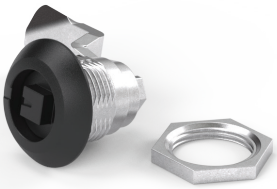
EMKA Beschlagteile

MAIN CATALOGUE





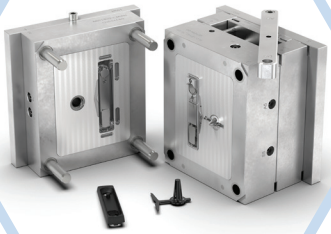


SALES WORLDWIDE





92 % FROM IN-HOUSE PRODUCTION





IN-HOUSE MOULD MAKING

Ingenious Locking Technology for Cabinets and Enclosures

Icons

The icons on the catalogue pages show the special properties of the items presented there.


Inside the sealing


Outside the sealing


Concealed hinge


Prominent hinge


Lift-off version hinge


Hinge limited lift-off version


Hinge for single cabinets


Hinge for in-line cabinets with single door


Hinge for in-line cabinets with double door


Door RH version


Door LH version


Door RH or LH version



Protection class e.g. IP 65


PUR sealing foam



Compression specification of lock


Article grounded or grounding possible



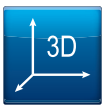
ELM Electronic Locking & Monitoring System application


Resistance class 2 tested acc. to DIN EN 1630


2D nut usable



2D adjustable product



3D adjustable product


Assembly without tool


clip-in product


Product with graffiti resistant paint



meets hygiene requirements acc. to DIN EN 1672-2



meets hygiene requirements acc. to DIN EN ISO 14159



Shock and vibration test according to DIN EN 61373



Plastic flame-resistant according to classification UL94

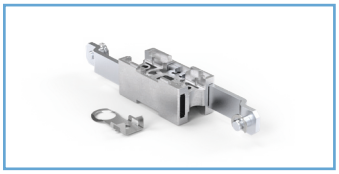


Stainless steel

AISI 303	resp. 1.4305
AISI 304	resp. 1.4301
AISI 316	resp. 1.4401
AISI 316 Ti	resp. 1.4571

List of contents

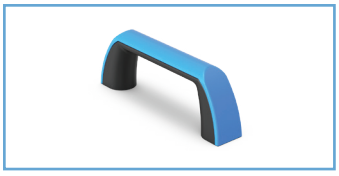




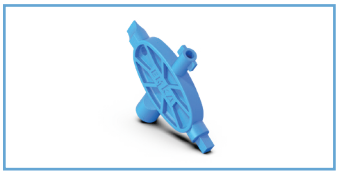














Info	EMKA overview, technical information
1 Quarter turns	
1A	Quarter turns, small and medium version
1B	Quarter turns, large version
1C	Accessories: Cams, dust cap, rods, rod guides
1D	Quarter turns (Program 1500)
1E	Quarter turns, different versions
2 Rod controls	
2A	Rod control for heavy duty, screw-on
2B	Rod control for heavy duty, weld-on
3 Locking systems	
3A to 3N	1107 to 3000
3XA to 3XC	Locking sets: Modules, profile half cylinders
3YA to 3YC	Rod controls, bearing bushes, cams
3ZA to 3ZD	Rods for outside and inside; Rod guides
4 Hinges	
4A	Hinges for prominent doors
4B	Hinges for flush doors
4C	Pin hinges
5 Seals	
5A	Seals, cell sponge rubber, edge protection, window rubber profiles
6 Handles	
6A	Bow-type handles, hand grips, tube handles, chest handles, edge handles
6B	Chest handles, chest handles with spring, bow-type handles
7 Aluminium windows	
7A	Aluminium windows with or without frame
7B	EMKA PROflex: Aluminium window with or without frame, completely assembled or as a kit
8 Miscellaneous	
8A	Locks: Chest handle, dead-bolt lock, bridge clamp, snap lock
8B	Keys
8C	Supports and door stops, cover stays
8D	Accessories: Panel mounting device, cable shunting ring, drawing pocket
8E	Fixing material
9 Special catalogues	
9A	EMKA Electronics
9B	Seals
9C	Toggle latches / Cylinder quarter turns
9D	Railway vehicles
9E	HVACR
9F	Commercial vehicles / Caravan
Index	Part number / Catalogue page



About EMKA

The EMKA GROUP is world market leader for locks, latches, hinges and seals used in switch and control cabinets.

For more than 40 years, the company has been active across all sectors in the fields of industry (switch and control cabinets, HVACR systems, mechanical engineering) and transport (railway and commercial vehicles, caravans, etc.) with conventional and electronic locking solutions.

The overall range comprises more than 30,000 catalogue and special articles, which are developed, manufactured, refined and assembled at eleven production sites in Germany, France, Great Britain, Spain, Bosnia-Herzegovina, Serbia, China, India and Indonesia.

In one of the two new plants in Bosnia, the company produces around 900 moulds for injection moulding and die casting every year - both for own production and for external customers.

With 2,100 employees, EMKA serves over 36,000 customers in 55 countries worldwide. In 2020, the company achieved turnover of over 295 million euros.

EMKA - Ingenious Locking Technology.

EMKA®
Beschlagteile



WirtschaftsWoche
WELT MARKT FÜHRER
Champion
2021
EMKA Beschlagteile
Verschlüsse, Scharniere und Dichtungen
ADWI Akademie Deutscher Weltmarktführer
Henri B. Meier Unternehmerschule Universität St.Gallen

Worldwide first choice



Henriville, France

2,100 employees

Own production at 11 international locations

Represented in 55 countries worldwide

More than 30,000 catalogue and special products

More than 36,000 customers worldwide



Birmingham, UK



Arnedo, Spain



Goražde (Plant 1), Bosnia-Herzegovina



Goražde (Plant 2), Bosnia-Herzegovina



Company headquarters Velbert, Germany



Wuppertal, Germany



Tianjin, China



Bhilai, India



Mionica, Serbia



Bandung, Indonesia

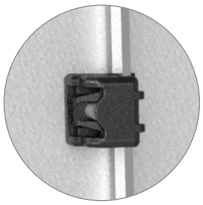
- Company headquarters
- Production site
- Subsidiary
- Agency



Seal



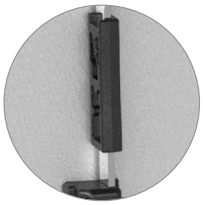
Guiding shoe



Rod guide



Swinghandle



Connector



Rod control with cam



Hinge



Accessories





Locking systems for switch and control cabinets

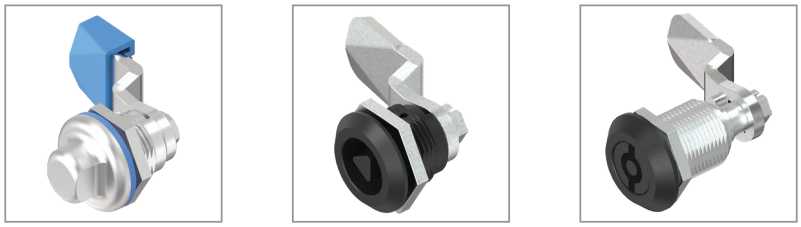
EMKA offers a comprehensive range of locking technology products from a single source and from its own production, including sealing technology. The modular program structure enables a unique variety of variants and solutions.

The high quality and product standards are guaranteed by an excellent manufacturing know-how and by the certified process control according to ISO 9001.

Modular program

The product program by EMKA has a consistently modular structure.

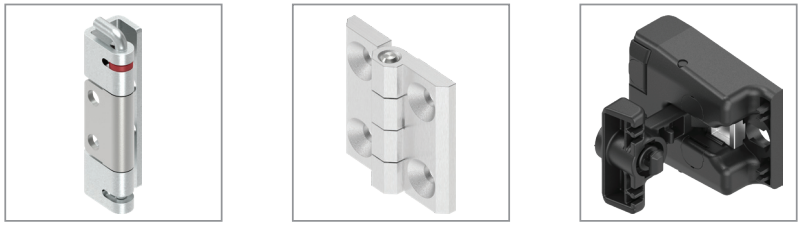
No matter whether made of stainless steel, zinc, aluminium, plastic or rubber, the products meet national as well as international standards, e.g. resistance class RC2 and are available up toprotection class IP 69K.



Locks and Latches



Locking Systems



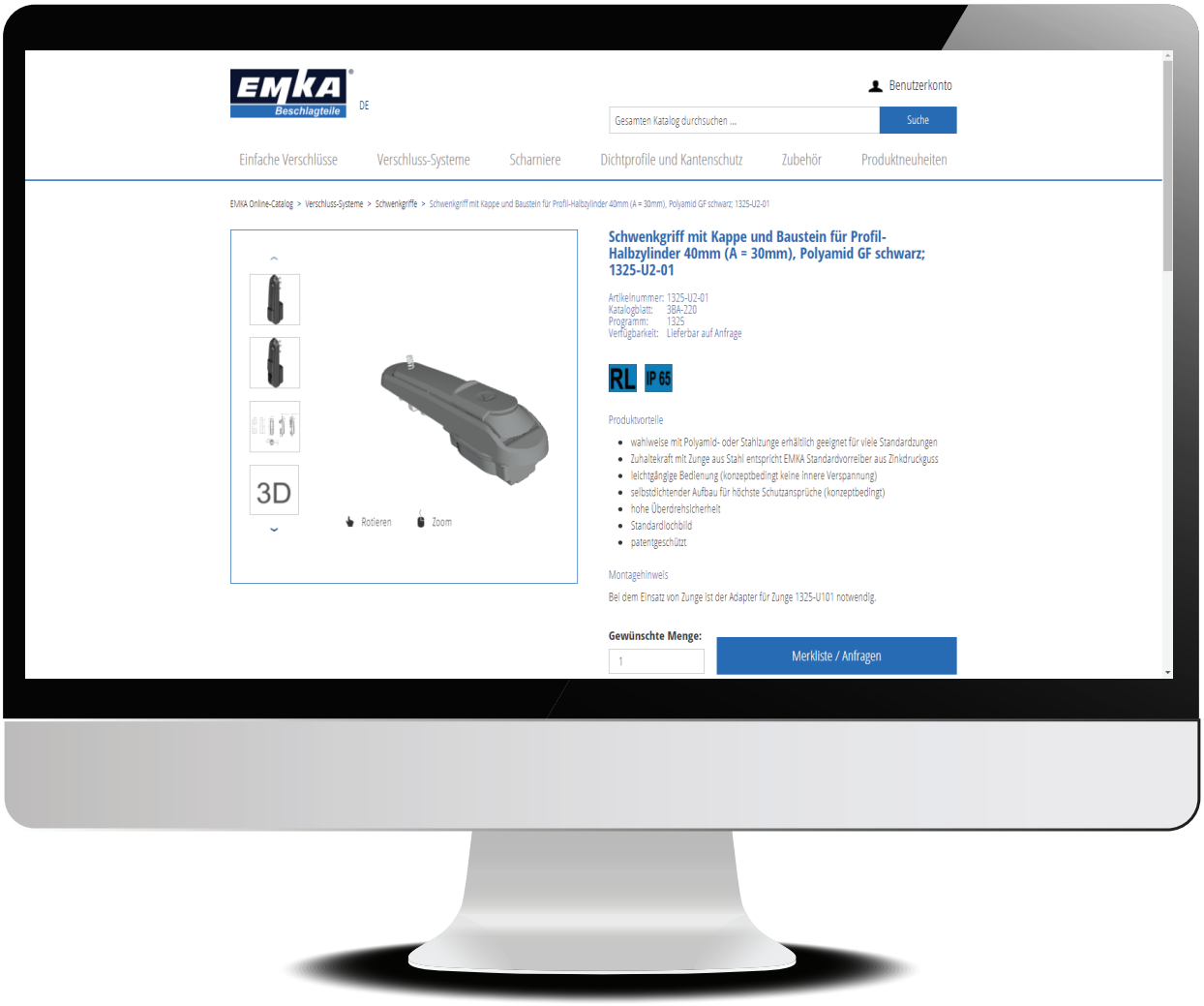
Hinges



Sealing Profiles and Edge Protection



Accessories



Online product search and CAD Download

Product search: Several methods lead to the catalogue page of the required item. Both the quick and direct way by entering the page number, item number or name and by using the extended search by means of selecting specific product properties.

CAD download: in the download area under www.emka.com, the CAD data of the EMKA products are made available in the international exchange formats STEP and IGES.





Close communication with the customer from the idea to the product

In the EMKA Technology Centre the innovative products of tomorrow are created. 30 designers and design engineers convert ideas into finished products in close collaboration with the customer. Quite a few of these products are incorporated into the EMKA main catalogue which is thus strongly focused on the current market and customer needs.

To this day round 20,000 additional special parts have been created in this way that were tailor-made for special customer requirements by our specialists, intensely tested in our internal test lab and finally produced by EMKA.

State-of-the-art CAD systems and development methods such as finite elements method, rapid prototyping and 3D print are only some of the processes that are used in this context. A powerful project management software completes the range of services.

You have got an idea?

Together, let´s make a product out of it!

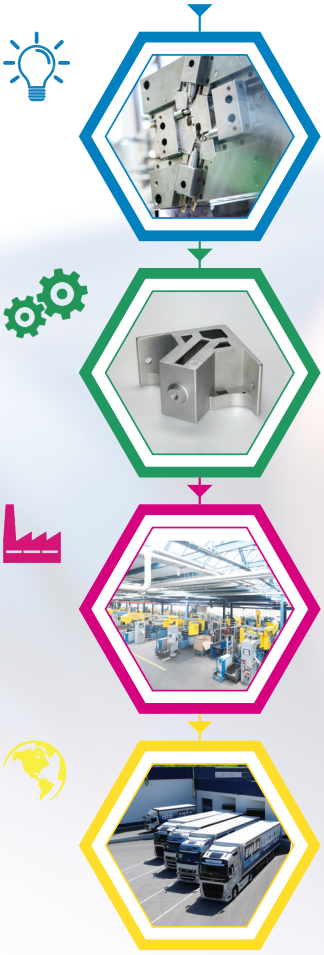
EMKA Mould + Series

EMKA is one of the three largest mould makers in Europe.

One reason for this is that all of EMKA's 30,000 catalogue and special products are tool-related. In its own production sites, EMKA produces these products from the materials polyamide, zinc, steel, stainless steel and aluminum. EMKA customers can take advantage of this manufacturing excellence that has been developed over decades. With the business model "Mould + Series", EMKA offers a unique service package:

Based on the customer's drawing, the mould is designed. The production of the initial sample with this mould takes place directly at EMKA on site on factory-owned machines from series production. In this way, the mould making and initial sample production stages are directly coupled with each other. Time and quality losses due to transport and coordination loops are eliminated. After tool and initial sample approval, the customer receives the complete test documentation as well as all relevant production parameters. If the customer does not want to manufacture his product himself, but wants to outsource it, EMKA can also take over the series production - if necessary with assembly work and worldwide logistics.

"Mould + Series" is mould making and initial sample production from a single source - with optional series production. In short: Production with a system.



Tool and mould making at EMKA

with around 100 state-of-the-art machines

Initial sample production directly at EMKA

at the same location as tool production on state-of-the-art machines for zinc, plastic and aluminum production

Series production at EMKA

Plastic injection moulding, aluminium and zinc die casting, stamping, bending and forming technology as well as finishing

Warehouse and logistics

24 EMKA subsidiaries worldwide with buffer warehouses guarantee on-time delivery of your products


EMKA
Beschlagteile

General notes
All drawings are shown in right-hand version.
Dimension date are basically understandable in 'mm'.
Note for cut outs: All dimensions are final dimensions, please consider for surface coating.
All drawings are not to scale.
UL50 and UL94 HB listed products see chapter 5.
Welded pieces at the stainless steel area the material AISI 304 has a good weldability
A key made of silver steel with black polyamide GF handle is supplied with each round cylinder made of zinc die.
In case of assembling by the customer, the O-rings must be lubricated with O-ring suited grease.
Hardware maintenance: the high-quality EMKA hardware is going to work perfectly for decades if used appropriately. Complementarily, we recommend a regular use of lubricants suitable for the application, utilisation and material on all moving hardware components. This particularly applies for the outdoor use.
In case of self-adhesive items the surface to be used for attaching has to be free of grease and dirt.
The length of the profile half cylinder according to DIN 18252 is to be determined by the user corresponding to the lock.
We reserve the right to make changes in design and drawing.

Abbreviations	
A	= Distance
B	= Width
GH	= Length of housing
H	= Height
L	= Length
Th	= Door height
Ts	= Door thickness
t	= Material thickness
SW	= Width across flat
Fst	= Spring steel
GD-Zn	= Zinc die casting
Ms	= Brass
m.s.	= Mild steel
GF	= Glass fibre
GTW	= Malleable cast iron, white
PA	= Polyamide

IP-Rating according to IEC 60 529
The IP protection category is characterised by 2 numbers. Example of protection category: e.g. IP 54.

First no.	Degree of protection against contact and foreign bodies	Sec. no.	Degrees of protection against water
1	Protected against solid foreign objects Ø 50 mm and greater	1	Protected against vertically falling water drops
2	Protected against solid foreign objects Ø 12.5 mm and greater	2	Protected against vertically falling water drops when the enclosure is tilted up to 15
3	Protected against solid foreign objects Ø 2.5 mm and greater	3	Protected against spraying water
4	Protected against solid foreign objects Ø 1.0 mm and greater	4	Protected against splashing water
5	Dust-protected	5	Protected against water jets
6	Dust-tight	6	Protected against powerful water jets
		7	Protected against the effects of temporary immersion in water
		8	Protected against the effects of continuous immersion in water
		9K	Protected against high pressure and steam jet cleaning

Explanation of IP 69K

The IP Rating IP 69K was developed for the high pressure cleaning at high temperatures. The number “6” stands for the protection against the ingression of dust, the “9” for the protection in case of high pressure cleaing at small distances and the “K” for the high temperature of water used (hot water).

The protection class IP 69K was introduced in 1993 and is based on the standard DIN 40050-9.

The IP 69K test was initially developed to specify the protection of road vehicles against ingress of foreign substances as dust or dirt and against hot water jets.
The test conditions of the IP rating IP 69K require a pressure of 100 bar at a water flow rate of approx. 15 l/min and a temperature of 80°C.
The nozzle from which the water exits is at a distance of 10 cm to the object to be tested during the test.
The water jet is applied on the device under test at the angles of 0º, 30º, 60º, and 90º, for a duration of 30 seconds at each angle, while the device under test is rotated with 5 U/min on its own axis.

The paper of this catalogue is produced without chlorine bleaching.

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Protection classes acc. to National Electrical Manufacturers Association (NEMA) The UL classifications are not directly comparable with IP protection classes, since both the test conditions and the evaluation of the test results are different.	
UL/NEMA	Description
1	Protection against the penetration of solid bodies.
3, 3R	Protection against the penetration of solid bodies, protection against the ingress of rain and dust and damage caused by icing.
3S	Protection against rain, snow and foreign bodies. External mechanisms remain usable despite being coated in ice.
4, 4X	Protection against rain, foreign bodies, splash water and hosed water and against damage caused by icing on the exterior of the enclosure.
12, 12K	Protection against dust deposits, foreign bodies and non-corrosive dripping liquids.
13	Protection against dust deposits, spray, oil, and non-corrosive coolants.

Stainless steel material specifications				
Germany		USA	Japan	Unified Numbering System
W.-Nr.	DIN	AISI	JIS	UNS
1.4301	X5CrNi18-10	304	SUS 304	S 30400
1.4305	X8CrNiS18-9	303	SUS 303	S 30300
1.4310	X10CrNi18-8	301	SUS 301	S 30100
1.4401	X5CrNiMo17-12-2	316	SUS 316	S 31600
1.4571	X6CrNiMoTi17-12-2	316 Ti	SUS 316 Ti	S 31635

REACH, RoHS conformity and WEEE directive

Our company is represented worldwide and considers the protection of the environment and its natural resources to be a corporate duty. Not only before this background EMKA has been certified according to the environmental management standard DIN ISO 14001 for years.

Declaration regarding REACH conformity

Under the REACH regulation, EMKA is a manufacturer and supplier of products within the EEA (European Economic Area). EMKA does not manufacture or supply Substances or Preparations. All EMKA products do not involve the intentional release of substances. The compliance certificate is reviewed and eventually updated periodically according to the SVHCs new list published by ECHA.
EMKA products do not contain REACH Substances of Very High Concern (SVHC) in a concentration above the threshold value of 0.1%, as specified per ECHA Directive 1907/2006/EG (updated for SVHC candidates list from 15-June-2015).

Declaration regarding RoHS conformity

All products made by EMKA are RoHS compliant. This means that the substances restricted by the RoHS Directive 2011/65/EU (RoHS II) are not contained in finished products above the concentration limit at homogeneous material level stated in the RoHS Directive, unless the restricted substance is subject of an exemption contained in the RoHS Directive 2011/65/EU.

Declaration regarding WEEE directive

The products offered by EMKA are intended solely for B2B trade (in accordance with the WEEE-directive). After being used, they can be returned to us or disposed of by a commercial waste management company. Disposal via the municipal collection system is not permitted! In case of a return to EMKA, a professional recycling or disposal will be ensured.

Conflict Minerals Policy

EMKA is working towards ensuring that our products do not contain “conflict minerals 3TG (Tin, Tantalum, Gold and Wolfram)” that have been sourced from mines that support or fund conflict within the Democratic Republic of Congo or adjoining countries. We work closely with our suppliers to ensure the responsible sourcing of conflict minerals.

Tolerances of the seals::
Seals are toleranced in accordance with DIN ISO 3302-1. Soft rubber usually according to 'E2' and sponge rubber according to 'E3'. PVC edge protection profiles are toleranced according to DIN 16941-3B.

Some examples:

Nominal dimension		Tolerance class DIN ISO 3302-1 E2	Tolerance class DIN ISO 3302-1 E3
over	up to		
0	1.5	±0.25	±0.40
1.5	2.5	±0.35	±0.50
2.5	4.0	±0.40	±0.70
4.0	6.3	±0.50	±0.80
6.3	10	±0.70	±1.00
10	16	±0.80	±1.30
16	25	±1.00	±1.60
25	40	±1.30	±2.00
40	63	±1.60	±2.50

Nominal dimension		Tolerance class DIN 16941-3B
over	up to	
0	3	±0.40
3	6	±0.60
6	10	±0.70
10	18	±0.80
18	30	±1.00

The appropriate storage is important (optimal storage temperature +5°C to +20°C). For the storage of seals, attention should be paid to DIN 7716 (guidelines for storage, maintenance and cleaning of rubber products). If possible, wrong storage in respect to long lay days or storing times should be avoided, since the mechanical characteristics may change.

Elastomers - Operating temperatures and stabilities:

Materials	Operating temperatures	Hardness (± 5 Shore A)
EPDM	approx. -40°C to +100°C	25 (MG) to 90 (WG)
NBR	approx. -30°C to +100°C	25 (MG) to 90 (WG)
CR	approx. -25°C to +100°C	40 to 90
PVC	approx. -10°C to +70°C	55 to 75
Silicone	approx. -60°C to +200°C	10 to 90

MG = Foam rubber / WG = Soft rubber

Recommended compression for extruded sealing profile:
The compression of our sealing profiles should be 50% max., since otherwise the function (tightness) and the restoring forces are affected. In practice, the profiles are compressed between 30-50%.
It does not matter, whether it is a EPDM, NBR or a silicone profile. The mechanical properties are quite comparable (unlike the chemical resistances). If the seal is deformed beyond these limitations, there is the risk of the compression set (DVR) becoming too big, because the material deforms plastically as well.
The seal would be designed too small then.

Resistances:
Because of the large variety of possible chemicals, solvent (concentrations), operating temperatures and times, no evaluations concerning the possible resistances can be made at this point. In every individual case, a test under the present circumstances, like concentration, temperature and duration of the impact, is recommended.

Fire protection:
We supply materials certified according to the current fire protection standards for railway vehicles.
e.g. according to DIN EN 45545-2; NF F 16-101/ -102; NFPA 130
Whether the achieved categories fit to the respective requirements or vehicle classes has to be verified for the individual case.
In general, higher fire protection classes can be achieved with silicone profiles than with EPDM.

Disclaimer:
As a rule, disclosed values are standard values detected on sample plates and correspond to our state of knowledge.
However, they do not release the end user of individual and thorough tests.

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DNV·GL

MANAGEMENT SYSTEM ZERTIFIKAT

Zertifikat-Nr.:
194710-2016-AQ-GER-DAkkS

Datum der Erstzertifizierung:
16. Februar 2013
Ablaufdatum des letzten Zertifizierungszyklus:
15. Februar 2019
Datum der letzten Rezertifizierung:
24. Januar 2019

Gültig:
28. Februar 2019 - 15. Februar 2022

Hiermit wird bescheinigt, dass das Unternehmen

EMKA Beschlagteile GmbH & Co. KG
Langenberger Str. 32, 42551 Velbert, Deutschland
sowie die im Anhang aufgeführten Standorte

ein Qualitäts-Managementsystem in Übereinstimmung mit dem folgenden Standard eingeführt hat und anwendet:

ISO 9001:2015

Dieses Zertifikat ist gültig für die folgenden Produkt- oder Dienstleistungsbereiche:

Entwicklung, Herstellung und Vertrieb von mechanischen / elektronischen Verschluss- Systemen; Scharnieren, Kunststoffspritz-, Automatendrehteilen und Sonderanfertigungen. Management des Herstellungsprozesses von Dichtungen und Druckgussteilen.

Ort und Datum:
Essen, 28. Februar 2019

DAkkS Deutsche Akkreditierungsstelle D-ZM-18453-01-00

Zertifizierungsstelle:
DNV GL - Business Assurance
Schnieringshof 14, 45329 Essen, Germany

Thomas Beck
Leiter Zertifizierungsstelle

Bei Verstoß gegen die im Zertifizierungsvertrag genannten Bedingungen kann das Zertifikat seine Gültigkeit verlieren.
AKKREDITIERTE STELLE: DNV GL Business Assurance Zertifizierung und Umweltgutachter GmbH, Schnieringshof 14, 45329 Essen, Germany.
TEL: +49 201 7296-222. www.dnvgl.de/assurance

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
194710-2016-AQ-GER-DAkkS

Initial certification date:
16. February 2013
Expiry date of last certification cycle:
15. February 2019
Date of last recertification:
24. January 2019

Valid:
28. February 2019 - 15. February 2022

This is to certify that the management system of

EMKA Beschlagteile GmbH & Co. KG
Langenberger Str. 32, 42551 Velbert, Germany
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Development, manufacturing and sales of mechanical / electronic locking systems; hinges, injection moulded parts, robot turned parts, specially manufactured products. Management of the production process of gaskets and die casting products.

Place and date:
Essen, 28. February 2019

DAkkS Deutsche Akkreditierungsstelle D-ZM-18453-01-00

For the issuing office:
DNV GL - Business Assurance
Schnieringshof 14, 45329 Essen, Germany

Thomas Beck
Technical Manager

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV GL Business Assurance Zertifizierung und Umweltgutachter GmbH, Schnieringshof 14, 45329 Essen, Germany.
TEL: +49 201 7296-222. www.dnvgl.de/assurance

Explanation of the terms left hand/right hand door and locking direction



Door LH version
=
Hinges are on the left side



LH door with swinghandle
=
Opening direction is clockwise



LH door with escutcheon
=
Opening direction is anti-clockwise

Illustration with closed door



Door RH version
=
Hinges are on the right side



RH door with swinghandle
=
Opening direction is anti-clockwise

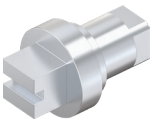


RH door with escutcheon
=
Opening direction is clockwise

Overview of inserts
for quarter turns, escutcheons, swinghandles and further articles.



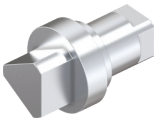

– Square




– Square slotted



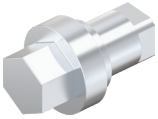

– Triangular CNOMO




– Triangular



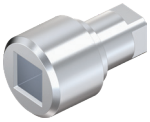

– Double bit




– Hexagon male



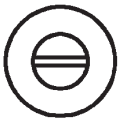

– Hexgaon female




– Square female




– Daimler Benz

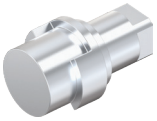
– Slot 1.2 x 3




– Slot 2 x 4




– Slot 2 x 4
coinproof




– Crown type




– Eastern Europe
Ø 13 half-round




– FIAT




– Railway




– Hexagon female
with pin




– Ø 8.6 with slot




– Tube

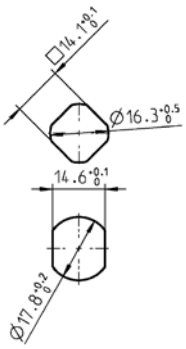
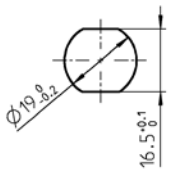
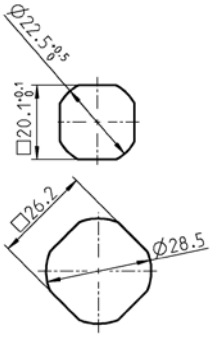
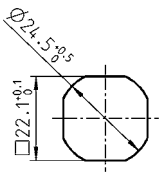
Further inserts on request!

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Quarter turns

EMKA ®

Beschlagteile

1022	1012	1000	1500	
Quarter turns small version	Quarter turns, medium version	Quarter turns, large version	Quarter turns, clip fix version	
1A-100	1A-100	1B-100, 1C-100	1D-100	see catalogue page
				
●	●	●	●	screw-on
●		●		clip-in
●		●		with spring fixing
		●		weld-on
			●	clip fix
IP 65	IP 65	IP 65 / IP 66 / IP 69K	IP 65	IP-Rating
20 / 22	22	28 / 30 / 32 / □28	30	Head diameter
3	4	4 / 5 / 6 / 24	4 / 6	Head height
13.5	20	18-60	15 / 18	Housing length GH
●		●	●	Quarter turn made of polyamide
●	●	●		Quarter turn made of zinc die
		●		Quarter turn made of m.s.
●		●		Quarter turn made of stainless steel
●		●		Seal loose
		●	●	Seal foamed
		●	●	Cam made of polyamide
●	●	●	●	Cam made of m.s.
●		●	●	Cam made of stainless steel
●	●	●	●	Insert
●		●	●	Round cylinder
●		●	●	Wing knob
		●	●	T-handle
		●	●	L-handle
		●		Radial pin cylinder
		●		for padlock
		●		Safety quarter turn
●		●		Compression latch
		●		Fire brigade lock
		●		Quarter turn railway
		●		FIAT quarter turn
		●		Quarter turn for Swedish power comp.
		●		Slam cam
		●		Hook lever lock
●	●	●		Dust cap
		●		Finger pull
		●		Inside handle

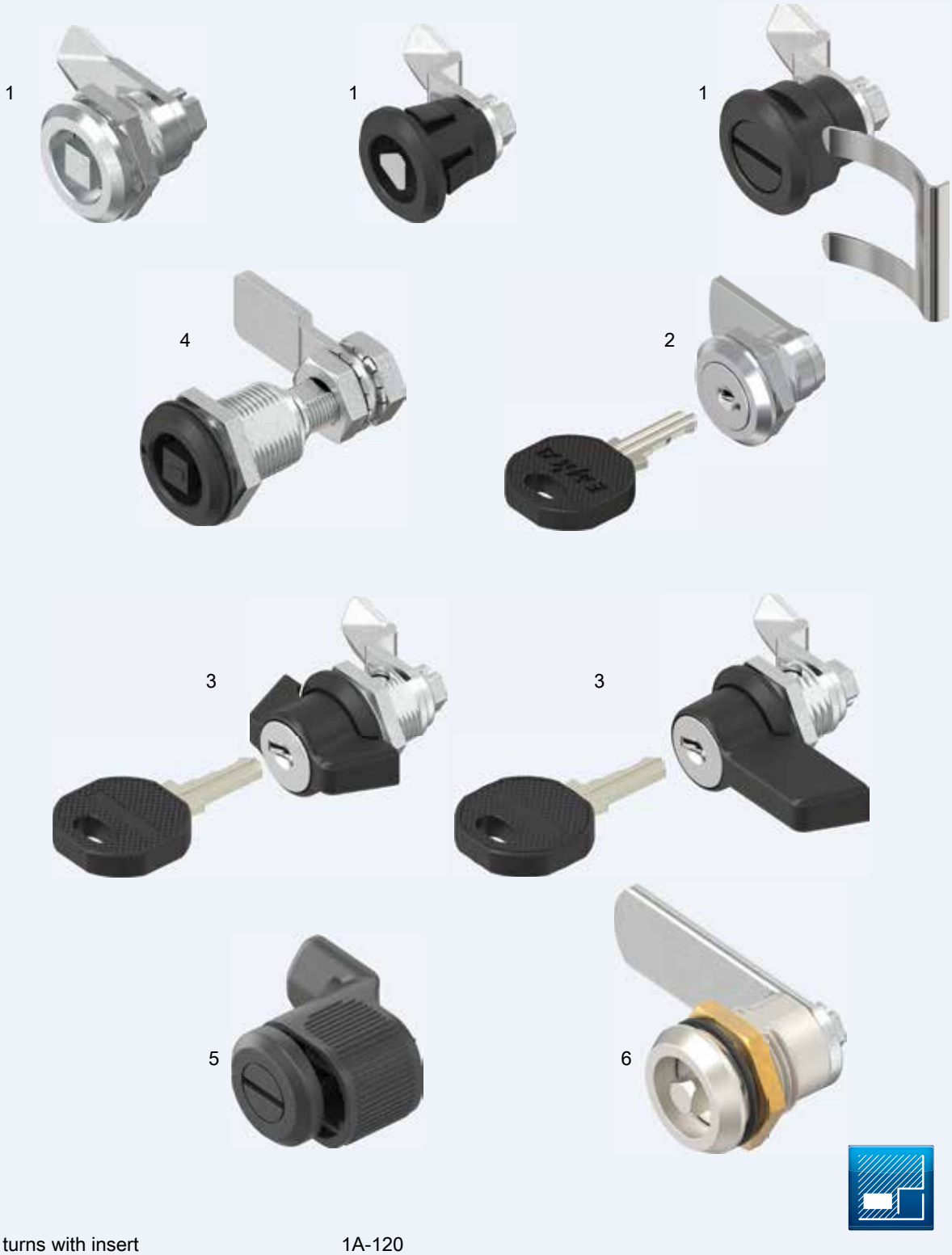
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Notes:

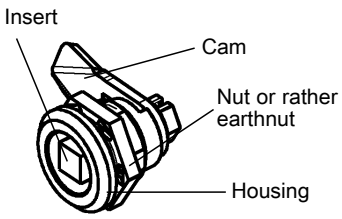
Quarter turns
Small and medium version, Program 1012, 1022

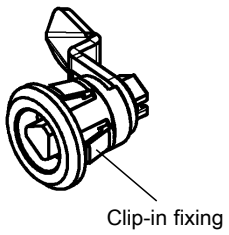


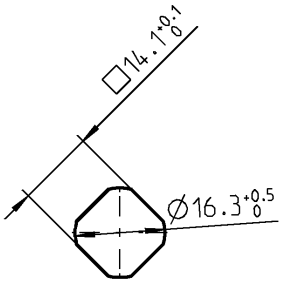
1	Quarter turns with insert	1A-120
2	Cylinder quarter turns	1A-160
3	Wing knob quarter turns	1A-140
4	Compression latch	1A-220
5	Quarter turns for assembly without tools	1A-320
6	Quarter turns with insert	1A-420

Quarter turns, small version

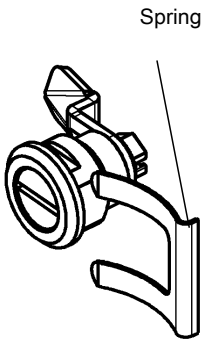
PROGRAM 1022

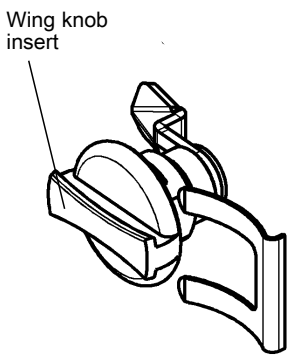


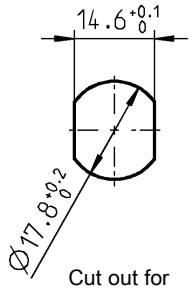




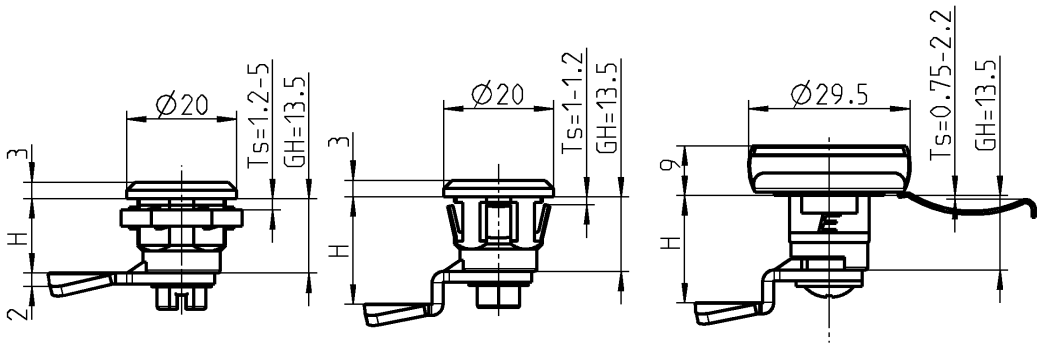
Cut out for nut fixing and clip-in fixing

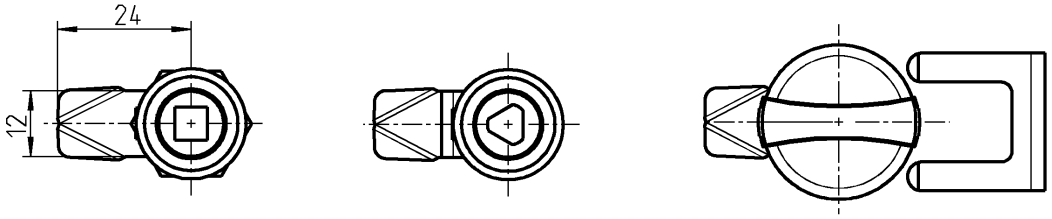






Cut out for spring fixing





Housing zinc die, polyamide or. stainless steel.; nut or spring fixing m.s. zinc-plated or stainless steel; with seal (only for stainless steel Version)

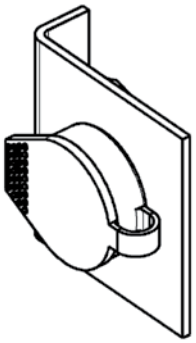
	Zinc die chrome plated	Zinc die black powder coated	Stainless steel AISI 303	Polyamide black	
mit Mutter [1] m.s. [2] AISI 303	1022-U8[1]	1022-U46[1]	1022-U60[2]	1022-U71[1]	
with earthing nut m.s.	1022-U9	1022-U47	–	–	
Clip-in fixing	–	–	–	1022-01-02	
with spring fixing	1022-U76	1022-U77	–	1022-U78	
Insert zinc die, polyamide or stainless steel; fixing material m.s. zinc-plated; with seal (only for stainless steel version)					**Key zinc die black**
Square 6	1022-U2	1022-U44	1022-U61	1022-U72	1004-20
Triangular 6.5	1022-U1	1022-U43	1022-U62	1022-U73	1004-21
Slot 1.5 x 3	1022-U3	1022-U45	1022-U63	1022-U74	–
Blank	1022-U4	–	1022-U64	1022-U75	–
Wing knob insert	–	–	–	1022-U82	–

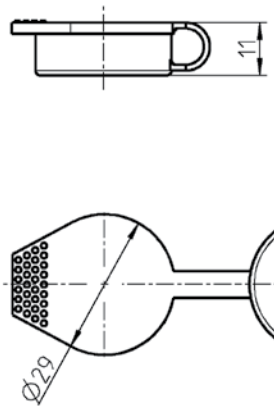
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Items printed in gray without stock

EDELSTAHL Rostfrei STAINLESS STEEL

Accessories





Attention:
Not suitable for housings with spring or clip-in fixing.











Cam, material of choice, t = 2		
	m.s. zinc-plated	AISI 304
H = 7.5	1022-20	1022-20-PC
13.5	1022-07	1022-07-PC
19.5	1022-08	1022-08-PC
IP 65 achieved by:		
- O-ring (included in case of stainless steel version)		1022-09
- Flat seal (only for screw-on housing, included in case of stainless steel version)		1022-10
Assembly on request		
without O-ring		1022-990
with O-ring		1022-991
Accessories		
Dust cap polyethylene black		1022-23-01

Attention:
When dust cap 1022-23-01 is used, dimension H reduces by 2 mm.
Not suitable for housings with spring or clip-in fixing.

Application area:
Small doors and flaps

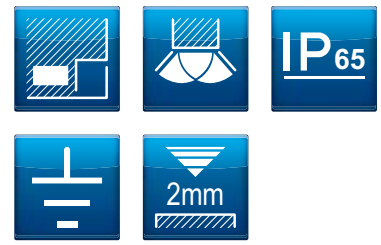
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Items printed in gray without stock

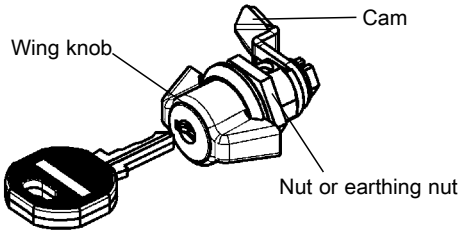
EMKA® Beschlagteile

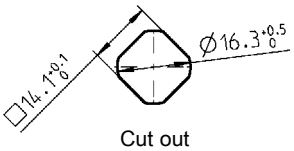
Wing knob quarter turns, small version

PROGRAM 1022

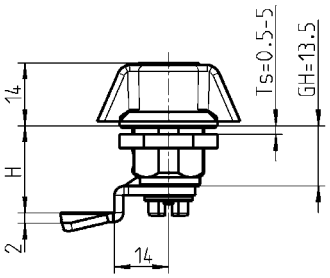


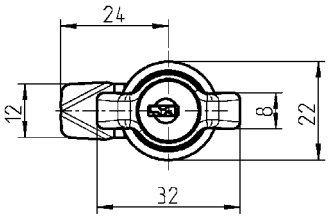






Cut out

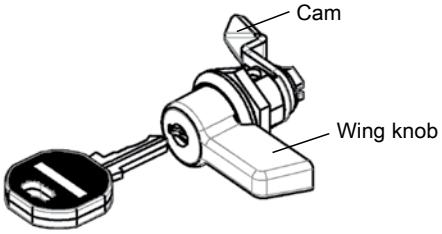


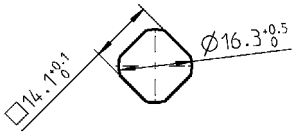


Wing knob with housing zinc die, round cylinder zinc die with stainless steel cap, nut or earthing nut and screw m.s. zinc-plated.
Each round cylinder has one silver steel key with polyamide grip GF black.

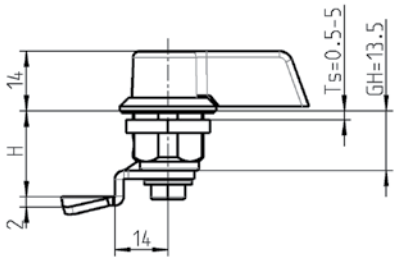
non locking *	keyed 2233X	keyed different		non locking *	keyed 2233X	keyed different
chrome-plated				black powder-coated		
1022-U29	1022-U31	1022-U33	Nut	1022-U37	1022-U39	1022-U41
1022-U30	1022-U32	1022-U34	Earthing nut	1022-U38	1022-U40	1022-U42
Cam m.s. zinc-plated, t = 2						
H = 7.5	1022-20	H = 13.5	1022-07	H = 19.5	1022-08	

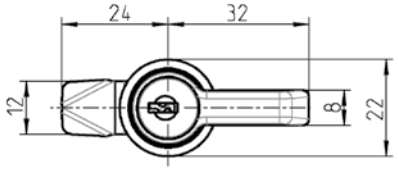






Cut out





Wing knob with housing zinc die, round cylinder zinc die with stainless steel cap, nut or earthing nut and screw m.s. zinc-plated
Each round cylinder has one silver steel key with polyamide grip GF black.

non locking *	keyed 2233X	keyed different		non locking *	keyed 2233X	keyed different
chrome-plated				black powder-coated		
1022-U48	1022-U50	1022-U52	Nut	1022-U54	1022-U56	1022-U58
1022-U49	1022-U51	1022-U53	Earthing nut	1022-U55	1022-U57	1022-U59
Cam m.s. zinc-plated, t = 2						
H = 7.5	1022-20	H = 13.5	1022-07	H = 19.5	1022-08	

*** = IP 65**

Application area:
Small doors and flaps

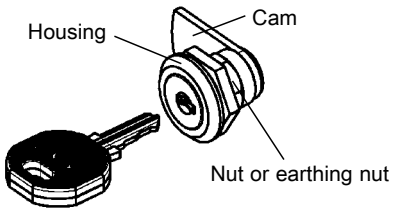
Further parts see page
– Spare key 8B-140

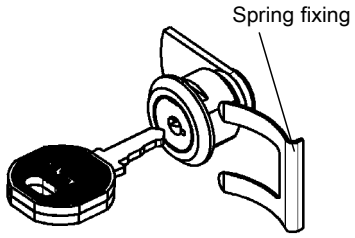
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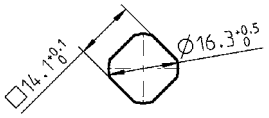
Items printed in gray without stock

Cylinder quarter turn, small version

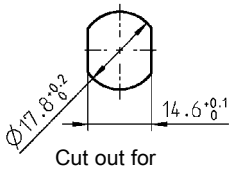
PROGRAM 1022



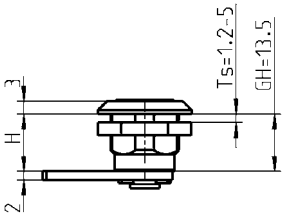


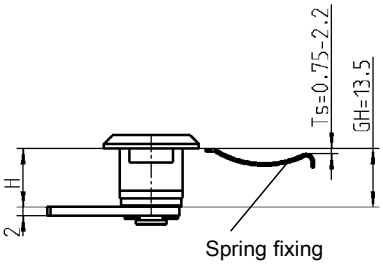


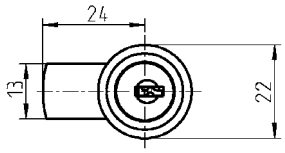
Cut out for nut fixing

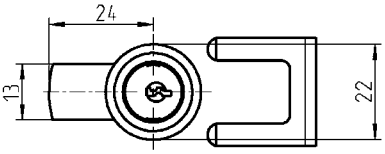


Cut out for spring fixing















Cylinder quarter turn material of choice, zinc die chrome plated or polyamide GF black, round cylinder zinc die with stainless steel cap, nut or earthnut and circlip m.s. zinc-plated
1) with one key silver steel and polyamide GF grip black
2) with one key m.s. nickel plated

	H	Zinc die with nut 1)	Zinc die with earthing nut 1)	Polyamide with nut 2)
keyed 2233X	7.5	1022-U16	1022-U22	1022-U65
	13.5	1022-U17	1022-U23	1022-U66
	19.5	1022-U18	1022-U24	1022-U67
keyed different	7.5	1022-U19	1022-U25	1022-U68
	13.5	1022-U20	1022-U26	1022-U69
	19.5	1022-U21	1022-U27	1022-U70

	H	Zinc die with spring fixing 1)
keyed 2233X	7.5	1022-U10
	13.5	1022-U11
	19.5	1022-U12
keyed different	7.5	1022-U13
	13.5	1022-U14
	19.5	1022-U15

Application area:
Small doors and flaps

Further parts see page
– Spare key 8B-140

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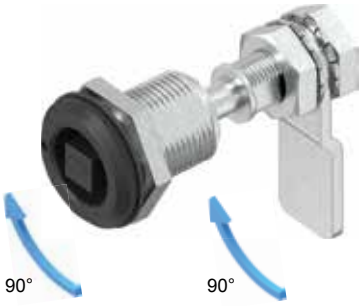
Items printed in gray without stock

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Compression latch

PROGRAM 1022





Open condition
By turning the insert by 90° the cam is turned.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.

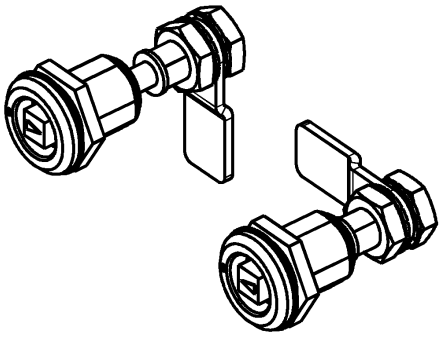


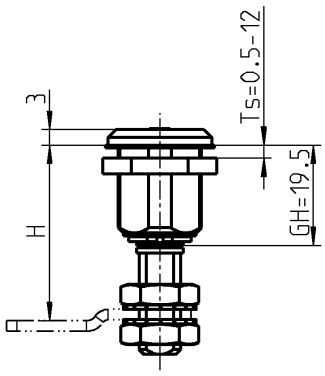
Compressed condition

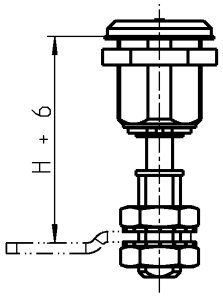
Open:
Reversed motion

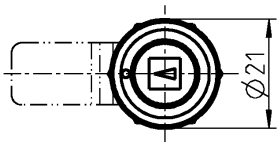
Tamper and vibration proof

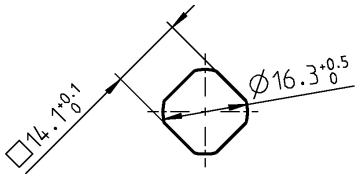
The compression latch is designed to be vibration-proof as such.
Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.











Cut out

max. torque 2.5 Nm

Further parts see page

– Dust cap	1A-120
– Cam	1A-240
– Key	8B-120

Housing and insert zinc die, shaft and nut m.s. zinc-plated, with spring and seal

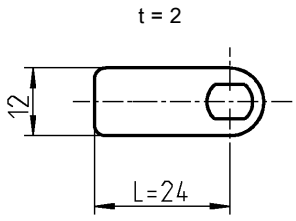
	black powder-coated	chrome-plated
Square 6	1022-U83	1022-U83-IA
Triangular 6.5	1022-U85	1022-U85-IA
Hexagon female SW 5	1022-U94	on request
Slot 1.5 x 3	1022-U84	1022-U84-IA

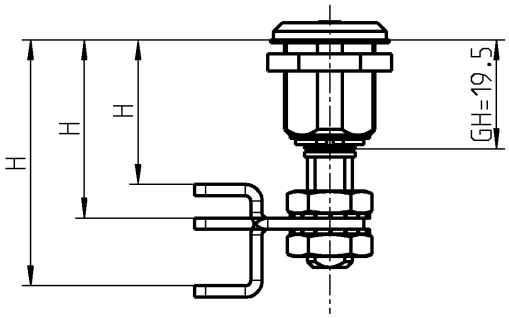
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Items printed in gray without stock

Cam m.s. zinc-plated for compression latch

PROGRAM 1022







straight cam





cranked cam

Cam m.s. zinc-plated		
for GH = 19.5 mm	**H**	**GH = 19.5**
straight	25.5 - 32.5	1022-49
Offset 6 mm	19.5 - 26.5; 31.5 - 38.5	1022-50
Offset 12 mm	13.5 - 20.5; 37.5 - 44.5	1022-51

Note:
Cranked cam is reversible

Further parts see page
– Compression latch 1A-220

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Quarter turn for assembly without tools

PROGRAM 1022





Patented, self-sealing design

Assembly and disassembly without tools

Assembly instruction:

Assembly door stop on the right:
Pre-mounted insert part is inserted in the cut out when closed.
Then fixed with snap-in cam.

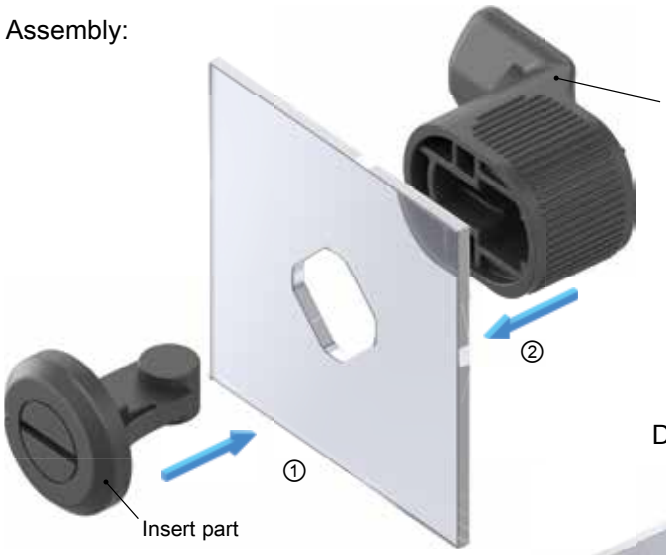
Assembly door stop on the left:
Pre-mounted insert part is inserted in the cut out when opened.
Then fixed with snap-in cam.

Other door thicknesses on request!

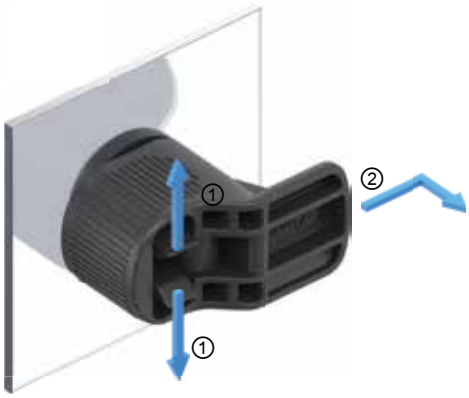
Other snap-in cams on request!

Further parts see page
– Key 8B-120

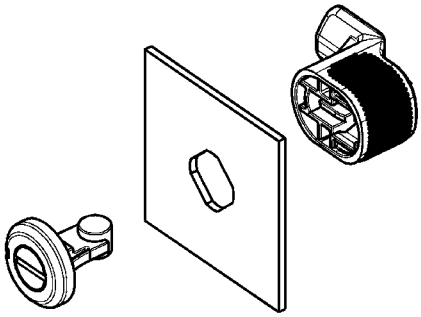
Assembly:

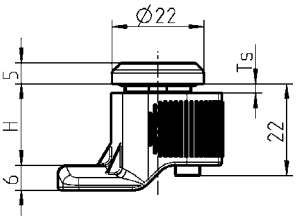


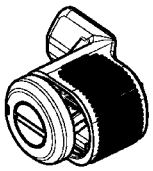
Disassembly:

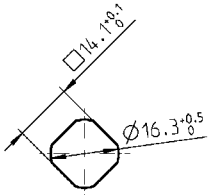


Note: IP 69K test passed!
The basic principle of the patented solution is: the higher the closing force, the greater the tightness.
The IP 69K Rating was achieved in the test with a cam pretension of ≥ 1 mm and ≥ 65 N

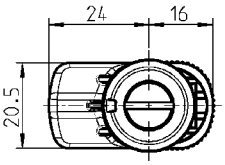








Cut out



Insert part polyamide GF black; with seal		
Square 6		1022-U89
Triangular 6.5		1022-U90
Slot 1.5 x 3		1022-U91
Snap-in cam polyamide GF black		
Ts	**H**	
0.5 - 1.0 including surface coating	7.5	1022-56-01
	13.5	1022-56-02
	19.5	1022-56-03
1.0 - 1.5 including surface coating	7.5	1022-55-01
	13.5	1022-55-02
	19.5	1022-55-03
1.5 - 2.0 including surface coating	7.5	1022-54-01
	13.5	1022-54-02
	19.5	1022-54-03

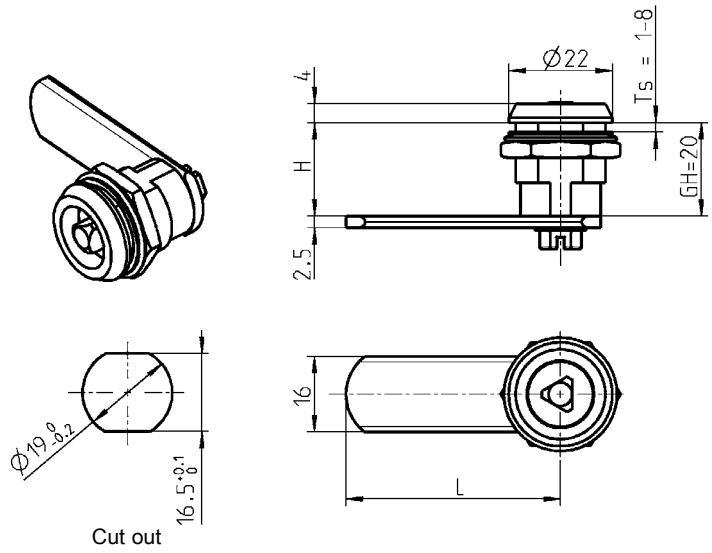
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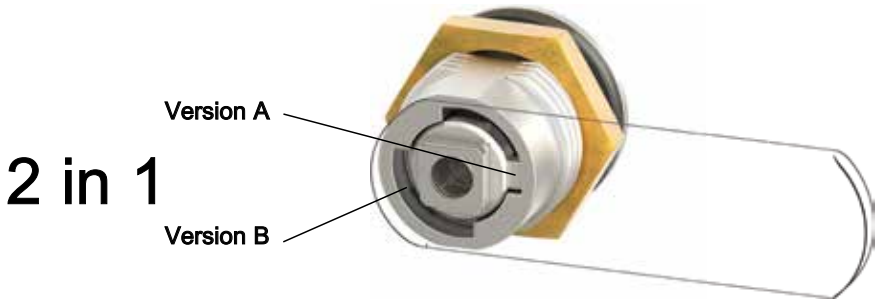
Items printed in gray without stock

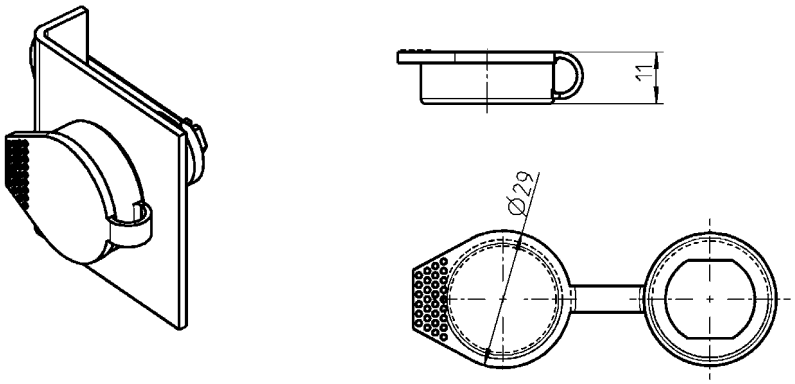
Quarter turn with built-in options, medium version

PROGRAM 1012

EMKA® Beschlagteile









This quarter turn has two options.

Version A:
Push cam back using insert and turn.
Cam snaps into place.

Version B:
Turn insert.
Quarter turn does not snap into place.

Note:
The quarter turn is of a vibration-proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.



Complete quarter turn: Housing with insert zinc die nickel plated, nut brass, screw m.s. zinc-plated, with spring and seal		**Key**
Square 7	1012-U2	1004-36
Triangular 6.5	1012-U1	1004-21
Double bit 3	1012-U3	1004-34
Slot 2 x 2.5 coinproof	1012-U4	–
Cam m.s. zinc-plated		
H = 20; L = 46	1012-05	
Toothed lock washer spring steel zinc-plated		
	1012-06-JG	
Dust cap polyethylene black		
	1012-08	

Attention:
When dust cap 1012-08 is used, dimension H reduces by 2 mm.

Other inserts available on request!

Cams with other H- and L-dimensions on request.

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Quarter turns
Large version
Program 1000

1 

1 

2 

3 

1 

4 

4 

4 

5 

6 

7 

8 

9 

10 

10


11


12


13


14


15


16


13


17


18


1	Quarter turn screw-on, e.g. with insert	1B-120 to 1B-360, 1B-680 to 1B-860
2	Quarter turn with spring fixing, e.g. with insert	1B-160
3	Clip-in quarter turn, e.g. with wing knob	1B-160, 1B-760
4	Safety quarter turn	1B-320 to 1B-360
5	Quarter turn with stepped cam, e.g. with star handle	1B-240
6	Radial pin-push cylinder	1B-380
7	Cylinder quarter turn	1B-420
8	Wing knob quarter turn	1B-540
9	T-handle quarter turn	1B-520, 1B-560
10	L-handle quarter turn	1B-580 to 1B-640
11	Wing knob quarter turn for padlock	1B-680
12	Quarter turn with insert for padlock	1B-680
13	Compression latch	1B-220 to 1B-235
14	Stainless steel compression latch for hygienic areas	1B-837
15	Stainless steel quarter turn for hygienic areas	1B-835
16	Wing knob quarter turn for ASSA cylinder	1B-840
17	Quarter turn, screw-on or weld-on	1B-820
18	Quarter turn for profile half cylinder	1B-850

EMKA® Beschlagteile

Quarter turn assembly

PROGRAM 1000



Quarter turn pre-assembled



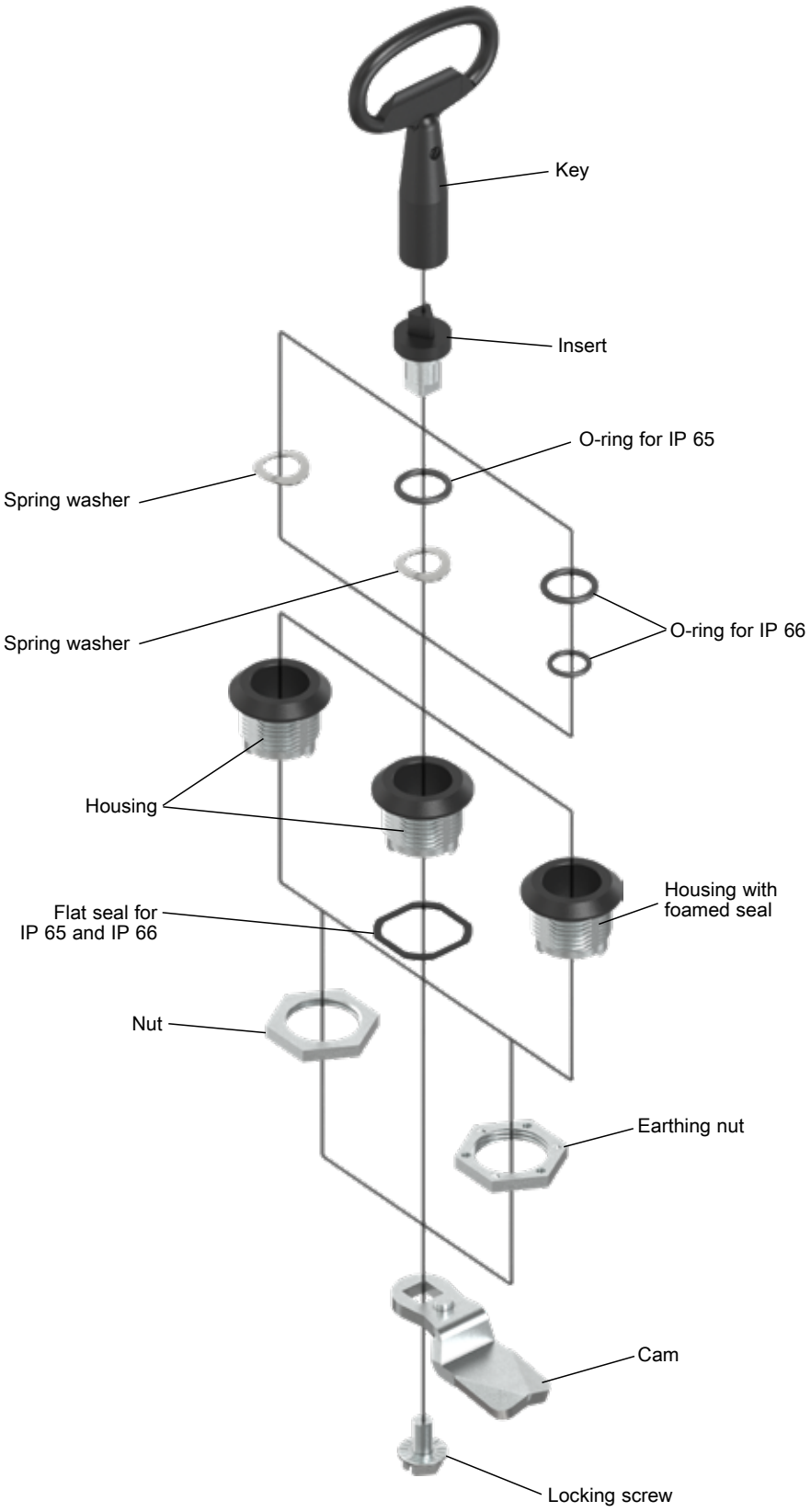
Pass through cut out



Assemble the nut



Quarter turn ready installed



Screw-in safety earthing quarter turn program

When using the illustrated earthing nut, the screw-in quarter turn complies with VDE regulation 0660/Part 5.

The earthing nut is provided with teeth and removes the lacquer coating in a limited area when tightened, thus ensuring metallic bonding.

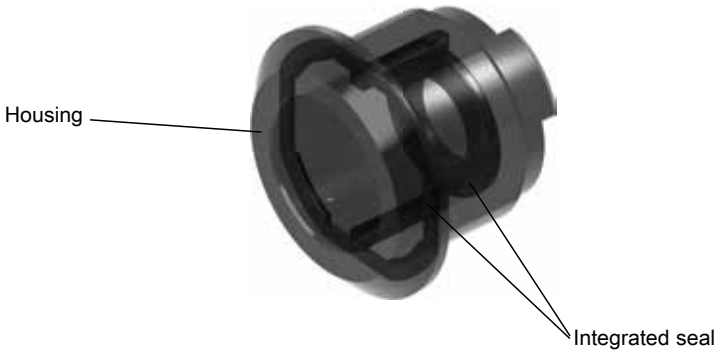
Underlaid serrated washers are no longer sufficient for the paint qualities used today.

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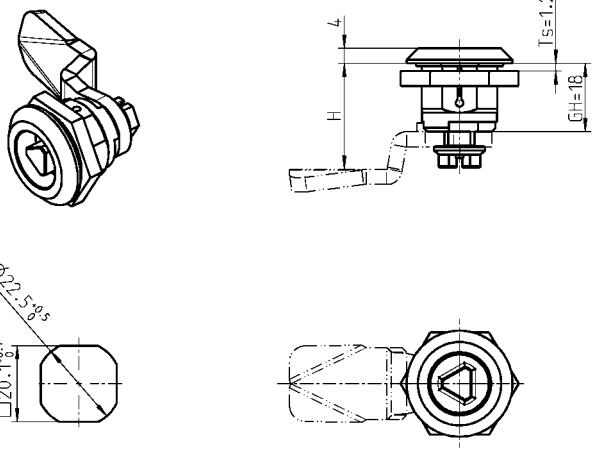
Quarter turn with integrated seal IP 65

PROGRAM 1000









Cut out

Housing polyamide 6 GF 30 black with integrated TPE seal*, nut m.s. zinc-plated		
Head diameter	**28**	**32**
Head height	**4**	**6**
	1000-U155-D	1000-U46-D
Insert polyamide 66 GF 50 black with screw m.s. zinc-plated		
Square 7	1000-U184-N2	
Square 8	1000-U185-N2	
Triangular 8	1000-U186-N2	
Double bit 3	1000-U187-N2	
Double bit 5	1000-U188-N2	
Slot 2 x 4	1000-U196-N2	
Assembly on request		
	1000-990	

* The TPE seal provides protection against penetration of water, aqueous solution, alcohol, antifreeze, saline solution (15 %), sulphuric acid (98 %), hydrochloric acid and caustic soda. A very good resistance against hydrolysis is provided. With prolonged contact with oils and fuels, there is the problem of swelling or hardening. Occasional wetting with these media is unproblematic.

Attention:
In case of assembly by the customer the insert must be lubricated (vaseline).

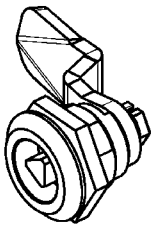
Further parts see page

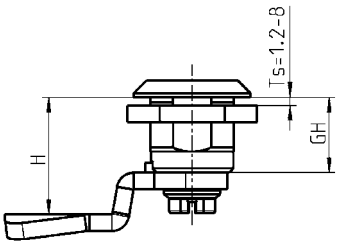
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-170
– Escutcheon 3B-140
– Key 8B-120

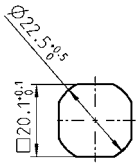
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Quarter turn, Housing GH = 18 and 30 - 60, Insert, Seal

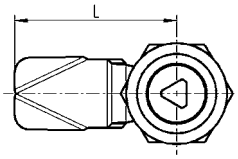
PROGRAM 1000



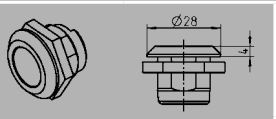
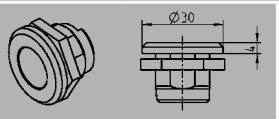
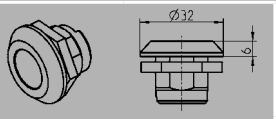
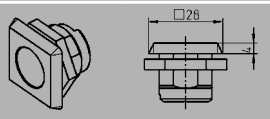




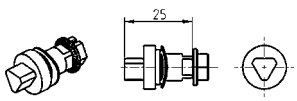
Cut out



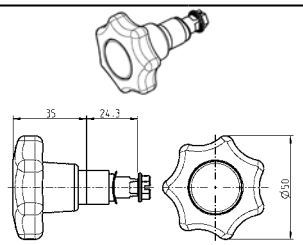
Housing material of choice, nut or earthing nut m.s. zinc-plated or nut stainless steel

Head diameter / GH = 18 mm / Head height	 4		 4		 6		 4	
	Nut	Earthing nut	Nut	Earthing nut	Nut	Earthing nut	Nut	Earthing nut
Zinc die chrome-plated	1000-U45	1000-U56	1000-U47	1000-U55	1000-U7	1000-U54	1000-U330	1000-U332
Zinc die chrome-plated (with foamed seal)	1000-U45-G	1000-U56-G	1000-U47-G	1000-U55-G	1000-U7-G	1000-U54-G	–	–
Zinc die black powder-coated	1000-U223	1000-U224	1000-U221	1000-U222	1000-U219	1000-U220	1000-U331	1000-U333
Zinc die black powder-coated (with foamed seal)	1000-U223-G	1000-U224-G	1000-U221-G	1000-U222-G	1000-U219-G	1000-U220-G	–	–
Polyamide GF V0 black	1000-U155	–	–	–	1000-U46	–	–	–
Polyamide GF V0 black (with foamed seal)	1000-U155-G	–	–	–	on request	–	–	–
Stainless steel AISI 303 (with foamed seal)	1000-U134	–	–	–	–	–	–	–
Stainless steel AISI 316 (with foamed seal)	1000-U530	–	–	–	–	–	–	–

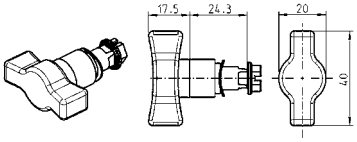
Insert zinc die, polyamide or stainless steel; fixing material m.s. zinc-plated or stainless steel; with seal (only for stainless steel version)	Zinc die chrome-plated	Zinc die black powder-coated	Polyamide 66 GF 50 black	Stainless steel AISI 303	Stainless steel AISI 316
Square 6	1000-U17	1000-U322	–	1000-U351	–
Square 7	1000-U1	1000-U323	1000-U184-N	1000-U135	1000-U531
Square 8	1000-U2	1000-U324	1000-U185-N	1000-U136	1000-U532
Square 8 slotted	1000-U18	–	–	1000-U352	–
Triangular 6.5 CNOMO	1000-U197	–	–	–	–
Triangular 7	1000-U3	1000-U325	–	1000-U334	1000-U536
Triangular 8	1000-U4	1000-U326	1000-U186-N	1000-U335	1000-U537
Triangular 9	1000-U194	–	–	–	–
Triangular 10	1000-U249	–	–	–	–
Double bit 3	1000-U5	1000-U327	1000-U187-N	1000-U183	1000-U533
Double bit 5	1000-U6	1000-U328	1000-U188-N	1000-U137	1000-U534
Hexagon female SW 10	1000-U96	–	–	–	–
Square female 6	1000-U168	–	–	–	–
Square female 7	1000-U182	–	–	–	–
Square female 8	1000-U169	–	–	–	–
Daimler Benz	1000-U20	–	–	–	–
Slot 1.2 x 3	1000-U195	–	–	–	–
Slot 2 x 4	1000-U142	1000-U329	1000-U196-N	1000-U630	1000-U631
Slot 2 x 4 coinproof	1000-U738	1000-U739	–	–	–
Crown type	1000-U336	–	–	–	–
Eastern Europe Ø 13 half-round	1000-U509	–	–	1000-U729	–
Hexagon female 8 with pin	1000-U757	–	–	1000-U757-01	–



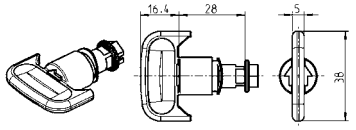
Insert



Star handle



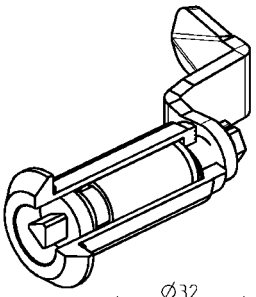
Wing knob ①

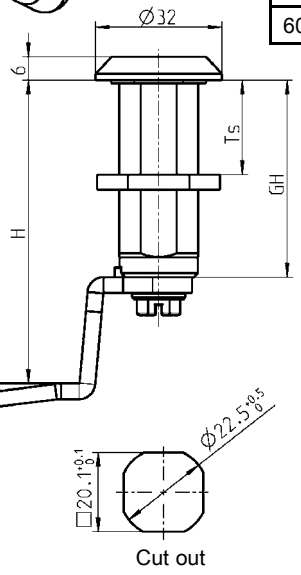


Wing knob ②

		Zinc die black powder-coated	Polyamide GF / Zinc die black	Polyamide GF black / AISI 303	
Star handle	–	–	1000-U13	1000-U138	–
Wing knob ①	–	–	1000-U78	1000-U510	–
Wing knob ②	–	1000-U910	–	–	–

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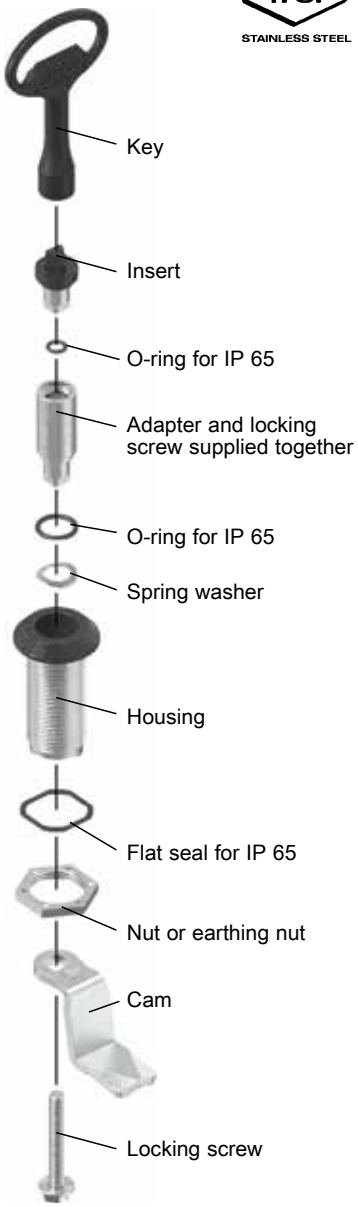




Cut out

GH	Ts
30 mm	1.5 mm to 20 mm
36 mm	1.5 mm to 26 mm
40 mm	1.5 mm to 30 mm
50 mm	1.5 mm to 40 mm
60 mm	1.5 mm to 50 mm

Assembly instruction



EDELSTAHL Rost frei STAINLESS STEEL

IP65 IP66 IP69k AISI INOX





IP 65 achieved by:	
** Flat seal	1000-23
** O-Ring	1000-24
IP 66 achieved by:	
Seal set	1000-U769
IP 69K achieved by:	
* Seal set	1000-U841
Assembly on request	
without O-ring	1000-990
with O-ring	1000-991

** included in case of stainless st. version

* Seal set only available completely assembled with housing, insert and cam

Housing material of choice; nut or earthing nut m.s. zinc-plated or nut stainless steel; adapter zinc die or AISI 303; screw m.s. zinc-plated or stainless steel

GH in mm	Zinc die chrome-plated		Zinc die black powder-coated		Polyamide black	AISI 316 / 303
	Nut	Earthing nut	Nut	Earthing nut	Nut	Nut
30	1000-U51	1000-U65	1000-U225	1000-U226	1000-U876	1000-U878
– Adapter			1000-U164			1000-U879
36	1000-U246	1000-U248	1000-U317	1000-U318	–	–
– Adapter			1000-U198			–
40	1000-U66	1000-U67	1000-U227	1000-U228	1000-U737	–
– Adapter			1000-U165			–
50	1000-U68	1000-U69	1000-U229	1000-U230	1000-U736	–
– Adapter			1000-U166			–
60	1000-U504	1000-U505	1000-U506	1000-U507	–	–
– Adapter			1000-U535			–

Note:
Quarter turn assembly 1B-105

Further parts see page

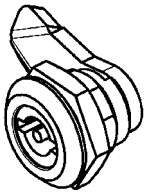
– Housing 1B-760, 1B-680, 1B-820
– Quarter turn with stepped cam 1B-240
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-170
– Insert with wing knob 1B-720
– Escutcheon 3B-140
– Prominent door lock 8A-220
– Key 8B-120

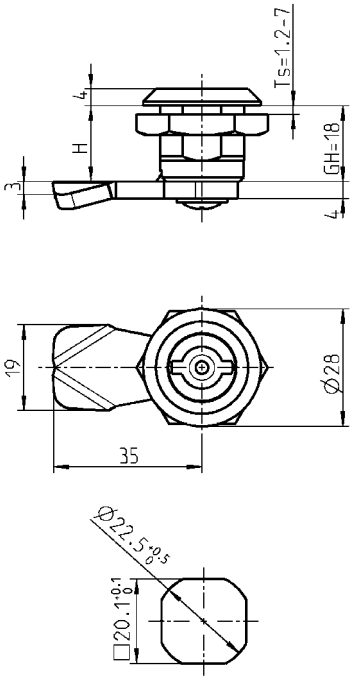
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Plastic quarter turn

PROGRAM 1000

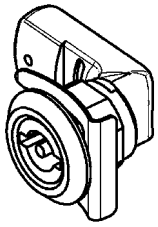
Nut fixing

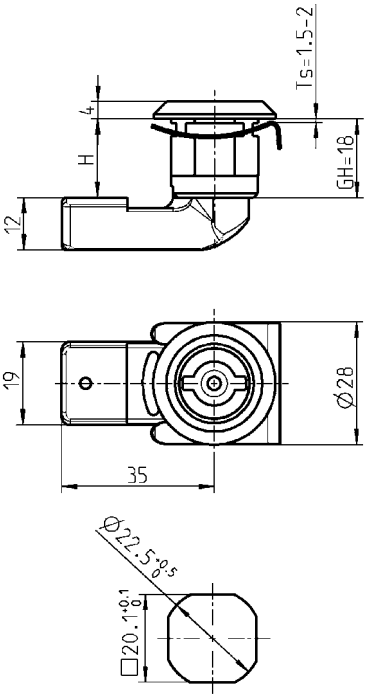




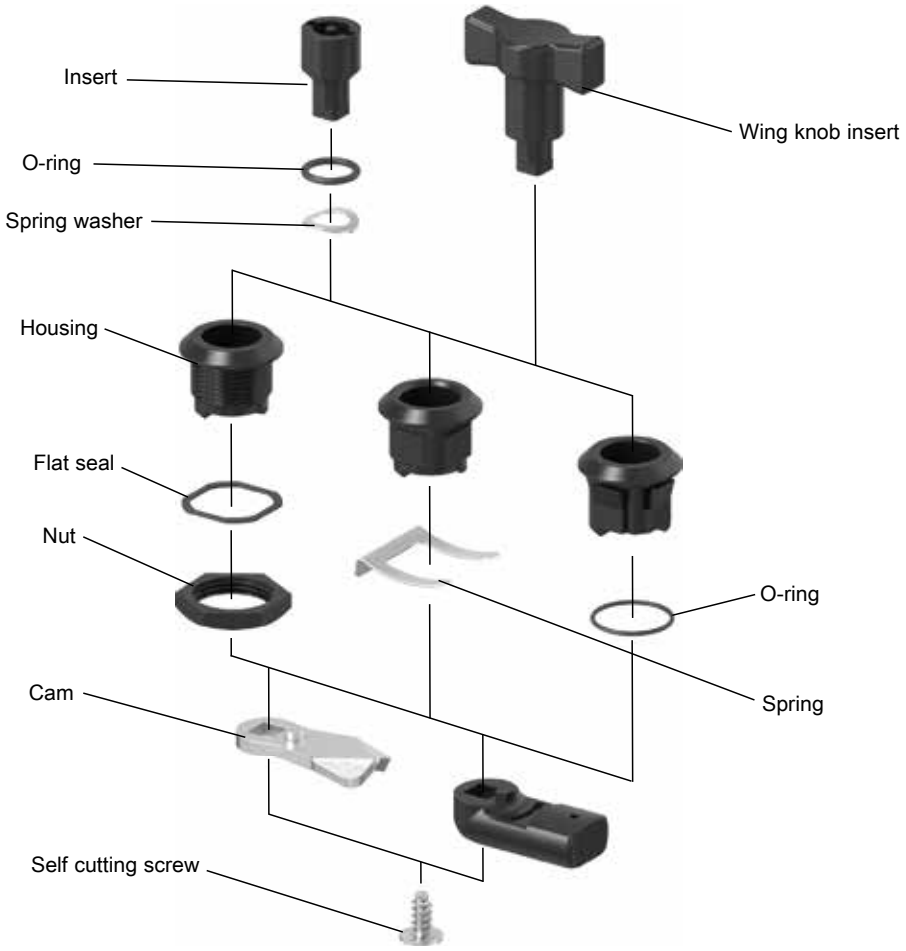
Cut out

Spring fixing





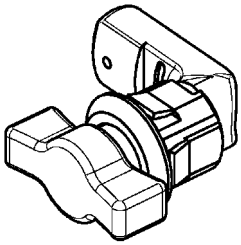
Cut out

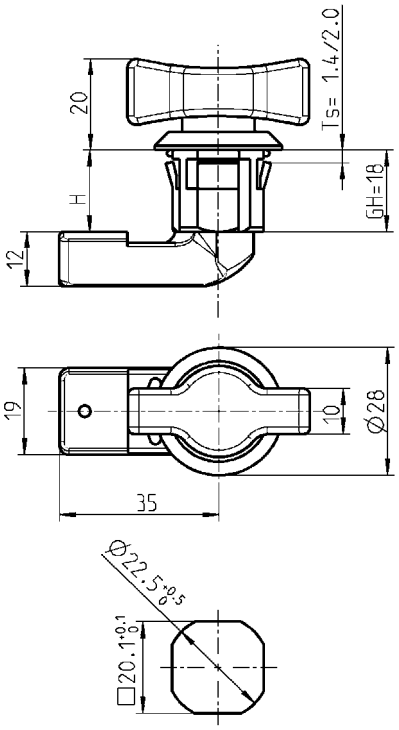


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Clip-in fixing





Cut out







Housing polyamide GF black with nut or spring fixing AISI 301		Housing polyamide black with O-ring	
*Nut fixing	Spring fixing	Ts	clip-in
1000-U675	1000-U709	1.4 *	1000-U695
		2.0	1000-U696
Insert polyamide black, spring washer and self cutting screw m.s. zinc-plated			
Square 7		1000-U666	
Square 8		1000-U676	
Triangular 8		1000-U667	
Double bit 3		1000-U677	
Double bit 5		1000-U678	
Slot 2 x 4		1000-U679	
Eastern Europe Ø 13 half-round		1000-U680	
Wing knob insert (IP 50) IP 65 on request		1000-U711	
Cam material of choice			
H		**m.s. zinc-plated, t = 4**	**Polyamide black**
18		1000-5046	1000-386-18
20		1000-5161	1000-386-20
22		1000-5119	1000-386-22
24		–	1000-386-24
28		1000-5164	1000-386-28
30		–	1000-386-30
IP 65 (*see housing) achieved by:			
Flat seal (nut fixing only)			1000-23
O-ring			1000-24

Note:
Quarter turn assembly 1B-105

Further parts see page
– Insert with wing knob 1B-720
– Finger pull (nut fixing only) 1C-320
– Dust cap (nut fixing only) 1C-320
– Key 8B-120

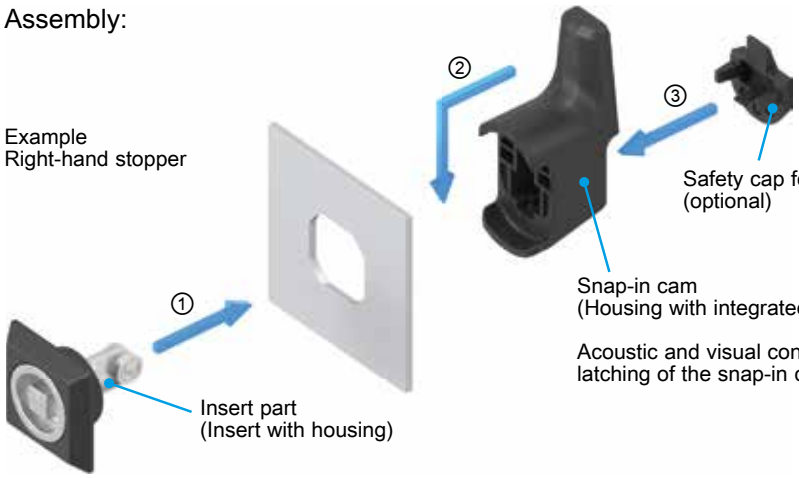
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Items printed in gray without stock

Quarter turn for assembly without tools

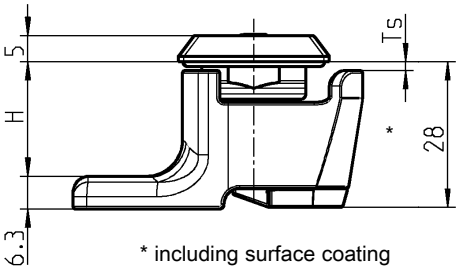
PROGRAM 1000

Assembly:



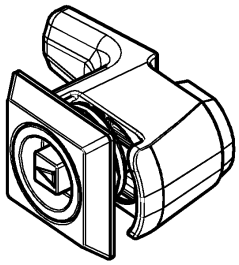
Product benefits

- Cost savings due to toolless assembly within seconds
- Smooth handling (conceptually no internal tension)
- Safety cap optional
- Self-sealing construction for highest protection requirements
- High overwinding safety
- Standard cut out
- Patented



* including surface coating

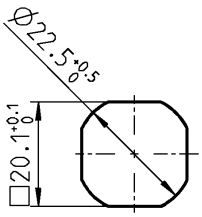
Version 1



Assembly instruction

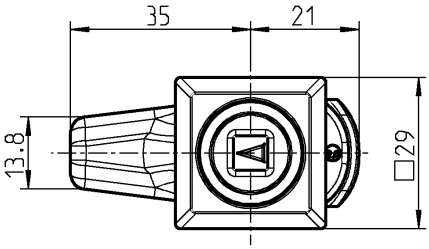
Door LH version

Door RH version

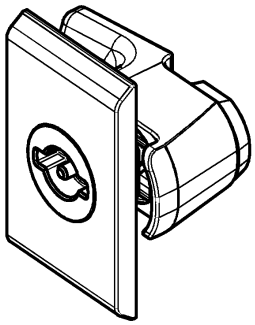


Cut out

Version 1

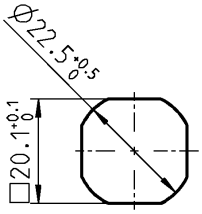


Version 2



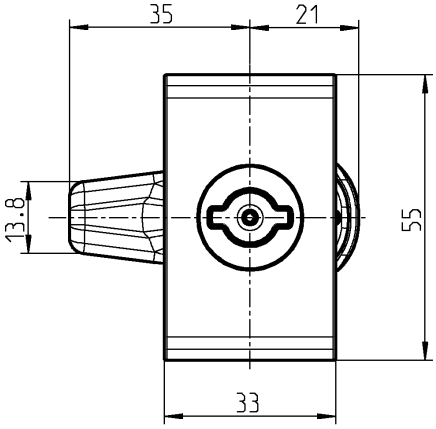
Assembly instruction

Door RH version



Cut out

Version 2



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Version 2
Disassembly instructions

Version 2
Conversion instructions for change of stopper



Housing insert unit Version 1: Housing polyamide GF black with foamed seal Version 2: Housing plate polyamide GF black with integrated TPE seal; 90° stopper polyamide GF black for version 2; insert zinc die with O-ring			
Ⓐ = Foamed seal Ⓑ = TPE seal		Version 1 Ⓐ	Version 2 Ⓑ
Square 7		1000-U902	1000-U914
Square 8		1000-U903	1000-U915
Square 8 with thread M6 for wing knob		1000-U908	on request
Triangular 8		1000-U904	1000-U916
Double bit 3		1000-U905	1000-U913
Slot 2 x 4		1000-U907	1000-U917
Snap-in cam polyamide GF black			
H	Ts = 1.0 - 1.5 *	Ts = 1.5 - 2.0 *	Ts = 2.5 - 3.0 *
18	1000-590	1000-591	1000-593
22	1000-594	1000-595	1000-597
24	1000-598	1000-599	1000-601
Safety cap for snap-in cam polyamide black			
			1000-603

Version 1



Version 2



Housing Version 2: Housing plate polyamide GF silver grey metallic with integrated TPE seal; 90° stopper polyamide GF silver grey metallic			
			Version 2
			1000-U972
Insert zinc die with O-ring			
Square 7			1000-U973
Square 8			1000-U974
Square 8 with thread M6 for wing knob			1000-U975
Triangular 8			1000-U976
Double bit 3			1000-U977
Slot 2 x 4			1000-U978
Snap-in cam polyamide GF silver grey metallic			
H	Ts = 1.0 - 1.5 *	Ts = 1.5 - 2.0 *	Ts = 2.5 - 3.0 *
18	1000-590-CX	1000-591-CX	1000-593-CX
22	1000-594-CX	1000-595-CX	1000-597-CX
24	1000-598-CX	1000-599-CX	1000-601-CX
Safety cap for snap-in cam polyamide silver grey matellic			
			on request

Version 2



*** including surface coating**

Further parts see page
– Wing knob for insert 1B-720
– Key 8B-120

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Items printed in gray without stock

EMKA® Beschlagteile

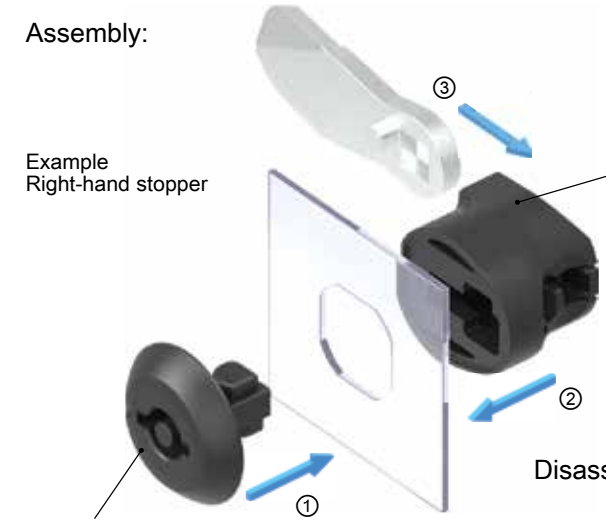
Quarter turn for assembly without tools

PROGRAM 1000

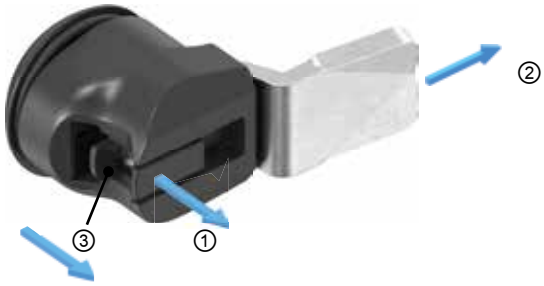




Assembly:



Disassembly:

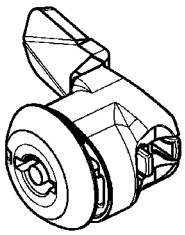


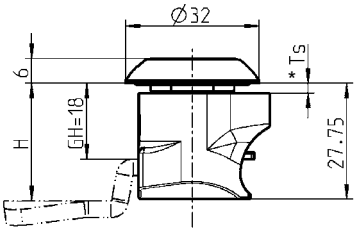
Patented, self-sealing design

Assembly and disassembly without tools

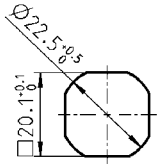
Product benefits

- Cost savings due to toolless assembly within seconds
- Alternatively available with polyamide or steel cam
- Suitable for many standard cams
- Clamping force with steel cam corresponds to EMKA standard quarter turn made of zinc die
- Smooth handling (conceptually no internal tension)
- Self-sealing construction for hig-hest protection requirements (design immanent)
- High overwinding safety
- Standard cut out
- Patented

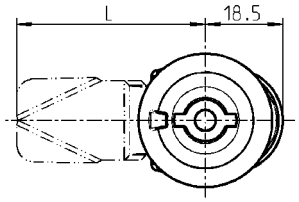




* including surface coating



Cut out



Assembly instruction:

Assembly door stop on the right: Pre-mounted insert part is inserted in the cut out when closed. Then fixed with click-in housing.

Assembly door stop on the left: Pre-mounted insert part is inserted in the cut out when opened. Then fixed with click-in housing.

Other door thicknesses on request!

Further parts see page

– Cam (Version 1, GH = 18) 1C-120
– Key 8B-120

Insert part polyamide GF black; with seal	
Square 7	1000-U883
Square 8	on request
Triangular 8	on request
Double bit 3	1000-U895
Double bit 5	1000-U873
Slot 1.5 x 3	on request
Click-in housing polyamide GF black, for cam Program 1000	
Ts = 0.5 - 1.0 mm incl. surface coating	1000-551-02
Ts = 1.0 - 1.5 mm incl. surface coating	1000-551-01
Ts = 1.5 - 2.0 mm incl. surface coating	1000-551

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Items printed in gray without stock

Compression latch

PROGRAM 1000

Tamper and vibration-proof

The compression latch is designed to be vibration-proof as such.
Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

EDELSTAHL Rostfrei STAINLESS STEEL

IP66

4,5mm

DIN EN 61373

AISI INOX

Product benefits

- Compact design
- Compatible with other quarter turns with GH = 18 mm
- Fire protection according to DIN EN 45545-2 with E20
- Short housing GH = 18 mm
- Foamed seal
- Standard cut out

Certificate DIN EN 45545-2 E20

for stainless steel version



Open condition
Turning the insert 90° causes the cam to rotate.

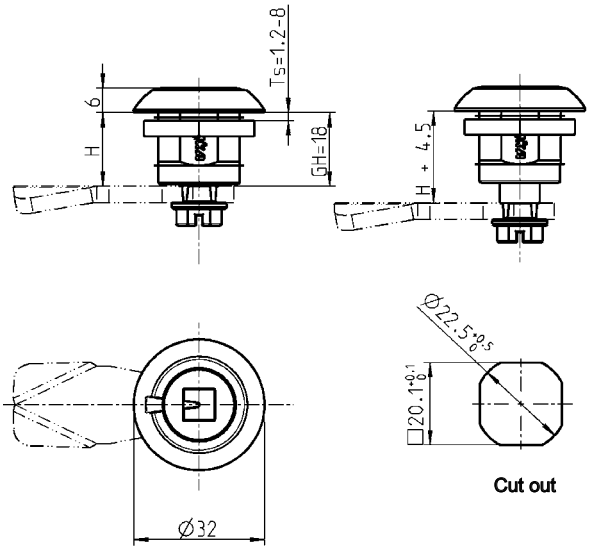


Closed condition
The second 90° of rotation of the insert draws the cam toward the door 4.5 mm axially.



Compressed condition

Open:
Reversed motion



Cut out

Housing and insert material of choice; nut and screw m.s. zinc-plated or stainless steel; with spring and seal

Further insert variants on request	Zinc die black powder-coated	Zinc die chrome-plated	AISI 316
Square 7	on request	1000-U859-IA	1000-U859-PH
Square 8	1000-U852	1000-U852-IA	1000-U852-PH
Triangular 7	on request	1000-U864-IA	1000-U864-PH
Triangular 8	1000-U853	on request	1000-U853-PH
Double bit 3	1000-U854	on request	1000-U854-PH
Double bit 5	1000-U855	on request	1000-U855-PH
Slot 2 x 4	on request	on request	1000-U985-PH
Railway	1000-U856	on request	1000-U856-PH

Further parts see page
– Cam without catch from 1C-120
(not for cam with rod control)
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 8B-120

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Items printed in gray without stock

EMKA® Beschlagteile

Compression latch

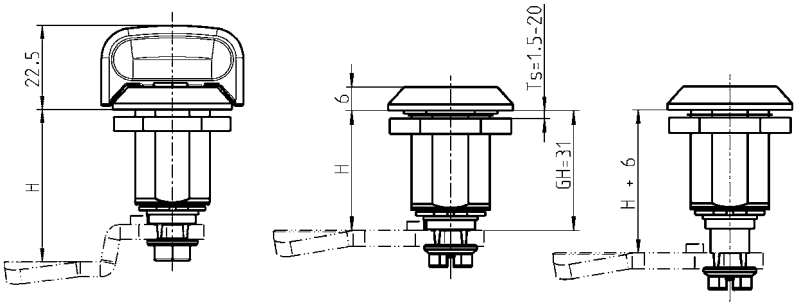
PROGRAM 1000

IP65 · 6mm · DIN EN 61373 · AISI INOX

Tamper and vibration-proof

EDELSTAHL Rost frei STAINLESS STEEL

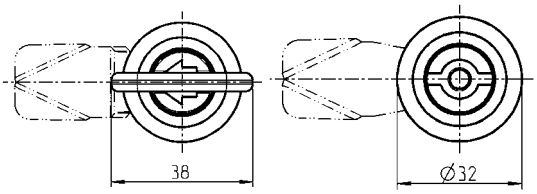
The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

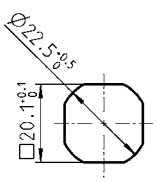


Housing with marking on request

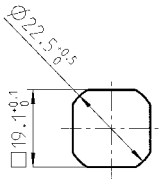
Certificate DIN EN 45545-2 E20

for stainless steel version

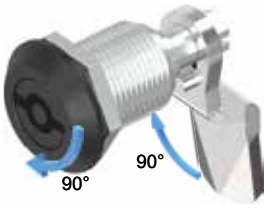




Cut out **version 1**



Cut out **version 2**



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

Cut out version 1
Housing and insert zinc die black powder-coated or AISI 316; nut and screw m.s. zinc-plated or stainless steel; with spring and seal

Further insert variants on request	Zinc die black powder-coated	AISI 316
Square 7 with arrow	1000-U796	on request
Square 8	1000-U755	on request
Square 8 with arrow	1000-U798	on request
Square 8 with marking	on request	1000-U755-01
Triangular 7	1000-U795	on request
Triangular 8	1000-U783	on request
Double bit 3	1000-U749	1000-U749-01
Double bit 5	1000-U748	1000-U748-01
Hexagon female SW 8	1000-U807	on request
Hexagon female SW 8 with pin	1000-U805	on request
Hexagon female SW 10	1000-U809	on request
Square female 8	1000-U811	on request
Slot 2 x 4	1000-U777	1000-U777-01
Insert railway	1000-U831	1000-U831-01
Wing knob insert	1000-U882	on request

Cut out version 2
Housing and insert zinc die black powder-coated or AISI 316; nut and screw m.s. zinc-plated or stainless steel; with spring and seal

Further insert variants on request	Zinc die black powder-coated	AISI 316
Square 8	1000-U981	on request
Square 8 with marking	on request	1000-U981-01
Double bit 3	1000-U982	on request
Double bit 5	1000-U983	on request

Further parts see page
– Cam with or without catch from 1C-120
(not for cam with rod control)
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 8B-120

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Items printed in gray without stock

Compression latch with adjustable cam height

PROGRAM 1000

Tamper and vibration-proof

The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

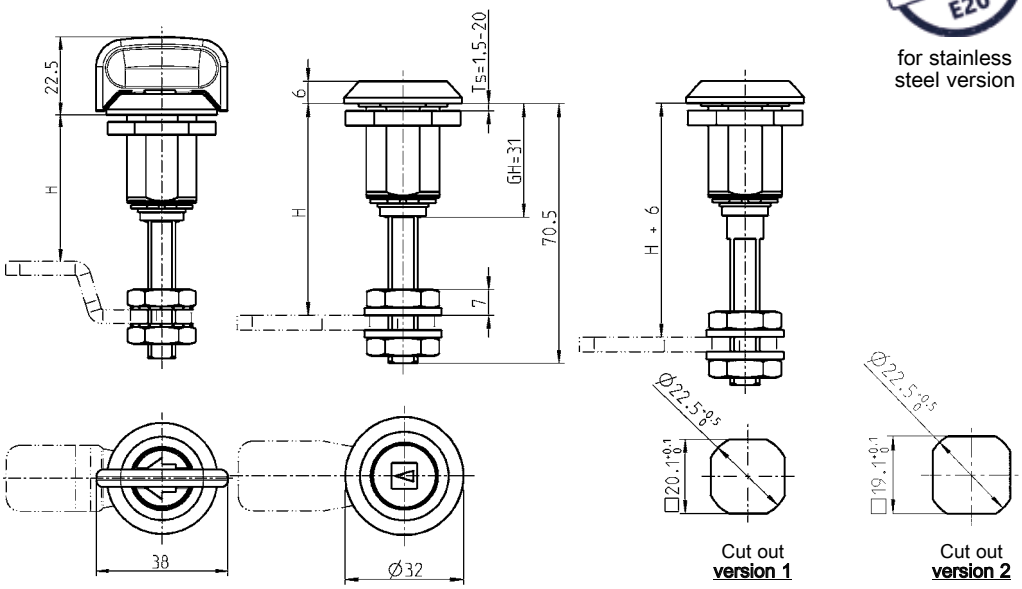
Certificate DIN EN 45545-2 E20

for stainless steel version

IP65

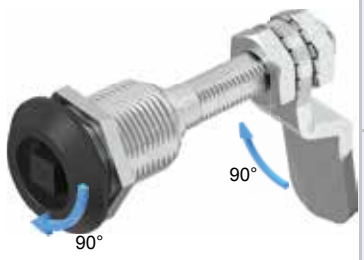
6mm

DIN EN 61373



Cut out **version 1**

Cut out **version 2**



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

Cut out version 1
Compression latch with adjustable cam height
Housing and insert zinc die black powder-coated or AISI 316;
locking shaft zinc die or m.s. zinc-plated or AISI 316;
nuts and washers m.s. zinc-plated or AISI 316; with spring and seal

Further insert variants on request	Housing and insert zinc die black powder-coated		Housing and insert AISI 316
	Locking shaft zinc die	Shaft m.s. zinc-plated	Shaft AISI 316
Square 7 with arrow	1000-U786	1000-SU720	on request
Square 8 with arrow	1000-U799	1000-SU861	1000-U755-02
Triangular 7	1000-U794	1000-SU724	on request
Triangular 8	1000-U802	1000-SU725	on request
Double bit 3	1000-U803	1000-SU730	on request
Double bit 5	1000-U804	1000-SU752	on request
Hexagon male SW 11.1 with marking	1000-U816	1000-SU324	on request
Hexagon female SW 8	1000-U808	1000-SU735	on request
Hexagon female SW 8 with pin	1000-U806	1000-SU733	on request
Hexagon female SW 10	1000-U810	on request	on request
Square female 8	1000-U812	on request	on request
Slot 2 x 4	1000-U813	on request	on request
Insert railway	1000-U832	on request	1000-U831-02
Tube with marking	1000-U830	1000-SU736	on request
Wing knob insert	1000-U880	on request	on request

Cut out version 2
Housing and insert zinc die black powder-coated or AISI 316;
locking shaft zinc die or m.s. zinc-plated or AISI 316;
nuts and washers m.s. zinc-plated or AISI 316; with spring and seal

Further insert variants on request	Housing and insert zinc die black powder-coated		Housing and insert AISI 316
	Locking shaft zinc die	Shaft m.s. zinc-plated	Shaft AISI 316
Square 8 with arrow	on request	1000-SU1167	on request

Note:
Only cams without catch can be used.

Further parts see page

– Cam (GH = 31) 1C-137
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 8B-120

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Items printed in gray without stock

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Beschlagteile

Notes:

Stainless steel and hybrid (aluminium and stainless steel) compression latch with marking

PROGRAM 1000

Tamper and vibration-proof

The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

EDELSTAHL Rost frei STAINLESS STEEL

IP66

6mm

DIN EN 61373

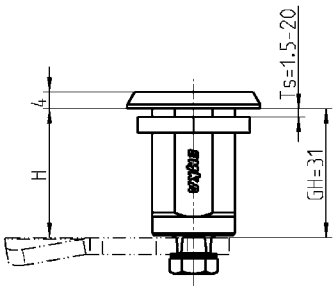
AISI INOX

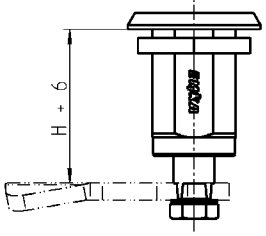
Certificate DIN EN 45545-2 E20



Stainless steel

Additional IP protection during cleaning work inside possible with flat seal 1000-570 (self-adhesive). This seal is included with -SU part no.

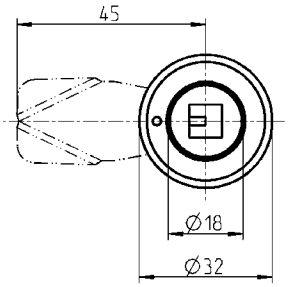


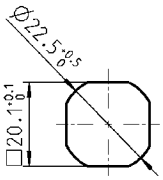


Certificate DIN EN 45545-3 E20



Stainless steel and aluminium

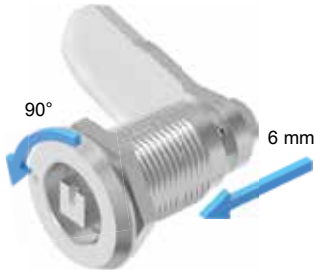




Cut out



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

Stainless steel compression latch with marking Housing and insert AISI 316; nut and screw stainless steel; with spring and seal		
Further insert variants on request	Left-hand version	Right-hand version
Square 7	1000-SU925-LIPH	1000-SU925-REPH
Square 8	1000-U865-LIPH	1000-U865-REPH
Triangular 7	1000-SU925-02LIPH	on request
Triangular 8	1000-U911-LIPH	1000-SU925-01REPH
Hexagon male SW 10	1000-U869-LIPH	1000-U869-REPH
Insert railway	1000-U870-LIPH	1000-U870-REPH
Insert railway with outer rack	1000-SU925-03LIPH	1000-SU925-03REPH
Hybrid (aluminium and stainless steel) compression latch with marking Housing aluminium anodized; insert AISI 316; nut and screw stainless steel; with spring and seal		
Square 7	1000-U968-LI	1000-U968-RE
Square 8	1000-U968-04LI	1000-U968-04RE
Triangular 6.5	1000-SU1186-02LI	on request
Triangular 7	1000-U968-02LI	on request
Triangular 8	1000-U968-01LI	1000-U968-01RE
Hexagon male SW 10	1000-U968-05LI	1000-U968-05RE
Insert railway	1000-U968-06LI	1000-U968-06RE
Insert railway with outer rack	1000-U968-03LI	1000-U968-03RE

Further parts see page
– Cam without catch 1C-120
(not for cam with rod control)
– Accessories from 1C-320
– Key 8B-120

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Compression latch with handle and fixed or adjustable cam height

PROGRAM 1000

Example:
Compression latch with T-handle



Open condition
Turning the handle by 90° causes the cam to rotate.



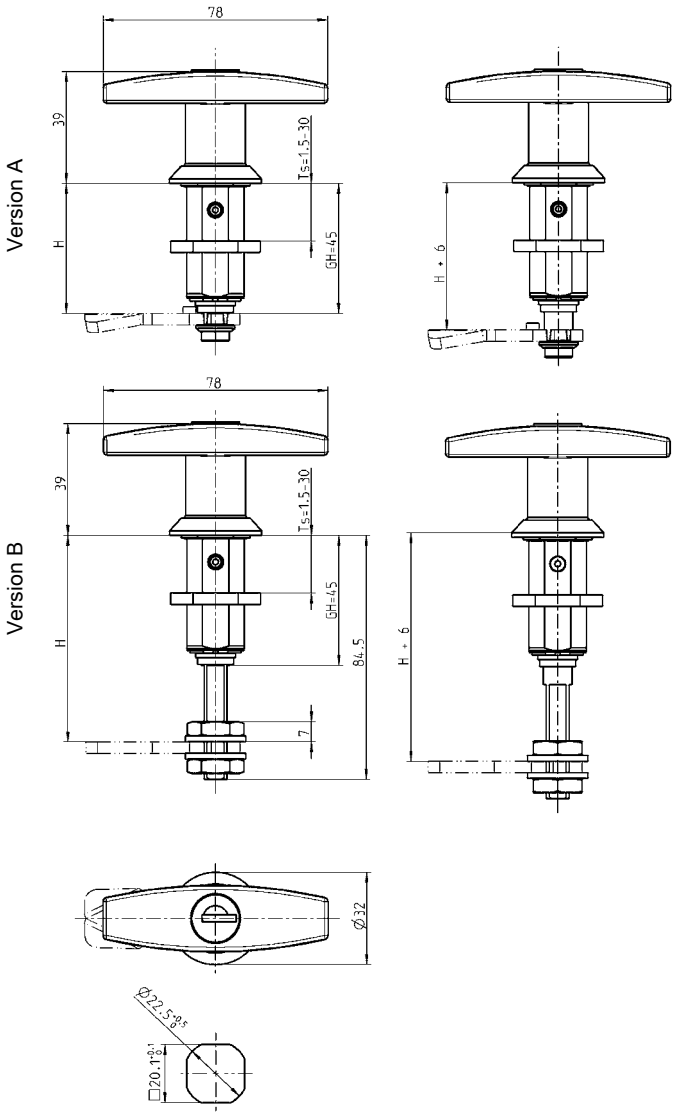
Closed condition
Further rotation of the handle by 90° moves the cam 6 mm in axial direction.



Compressed condition
Key removable

Open:
Reversed motion

Compression latch with T-handle



Cut out

Note:
For version B only cams without catch can be used!

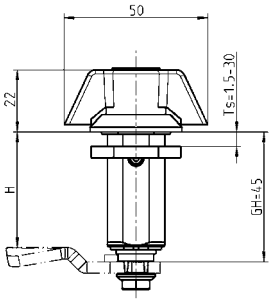
Tamper and vibration-proof

The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

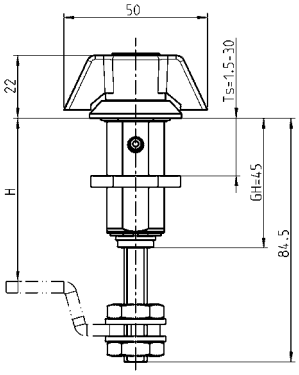
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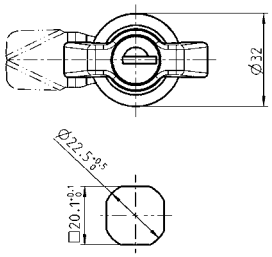
Compression latch with wing knob

Version A



Version B

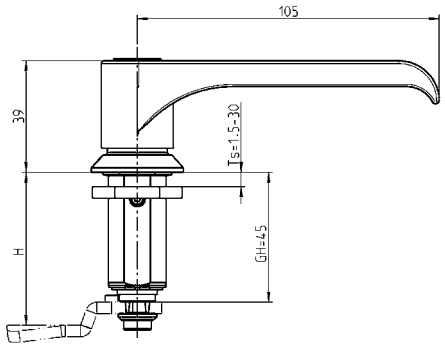




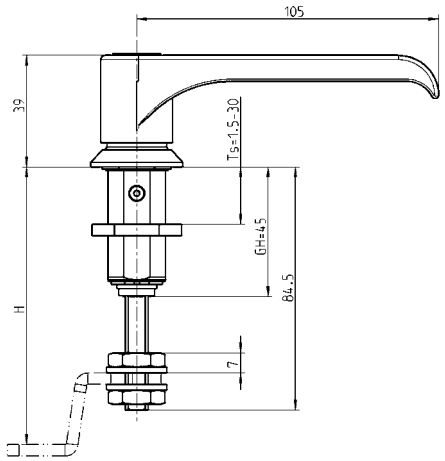
Cut out

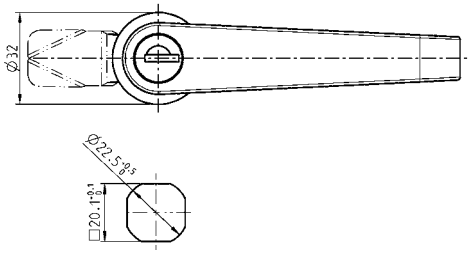
Compression latch with L-handle

Version A

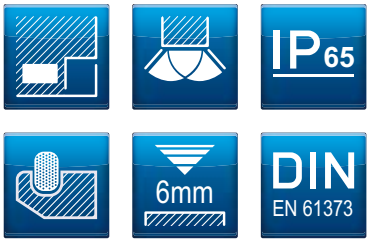


Version B





Cut out





Stainless steel version on request.



Handle and housing zinc die black powder-coated;
round cylinder zinc die with stainless steel cap and dust protection;
nut and screw or washer m.s. zinc-plated; with spring and seal
Each round cylinder has one silver steel key with grip polyamide black.
Key removable in both positions.

Version A: Fixed cam height	non locking	keyed EK 333	keyed different
Wing knob	1000-U826	1000-U827	1000-U828
T-handle	1000-U820	1000-U821	1000-U822
L-handle	1000-U823	1000-U824	1000-U825
Version B: Adjustable cam height			
Wing knob	1000-U790	1000-U789	1000-U791
T-handle	1000-U785	1000-U784	1000-U792
L-handle	1000-U788	1000-U787	1000-U793

Further parts see page

for fixed cam height
– Cam with or without catch from 1C-120
(not for cam with rod control)

for adjustable cam height
– Cam (GH = 45) 1C-137

for both versions
– Dust cap for T-handle 1C-340
– Spare key 8B-140

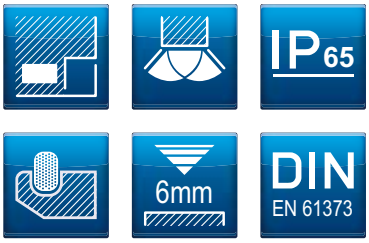
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®Compression latch with optical opening indicator

PROGRAM 1000



Tamper and vibration-proof

The compression latch is designed to be vibration-proof as such.
Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

When the compression latch is used in combination with the dust cap (page 1C--330), another security aspect is added:

Additionally, when the lock is open and the red ring visible, the dust cap cannot be locked and remains open.



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

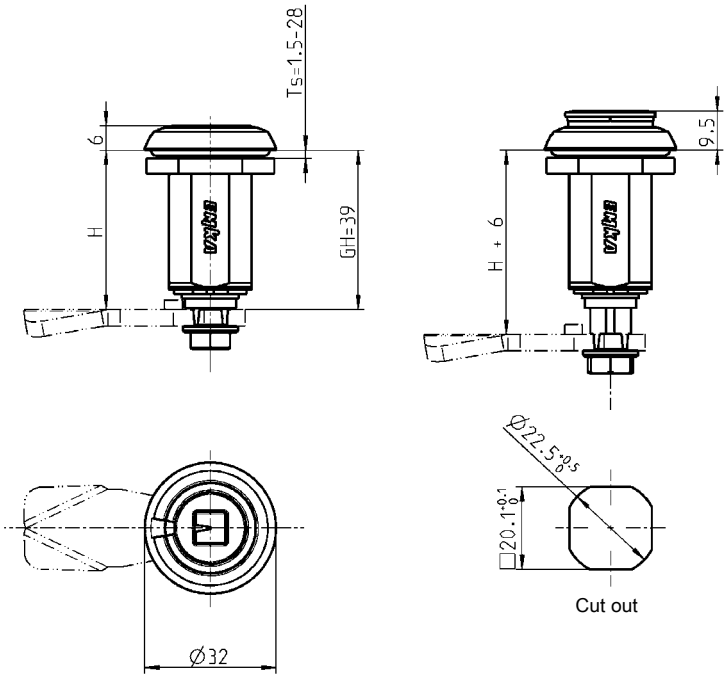
Open:
Reversed motion

Compressed condition



Open condition





Further parts see page

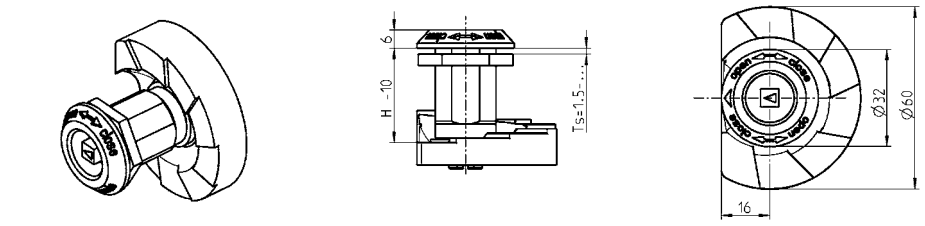
– Cam with or without catch (not for cam with rod control)	from	1C-120
– Accessories	from	1C-320
– Escutcheon		3B-140
– Key		8B-120

Housing and insert zinc die black powder-coated; signal ring red; nut and screw m.s. zinc-plated, with spring and seal	
Square 8	1000-U846
Railway	1000-U848

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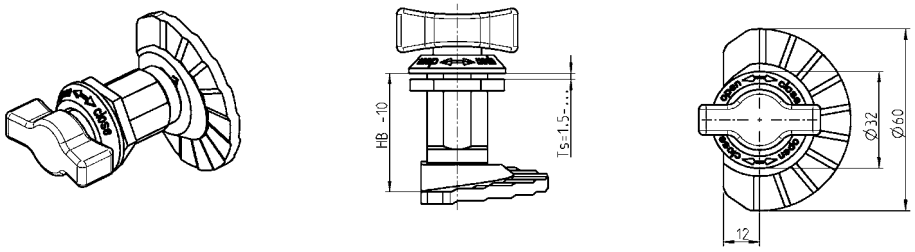
Quarter turn with stepped cam

PROGRAM 1000

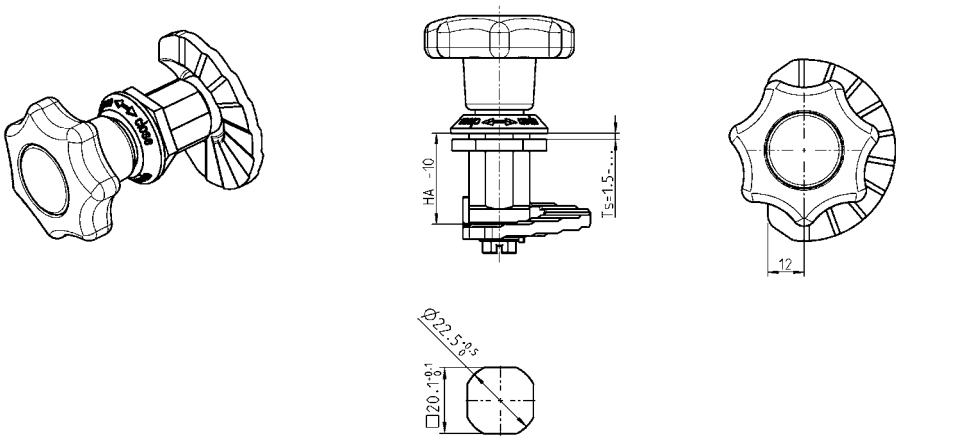


Version A

Version B



Version B



Cut out







Housing with 270° stopper

Stepped cam		
Version A	m.s. zinc-plated, without stopper	1000-127
	m.s. zinc-plated, with stopper	1000-244
Version B	zinc die raw, with stopper	1000-387

Housing zinc die surface of choice; nut m.s. zinc-plated; adapter and spacer zinc die; srew m.s. zinc-plated

Ts 1.5 to	H	HA	HB	Housing zinc die chrome-plated	Housing zinc die black powder-coated	with adapter zinc die (Insert flush at front)	Spacer zinc die 5 mm higher H-dimension and screw m.s. zinc-plated
8	19	19	27	1000-U157	1000-U231	not required	1000-U539
20	31	31	39	1000-U158	1000-U232	1000-U164	1000-U540
26	37	37	45	1000-U247	1000-U250	1000-U198	1000-U541
30	41	41	49	1000-U159	1000-U233	1000-U165	1000-U542
40	51	51	59	1000-U160	1000-U234	1000-U166	1000-U543

Advice:
Quarter turn assemby 1B-105

Further parts see page
– Insert 1B-140
– IP 65 or IP 66 1B-140
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 8B-120

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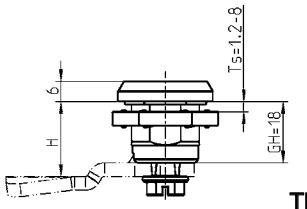
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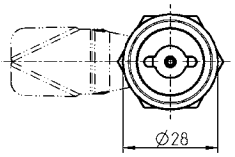
Beschlagteile

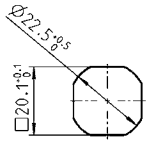
Notes:

Safety quarter turn
PROGRAM 1000



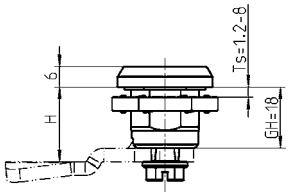
Right-hand version

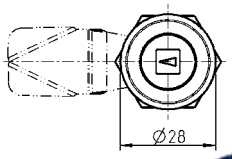




Cut out

The safety quarter turn is of a vibration-proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.





for stainless steel version



Push cam back using insert.



Cam snaps into place.

Double bit key not removable



Housing brass; insert zinc die, screw and earthnut m.s. zinc-plated; with seal	black powder-coated		chrome-plated	
	without Dust cap	with Dust cap	without Dust cap	with Dust cap
Double bit 3, RH version	1000-U252-01	1000-U687	1000-U202-01	1000-U691
Double bit 3, LH version	1000-U254-01	1000-U688	1000-U204-01	1000-U692
Double bit 5, RH version	1000-U256-01	1000-U689	1000-U206-01	1000-U693
Double bit 5, LH version	1000-U258-01	1000-U690	1000-U208-01	1000-U694
Square 6, RH / LH version	1000-U260-01	–	1000-U210-01	–
Square 7, RH / LH version	1000-U262-01	–	1000-U212-01	–
Square 8, RH / LH version	1000-U264-01	–	1000-U214-01	–
Triangular 7, RH / LH version	1000-U266-01	–	1000-U216-01	–
Triangular 8, RH / LH version	1000-U268-01	–	1000-U218-01	–
Slot 2 x 4, RH / LH version	1000-U652-01	–	1000-U655-01	–
Eastern Europe Ø 13 half-round, 90° and 180° stopper, RH / LH version	1000-U713-01	–	–	–
Railway AISI 303, RH / LH version	1000-U732-01	–	1000-U733-01	–

Housing with insert, screw and nut AISI 303; with seal	without Dust cap	with Dust cap
Double bit 3, RH version	1000-U714-01	1000-U725
Double bit 3, LH version	1000-U715-01	1000-U726
Double bit 5, RH version	1000-U716-01	1000-U727
Double bit 5, LH version	1000-U717-01	1000-U728
Square 6, RH / LH version	1000-U718-01	–
Square 7, RH / LH version	1000-U719-01	–
Square 8, RH / LH version	1000-U720-01	–
Triangular 7, RH / LH version	1000-U721-01	–
Triangular 8, RH / LH version	1000-U722-01	–
Slot 2 x 4, RH / LH version	1000-U723-01	–
Eastern Europe Ø 13 half-round, 90° and 180° stopper, RH / LH version	1000-U724-01	–
Railway, RH / LH version	1000-U710-01	–
Ø 8.6 with slot, RH / LH version	1000-U712-01	–

Safety quarter turn
Tamper and vibration-proof.
For double-bit version:
Key can only be removed in locking position.

Hole for the double bit according to DIN 43668.
Waterproof and dustproof, according to IP 65 DIN 40050.

Only available with pre-assembled cam.

Further parts see page

– Cam with catch 1C-120
Accessories 1C-320
(not for slam-lock) 1C-360
1C-380
– Escutcheon 3B-140
– Key 8B-120

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Safety quarter turn without mask

PROGRAM 1000

IP65

DIN EN 61373

AISI INOX

EDELSTAHL Rostfrei STAINLESS STEEL

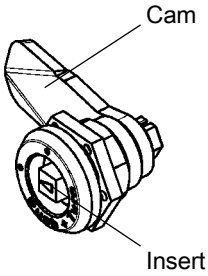


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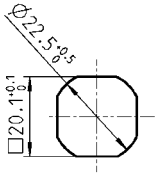
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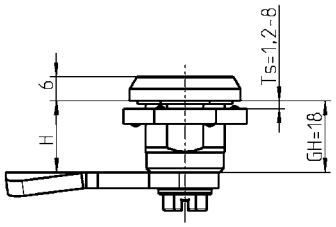
Press down the insert and turn!

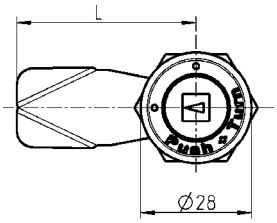


Certificate DIN EN 45545-2 E20

for stainless steel version







Safety quarter turn:
The safety quarter turn is of a vibration-proof design. Depending on the installation location and operational conditions, specific checks are necessary and/ or supplementary measures of fastening required.

Note:
Only cams without catch can be used.

Note:
The H-dimension will be reduced by 2 mm when used with the finger pull (see page 1C-320)

Further parts see page

– Cam without catch	1C-120
– Accessories	1C-320
to	1C-380
– Key	8B-120

Housing and insert material of choice, earthing nut and screw m.s. zinc-plated or nut and screw stainless steel; with spring and seal		
Further insert variants on request	① Zinc die chrome-plated housing labeling is immerged	② AISI 316 housing labeling is pad printed
Square 6	on request	1000-U817-01PH
Square 7	1000-U817-02IA	on request
Square 8	1000-U817-03IA	1000-U817-03PH
Triangular 7	1000-U817-04IA	on request
Triangular 8	1000-U817-05IA	1000-U817-05PH
Triangular 10	on request	1000-U817-07PH
Double bit 3	1000-U817-08IA	on request
Hexagon female SW 8	on request	1000-U817-24PH
Slot 1.2 x 3	1000-U817-16IA	on request
Slot 2 x 4	1000-U817-17IA	on request
Insert railway	1000-U817-23IA	1000-U817-23PH

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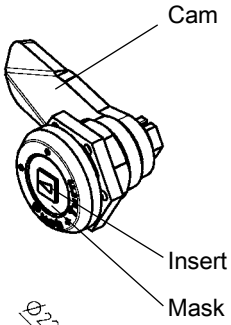
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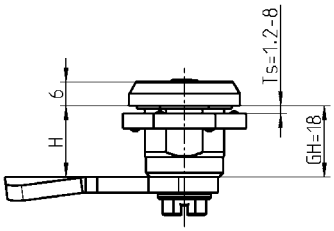
Safety quarter turn with mask

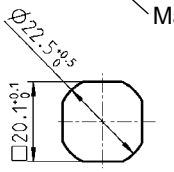
PROGRAM 1000

EMKA Beschlagteile

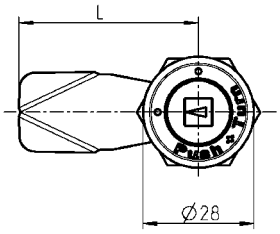
EDELSTAHL Rostfrei STAINLESS STEEL





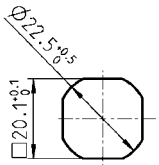


Cut out

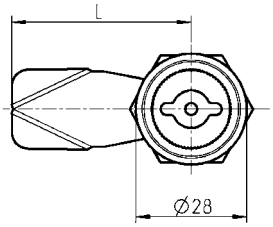


Certificate DIN EN 45545-2 E20

for stainless steel version



Cut out



IP65

DIN EN 61373

AISI INOX



Insert square or triangular



Insert double bit

Press down the insert and turn!

Safety quarter turn:
The safety quarter turn is of a vibration-proof design. Depending on the installation location and operational conditions, specific checks are necessary and/ or supplementary measures of fastening required.

For double-bit version: Key can only be removed in locking position.

Hole for the double bit according to DIN 43668.

Note:
The H-dimension will be reduced by 2 mm when used with the finger pull (see page 1C-320)

Further parts see page

– Cam without catch 1C-120
– Accessories 1C-320 to 1C-380
– Key 8B-120

Housing and insert material of choice; mask zinc die raw; earthing nut and screw m.s. zinc-plated or nut and screw stainless steel; with spring and seal		
Further insert variants on request	**Zinc die chrome-plated**	**AISI 316**
Square 7	1000-U818-02IA	on request
Square 8	1000-U818-03IA	on request
Triangular 7	1000-U818-04IA	on request
Triangular 8	1000-U818-05IA	on request
Housing and insert material of choice, mask stainless steel; earthing nut and screw m.s. zinc-plated or nut and screw stainless steel; with spring and seal		
	Zinc die chrome-plated	**AISI 316**
Double bit 3, RH version	1000-U819-01IA	on request
Double bit 3, LH version	1000-U819-03IA	on request
Double bit 5, RH version	1000-U819-02IA	on request
Double bit 5, LH version	1000-U819-04IA	on request

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Items printed in gray without stock

EMKA® Beschlagteile

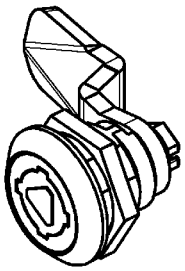
Safety quarter turn

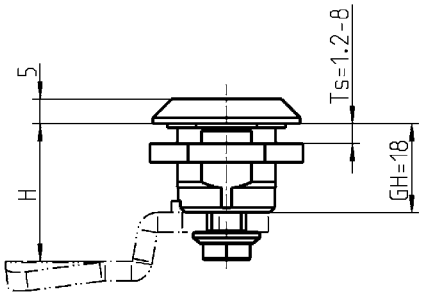
PROGRAM 1000

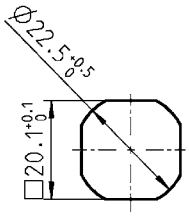




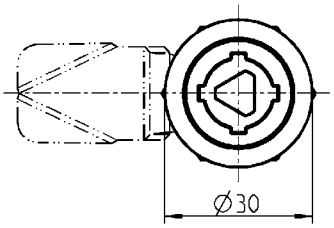
Press down the mask and turn the insert!







Cut out



Safety quarter turn:
The safety quarter turn is of a vibration-proof design. Depending on the installation location and operational conditions, specific checks are necessary and/ or supplementary measures of fastening required.

The H-dimension will be reduced by 2 mm when used with the finger pull (see page 1C-320)

Further parts see page

– Cam with catch		1C-120 1C-160
– Accessories	to	1C-320 1C-380
– Key		8B-120

Quarter turn zinc die black powder-coated; screw and earthing nut m.s. zinc-plated; with seal. Key removable in both positions.

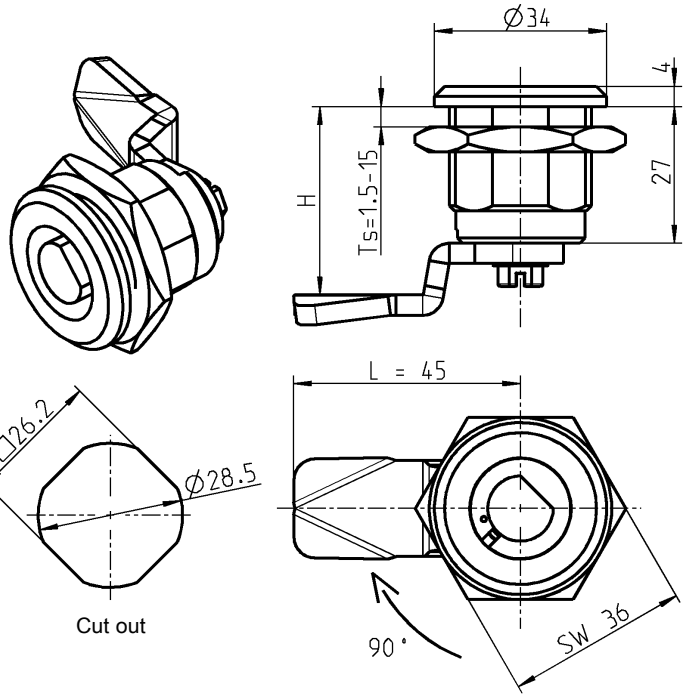
Triangular 8, RH / LH version	1000-U835

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Safety quarter turn Eastern Europe half-round

PROGRAM 1000





Cut out





Attention:
Cut out deviating from standard

The spring-loaded insert in the direction of the arrow (type: Eastern European Ø13 half-round) can only be turned with a special key.
Key only removable in the locked position.

Housing zinc die or polyamide; insert zinc die zinc-plated; nut and fixing material m.s. zinc-plated			
Zinc die black powder-coated			1000-U746-01
Polyamide black			1000-U747
Key zinc die raw			
			1004-45
Cam m.s. zinc-plated			
Dim. H	**Part-No.**	**Dim. H**	**Part-No.**
13	1000-112	29	1000-16
15	1000-22	31	1000-15
17	1000-113	33	1000-14
19	1000-21	34	1000-27
22	1000-20	35	1000-50
23	1000-19	37	1000-13
25	1000-18	39	1000-28
27	1000-17		
Further cams on request			

Application:
Electric power companies in Eastern Europe

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EMKA® Beschlagteile

Safety quarter turn

PROGRAM 1000

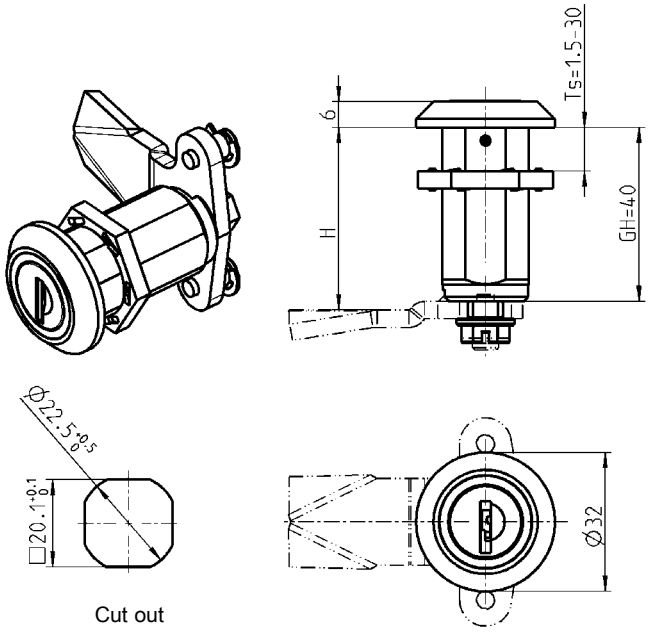












Cut out

Safety quarter turn:
Removable roller, concealed square insert enables higher torque with the square key.

Combination of quarter turn and round cylinder for 1- and 3-point latch system.

Note:
IP 65 and IP 66 only available pre-assembled!

Further parts see page

– Cam with catch		1C-120
	to	1C-180
– Accessories	from	1C-170
– Escutcheon		3B-140
– Spare key		8B-140

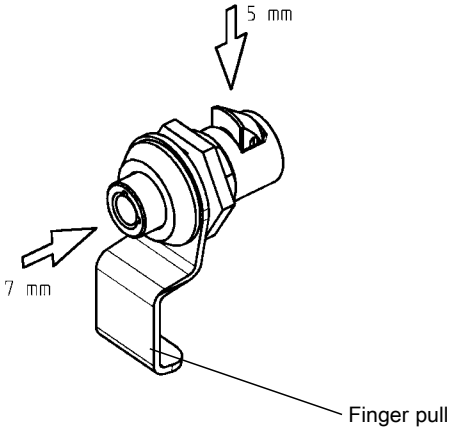
Safety quarter turn housing zinc die black powder-coated; cylinder with stainless steel cap and dust protection; insert square female 6 mm zinc die chrome-plated, earthing nut and fixing material m.s. zinc-plated. Each round cylinder has one silver steel key with grip polyamide GF black.	
keyed EK 333	1048-U22
keyed different	1048-U23
Key square male 6 mm	1004-29-01
IP 65 achieved by:	
Flat seal	1000-23
O-ring	1000-24
IP 66 achieved by:	
Seal set	1000-U769

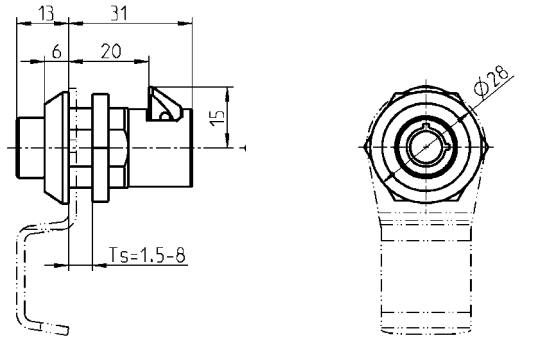
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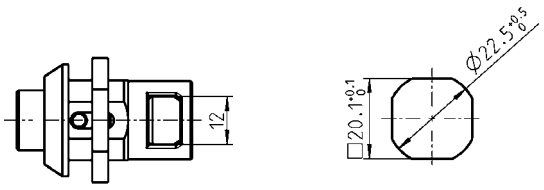
Radial pin-push cylinder

PROGRAM 1000

EMKA Beschlagteile







Cut out





Radial pin-push cylinder:
By turning the key 90° the push button is unlocked and can be operated.
The key is removable in both positions.

Application:
Computer housing
Deutsche Bahn

Attention:
When using a finger pull, the dimension changes from 20 to 18 mm or TS_{max} becomes 6 mm.

Radial pin-push cylinder housing zinc die; push cylinder brass / zinc die nickel-plated; locking bolt zinc die zinc-plated; nut m.s. zinc-plated

	chrome-plated	black powder-coated
keyed 20001	1000-U742	1000-U751
keyed different	1000-U743	1000-U752

Further parts see page

– Finger pull	1C-320
– Escutcheon	3B-140

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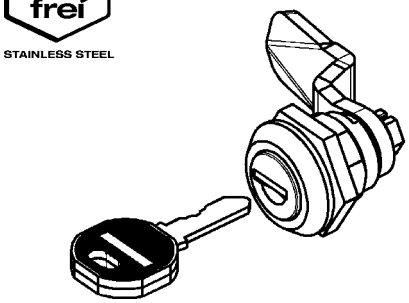
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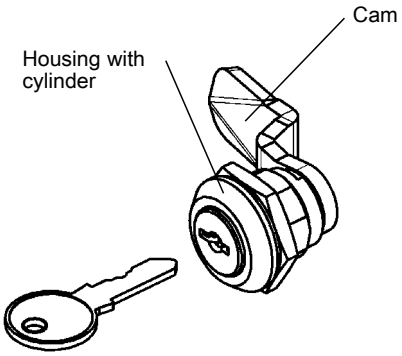
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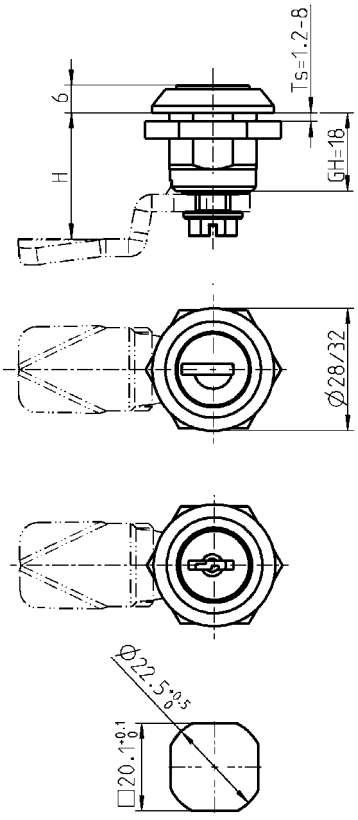
Cylinder quarter turn
PROGRAM 1000











Cut out

Key removable in both positions

Further parts see page

– Cam with catch (not for cam with rod control) from	1C-120 1C-160
– Slam cam	1C-180
– Accessories	1C-320 1C-360 1C-380
– Escutcheon	3B-140
– Spare key	8B-140

**Cylinder quarter turn housing zinc die surface of choice;
round cyinder zinc die with stainless steel cap and dust protection;
nut, earthing nut and screw m.s. zinc-plated.
Each round cylinder has one silver steel key with grip polyamide GF black.**

Housing zinc die	chrome-plated		black powder-coated	
	Nut	Earthing nut	Nut	Earthing nut
D = 28 mm				
keyed EK 333	1048-U6	1048-U8	1048-U14	1048-U16
keyed different	1048-U7	1048-U9	1048-U15	1048-U17
D = 32 mm				
keyed EK 333	1048-U1	1048-U3	1048-U10	1048-U12
keyed different	1048-U2	1048-U4	1048-U11	1048-U13

**Cylinder quarter turn AISI 316; round cylinder, nut, screw and serrated washer stainless steel.
Each round cylinder has one silver steel key with grip polyamide GF black.**

	Nut stainless steel	Earthing nut
keyed EK 333, D = 28 mm	1048-U6-PH	–
keyed different, D = 28 mm	1048-U7-PH	–

**Cylinder quarter turn housing with round cylinder polyamide GF black;
screw m.s. zinc-plated; nut m.s. zinc-plated or polyamide black.
Each round cylinder has one key of m.s. nickel-plated.**

	Nut m.s. zinc-plated	Earthing nut	Nut polyamide black	Earthing nut
D = 28 mm				
keyed EK 333	1048-U18	–	1048-U27	–
keyed different	1048-U19	–	1048-U28	–
D = 32 mm				
keyed EK 333	1048-U20	–	1048-U25	–
keyed different	1048-U21	–	1048-U26	–

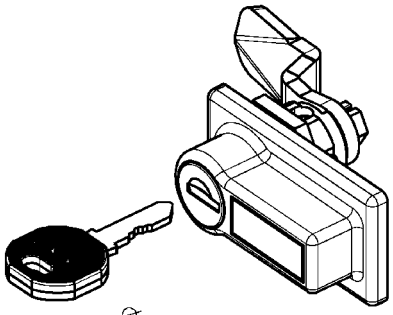
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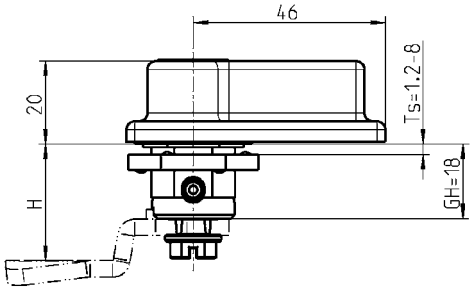
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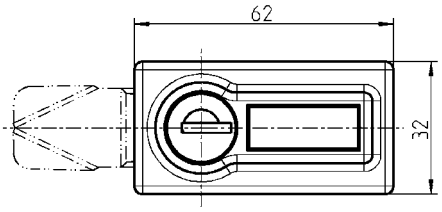
Panel handle quarter turn, T-handle quarter turn, small

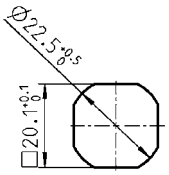
PROGRAM 1000

Panel handle quarter turn









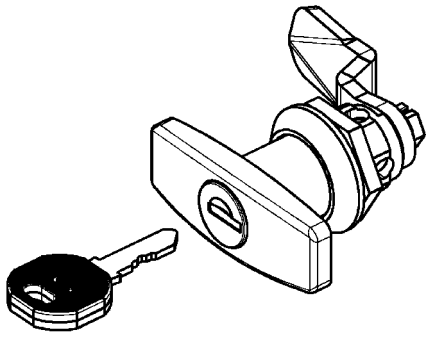
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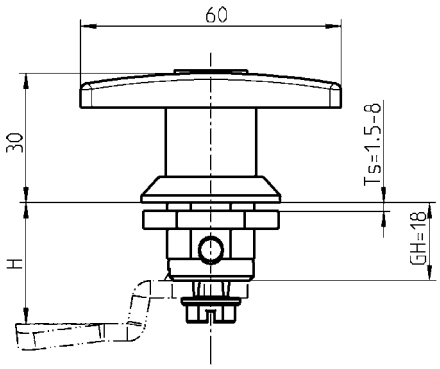


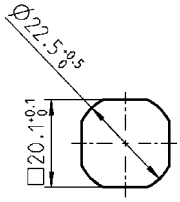
**Handle polyamide GF black; housing zinc die black powder-coated;
round cylinder zinc die with stainless steel cap and dust protection;
nut, earthing nut and fixing material m.s. zinc-plated; with spring and seal.
Each round cylinder has one silver steel key with grip polyamide black.
Key removable in both positions.**

	Nut	Earthing nut
keyed EK 333	–	1000-U844
keyed different	–	1000-U845

T-handle quarter turn, small







Cut out



**T-handle polyamide GF black; housing zinc die black powder-coated;
round cylinder zinc die with stainless steel cap and dust protection;
nut, earthing nut and fixing material m.s. zinc-plated; with spring and seal.
Each round cylinder has one silver steel key with grip polyamide black.
Key removable in both positions.**

	Nut	Earthing nut
non locking	1000-U775	1000-U775-01
keyed EK 333	1000-U773	1000-U773-01
keyed different	1000-U774	1000-U774-01

Further parts see page
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 8B-140

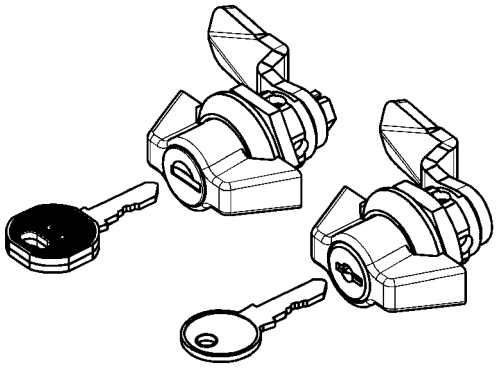
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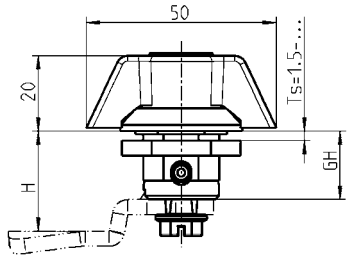
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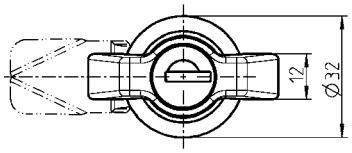
Wing knob quarter turn

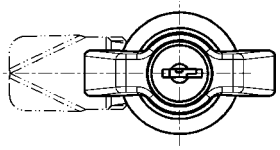
PROGRAM 1000

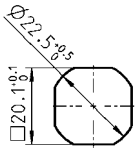
EDELSTAHL Rostfrei STAINLESS STEEL











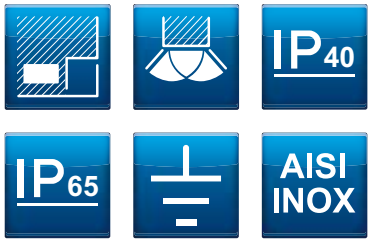
Cut out

Cylinder zinc die
Each round cylinder has one silver steel key with grip polyamide GF black.
Screw and nut m.s. zinc-plated.
Key removable in both positions.

Cylinder polyamide
Each round cylinder has one m.s. nickel-plated key.
Screw and nut m.s. zinc-plated.
Key removable in both positions.

Wing knob IP 65		Wing knob, housing zinc die chrome-plated; with seal; nut, earthing nut and screw m.s. zinc-plated. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U149	1000-U150	1000-U151
with earthing nut		1000-U152	1000-U153	1000-U154
30 mm	**20 mm**			
with nut		1000-U269	1000-U271	1000-U273
with earthing nut		1000-U270	1000-U272	1000-U274
40 mm	**30 mm**			
with nut		1000-U275	1000-U277	1000-U279
with earthing nut		1000-U276	1000-U278	1000-U280
50 mm	**40 mm**			
with nut		1000-U281	1000-U283	1000-U285
with earthing nut		1000-U282	1000-U284	1000-U286
60 mm	**50 mm**			
with nut		1000-U633	1000-U635	1000-U637
with earthing nut		1000-U634	1000-U636	1000-U638

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Wing knob

IP 65

Wing knob, housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.

GH 18 mm	Ts 1.5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U241	1000-U237	1000-U239
with earthing nut		1000-U242	1000-U238	1000-U240
30 mm	**20 mm**			
with nut		1000-U403	1000-U405	1000-U407
with earthing nut		1000-U404	1000-U406	1000-U408
40 mm	**30 mm**			
with nut		1000-U409	1000-U411	1000-U413
with earthing nut		1000-U410	1000-U412	1000-U414
50 mm	**40 mm**			
with nut		1000-U415	1000-U417	1000-U419
with earthing nut		1000-U416	1000-U418	1000-U420
60 mm	**50 mm**			
with nut		1000-U639	1000-U641	1000-U643
with earthing nut		1000-U640	1000-U642	1000-U644



Wing knob

IP 65

Wing knob, housing, nut and screw AISI 316; with seal. Round cylinder stainless steel with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.

GH 18 mm	Ts 1.5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U665	1000-U150-PH	1000-U151-PH



Wing knob

IP 65

Wing knob polyamide black; housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black.

Wing knob, housing, round cylinder and nut polyamide black (IP 40) Each round cylinder has one m.s. nickel-plated key.

GH 18 mm	Ts 1.5 - 8 mm	non locking	keyed EK 333	keyed different	keyed EK 333	keyed different
with nut		1000-U343	1000-U345	1000-U347	1000-U754	1000-U753
with earthing nut		1000-U344	1000-U346	1000-U348	–	–
30 mm	**20 mm**					
with nut		1000-U512	1000-U514	1000-U516	–	–
with earthing nut		1000-U513	1000-U515	1000-U517	–	–
40 mm	**30 mm**					
with nut		1000-U518	1000-U520	1000-U522	–	
with earthing nut		1000-U519	1000-U521	1000-U523	–	–
50 mm	**40 mm**					
with nut		1000-U524	1000-U526	1000-U528	–	–
with earthing nut		1000-U525	1000-U527	1000-U529	–	–
60 mm	**50 mm**					
with nut		1000-U645	1000-U647	1000-U649	–	–
with earthing nut		1000-U646	1000-U648	1000-U650	–	–

Further parts see page

– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 8B-140

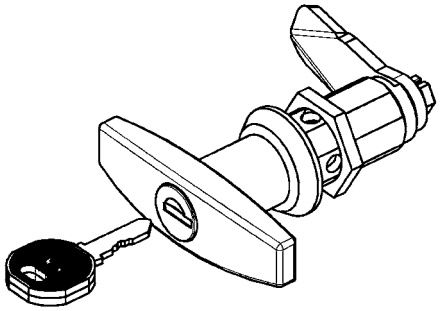
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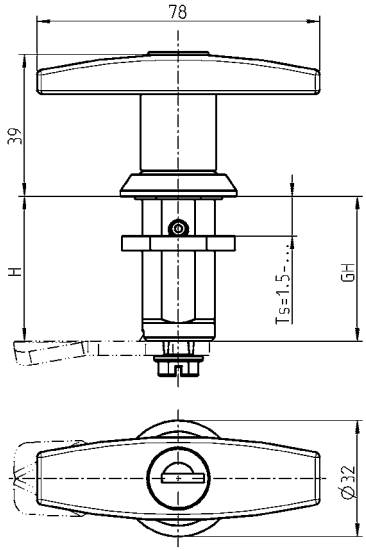
Items printed in gray without stock

T-handle quarter turn

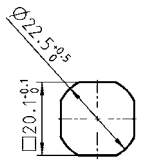
PROGRAM 1000

EDELSTAHL Rostfrei STAINLESS STEEL





Each round cylinder has one silver steel key with grip polyamide GF black.
Screw and nut m.s. zinc-plated.
Key removable in both positions.



Cut out

T-handle quarter turn,
prepared for KABA cylinder type 1036 with standard locking
and / or master key system on request.

T-handle **IP 65**		**T-handle, housing zinc die chrome-plated; with seal; nut, earthing nut and screw m.s. zinc-plated. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.**		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U9	1000-U10	1000-U11
with earthing nut		1000-U60	1000-U61	1000-U62
30 mm	**20 mm**			
with nut		1000-U116	1000-U118	1000-U120
with earthing nut		1000-U117	1000-U119	1000-U121
40 mm	**30 mm**			
with nut		1000-U122	1000-U124	1000-U126
with earthing nut		1000-U123	1000-U125	1000-U127
50 mm	**40 mm**			
with nut		1000-U128	1000-U130	1000-U132
with earthing nut		1000-U129	1000-U131	1000-U133
60 mm	**50 mm**			
with nut		1000-U594	1000-U596	1000-U598
with earthing nut		1000-U595	1000-U597	1000-U599

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T-handle IP 65		T-handle, housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key withgrip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U337	1000-U338	1000-U339
with earthing nut		1000-U340	1000-U341	1000-U342
30 mm	**20 mm**			
with nut		1000-U372	1000-U374	1000-U376
with earthing nut		1000-U373	1000-U375	1000-U377
40 mm	**30 mm**			
with nut		1000-U378	1000-U380	1000-U382
with earthing nut		1000-U379	1000-U381	1000-U383
50 mm	**40 mm**			
with nut		1000-U384	1000-U386	1000-U388
with earthing nut		1000-U385	1000-U387	1000-U389
60 mm	**50 mm**			
with nut		1000-U600	1000-U602	1000-U604
with earthing nut		1000-U601	1000-U603	1000-U605

T-handle IP 65		T-handke, housing, nut and screw AISI 316; with seal. Round cylinder stainless steel with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U664	1000-U10-PH	1000-U11-PH

T-handle IP 65		T-handle polyamide black; housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U546	1000-U548	1000-U550
with earthing nut		1000-U547	1000-U549	1000-U551
30 mm	**20 mm**			
with nut		1000-U552	1000-U554	1000-U556
with earthing nut		1000-U553	1000-U555	1000-U557
40 mm	**30 mm**			
with nut		1000-U558	1000-U560	1000-U562
with earthing nut		1000-U559	1000-U561	1000-U563
50 mm	**40 mm**			
with nut		1000-U564	1000-U566	1000-U568
with earthing nut		1000-U565	1000-U567	1000-U569
60 mm	**50 mm**			
with nut		1000-U606	1000-U608	1000-U610
with earthing nut		1000-U607	1000-U609	1000-U611

Further parts see page
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 8B-140

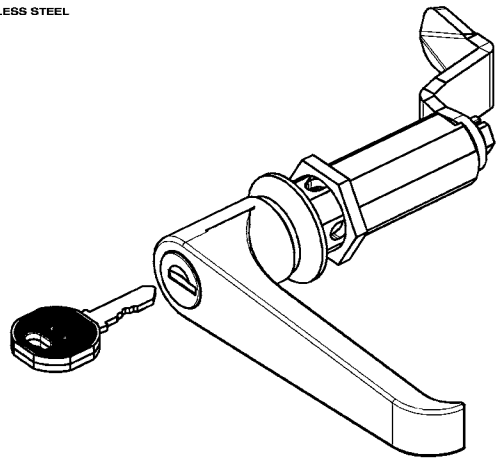
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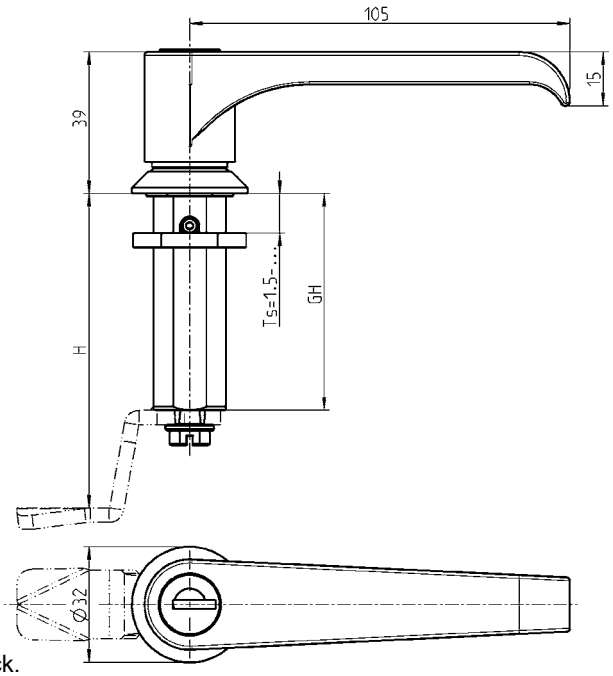
Items printed in gray without stock

L-handle quarter turn

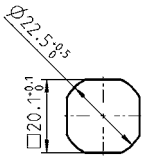
PROGRAM 1000

EDELSTAHL Rostfrei STAINLESS STEEL





Each round cylinder has one silver steel key with grip polyamide GF black.
Screw and nut m.s. zinc-plated.
Key removable in both positions.



Cut out

L-handle quarter turn,
prepared for KABA cylinder type 1036 with standard locking
and / or master key system on request.

L-handle **IP 65**	**L-handle, housing zinc die chrome-plated; with seal; nut, earthing nut and screw m.s. zinc-plated. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.**		
GH 18 mm / Ts 1.5 - 8 mm	**non locking**	**keyed EK 333**	**keyed different**
with nut	1000-U14	1000-U15	1000-U16
with earthing nut	1000-U57	1000-U58	1000-U59
30 mm / 20 mm			
with nut	1000-U98	1000-U100	1000-U102
with earthing nut	1000-U99	1000-U101	1000-U103
40 mm / 30 mm			
with nut	1000-U104	1000-U106	1000-U108
with earthing nut	1000-U105	1000-U107	1000-U109
50 mm / 40 mm			
with nut	1000-U110	1000-U112	1000-U114
with earthing nut	1000-U111	1000-U113	1000-U115
60 mm / 50 mm			
with nut	1000-U612	1000-U614	1000-U616
with earthing nut	1000-U613	1000-U615	1000-U617

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L-handle IP 65		L-handle, housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal. Round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U353	1000-U390	1000-U391
with earthing nut		1000-U392	1000-U393	1000-U394
30 mm	**20 mm**			
with nut		1000-U354	1000-U356	1000-U358
with earthing nut		1000-U355	1000-U357	1000-U359
40 mm	**30 mm**			
with nut		1000-U360	1000-U362	1000-U364
with earthing nut		1000-U361	1000-U363	1000-U365
50 mm	**40 mm**			
with nut		1000-U366	1000-U368	1000-U370
with earthing nut		1000-U367	1000-U369	1000-U371
60 mm	**50 mm**			
with nut		1000-U618	1000-U620	1000-U622
with earthing nut		1000-U619	1000-U621	1000-U623

L-handle IP 65		L-handle, housing, nut and screw AISI 316; with seal. Round cylinder stainless steel with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U658	1000-U15-PH	1000-U16-PH

L-handle IP 65		L-handle polyamide black; housing zinc die black powder-coated; nut, earthing nut and screw m.s. zinc-plated; with seal. Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black.		
GH 18 mm	**Ts 1.5 - 8 mm**	**non locking**	**keyed EK 333**	**keyed different**
with nut		1000-U570	1000-U572	1000-U574
with earthing nut		1000-U571	1000-U573	1000-U575
30 mm	**20 mm**			
with nut		1000-U576	1000-U578	1000-U580
with earthing nut		1000-U577	1000-U579	1000-U581
40 mm	**30 mm**			
with nut		1000-U582	1000-U584	1000-U586
with earthing nut		1000-U583	1000-U585	1000-U587
50 mm	**40 mm**			
with nut		1000-U588	1000-U590	1000-U592
with earthing nut		1000-U589	1000-U591	1000-U593
60 mm	**50 mm**			
with nut		1000-U624	1000-U626	1000-U628
with earthing nut		1000-U625	1000-U627	1000-U629



Further parts see page
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 8B-140

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EMKA® Beschlagteile

L-handle quarter turn

PROGRAM 1000



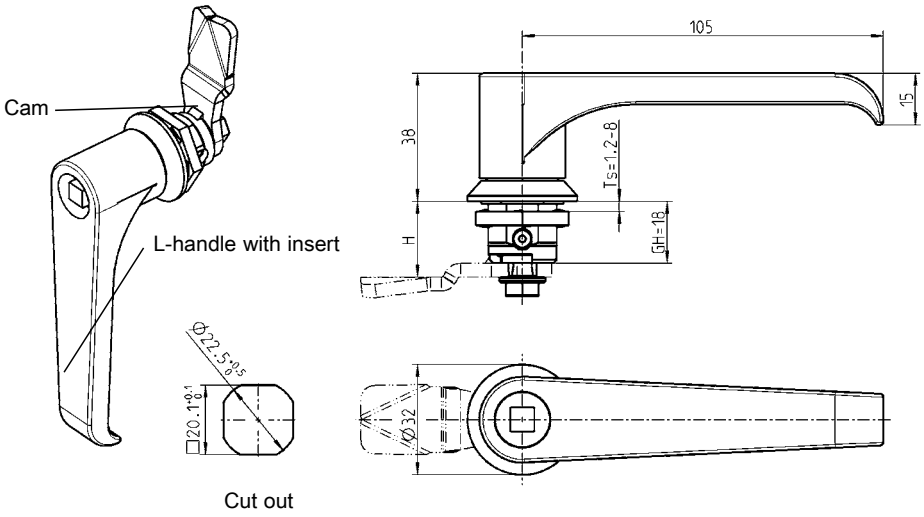
IP 65 on request!

Insert with spring-loaded return (two-hand operation)



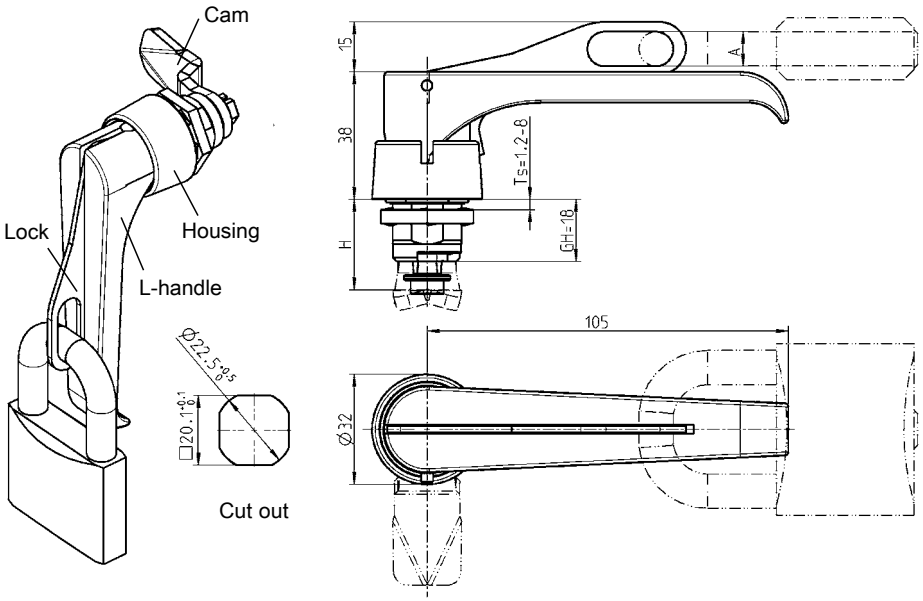
IP 65

Attention:
L-handle is locked when a padlock is fitted.



L-handle with housing and insert zinc die; earthing nut and screw m.s. zinc-plated; with seal

	chrome-plated	black powder-coated		chrome-plated	black powder-coated
Square 7	1000-U89	1000-U395	Double bit 5	1000-U94	1000-U400
Square 8	1000-U90	1000-U396	Daimler Benz	1000-U95	1000-U401
Triangular 6.5 CNOMO	1000-U423	1000-U422	Slot 2 x 4	1000-U434	1000-U435
			Slot 1.2 x 3	1000-U656	1000-U657
Triangular 7	1000-U91	1000-U397	Eastern Europe Ø 13 half-round	1000-U659	1000-U660
Triangular 8	1000-U92	1000-U398			
Double bit 3	1000-U93	1000-U399			



L-handle with housing zinc-die; lock and spring stainless steel; earthing nut and screw m.s. zinc-plated; with seal

	chrome-plated	black powder-coated		chrome-plated	black powder-coated
Dim. A = 7	1000-U501	1000-U502	Dim. A = 10	1000-U189	1000-U402

Further parts see page

– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340
– Escutcheon 3B-140
– Key 8B-120

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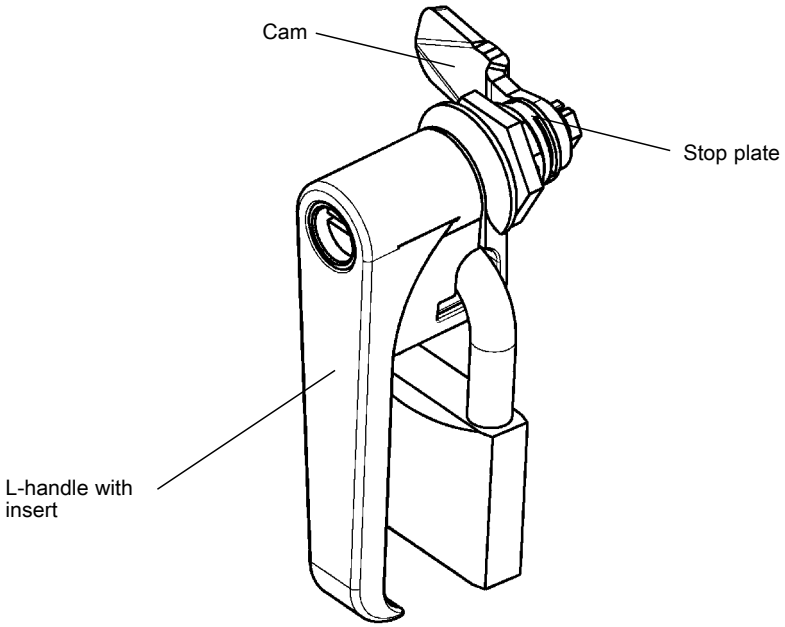
Items printed in gray without stock

L-handle quarter turn for padlock

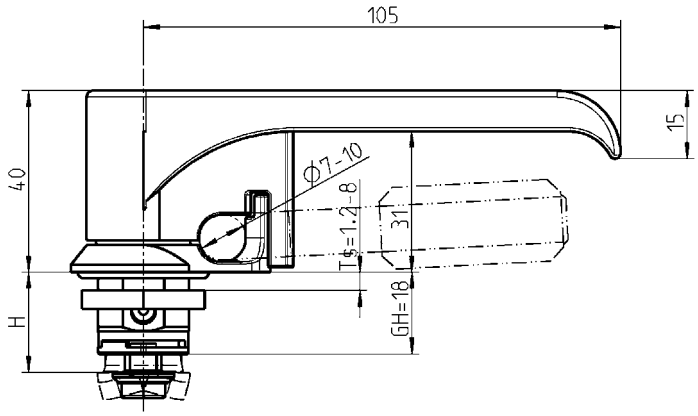
PROGRAM 1000

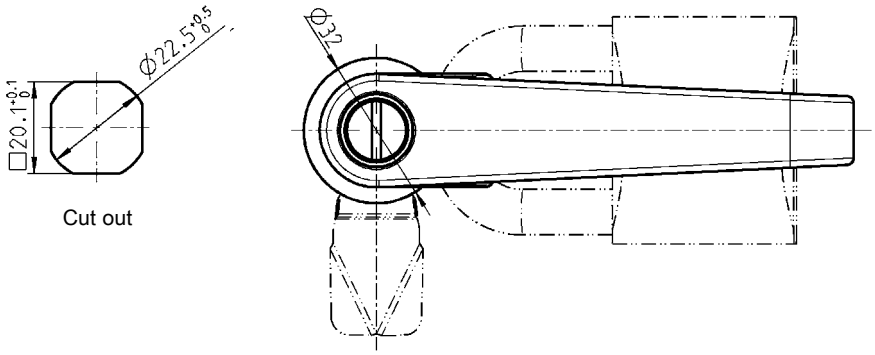
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Cut out

Insert is spring-loaded (2 hand operation)

Attention:
L-handle is locked when a padlock is fitted.

Further parts see page

– Cam without catch	1C-120
– Accessories	1C-360
	1C-380

Further inserts (e.g. see page 1B-620) on request!

L-handle with housing zinc die black powder-coated; stop plate zinc die right and left usable; nut and screw m.s. zinc-plated; with seal	
with insert slot 2 x 4 coinproof zinc die chrome-plated	1000-U770
without insert	1000-U771

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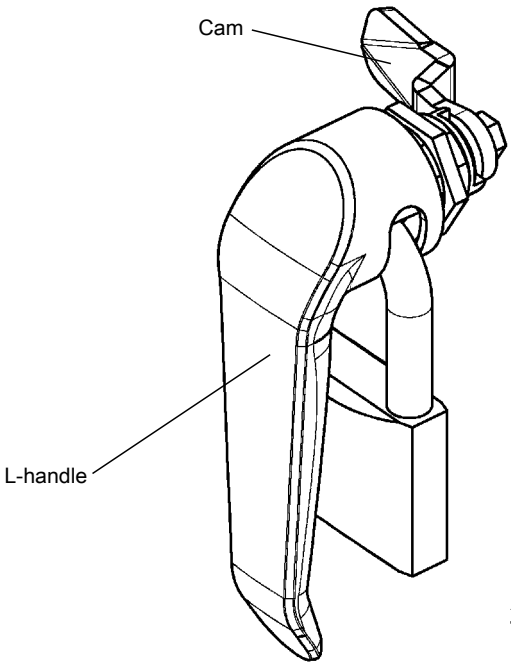
L-handle quarter turn for padlock

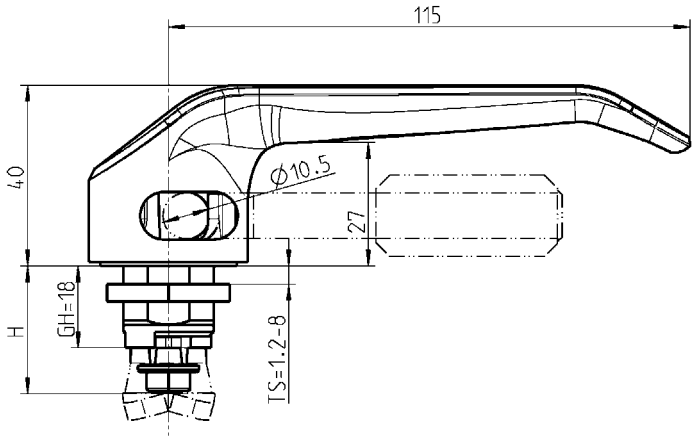
PROGRAM 1000

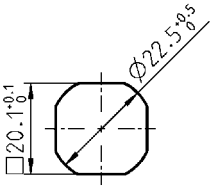


EDELSTAHL® Rostfrei STAINLESS STEEL

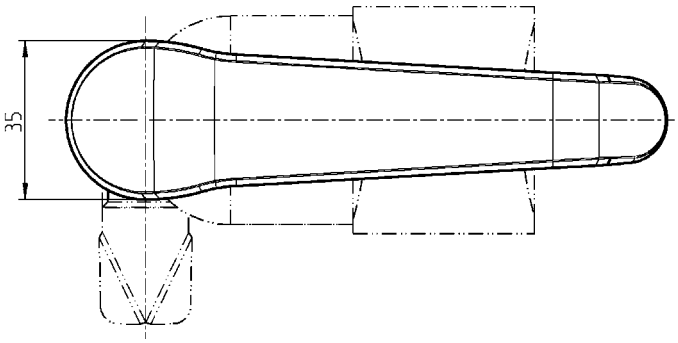








Cut out



Attention:
L-handle is locked when a padlock is fitted.

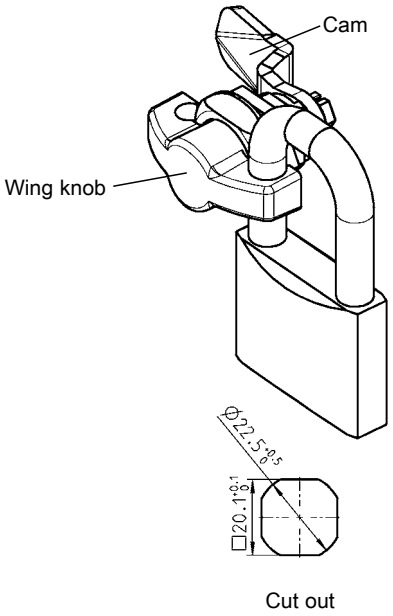
Further parts see page
– Cam with catch 1C-120

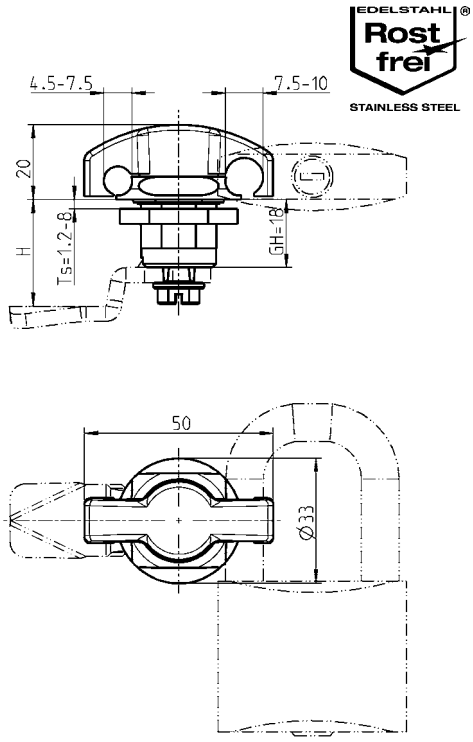
L-handle material of choice; nut and screw m.s. zinc-plated or stainless steel; with seal	
Zinc die black powder-coated	1000-U860-01AA
Zinc die chrome-plated	1000-U860-01IA
AISI 316	1000-U860

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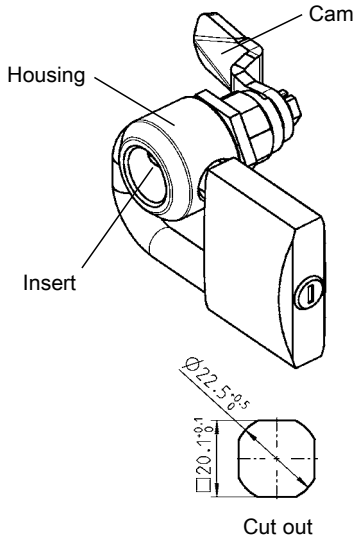
Quarter turn for padlock

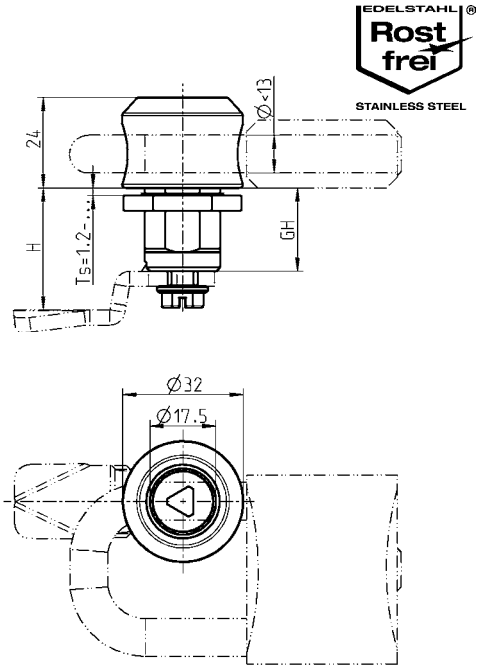
PROGRAM 1000



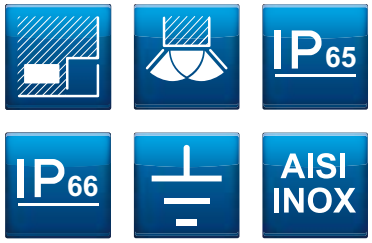


Wing knob and housing zinc die black powder-coated; nut and screw m.s. zinc-plated; with seal	
	1000-U429-01
Wing knob and housing AISI 316; nut and screw stainless steel; with seal.	
	1000-U429-01PH





GH	TS<	Housing zinc die black powder-coated; nut m.s. zinc-plated	Housing zinc die black powder-coated; earthing nut m.s. zinc-plated	Housing AISI 303; nut AISI 303
22	13	1000-U436	1000-U438	1000-U436-PF
32	23	1000-U437	1000-U439	-
42	33	1000-U734	1000-U735	-





IP 65

Attention:
The wing knob cannot be moved when the padlock with the corresponding shackle diameter is hooked in.

For shackle Ø 4.5 to 10

Further parts see page

– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340



For shackle ≤ Ø 13

Note:
Quarter turn assembly 1B-105

Further parts see page

– Insert 1B-140
– IP 65 or IP 66 1B-140
– Cam with catch 1C-120
– Accessories from 1C-340
– Escutcheon 3B-140
– Key 8B-120

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EMKA® Beschlagteile

L-handle quarter turn for padlock

PROGRAM 1000

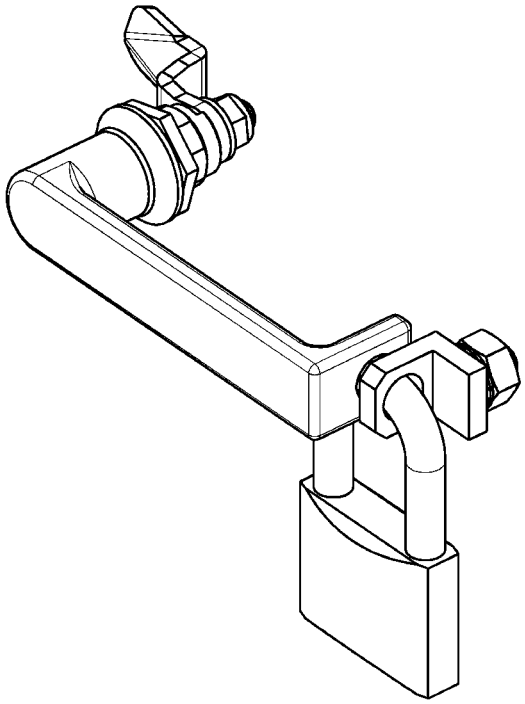
AISI INOX

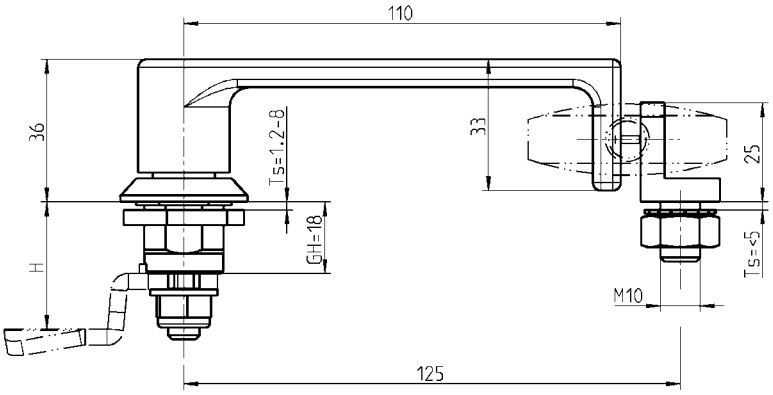
IP65

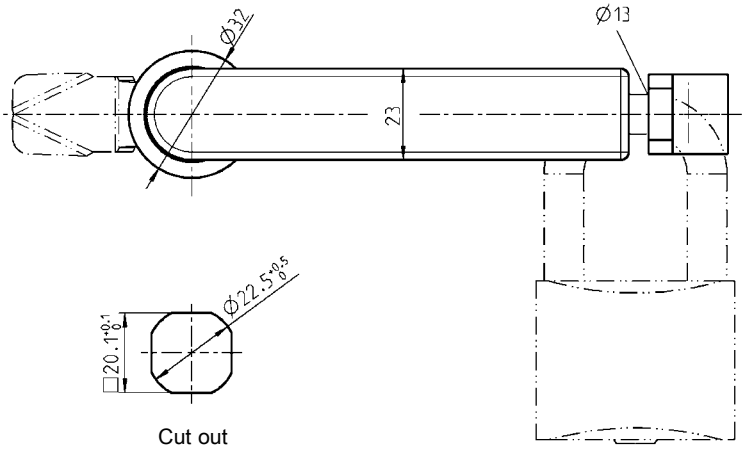
EDELSTAHL Rostfrei STAINLESS STEEL











Cut out

Handle, housing and angle material of choice; nut and washers m.s. zinc-plated or stainless steel; with seal	
Cast steel black powder-coated	1000-U857
AISI 316	1000-U842

Further parts see page
– Cam with catch 1C-120

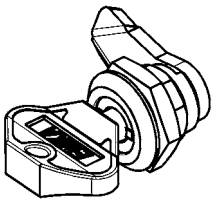
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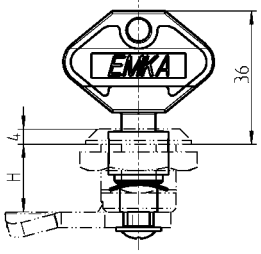
Items printed in gray without stock

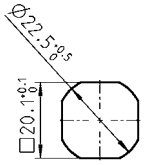
Clip-in key,
Wing knob for insert

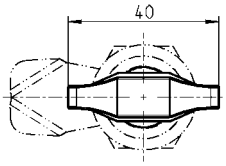
PROGRAM 1000

Clip-in key
Key can be used as handle









Cut out

The key clips into the insert with its clip-in arms and is captivated.
The key cannot be removed without destruction unless lock is disassembled.

Insert polyamide black; spring washer and self-cutting screw m.s. zinc-plated			
Double bit 3	1000-U745	Double bit 5	1000-U744
Key polyamide black			
Key double bit 3	1004-34-01	Key double bit 5	1004-33-01



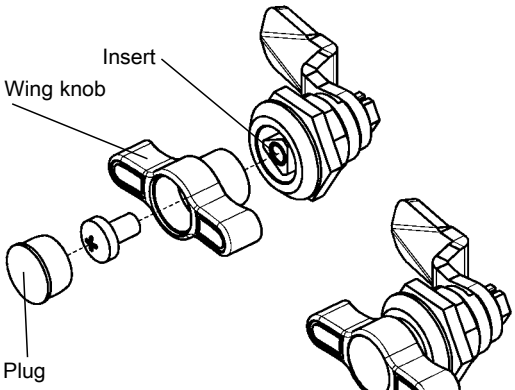


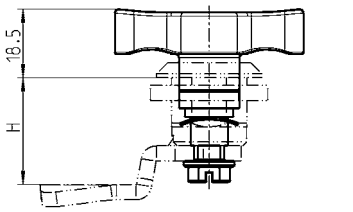


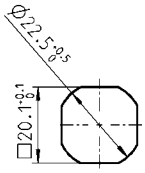
Key can be used as handle

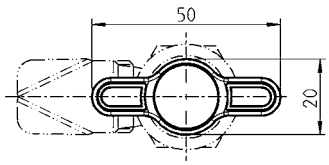
Further parts see page
– Housing and cam 1B-160

Wing knob for insert









Cut out



Note:
Quarter turn assembly 1B-105

Further parts see page
– Housing 1B-140, 1B-160
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-340

Wing knob polyamide GF black; plugs PE black; fixing material m.s. zinc-plated			
for square 8	1000-U764	for triangular 10	1000-U762
Insert with female thread M6 zinc die chrome-plated			
Square 8	1000-U765	Triangular 10	1000-U763

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Items printed in gray without stock

EMKA Beschlagteile

®Clip in quarter turn, Housing for quarter turn

PROGRAM 1000





IP 40

Characteristics:
Easy to install!

Easy to assemble by using clip fix plastic parts.

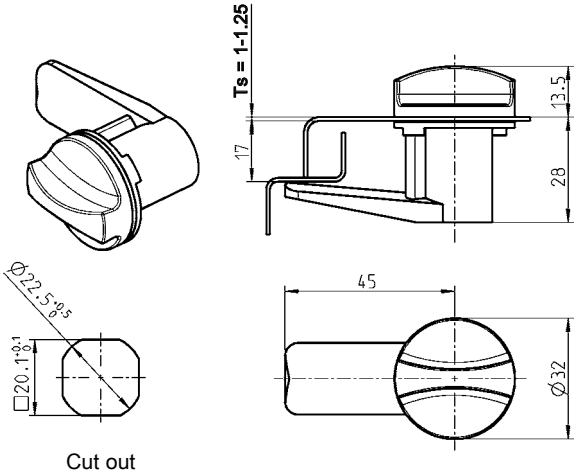


Attention:
GH reduced from 18 to 15

Note:
Quarter turn assembly 1B-105

Further parts see page
– Insert 1B-140
– Cam with catch 1C-120
(GH = 18)
Attention: With this cam, the H-dimension is reduced by 3 mm.
– Key 8B-120

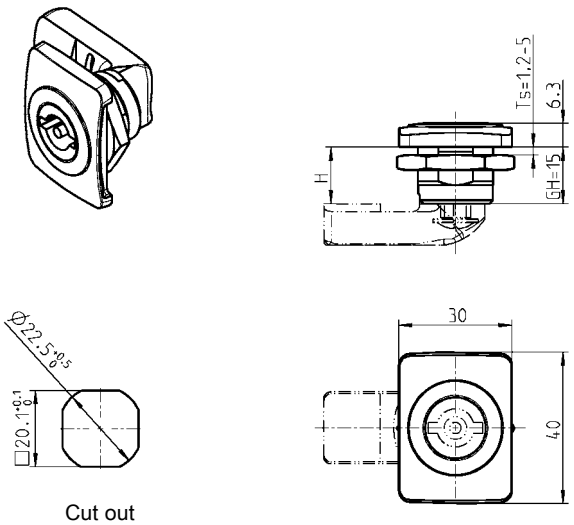
Clip-in quarter turn



Cut out

Clip-in quarter turn polyamide GF, RH / LH version	
black	1000-U349
grey RAL 7032	1000-U350

Housing for quarter turns



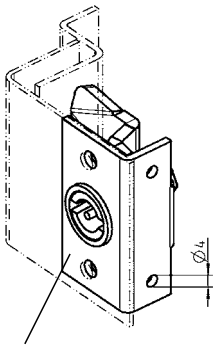
Cut out

Housing polyamide GF black; nut m.s. zinc-plated	
Right-hand version	1000-U740
Left-hand version	1000-U740-01
IP 65 achieved by:	
Flat seal	1000-23
O-ring	1000-24
IP 66 achieved by:	
Seal set	1000-U769

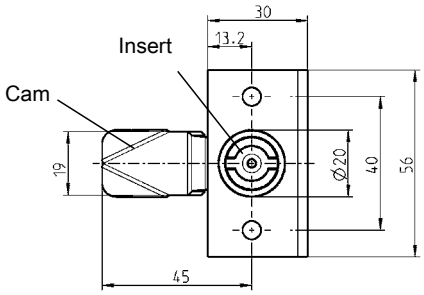
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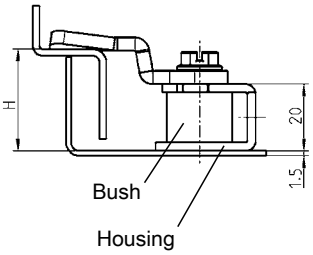
Quarter turn, screw-on or weld-on

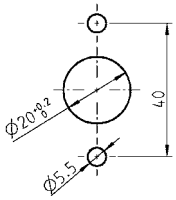
PROGRAM 1000



Bush with flush housing
available on request







Cut out
Bore holes Ø 5.5
are omitted when
welding on



Cam m.s. zinc-plated Dim. H	
6	1000-112
8	1000-22
10	1000-113
12	1000-21
15	1000-20
16	1000-19
18	1000-18
20	1000-17
22	1000-16
24	1000-15
26	1000-14
27	1000-27
28	1000-50
30	1000-13
32	1000-28
34	1000-26
36	1000-12
37	1000-11
38	1000-51
40	1000-52
42	1000-25
44	1000-53
46	1000-54
49	1000-55
52	1000-56

Housing m.s. raw; bush zinc die zinc-plated	
Right-hand version as drawn	1057-U1
Left-hand version	1057-U2
Housing also available zinc-plated on request.	

Further parts see page
– Insert 1B-140
– Key 8B-120

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EMKA® Beschlagteile

Stainless steel quarter turn for hygienic areas

PROGRAM 1000

IP69k

DIN EN 1672-2

DIN EN ISO 14159

AISI INOX

EDELSTAHL Rostfrei STAINLESS STEEL

Quarter turn for hygienic areas for food and medical sector

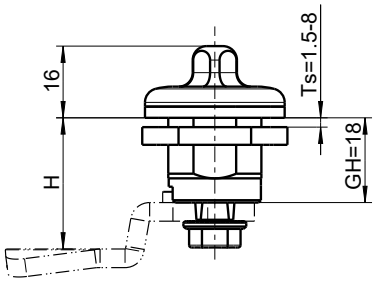
St. steel quarter turn for hygienic areas with flat seal flush on the outside

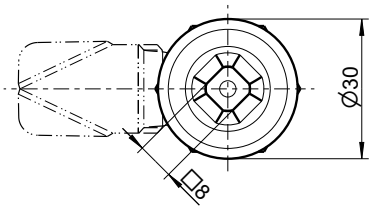


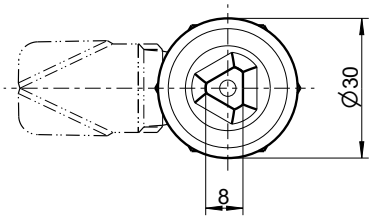


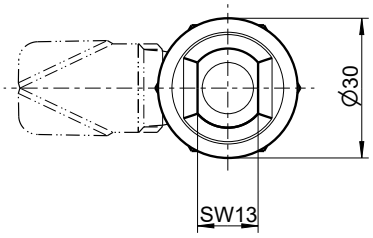


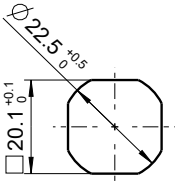












Cut out

DGUV Test
NV 19259
Hygiene geprüft
hygiene tested
dguv.de/pruefzeichen

CERTIFIED EHEDG TYPE EL CLASS I AUX JUNE 2020

Note:
The quarter turns for hygienic areas meet the hygiene requirement acc. to DIN EN 1672-2, DIN EN 14159 and EHEDG Dok.8.

The seals meet the requirements of the FDA 21 CFR 177.2600 and VO 1935/2004.

Further parts see page
– Cam with catch (GH = 18) 1C-120

Quarter turn for hygienic areas AISI 303 or 316L; with seal AISI 303 - for food sector AISI 316L - for food and medical sector	
Square 8, AISI 303	1000-U960-01PF
Square 8, AISI 316L	1000-U960-01
Triangular 8, AISI 303	1000-U941-01PF
Triangular 8, AISI 316L	1000-U941-01
Hygiene SW 13, AISI 303	1000-U838-02PF
Hygiene SW 13, AISI 316L	1000-U838-02
Key handle polyamide blue	
Square 8	1004-62
Triangular 8	1004-61
Hygiene SW 13	1004-60
Key zinc die raw	
Hygiene SW 13	1004-53

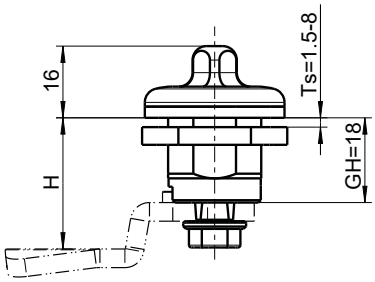
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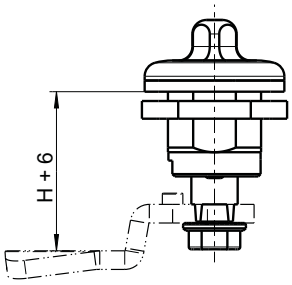
Stainless steel compression latch for hygienic areas

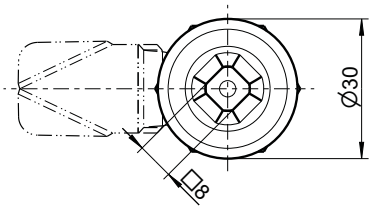
PROGRAM 1000

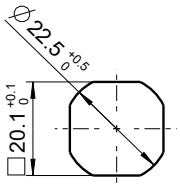
Compression latch for hygienic areas for food and medical sector

St. steel compression latch for hygienic areas with flat seal flush on the outside

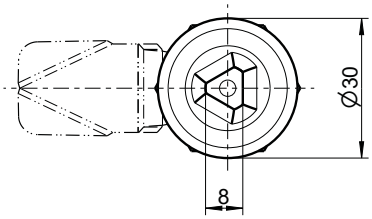


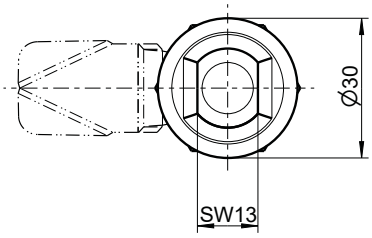






Cut out

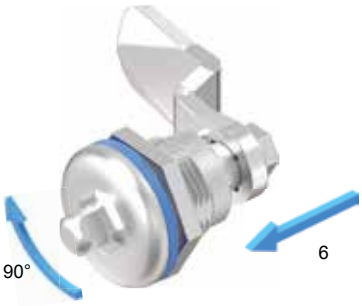




Compression latch for hygienic areas AISI 303 or 316L; with seal AISI 303 - for food sector AISI 316L - for food and medical sector	
Square 8, AISI 303	on request
Square 8, AISI 316L	1000-U963
Triangular 8, AISI 303	on request
Triangular 8, AISI 316L	1000-U962
Hygiene SW 13, AISI 303	on request
Hygiene SW 13, AISI 316L	1000-U961
Key handle polyamide black	
Square 8	1004-62
Triangular 8	1004-61
Hygiene SW 13	1004-60
Key zinc die raw	
Hygiene SW 13	1004-53



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

Note:
The compression latches for hygienic areas meet the hygiene requirement acc. to DIN EN 1672-2, DIN EN 14159 and EHEDG Dok.8.

The seals meet the requirements of the FDA 21 CFR 177.2600 and VO 1935/2004.

Further parts see page
– Cam with catch (GH = 18) 1C-120

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EMKA Beschlagteile

®Stainless steel compression latch for hygienic areas

PROGRAM 1000

EDELSTAHL® Rostfrei STAINLESS STEEL

The compression latch for hygienic areas meets the hygiene requirement acc. to DIN EN 1672-2 and DIN EN 14159.

This item is completely IP69K, not only from outside to inside (common standard), but also within the application.

Tamper and vibration-proof
The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.



Open condition
Turning the insert 90° causes the cam to rotate.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

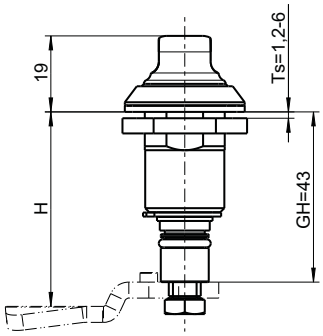


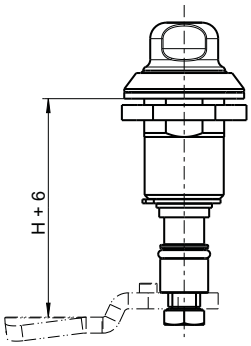
1000-U861
Hygiene version for outside and inside the cabinet

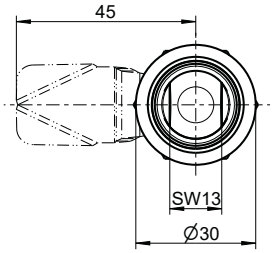


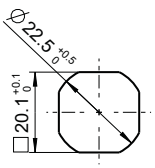


1000-U862
Hygiene version for outside the cabinet, not for inside









Cut out

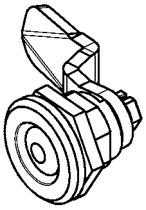
Compression latch for hygienic areas AISI 316L; with spring and seal	
Hygiene version for outside and inside the cabinet	on request
Hygiene version for outside the cabinet, not for inside	1000-U862
Key zinc die raw	
	1004-53

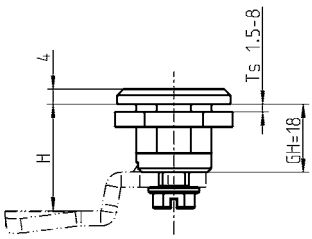
Further parts see page
– Cam with or without catch 1C-120

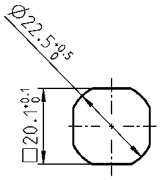
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Quarter turn
PROGRAM 1000

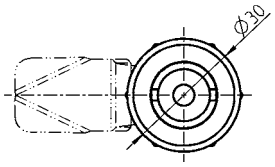
Quarter turn for Swedish power companies
EBR standard







Cut out



Housing with insert zinc die chrome-plated; screw and nut m.s. zinc-plated	
	1000-U768
IP 65 achieved by:	
Flat seal	1000-23
O-ring	1000-24
IP 66 achieved by:	
Seal set	1000-U769
Assembly on request	
without O-ring	1000-990
with O-ring	1000-991

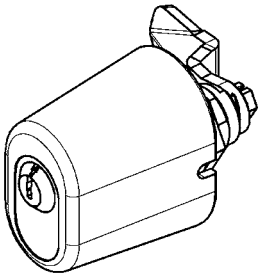
IP65

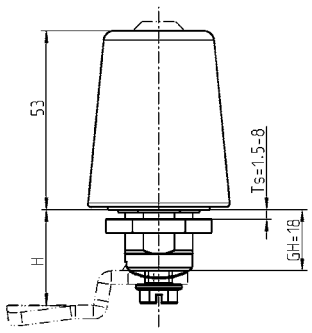
IP66

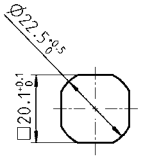


Further parts see page
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-170

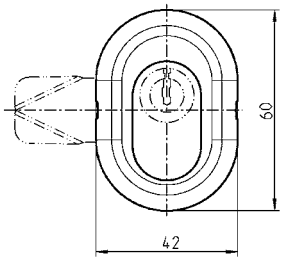
Wing knob quarter turn for ASSA cylinder







Cut out



ASSA cylinder provided by customer!



Further parts see page
– Cam with catch 1C-120 to 1C-180

Handle Polyamide black; housing zinc die zinc-plated; screws and nut m.s. zinc-plated; with seal	
	1000-U653

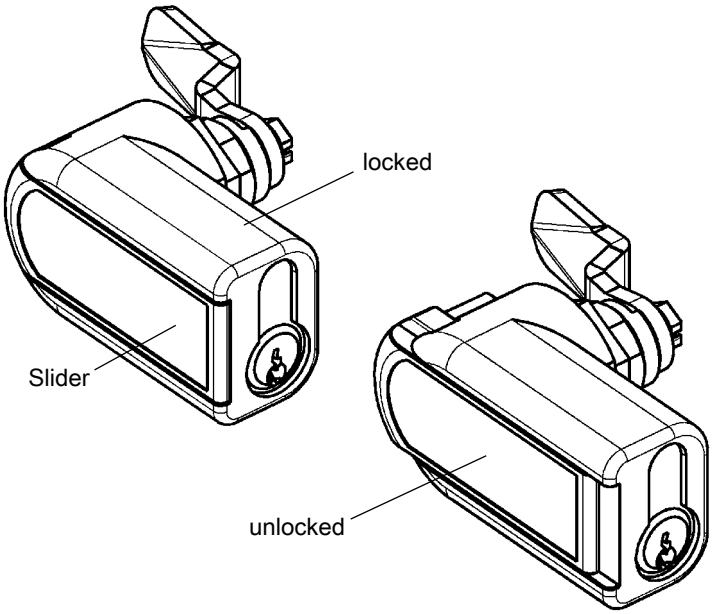
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EMKA® Beschlagteile

Quarter turn for profile half cylinder

PROGRAM 1000

Tamper and vibration-proof with profile half cylinder acc. to DIN 18252 (EN1303)

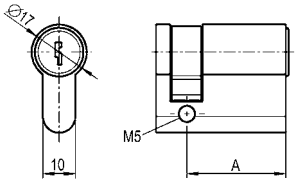


Locking process with EMKA profile half cylinder
Locking possible without key.

Locking process with profile half cylinder according to DIN 18252
Locking only possible with key.

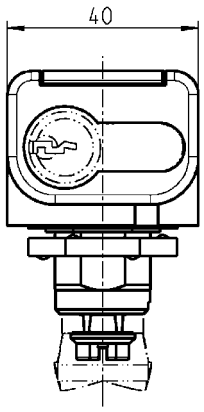


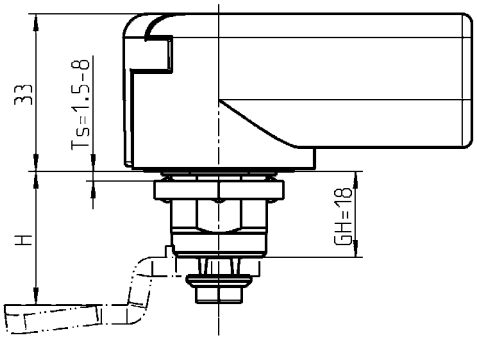


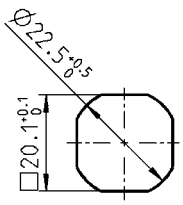


Profile half cylinder acc.
to DIN 18252 (EN 1303)
Dim. A = 30 corresponds
to the total length 40

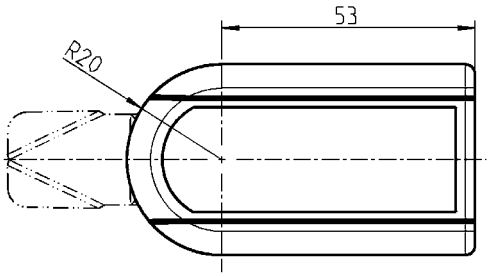
The locking cam has to be
between 3 and 5 o'clock locking
position.







Cut out



Further parts see page
– Cam with catch 1C-120
– Profile half cylinder 3XB-120
(Attention: the use of push button profile half cylinder and blind plug is not possible)

**Housing zinc die; handle polyamide GF black;
earthnut and screws m.s. zinc-plated;
with spring and seal**

1000-U837

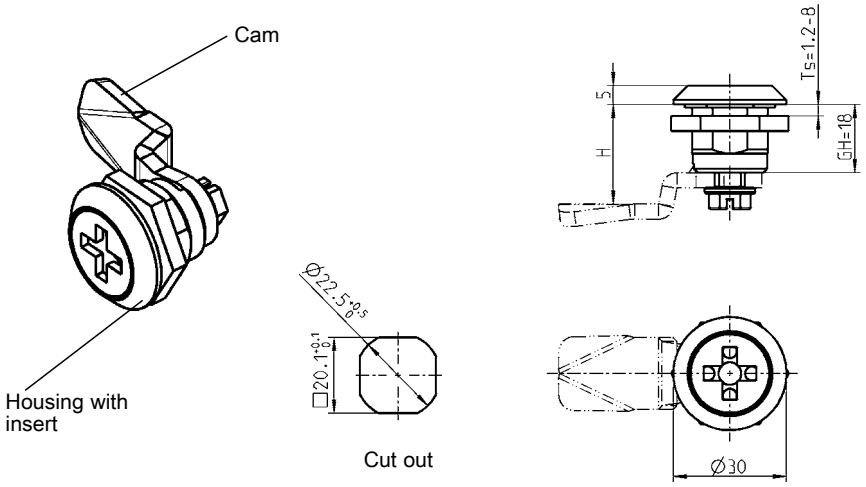
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FIAT and Railway quarter turn

PROGRAM 1000

EMKA Beschlagteile

FIAT

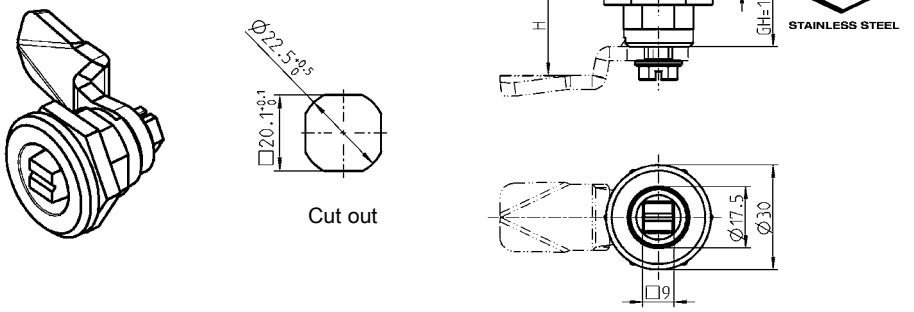




Housing* with insert zinc die chrome-plated; screw, nut or earthing nur m.s. zinc-plated; with seal		
	Nut	**Earthing nut**
	1000-U426	1000-U427

* = IP 65

Railway





Housing zinc die surface of choice; screw, nut or earthing nut m.s. zinc-plated; insert material and surface of choice		
Insert m.s. zinc-plated	**Nut**	**Earthing nut**
Housing chrome-plated	1000-U431	1000-U499
Housing black powder-coated	1000-U432	1000-U500
Insert zinc die chrome-plated	**Nut**	**Earthing nut**
Housing chrome-plated	1000-U431-01	–
Housing with insert, screw and nut AISI 303		
	1000-U431-PF	–
IP 65 achieved by		
Flat seal		1000-23
O-ring		1000-24
IP 66 achieved by:		
Seal set		1000-U769
Assembly on request		
without O-ring		1000-990
with O-ring		1000-991

Note:
Quarter turn assembly 1B-105

Further parts see page
– Cam with catch 1C-120 to 1C-180
– Accessories from 1C-170
– Escutcheon 3B-140
– Key 8B-120

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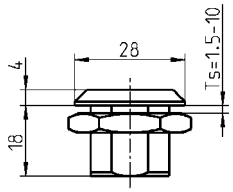
Notes:

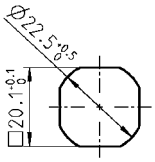
Blind plug

PROGRAM 1000

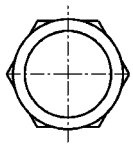
IP 50 IP 65

Version A: Nut fixing





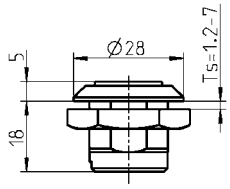
Cut out

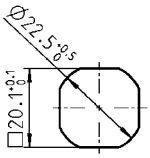




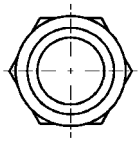
Version A

Version B: Nut fixing





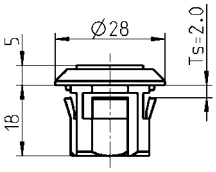
Cut out

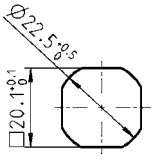




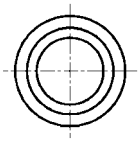
Version B

Version C: Clip-in fixing





Cut out





Version C

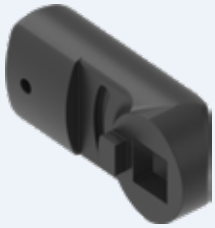
Version A: Housing zinc die surface of choice; nut m.s. zinc-plated	
black powder-coated	1000-U933
chrome-plated	1000-U934
Version B: Housing and nut polyamide GF black; plug polyethylene black	
	1000-U936
Version C: Housing polyamide GF black; plug polyethylene black; with O-ring	
IP 50	1000-U935
Version A and B: IP 65 is achieved by	
Flat seal	1000-23

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Quarter turn accessories
Large version
Program 1000

1 

1 

1 

2 

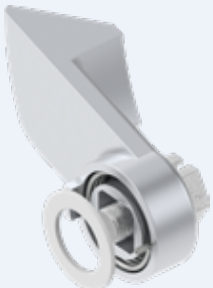
3 

4 

5 

6 

6 

7 

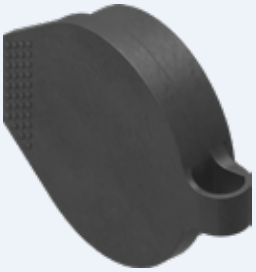
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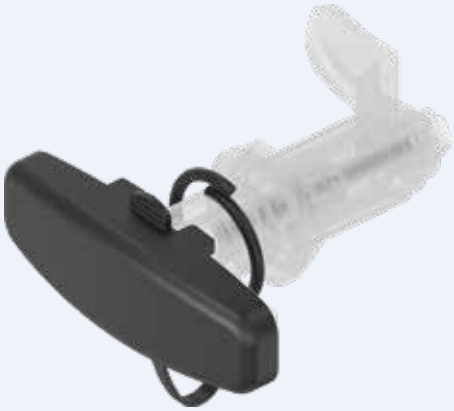
9



10



11



11

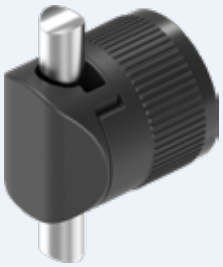


12



13

15



14

15



14

1	Cam with or without catch	1C-120, 1C-137
2	Rod control for steel cam and stainless steel cam	1C-120
3	Cam with rod control	1C-120
4	Rod control	1C-120
5	Ramp	1C-170
6	Hooked cam	1C-160
7	Slam cam	1C-180
8	Hook lever lock	1C-180
9	Inside handle for cam	1C-170
10	Finger pull	1C-320
11	Dust cap	1C-320, 1C-340
12	Anti-rotation device	1C-360
13	Dish for quarter turn	1C-380
14	Rod	1C-620
15	Rod guide	1C-630, 1C-640

Cam with catch,
Cam without catch

PROGRAM 1000

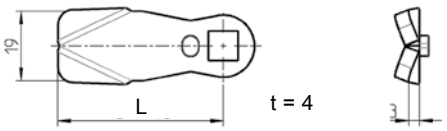


Cam with catch

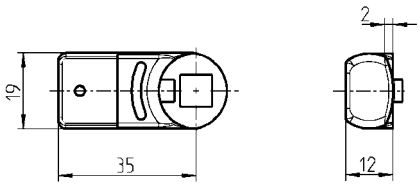


Cam without catch
on request

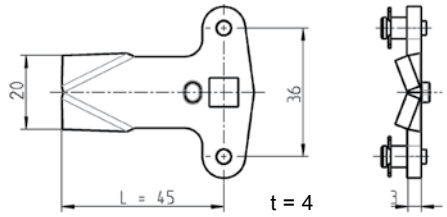
Version 1
Cam



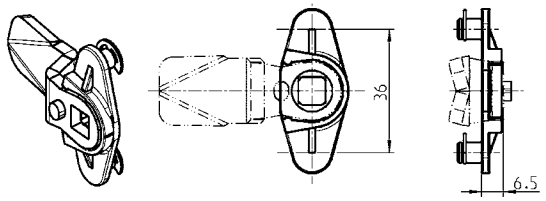
Version 2
Cam



***Version 3**
Cam with rod control (flank cam)

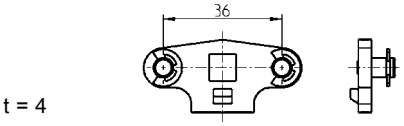


***Version 4**
Rod control for steel cam or stainless steel cam

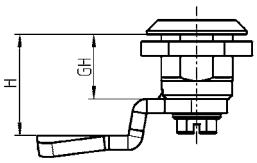


Rod control zinc die zinc-plated, circlip m.s. zinc-plated	
	1000-U776
Rod control AISI 316, circlip stainless steel	
	1000-U776-PH

***Version 5**
Rod control



Rod control m.s. zinc-plated	
	1000-U167



minus offset

straight version

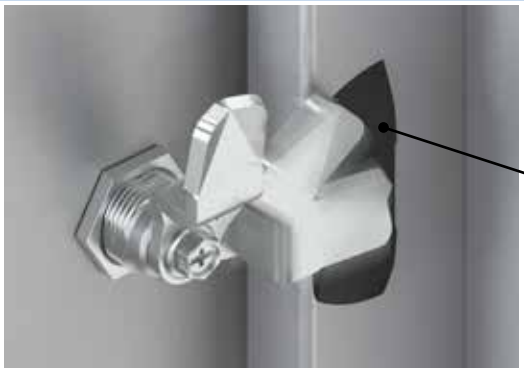
plus offset

Cam with catch, material of choice

H-dimensions for GH =														Version 1	
18	22	28	30	31	32	36	39	40	42	43	45	50	60	L = 45 m.s. zinc-plated	L = 45 AISI 304
4	8	14	16	17	18	22	25	26	28	29	31	36	46	1000-112	-
6	10	16	18	19	20	24	27	28	30	31	33	38	48	1000-22	1000-221
8	12	18	20	21	22	26	29	30	32	33	35	40	50	1000-113	-
10	14	20	22	23	24	28	31	32	34	35	37	42	52	1000-21	1000-223
13	17	23	25	26	27	31	34	35	37	38	40	45	55	1000-20	-
14	18	24	26	27	28	32	35	36	38	39	41	46	56	1000-19	1000-225
15	19	25	27	28	29	33	36	37	39	40	42	47	57	-	-
16	20	26	28	29	30	34	37	38	40	41	43	48	58	1000-18	-
18	22	28	30	31	32	36	39	40	42	43	45	50	60	1000-17	1000-227
20	24	30	32	33	34	38	41	42	44	45	47	52	62	1000-16	1000-228
22	26	32	34	35	36	40	43	44	46	47	49	54	64	1000-15	1000-179
24	28	34	36	37	38	42	45	46	48	49	51	56	66	1000-14	1000-229
25	29	35	37	38	39	43	46	47	49	50	52	57	67	1000-27	-
26	30	36	38	39	40	44	47	48	50	51	53	58	68	1000-50	1000-230
28	32	38	40	41	42	46	49	50	52	53	55	60	70	1000-13	1000-180
30	34	40	42	43	44	48	51	52	54	55	57	62	72	1000-28	1000-232
32	36	42	44	45	46	50	53	54	56	57	59	64	74	1000-26	-
34	38	44	46	46	48	52	55	56	58	59	61	66	76	1000-12	-
35	39	45	47	48	49	53	56	57	59	60	62	67	77	1000-11	-
36	40	46	48	49	50	54	57	58	60	61	63	68	78	1000-51	-
38	42	48	50	51	52	56	59	60	62	63	65	70	80	1000-52	-
40	44	50	52	53	54	58	61	62	64	65	67	72	82	1000-25	-
42	46	52	54	55	56	60	63	64	66	67	69	74	84	1000-53	-
44	48	54	56	57	58	62	65	66	68	69	71	76	86	1000-54	-
45	49	55	57	58	59	63	66	67	69	70	72	77	87	1000-10	-
47	51	57	59	60	61	65	68	69	71	72	74	79	89	1000-55	-
50	54	60	62	63	64	68	71	72	74	75	78	82	92	1000-56	-

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* When using cams for rod operation you must be aware that the rods travel in an axial direction.



The ramp increases the compression by 4 mm.
see catalogue page 1C-170

EDELSTAHL® Rost frei STAINLESS STEEL





Note:

This catalogue page does not show all available cams.
Other versions such as:
– Cams without catch
– Cams with other H- and L-dimension
– Cams with recess in the opposite direction
– etc.
please ask.

Version 1	Version 1		Version 2	Version 3	
L = 45 AISI 316	L = 35 m.s. zinc-plated	L = 35 ① Polyamide GF black	Polyamide GF black	m.s. zinc-plated	AISI 304
-	-	-	-	1000-U63	-
1000-221-PD	-	-	-	1000-U21	-
-	-	-	-	1000-U64	-
1000-223-PD	-	-	-	1000-U22	-
-	-	-	-	1000-U23	-
1000-225-PD	-	-	-	1000-U24	-
-	-	1000-5043-SI	-	-	-
-	-	-	-	1000-U25	-
1000-227-PD	1000-5046	1000-5046-SI	1000-386-18	1000-U26	-
1000-228-PD	1000-5161	-	1000-386-20	1000-U27	-
1000-179-PD	1000-5119	-	1000-386-22	1000-U28	-
1000-229-PD	-	-	1000-386-24	1000-U29	1000-U139
-	-	-	-	1000-U30	-
1000-230-PD	-	-	-	1000-U31	-
1000-180-PD	1000-5164	-	1000-386-28	1000-U32	1000-U140
-	-	-	1000-386-30	1000-U33	-
-	-	-	-	1000-U34	-
-	-	-	-	1000-U35	-
-	-	-	-	1000-U36	-
-	-	-	-	1000-U37	-
-	-	-	-	1000-U38	-
-	-	-	-	1000-U39	-
-	-	-	-	1000-U40	-
-	-	-	-	1000-U41	-
-	-	-	-	1000-U42	-
-	-	-	-	1000-U43	-
-	-	-	-	1000-U44	-

① only for light doors and flaps

Note:
The H-dimension of the cam increases by 4 mm when using the ramp (see page 1C-170)

The H-dimension will be reduced by 2 mm when used with the finger pull (see page 1C-320)

Further parts see page

– Ramp 1C-170
– Rod 1C-620
– Quarter turn 1B-120
1B-140
for quick mounting 1B-180
1B-220
1B-230
1B-320
to 1B-335
1B-360
to 1B-760
1B-835
to 1B-860
– Inside handle 1C-170
– Swinghandle 1152 with compression 3C-540
– Swinghandle 3N-120

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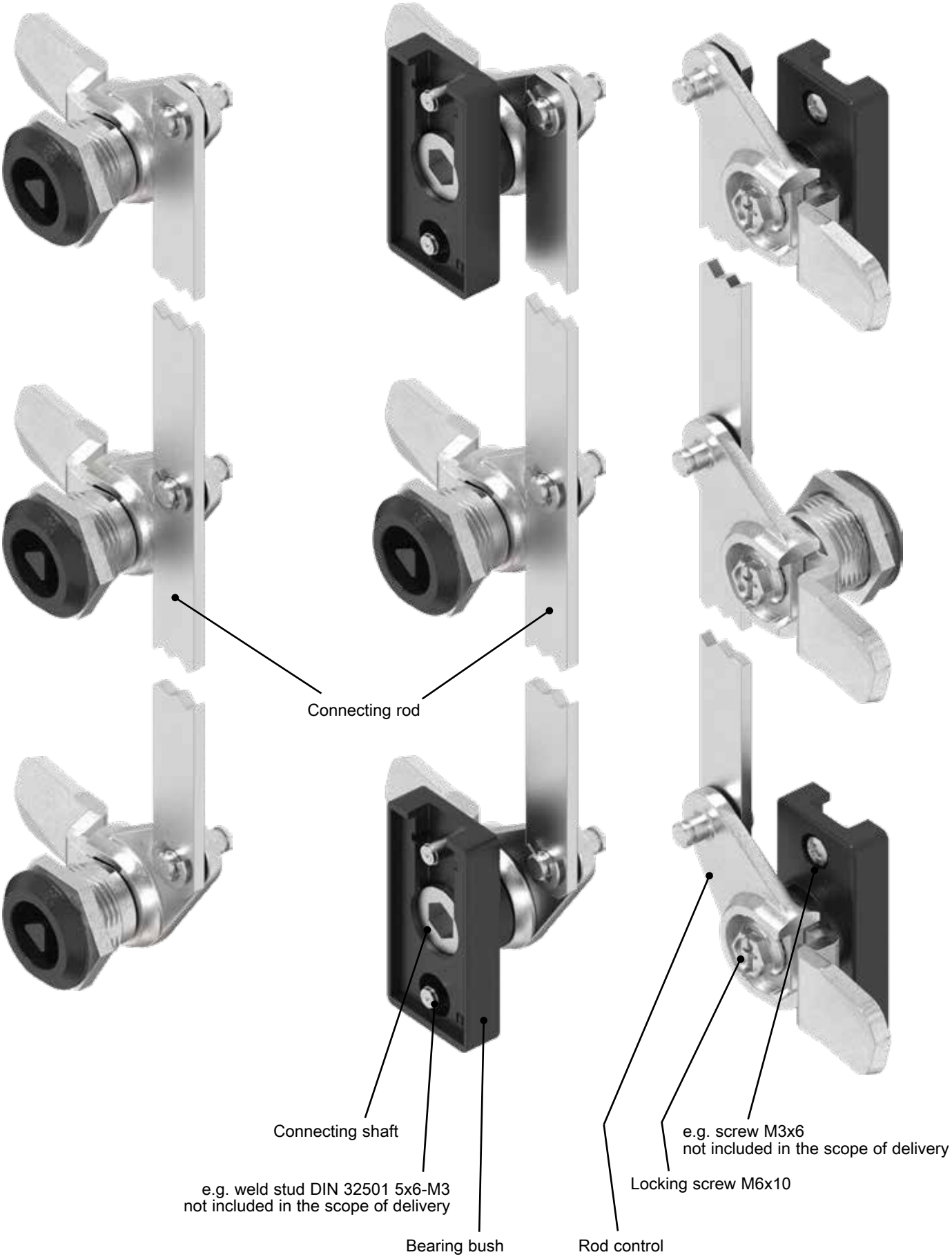
Items printed in gray without stock

Rod control for multiple interlocking

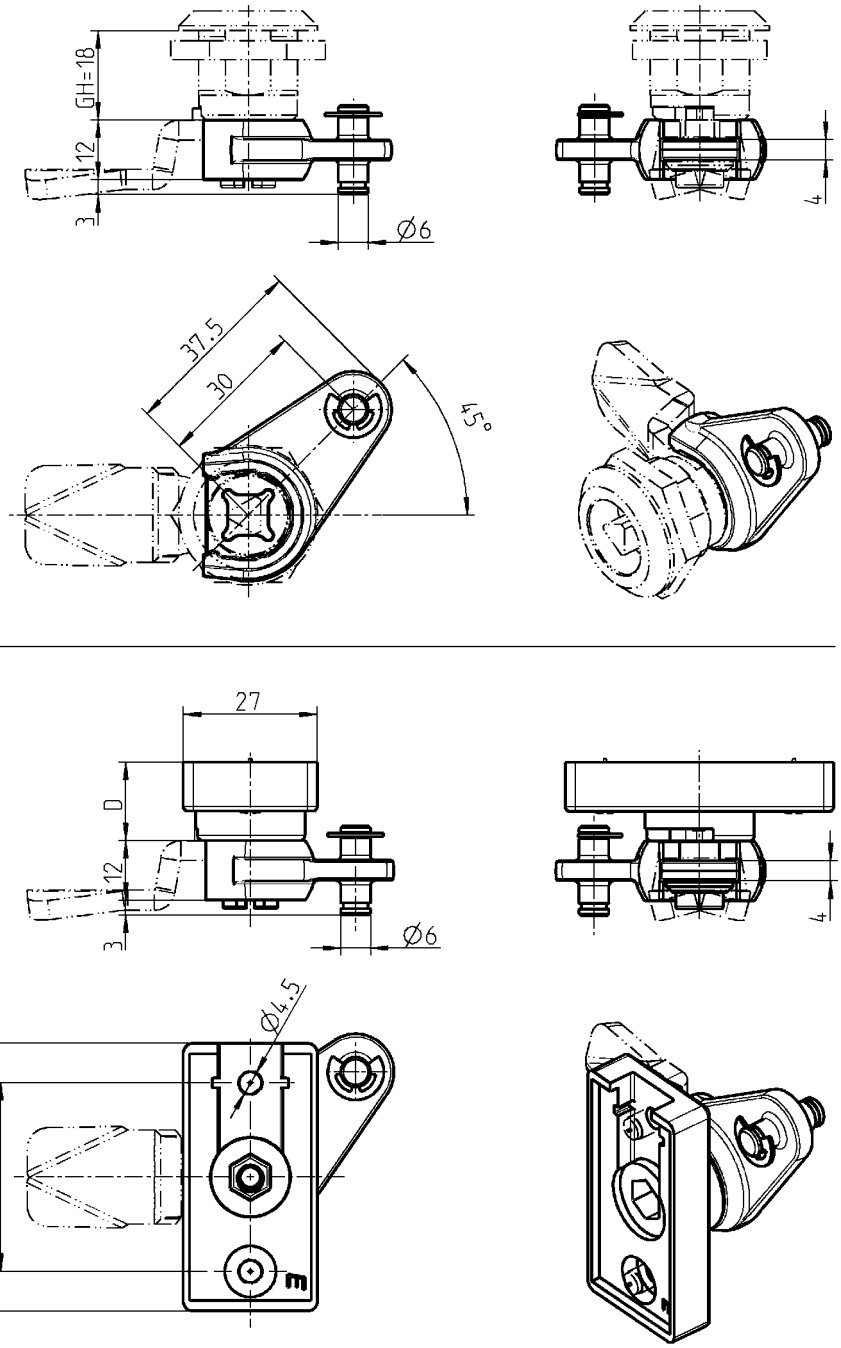
PROGRAM 1000

Example with three quarter turns

Example with one quarter turn and two bearing bushes



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Note:
When using the rod control for multi-point locking, the screw-in depth of the screw is reduced by 4 mm

Further parts see page

– Cam (version 1)	1C-120
– Quarter turn	1B-120
(only for GH =18)	1B-140
	1B-330
	1B-332
(only 1x lockable)	1B-520
(only 1x lockable)	1B-540
(only 1x lockable)	1B-560
(only 1x lockable)	1B-580
(bottom)	1B-720
(not with bearing bush)	1B-820
(bottom only 1x)	1B-840
(only 1x)	1B-850
(bottom)	1B-860

Rod control zinc die, zinc-plated or AISI 316; circlip m.s. zinc plated or stainless steel			
Zinc die zinc-plated			1000-U874
AISI 316			1000-U874-VA
Bearing bush polyamide GF black			
for Ts	**Dim. D**	**with stopper left**	**with stopper right**
1.5	16.5	1125-83-015	1125-84-015
2.0	16.0	1125-83-020	1125-84-020
Connecting shaft zinc-die			
			1000-556-KA
Locking screw M6x10 for connecting shaft m.s. zinc-plated			
			1000-277-01JB
Connecting rod m.s. zinc-plated			
Length, number of bore holes and spacing according to customer specifications			on request

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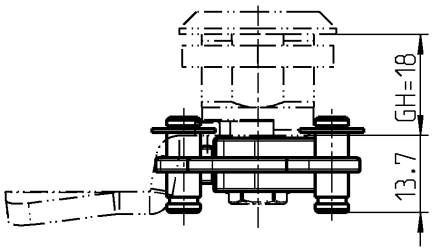
Items printed in gray without stock

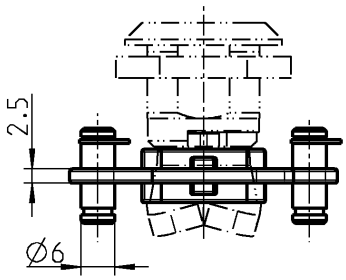
EMKA® Beschlagteile

Rod control for cam

PROGRAM 1000

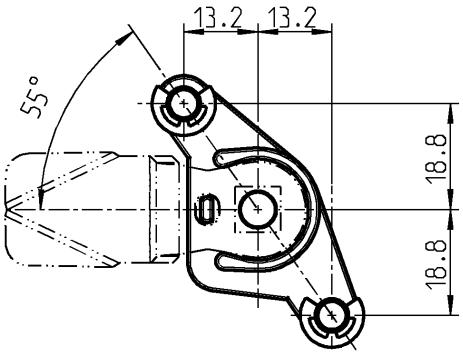
Only cams with stopper made of steel and stainless steel can be used.

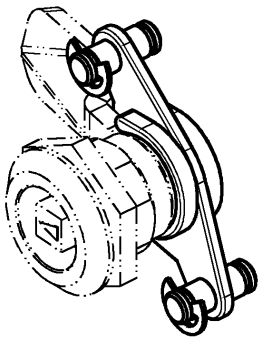






Stroke 32 mm





Attention:
Only cams with stopper made of steel and stainless steel can be used.

Note:
When using the rod control for cam, the screw-in depth of the screw is reduced by 2.5 mm

Further parts see page

– Cam (version 1)	1C-120
– Ramp	1C-170
– Quarter turn	1B-120
	1B-140
	1B-320
	1B-335
	1B-360
	1B-520
to	1B-690
(bottom)	1B-720
	1B-820
	1B-840
	1B-850
	1B-860
– Rod	3ZB-420

Attention: The rod length is reduced by 5.8 mm, as the stroke is 32 mm



Rod control in open position

Rod control zinc die zinc-plated, circlip m.s. zinc-plated

1150-U63

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Slide shoe for cam

PROGRAM 1000

For cams made of steel and stainless steel

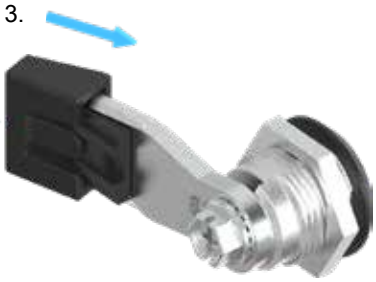
1.



2.

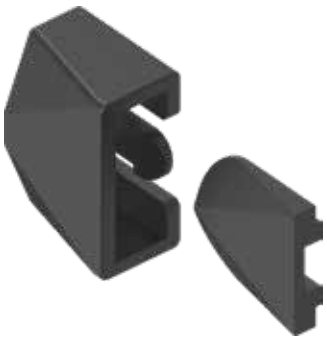


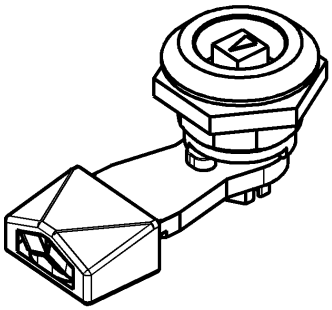
3.

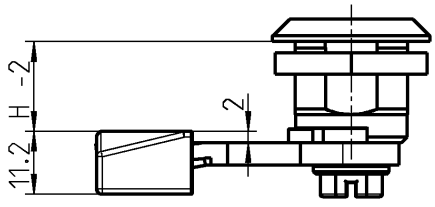


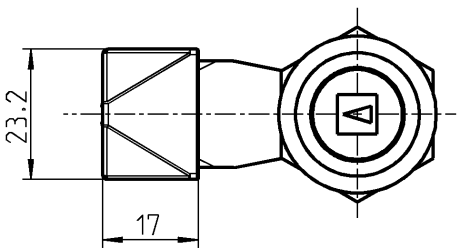
4.











Note:
For cams made of steel and stainless steel

If the guiding shoe for the cam is used, the H-dimension is reduced by 2 mm

Further parts see page
– Cam (version 1) 1C-120

Slide shoe POM black
1000-U892

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EMKA Beschlagteile

®Cam m.s. for compression latch with GH = 31, 45 and 64

PROGRAM 1000



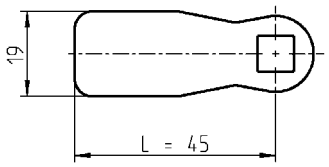


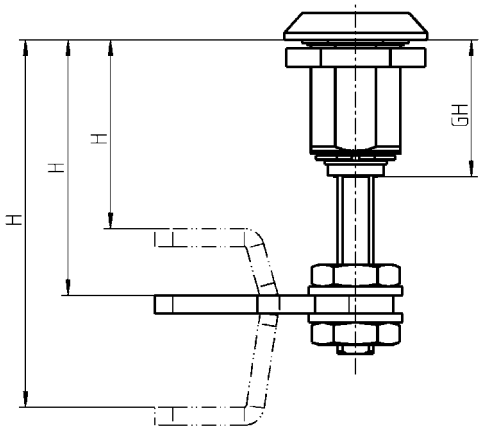
straight cam



cranked cam

t = 4





Cam m.s. zinc-plated		
for GH = 31 mm	**H**	**GH = 31**
straight	38 - 58	1000-476
Offset 14 mm	24 - 44 ; 52 - 72	1000-478
Offset 26 mm	12 - 32 ; 64 - 84	1000-477
for GH = 45 mm	**H**	**GH = 45**
straight	52 - 72	1000-476
Offset 14 mm	38 - 58 ; 66 - 86	1000-478
Offset 26 mm	26 - 46 ; 78 - 98	1000-477
for GH = 64 mm	**H**	**GH = 64**
straight	71 - 91	1000-476
Offset 14 mm	57 - 77 ; 85 - 105	1000-478
Offset 26 mm	45 - 65 ; 97 - 117	1000-477

Note:
Cranked cam can be used positively and negatively

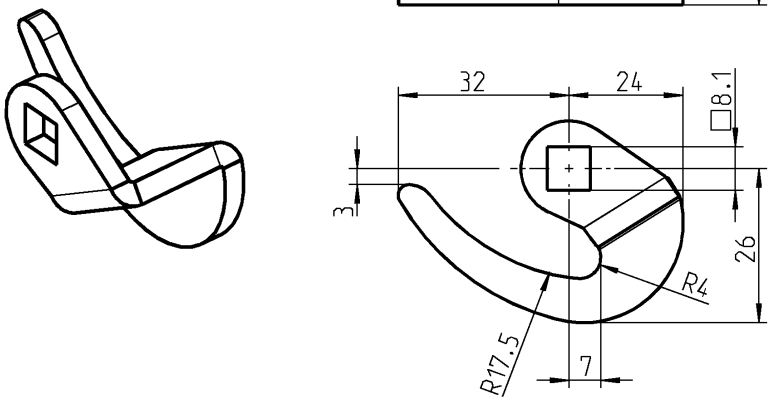
Further parts see page

– Compression latch with insert 1B-222
– Compression latch with handle 1B-232
– Chest handle with compression function 8A-135

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Cam

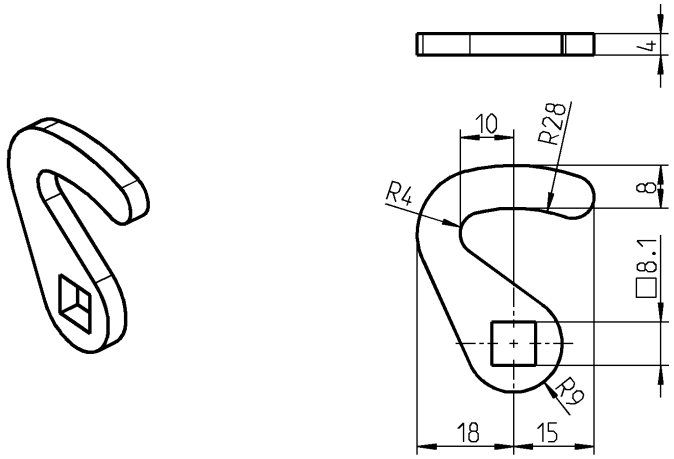
PROGRAM 1000





Hooked cam for desk lid, LH version

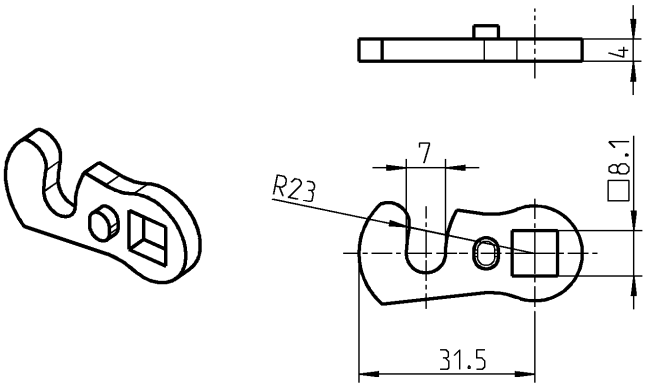
m.s. zinc-plated	1000-91





Hooked cam, RH and LH version

m.s. zinc-plated	1000-93





Hooked cam, LH version

m.s. zinc-plated	1000-61

Further parts see page

– Quarter turn		1B-120
		1B-140
		1B-320
	to	1B-335
		1B-360
	to	1B-760
		1B-835
	up tp	1B-860
– Swinghandle		3N-120

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®Ramp, self-adhesive, Inside handle

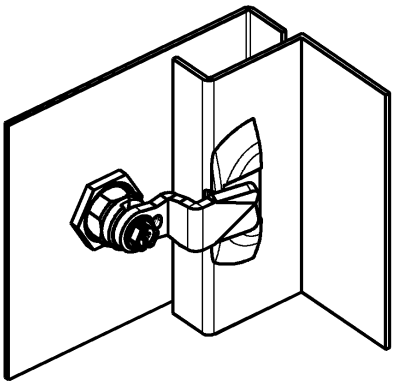
PROGRAM 1000

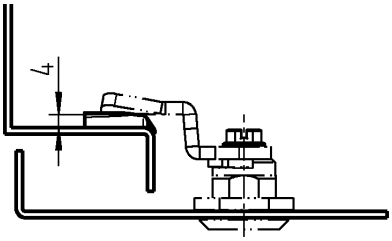


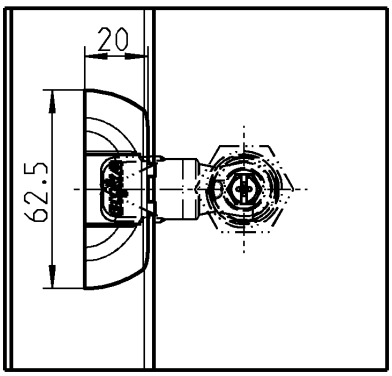




Installation example: door and frame shown from the inside







Attention:
Attention: When using the ramp, the H dim. of the cam increases by 4 mm as well as the A dim. by 4 mm of the cam on catalogue page 3YA-820.

Product benefits

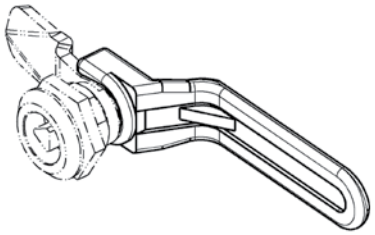
- The ramp increases the compression by 4 mm
- Good positioning of the cam by small recess in the ramp
- Prevents scratching of the frame

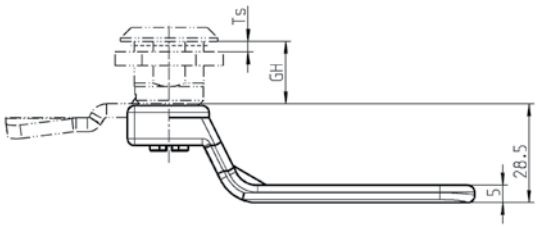
Further parts see page

– Cam	1C-120
	1C-130
	1C-140
	3YA-820
	3YA-840
	3YB-420
	3YB-440
	3YC-120
	3YC-140

Ramp polyamide black, self-adhesive or rivetable	
self-adhesive	1000-U858
rivetable with bore hole Ø4.1	1000-510-01AA









Further parts see page

– Cam	1C-120
	1C-130
– Quarter turn	1B-120
	1B-140
	1B-360
(non locking)	1B-520
to (non locking)	1B-580
	1B-720
	1B-835
	1B-860

Internal handle polyamide red, screw m.s. zinc-plated, (cannot be used for lockable quarter turns and compression latches)			
GH	Ts 1.5-	M6	
18	8	16	1000-U681
30	20	25	1000-U682
36	26	30	1000-U683
40	30	40	1000-U684
50	40	50	1000-U685
60	50	55	1000-U686

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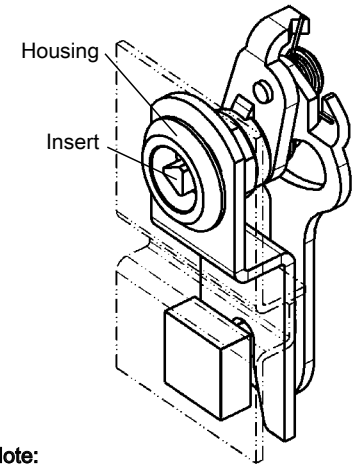
Hook lever lock,
Slam cam

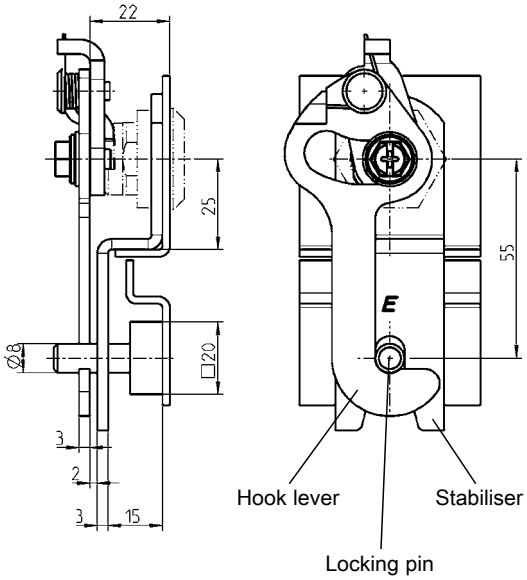
PROGRAM 1000

Hook lever lock
with 90° turn, rotation and pulling movement to the cam

Note: Drawings and dimensions relate to quarter turns with GH = 18.

Hook stroke 5 mm





Note:
When using quarter turns with GH-dimension >18, the length of the screw has to be checked.



Further parts see page

– Quarter turn	1B-120
	1B-140
	1B-335
	1B-520
to	1B-720
	1B-835
up to	1B-860

Hook lever lock m.s. zinc-plated consinstent of:	
Hook lever	1000-U12
Locking pin	1000-49
Stabiliser	1000-48

EDELSTAHL Rostfrei STAINLESS STEEL

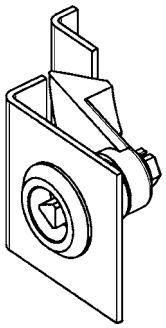
Slam cam

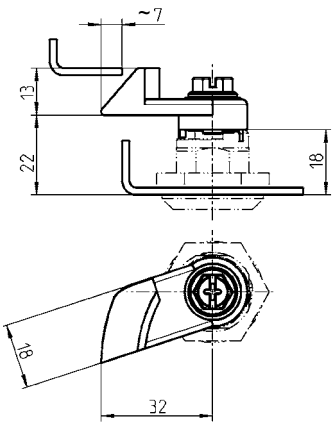
Spring-loaded with slam effect

Note:
Slam cam is designed for quarter turn with GH = 18.
Other GH-dimensions on request.

The spring washer delivered with the insert has to be replaced by the enclosed spacer ring.

With the following slam cams IP 54 up to IP 69K is not possible!
Part no.:
1000-U235-N
1000-U235-NPH
1000-U236-N
1000-U236-NPH





Right





Slam cam zinc die chrome-plated, spacer, screw m.s. zinc-plated		
for quarter turn see catalogue page	**Right**	**Left**
1B-120, 1B-140, 1B-360, 1B-830, 1B-835, 1B-860	1000-U235-N	1000-U236-N
1B-420 to 1B-680	1000-U315-N	1000-U316-N
Slam cam AISI 316, spacer, screw stainless steel		
1B-120, 1B-140, 1B-360, 1B-830, 1B-835, 1B-860	1000-U235-NPH	1000-U236-NPH

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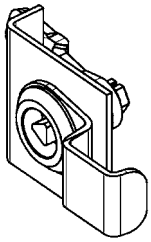
®Finger pull, Dust cap

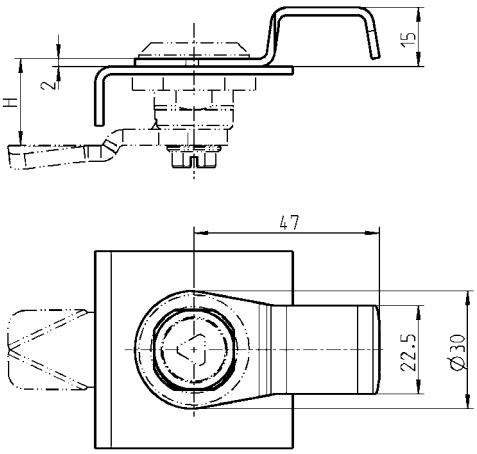
PROGRAM 1000





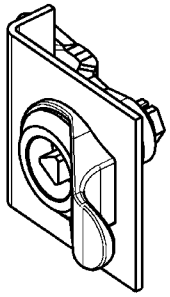
Attention:
The H-dimesion will be reduced by 2 mm with the finger pull installed.

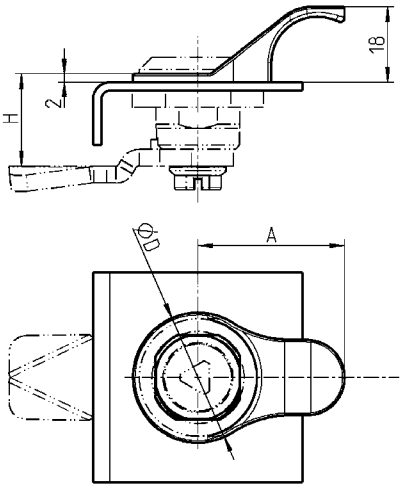




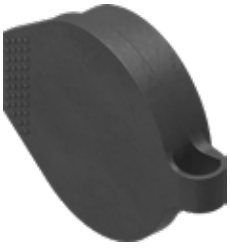
Finger pull m.s. black powder-coated		
		1000-359
IP 65 achieved by:		
Flat seal		1000-23



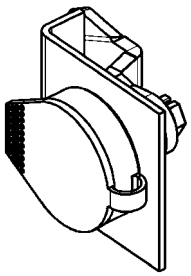


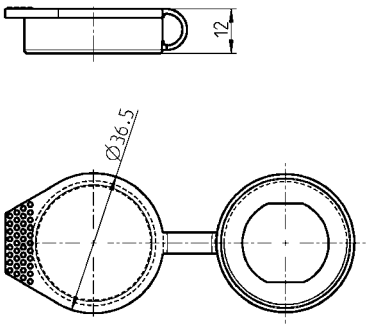


Finger pull polyamide GF black		
for housing with head diameter Ø 28	; D = 31, A = 35	1000-358
for housing with head diameter Ø 30 and 32	; D = 35, A = 36	1000-358-01
IP 65 achieved by:		
Flat seal		1000-23



Attention:
The H-dimension will be reduced by 2 mm when using this dust cap.





Dust cap polyethylene black	
	1000-97-01

Further parts see page
– Quarter turn 1B-120 to 1B-222, 1B-235 to 1B-335, 1B-360, 1B-420, 1B-840, 1B-860

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Dust cap for high-speed trains, Dust cap for T-handle

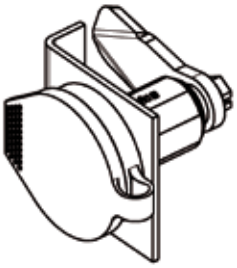
PROGRAM 1000

When combined use of dust cap and compression latch with optical open indicator (catalogue page 1B-237) an additional safety aspect is achieved.

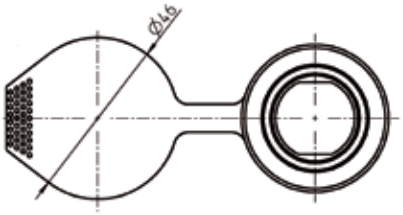
In addition to the clearly visible red ring, the dust cap cannot be closed and is thus open.













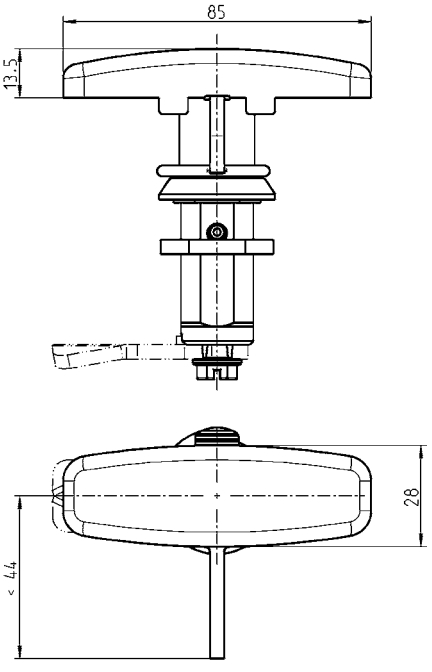
Note
The dust cap was successfully tested by the Technical University of Dresden with respect to high-speed resistant class up to 450 km/h.

Attention:
The H-dimension will be reduced by 2 mm when using this dust cap.

Further parts see page

– Quarter turn		1B-120
	to	1B-222
		1B-235
	to	1B-335
		1B-360
		1B-420
		1B-840
		1B-860

Dust cap TPE, UV resistant, black	
	1000-97-02



Also suitable for:

– Program 1000
(see catalgoue page 1B-560)

– Program 1102
(see catalgoue page 2A-140)

– Program 1005
(see catalgoue page 2B-160)

– Program 1125
(see catalgoue page 3B-180)

– Program 1225
(see catalgoue page 3G-180)

– Program 2100
(see catalgoue page 3H-220)





T-handle cap polypropylene black	
	1000-460

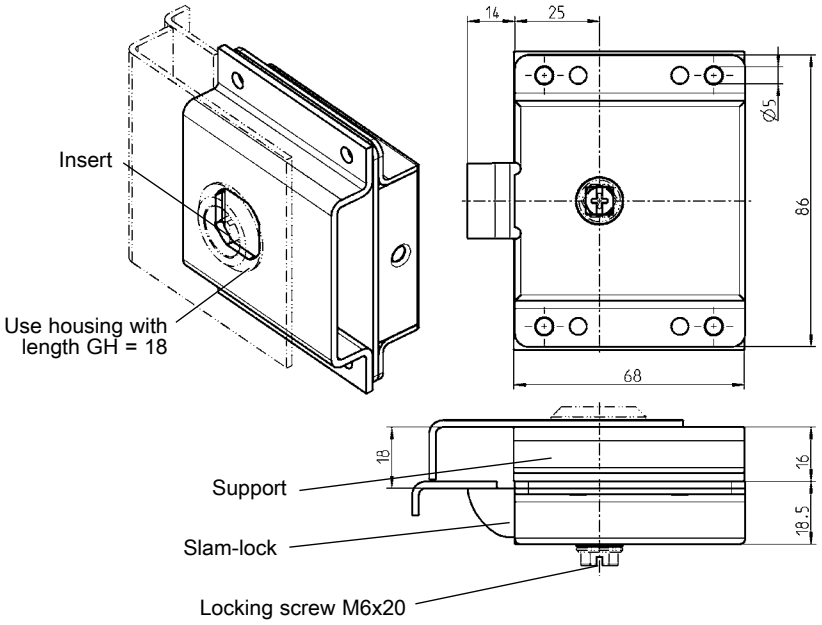
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EMKA Beschlagteile

®Slam latch, Anti-rotation device

PROGRAM 1000





Further parts see page
– Quarter turn
1B-120
1B-140
1B-330
to 1B-335
1B-520
to 1B-680
1B-835
up to 1B-860

Slam latch m.s. zinc-plated., zinc die raw and spring steel Support and vibration proof screw m.s. zinc-plated	
Slam-lock	1034-U1
Support	1034-03
Locking screw M6x20	1000-277-04JB



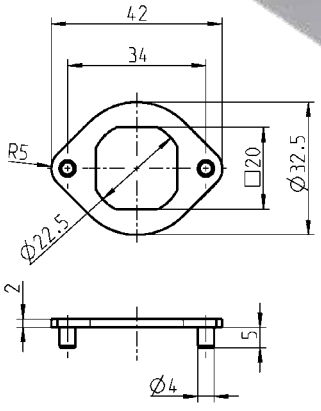
Front mounted anti-rotation device, under the housing





Back mounted anti-rotation device, under the nut





Note:
The H-dimension will be reduced by 2 mm when anti-rotation device is on the outside.
Ts-dimension will be reduced by 2 mm when used from the inside.

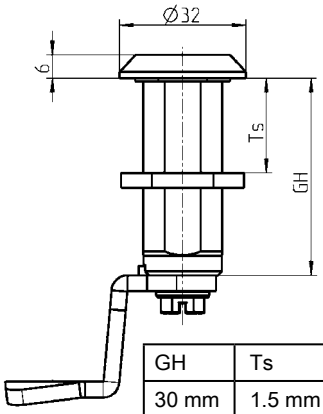
Further parts see page
– Quarter turn
1B-120
1B-140
1B-220
up to 1B-335
1B-360
to 1B-720
1B-835
up to 1B-860

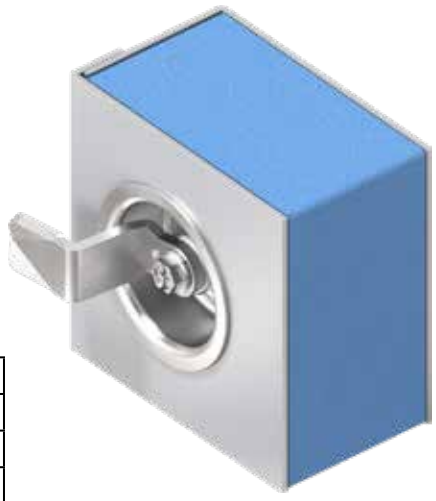
Anti-rotation device zinc die, surface of choice	
black powder-coated	1000-456-AA
zinc-plated	1000-456-JB

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Dish

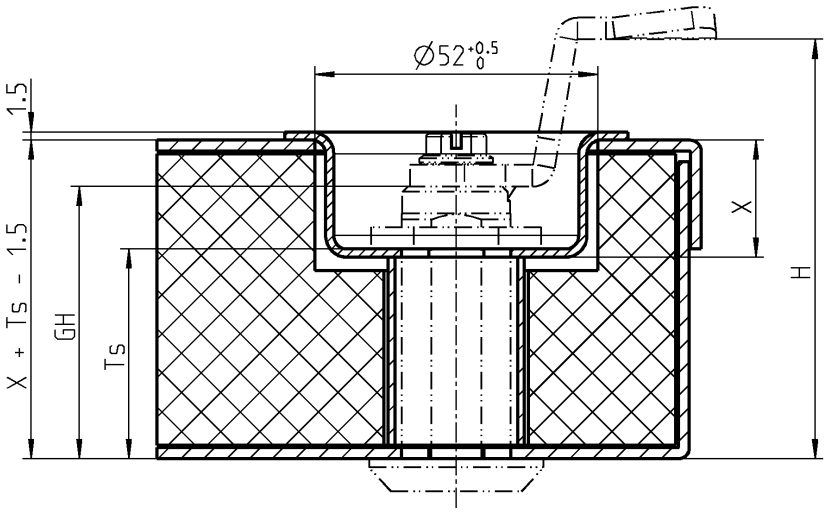
PROGRAM 1000

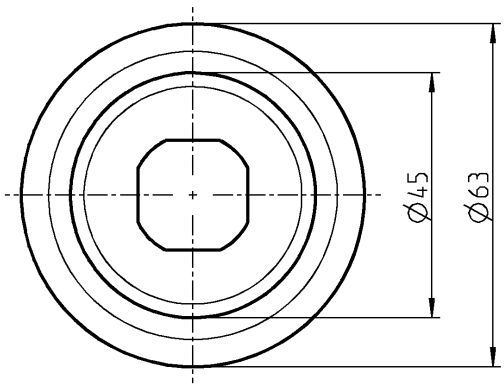




GH	Ts
30 mm	1.5 mm to 20 mm
36 mm	1.5 mm to 26 mm
40 mm	1.5 mm to 30 mm
50 mm	1.5 mm to 40 mm
60 mm	1.5 mm to 50 mm







Dish to decrease the max. door thickness in conjunction with quarter turns for insulated doors or to align cut outs for quarter turns.

Further parts see page

– Quarter turn
1B-120
1B-140
1B-220
to 1B-235
1B-320
up to 1B-335
1B-360
to 1B-720
1B-835
up to 1B-860

Dish m.s. zinc-plated	
Dimension X	
10.5 mm	1000-264
17.5 mm	1000-265
21.5 mm	1000-266

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Rod

PROGRAM UNIVERSAL

Minimum order quantity: 200 pieces
Smaller quantities on request

Round rod
in fixed lengths

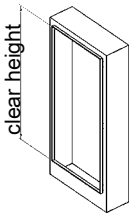
Program 1000

Calculation of rod length L
when pivot point is central

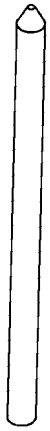
with adapter $\frac{\text{clear height - 40}}{2}$

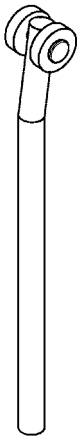
with eye $\frac{\text{clear height - 12}}{2}$

L ≤ 1200

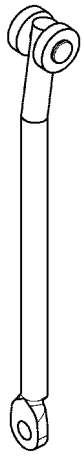


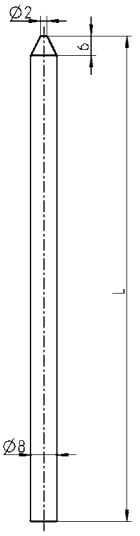
Order example: Order no. for a round rod with rollers and a length of 1034 mm
= 1049-18-L 1034

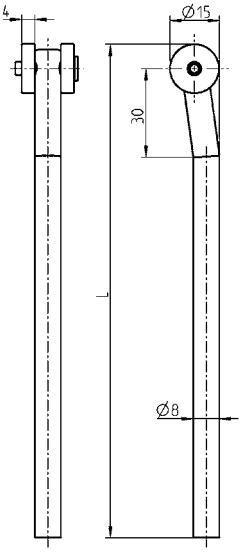


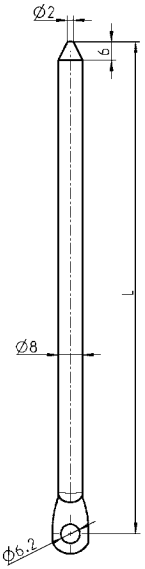


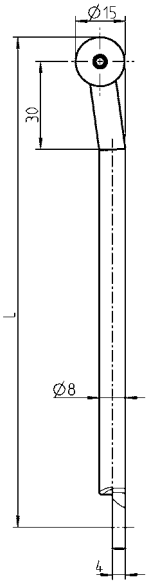


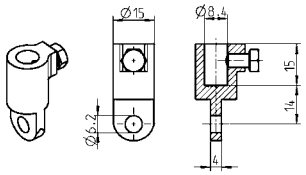


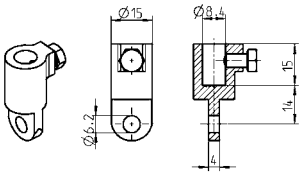












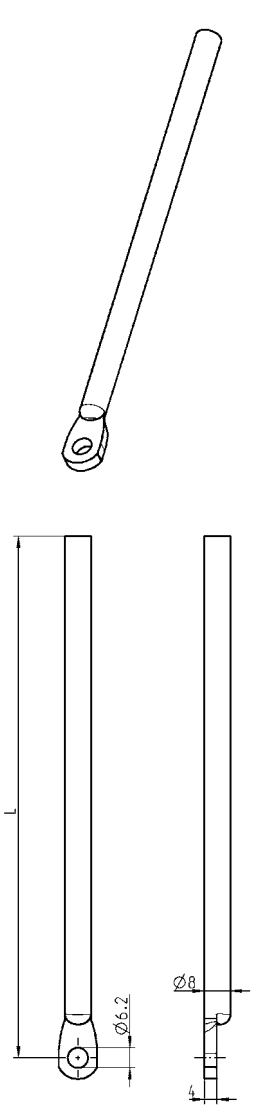
with pointed end m.s. zinc plated			m.s. zinc pl., with rollers polyamide black			with eye and pointed end, m.s. zinc plated	with eye m.s. zinc pl. and rollers polyamide black (not suitable for rod control program 1121 and 2121)
1049-19-L mm			1049-U18-L mm			1000-211-L mm	1000-U144-L mm
(1049-19-01 to -17 see price list)			(1049-U18-01 to -17 see price list)			(1000-211-01 to -17 see price list)	(1000-U144-01 to -17 see price list)
Adapter	**zinc die, m.s. z.pl.**	**AISI 303**	**Adapter**	**zinc die, m.s. z.pl.**	**AISI 303**		**with eye AISI 304 and rollers polyamide black** (not suitable for rod control program 1121 and 2121)
	1000-U49	1000-U141		1000-U49	1000-U141		1000-U538-L mm
							(1000-U538-01 to -09 see price list)

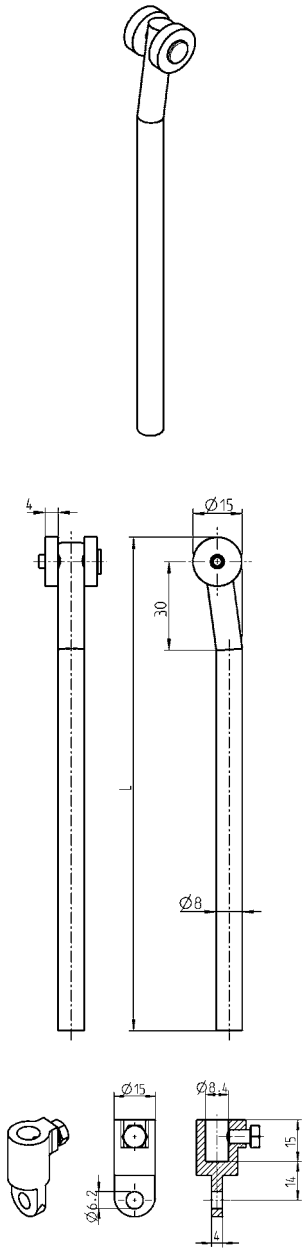
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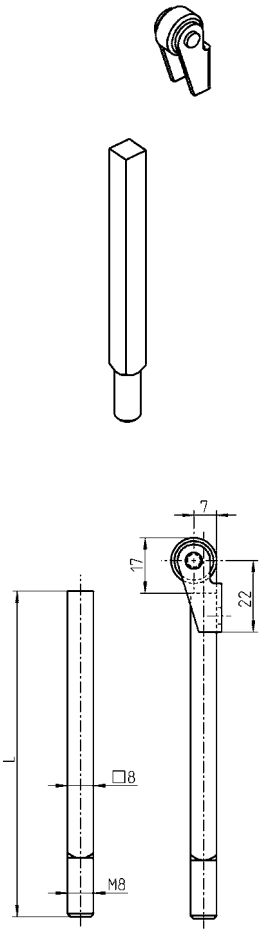
Round rods and square rods in available lengths

EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX









Round rod with eye m.s. zinc-plated	
L in mm	
400	1000-33
500	1000-34
600	1000-35
700	1000-36
800	1000-37
900	1000-38
1000	1000-39
1100	1000-114
1200	1000-115

Round rod m.s zinc-plated or AISI 304 with rollers polyamide black		
L in mm	m.s. z.pl.	AISI 304
600	1049-U3	1049-U12
700	1049-U4	1049-U13
800	1049-U5	1049-U14
900	1049-U6	1049-U15
1000	1049-U7	1049-U16
1100	1049-U8	1049-U17
1200	1049-U9	–
Adapter	zinc die, m.s. z.pl.	AISI 303
	1000-U49	1000-U141

Square rod m.s. zinc-plated suitable for catalogue page 2B-120	
L in mm	
600	1001-11
700	1001-12
800	1001-13
900	1001-14
1000	1001-15
1100	1001-16
1200	1001-17
Roller unit m.s. zinc-pl., roller polyamide white	
–	1019-U1

Further parts see page

– Cam 1C-120, 1C-160
– Rod control 2A-120, 2B-120 to 2B-140
– Rod guide 1C-630, 1C-640

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Items printed in gray without stock

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®Rod guide for quick assembly for round rods 8 mm

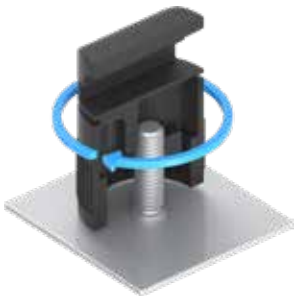
PROGRAM UNIVERSAL







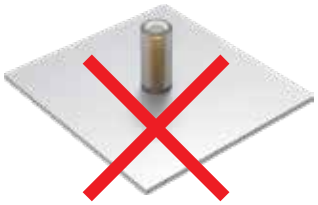
1.
Place the rod guide on the weld stud.
(Hereby the time-consuming screwing is reduced considerbly.)

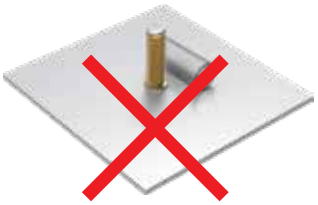


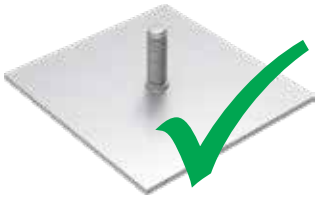
2.
Set the rod guide upright. This makes it snap in place noticeably and audibly; and it can then be secured by only a few rotations.



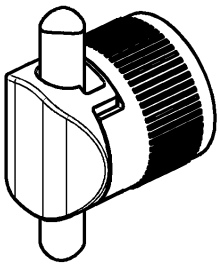
3.
Rod guide is completely mounted.

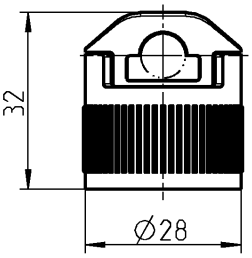


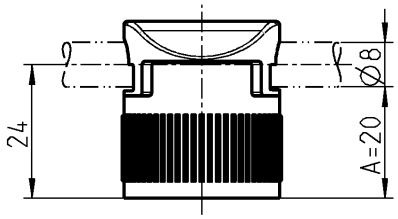




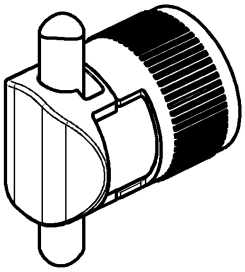
ADVANTAGE
This rod guide is suitable for raw and powder coated weld studs.
The covering of the weld stud before powdering can be omitted, this results in process optimization and cost saving.

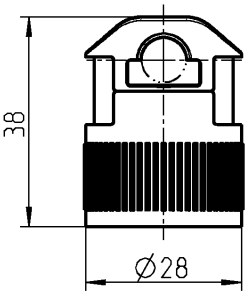


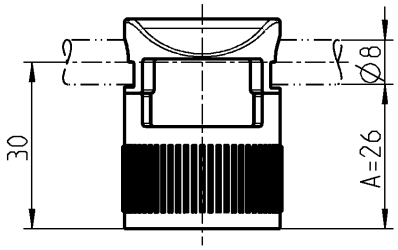




Note:
Rod guide suitable for dimensions of A=20 and A=26







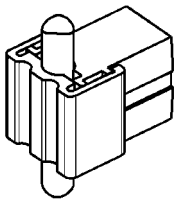
Rod guide polyamide GF black		
A	for weld stud	
20	M6x16	1001-U47
26	M6x20	

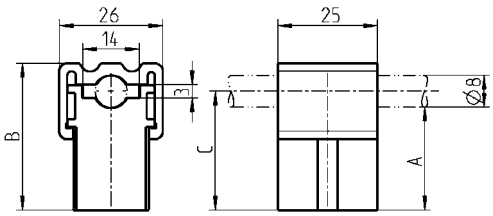
Further parts see page
– Rod 1C-620

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Rod guide for round rods 8 mm

PROGRAM UNIVERSAL







EMKA®

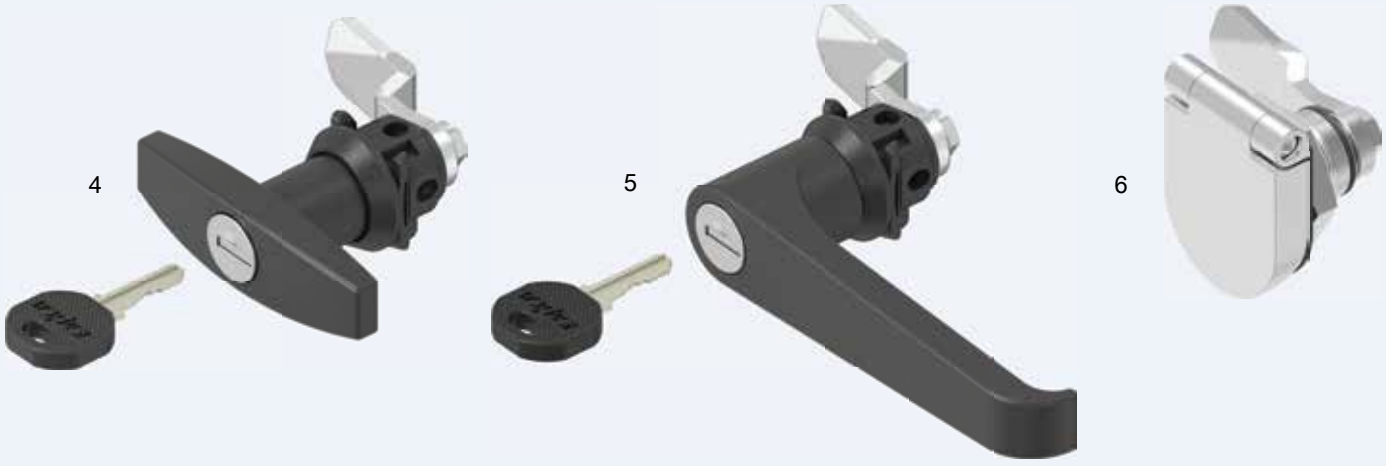
Beschlagteile

Notes:

Quarter turns
Program 1500







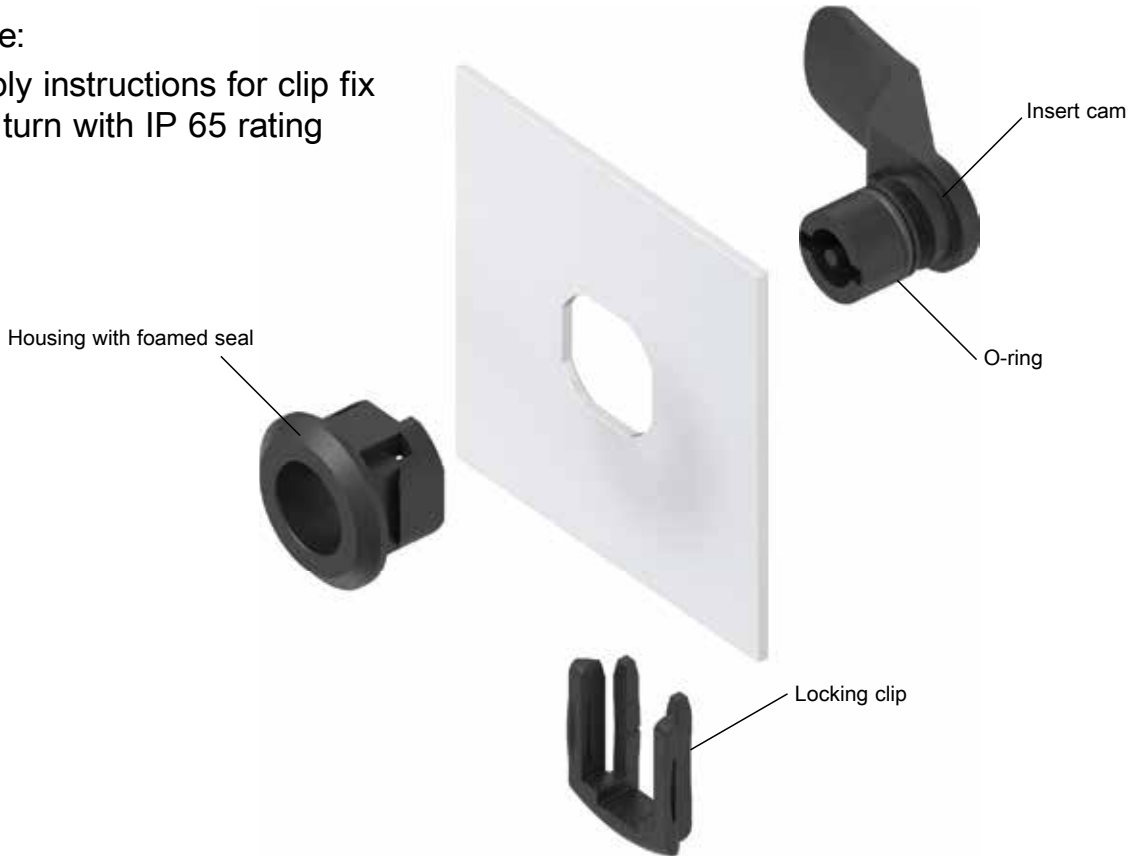
1	Quarter turn with insert cam clip fix	1D-140
2	Cylinder quarter turn	1D-240
3	Wing knob quarter turn	1D-220
4	T-handle quarter turn	1D-220
5	L-Handle quarter turn	1D-220
6	Compression latch with optical opening indicator	1D-420

Quarter turn, 3-piece, clip fix

PROGRAM 1500

Example:

Assembly instructions for clip fix quarter turn with IP 65 rating

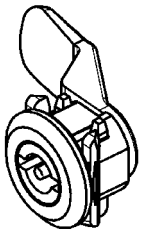


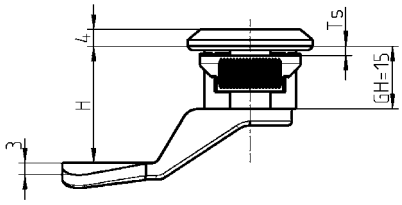
Housing polyamide GF colour of choice	black	silver
without seal	1500-01	1500-01-HW
with foamed seal (for IP 65)	1500-01-G	1500-01-GHW
Locking clip polyamide GF colour depends according to thickness		
Ts = 1.0 - 1.5 including surface coating; colour pebble grey		1500-02-10
Ts = 1.5 - 2.0 including surface coating; colour black		1500-02-15
Ts = . . .		

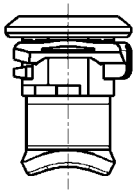
Insert cam polyamide GF, colour of choice see ordering example; order with O-ring see ordering example (for IP 65)

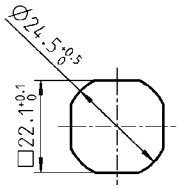
	H = 16	H = 18	H = 22	H = 24
	without O-ring	without O-ring	without O-ring	without O-ring
Square 7, black	1500-136-H16	1500-136-H18	1500-136-H22	1500-136-H24
Square 8, black	1500-140-H16	1500-140-H18	1500-140-H22	1500-140-H24
Triangular 7, black	on request	on request	on request	on request
Triangular 8, black	1500-152-H16	1500-152-H18	1500-152-H22	1500-152-H24
Triangular 9, black	on request	on request	on request	on request
Double bit 3, black	1500-156-H16	1500-156-H18	1500-156-H22	1500-156-H24
Double bit 5, black	1500-160-H16	1500-160-H18	1500-160-H22	1500-160-H24
Hexagon female SW 10, black	on request	on request	on request	on request
Square female 7, black	on request	on request	on request	on request
Square female 8, black	on request	on request	on request	on request
Daimler Benz, black	on request	on request	on request	on request
Slot 1.2 x 3, black	on request	on request	on request	on request
Slot 2 x 4, black	1500-177-H16	1500-177-H18	1500-177-H22	1500-177-H24
Slot 2 x 4 coinproof, black	on request	on request	on request	on request

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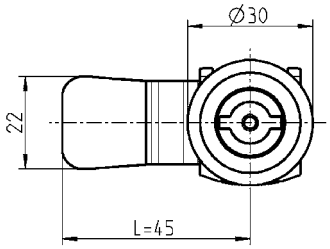








Cut out











Order example for insert cam silver:

You require a silver insert cam in square 8 mm for the clearance H = 18 mm. Then add to the item no. in the table the letters 'HW' at the end.
e.g.:
1500-140-H18HW Insert cam polyamide GF, silver, H = 18 mm, square 8 mm

Order exapmple for insert cam with O-ring:

You require a black insert cam in double bit 3 mm for the clearance H = 28 mm with O-ring. Then add letter 'B' to the item no. from the table the after '1500-'.
e.g.:
1500-B156-H28 Insert cam polyamide GF, black, H = 28 mm, double bit 3 mm with O-ring

H = 28	H = 30	
without O-ring	without O-ring	
1500-136-H28	1500-136-H30	
1500-140-H28	1500-140-H30	
on request	on request	
1500-152-H28	1500-152-H30	
on request	on request	
1500-156-H28	1500-156-H30	
1500-160-H28	1500-160-H30	
on request	on request	
on request	on request	
on request	on request	
on request	on request	
on request	on request	
1500-177-H28	1500-177-H30	
on request	on request	

Attention:
IP 65 is achieved by housing with foamed seal and insert cam with O-ring!

Note:
Further insert cams with other inserts or other H- and L-dimensions on request

Further parts see page
– Key 8B-120

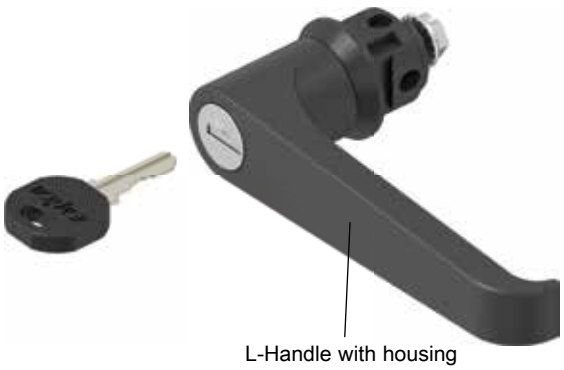
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Items printed in gray without stock

Handle quarter turn, clip fix

PROGRAM 1500

L-Handle quarter turn, clip fix



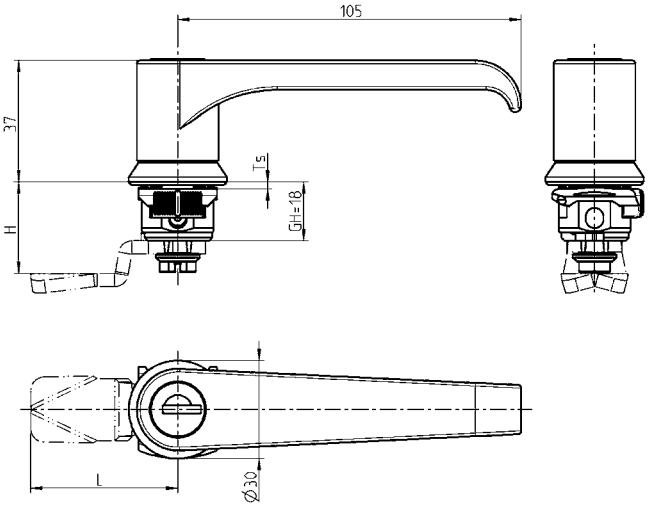
L-Handle with housing

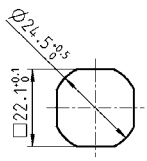


Cam



Locking clip





Cut out

T-handle quarter turn, clip fix



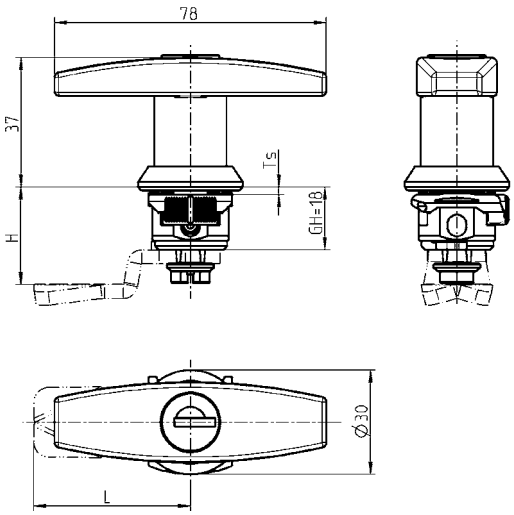
T-handle with housing

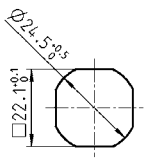


Cam



Locking clip





Cut out

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T-handle quarter turn, small, clip fix



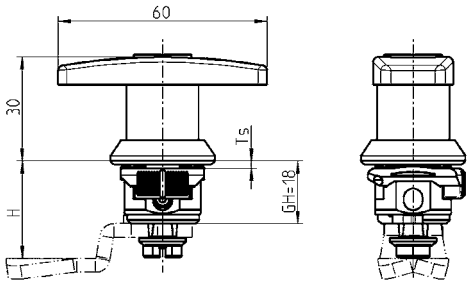
T-handle small with housing

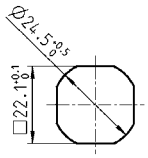


Cam



Locking clip





Cut out

Wing knob quarter turn, clip fix



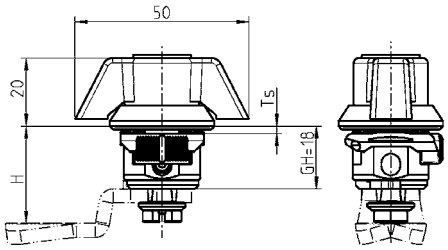
Wing knob handle with housing

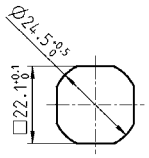


Cam



Locking clip





Cut out











Handle polyamide GF black / zinc die, housing polyamide GF black,
round cylinder zinc die with stainless steel cap and dust cap, srew m.s. zinc-plated, with seal.
Each round cylinder has one silver steel key with grip polyamide black.
Key removable in both positions.

	non locking	keyed EK 333	keyed different
Wing knob	1500-U343	1500-U345	1500-U347
T-handle small	1500-U775 (IP 40)	1500-U773	1500-U774
T-handle	1500-U546	1500-U548	1500-U550
L-handle	1500-U570	1500-U572	1500-U574
Locking clip polyamide GF, colour depending on item			
Ts = 1.0 - 1.5 colour pebble grey			1500-05-10
Ts = 1.5 - 2.0 colour black			1500-05-15

Further parts see page
– Cam (GH = 18) 1C-120
1C-160
– Spare key 8B-140

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EMKA® Beschlagteile

Cylinder quarter turn, clip fix

PROGRAM 1500







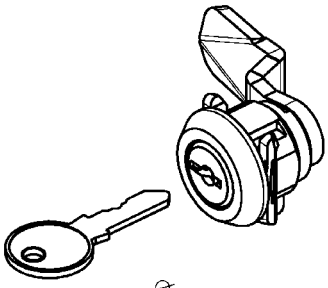
Locking clip

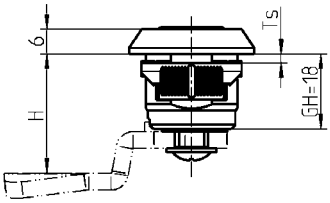


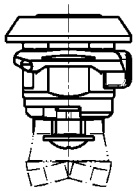
Housing with cylinder

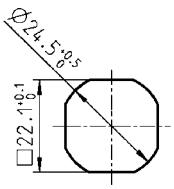




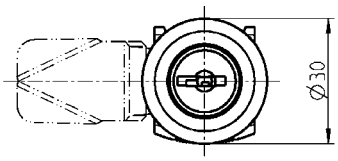








Cut out



Housing and round cylinder polyamide GF black, screw m.s. zinc-plated. Each round cylinder has one key of m.s. nickel-plated. Key removable in both positions.	
keyed EK 333	1500-U18
keyed different	1500-U19
Locking clip polyamide GF, colour depending on item	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

Further parts see page

– Cam (GH = 18)	1C-120
(without rod control)	1C-160
– Spare key	8B-140

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Compression latch with optical opening indicator

PROGRAM 1500

EMKA Beschlagteile

Tamper and vibration proof

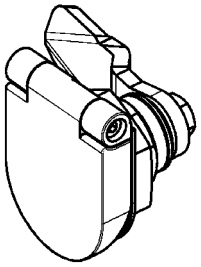
The compression latch is designed to be vibration-proof as such. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.
Tested according to DIN EN 45545-2 E30

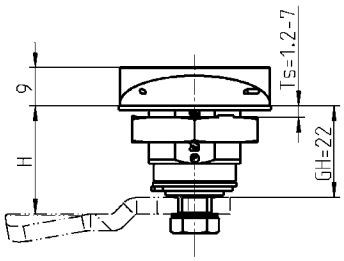


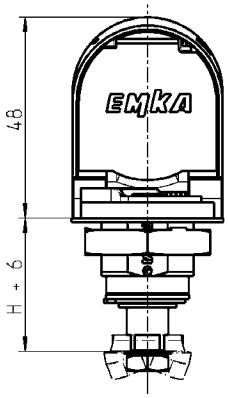


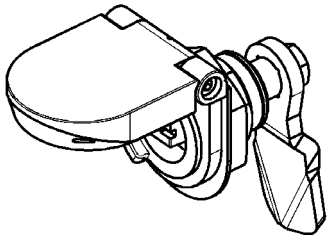
Product benefits

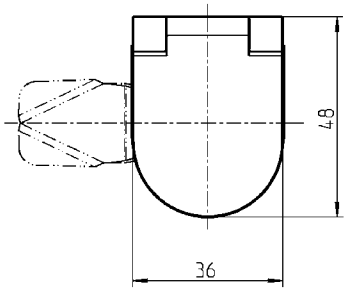
- Visual opening indicator clearly visible due to 90° open flap when uncompressed
- The red surface on the inside of the cap makes it easier to recognize the open position
- The flap closes automatically when compressed
- Integrated dust cap
- The flat seal cushions the flap and prevents damages to the door
- Standard cut out program 1500
- Patent submitted

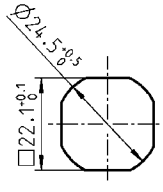






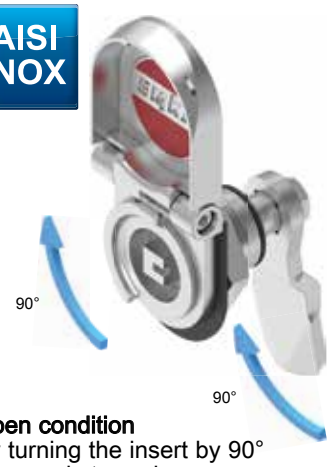




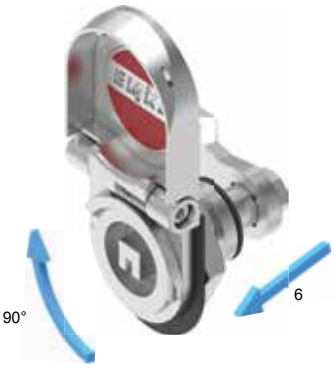


Cut out





Open condition
By turning the insert by 90° the cam is turned.



Closed condition
Further rotation of the insert by 90° moves the cam 6 mm in axial direction.



Compressed condition

Open:
Reversed motion

**Compression latch with visual opening indicator AISI 316;
nut and earthing nut AISI 316;
screw and toothed lock washer stainless steel; with spring and seal**

	Left-hand version	Right-hand version
Square 8 with marking	1500-U776-LIPH	1500-U776-REPH
Square 8 with marking and cap with red pad printing	1500-U776-01LIPH	1500-U776-01REPH

Further parts see page

– Cam without catch 1C-120
– Key 8B-120

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Beschlagteile

Compression latch
PROGRAM 1022



Tamper and vibration proof

The compression latch is designed to be vibration-proof as such.
Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.



Open condition
By turning the insert by 90° the cam is turned.

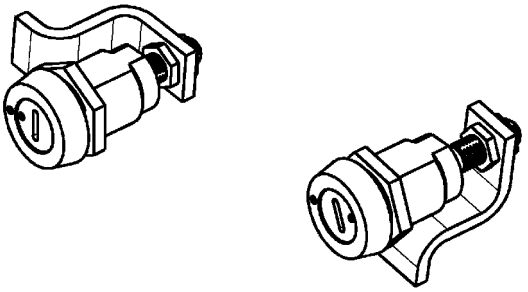


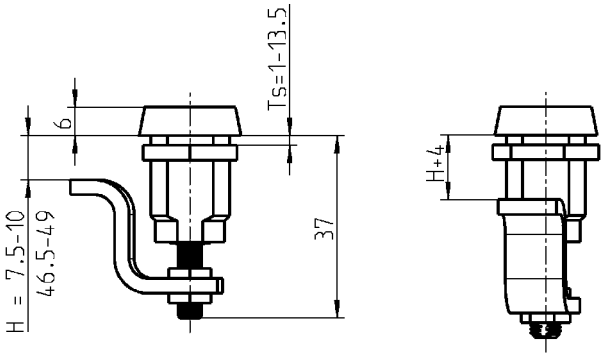
Closed condition
The second 90° of rotation of the insert draws the cam toward the door 4 mm axially.

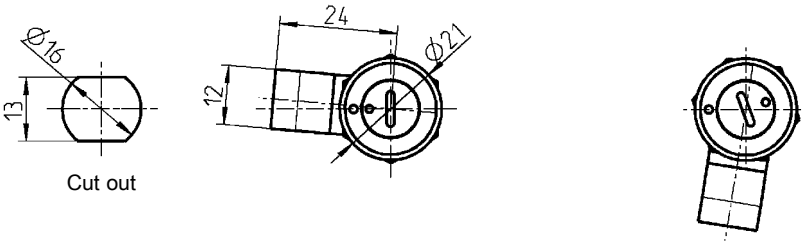


Compressed condition

Open:
Reversed motion







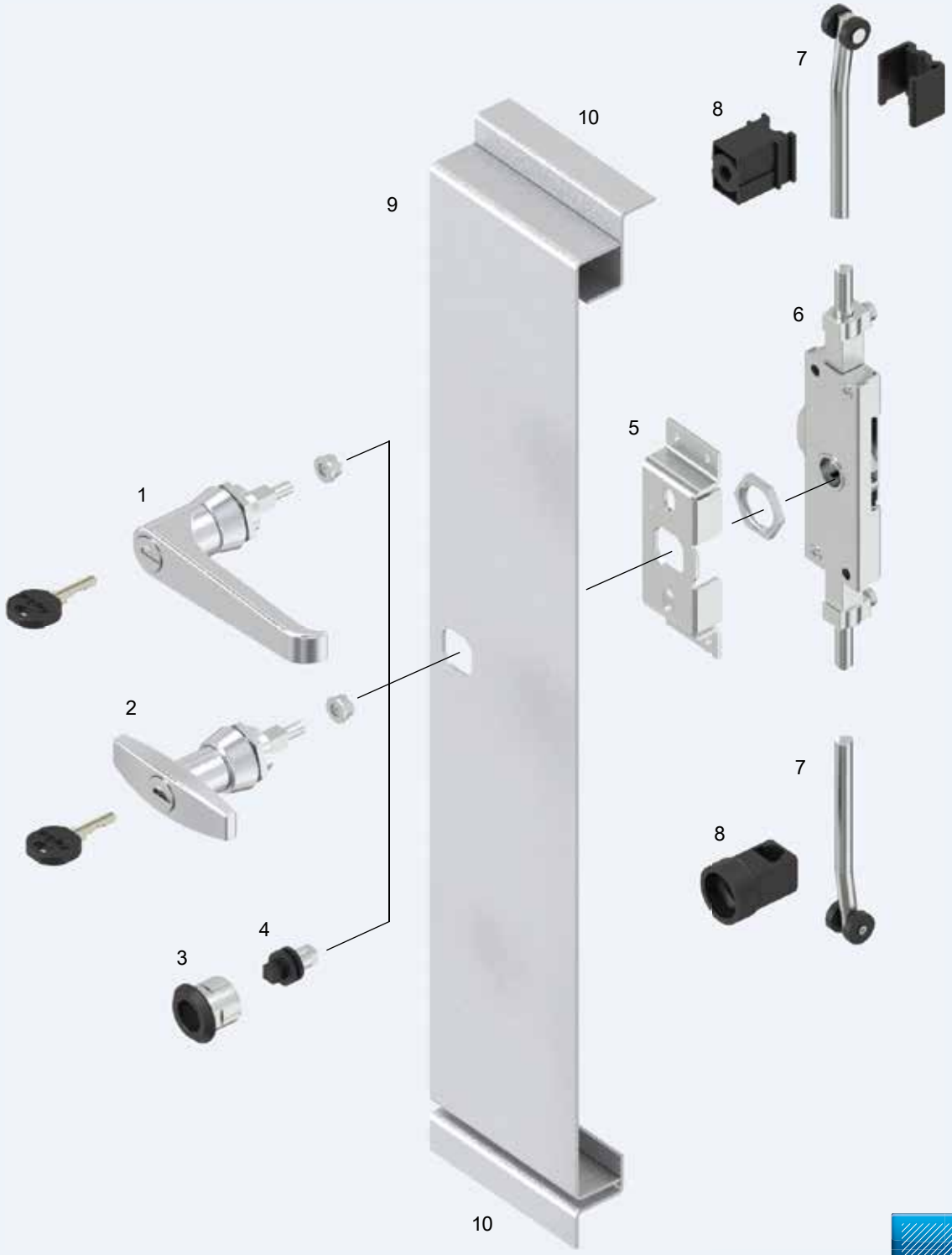
Cut out

Quarter turn zinc die black powder-coated, nut m.s. zinc-plated

1022-U86

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Rod control for heavy duty screw-on

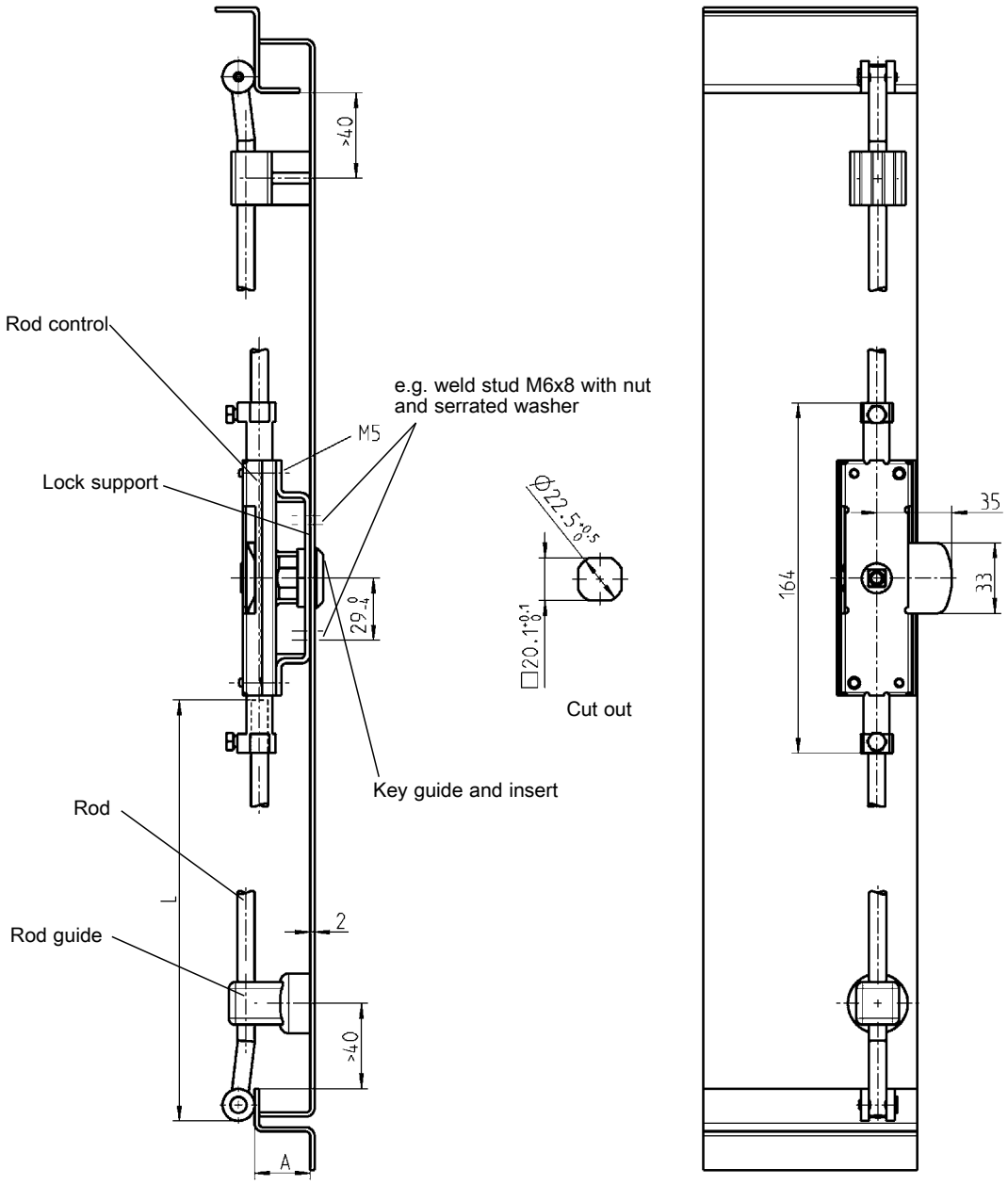


1	L-handle	2A-140
2	T-handle	2A-140
3	Key guide	2A-120
4	Insert	2A-120
5	Support	2A-120
6	Rod control	2A-120
7	Rod	
8	Rod guide	
9	Door	
10	Housing / Frame	

Rod control and insert

PROGRAM SCREW-ON

Stroke 13 mm
or stroke 18 mm



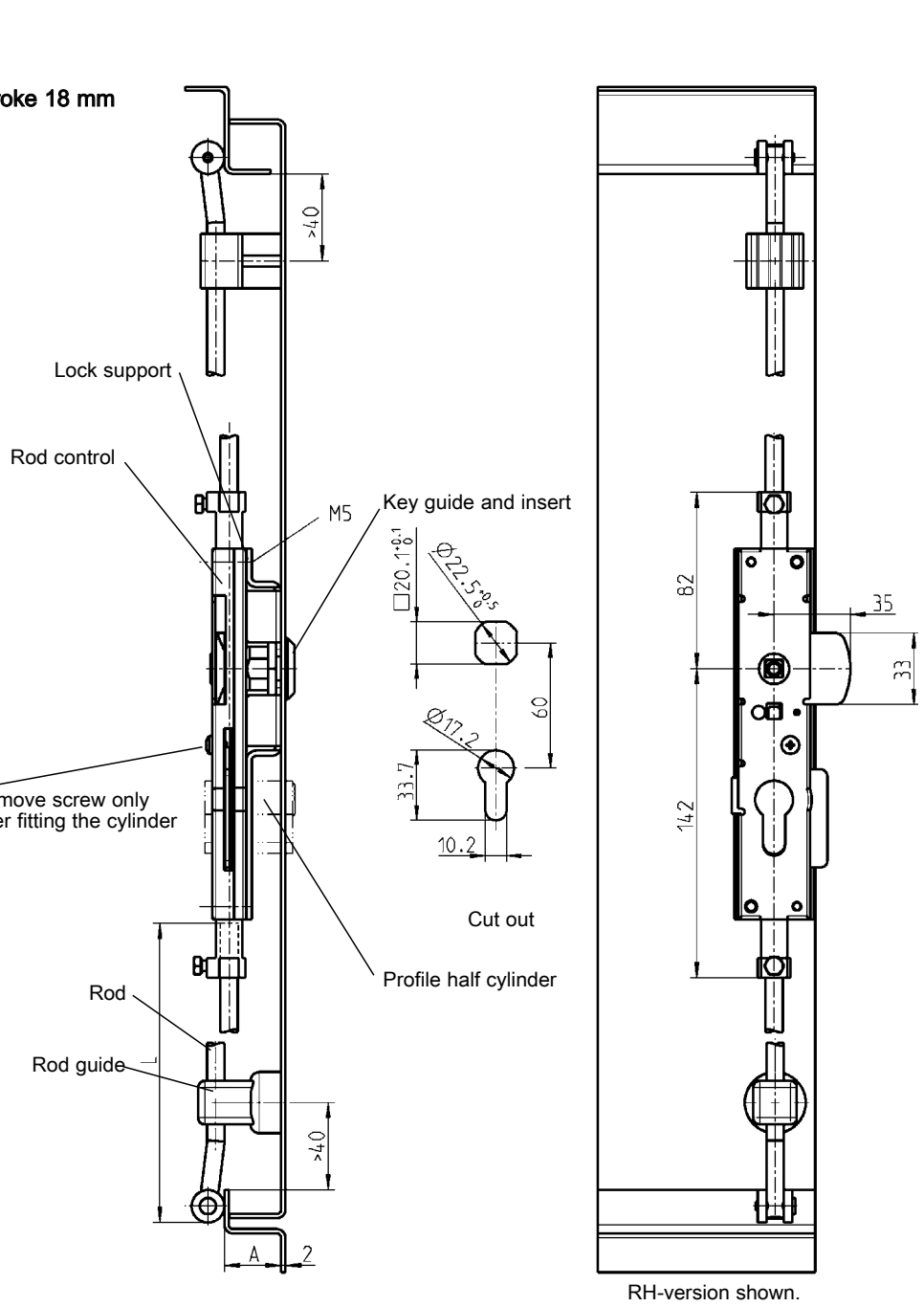
RH-version shown.

Dimensions of rod controls
and other versions see
catalogue pages 2B-120 to -140

Rod control m.s. zinc-plated		
	Stroke 13	Stroke 18
Right	1049-U1	1049-U19
Left	1049-U2	1049-U20
Support m.s. zinc-plated		
	A20	A26
Right / Left	1001-47	1001-50

Rod control m.s. zinc-plated for profile half cylinder		
		Stroke 18
Right	–	1068-U1
Left	–	1068-U2
Support m.s. zinc-plated		
	A20	A26
Right	1001-45	1001-48
Left	1001-46	1001-49

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Key guide zinc die chrome-pl.or black powder-coated with nut m.s. zinc-pl.		
chrome-plated	**A20**	**A26**
for square and triangular	1001-U13	1001-U14
for double bit	1001-U15	1001-U16
for Daimler Benz	1001-U17	1001-U18
for FIAT	1001-U32	–
black powder-coated		
for square and triangular	1001-U24	1001-U25
for double bit	1001-U26	1001-U27
for Daimler Benz	1001-U28	1001-U29
for FIAT	1001-U33	–

Insert zinc die chrome-plated	
Square 6	1000-59
Square 7	1000-04
Square 8	1000-05
Triangular 7	1000-06
Triangular 8	1000-07
Double bit 3	1000-08
Double bit 5	1000-09
Daimler Benz	1000-64
Fiat	1000-352
IP 65 achieved by:	
Flat seal	1000-23
O-ring	1000-24

Further parts see page

– T-handle 2A-140
– L-handle 2A-140
– Rod 1C-620
– Profile half cylinder 2B-220
– Key 8B-120
– Escutcheon 8D-120
– Adapter system for insulated doors 2A-180

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Items printed in gray without stock

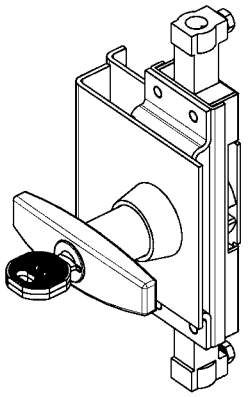
EMKA® Beschlagteile

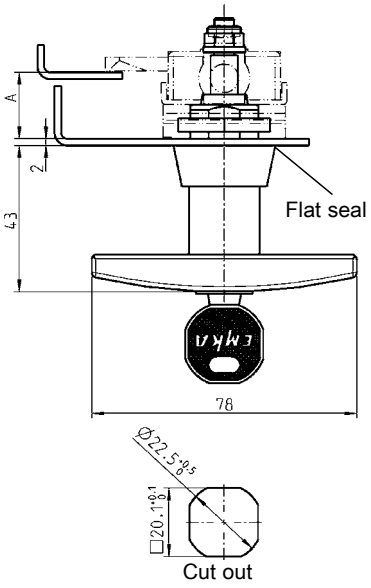
Handle

PROGRAM SCREW-ON



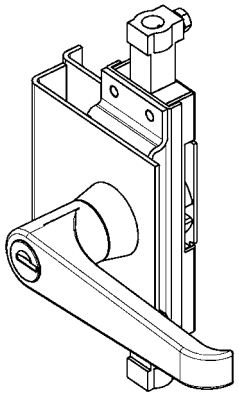
T-handle

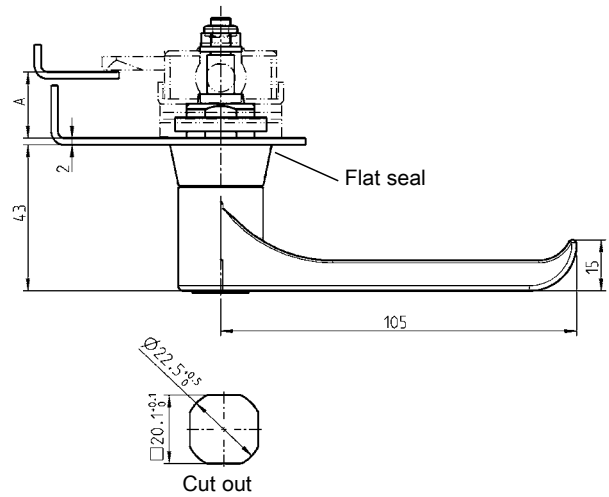






L-handle







T-Handle zinc die with nut and washer m.s. zinc-pl., with seal
Each round cylinder has one silver steel key with polyamide grip GF black

		non locking	keyed EMKA 333	keyed different
A20	chrome-plated	1102-U1	1102-U3	1102-U5
	black powder-coated	1102-U7	1102-U9	1102-U11
A26	chrome-plated	1102-U2	1102-U4	1102-U6
	black powder-coated	1102-U8	1102-U10	1102-U12

L-Handle zinc die with nut and washer m.s. zinc-pl., with seal.
Each round cylinder has one silver steel key with polyamide grip GF black
– Insert spring loaded –

		chrome-plated		black powder-coated	
		A20	A26	A20	A26
non locking	(IP 65)	1103-U1	1103-U2	1103-U21	1103-U22
keyed EMKA 333	(IP 65)	1103-U3	1103-U4	1103-U23	1103-U24
keyed different	(IP 65)	1103-U5	1103-U6	1103-U25	1103-U26
Square 7	IP 65 (on request)	1103-U7	1103-U8	1103-U27	1103-U28
Square 8		1103-U9	1103-U10	1103-U29	1103-U30
Triangular 7		1103-U11	1103-U12	1103-U31	1103-U32
Triangular 8		1103-U13	1103-U14	1103-U33	1103-U34
Double bit 3		1103-U15	1103-U16	1103-U35	1103-U36
Double bit 5		1103-U17	1103-U18	1103-U37	1103-U38
Daimler Benz		1103-U19	1103-U20	1103-U39	1103-U40

Suitable for rod program:

1001
1049
1068

Further parts see page

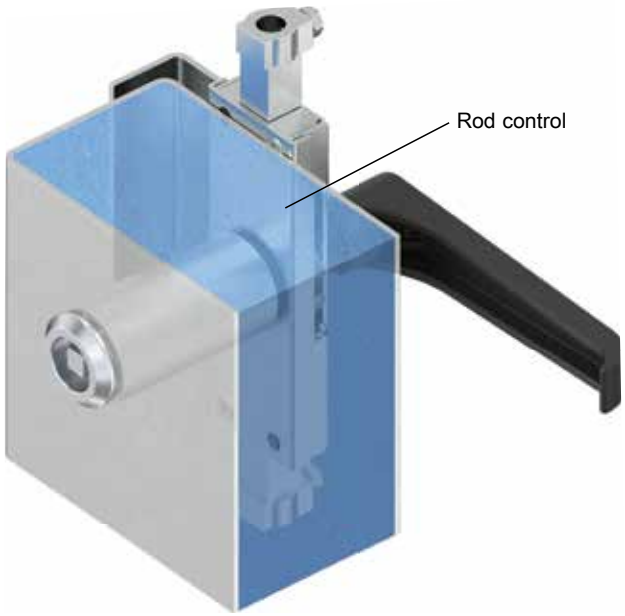
– Dust cap for T-handle 1C-340
– Spare key 8B-140
– Adapter system for insulated doors 2A-180

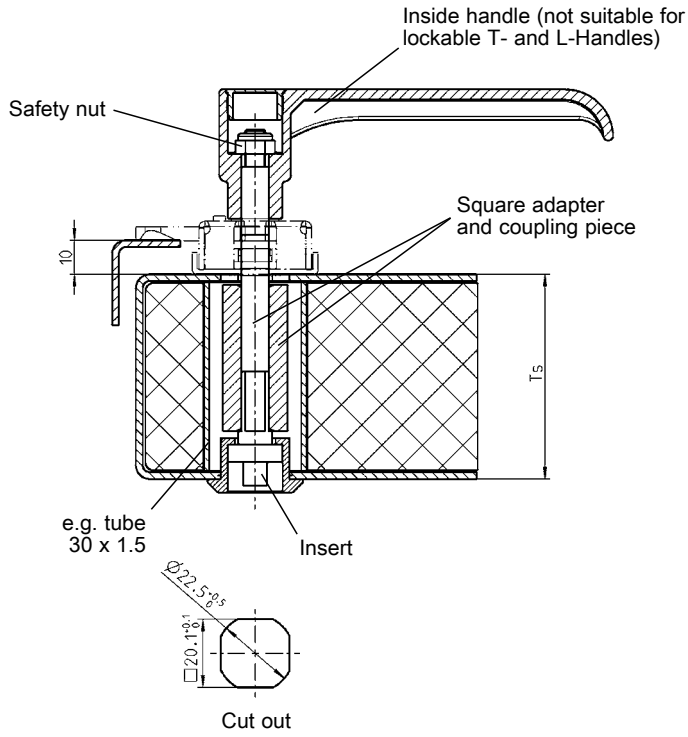
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Items printed in gray without stock

Adapter system for insulated doors

PROGRAM SCREW-ON







Adapter system pre-assembled with handle or insert, inserted into the aperture and held by locking nut M6.

Insert, m.s. zinc-plated, key guide zinc die chrome-plated, safety nut m.s. zinc-plated		Door thick-ness Ts	Square adapter m.s. z.pl.	Coupling piece aluminium
Square 7	1001-U21	20	–	–
Square 8	1001-U22	40	1x1001-65	1001-69
Double bit 5	1001-U23	50	1x1001-66	1001-70
Adapter for internal handle m.s. zinc-plated		60	1x1001-67	1001-71
	1001-65	80	2x1001-66	1001-72
Inside handle polyamide black		100	2x1001-67	1001-73
	1000-U829			

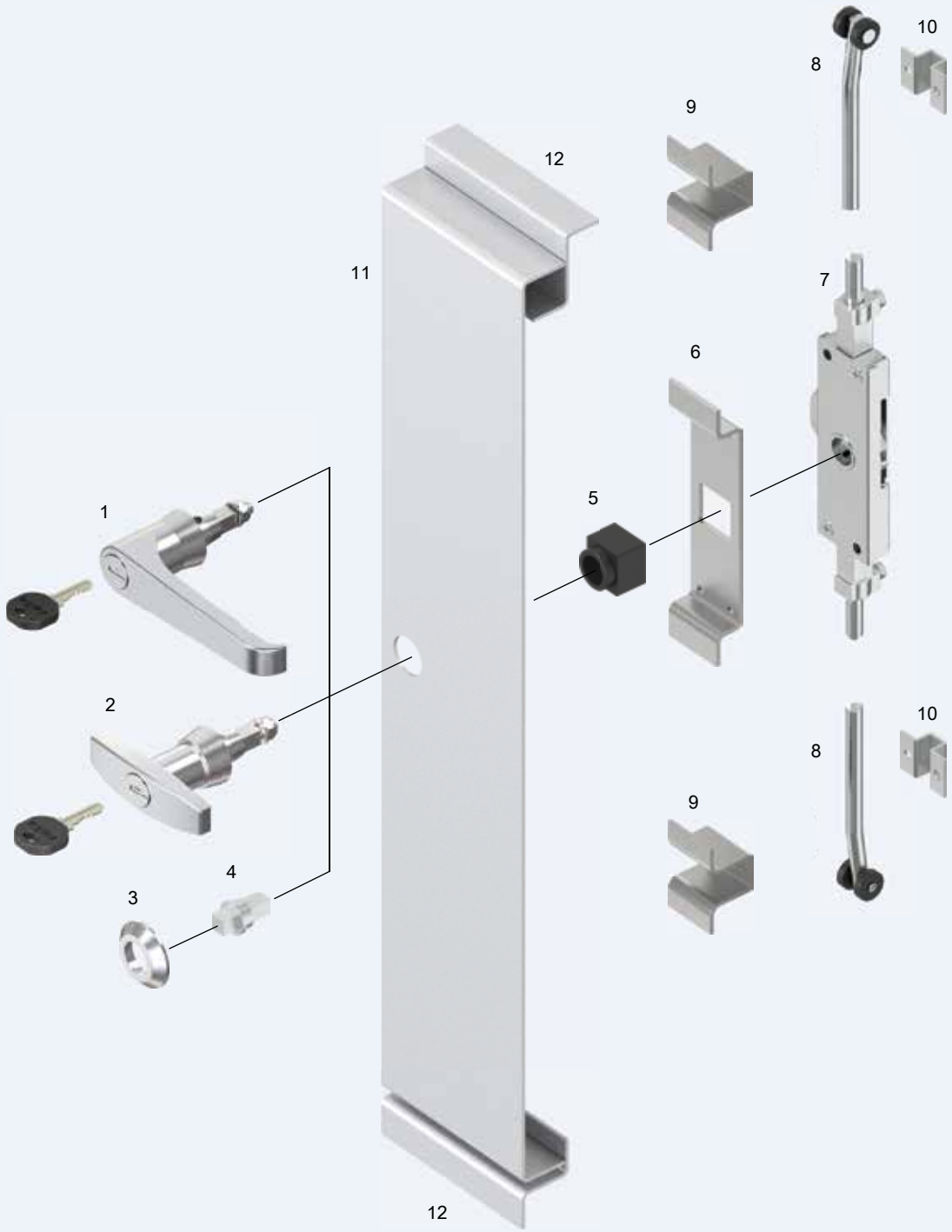
Further parts see page

– Anti-rotation device 1C-360
– Rod control 2A-120, 2B-120, 2B-130, 2B-180
– T-handle or L-Handle A = 26 2A-140

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Notes:

Rod control for heavy duty weld-on

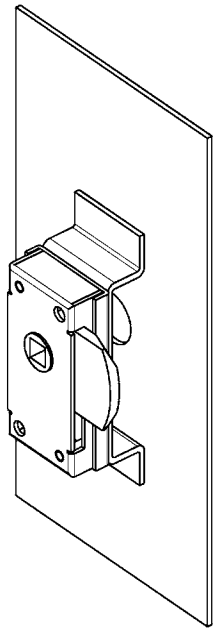


1	L-handle	2B-160
2	T-handle	2B-160
3	Bezel	2B-160
4	Insert	2B-160
5	Key guide	2B-160
6	Support	2B-120 to 2B-140, 2B-180
7	Rod control	2B-120 to 2B-140, 2B-180
8	Rod	
9	Rod support	
10	Loop	
11	Door	
12	Housing / Frame	

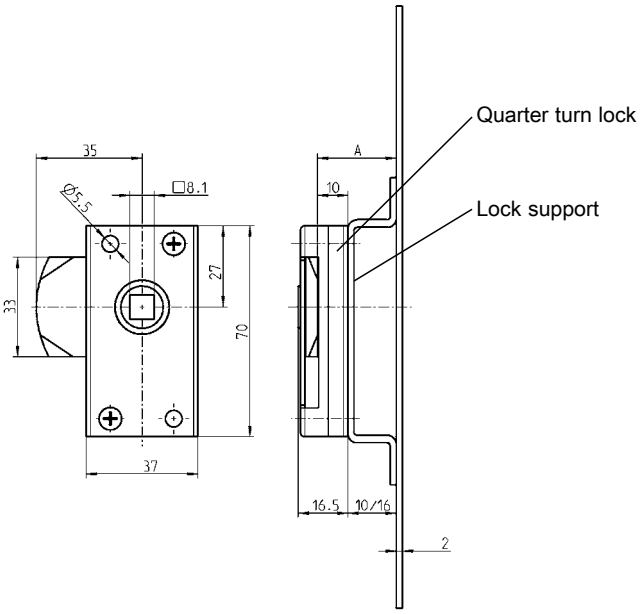
Lock for quarter turn, hooked cam and rod control

PROGRAM weld-on

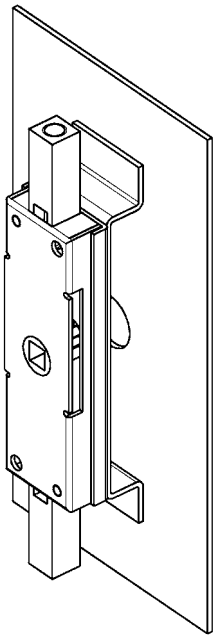
Quarter turn lock



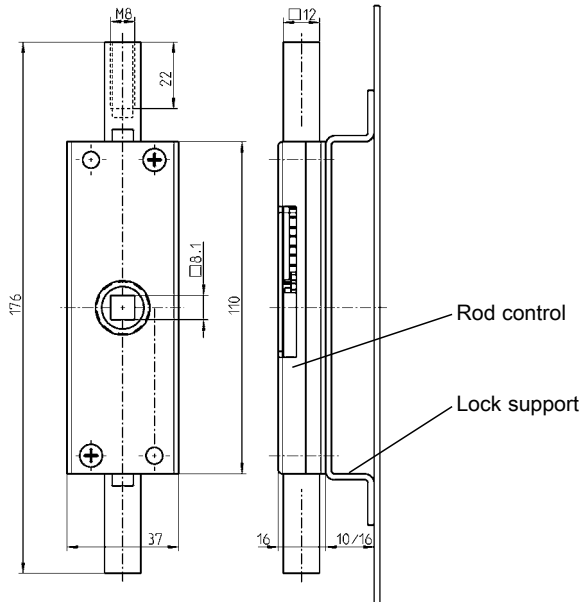
90° turn



Two-sided lock for screw-in rod



180° turn
Stroke 32 mm

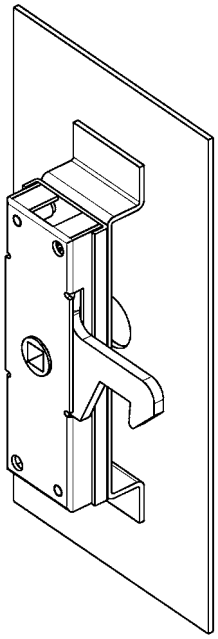


Quarter turn lock m.s. zinc-plated, right and left usable	
	1002-U1
Support m.s. raw	
A20	1002-04
A26	1002-05
Rod control with two-sided lock m.s. zinc-plated	
Right	1001-U19
Left	1001-U20
Support m.s. raw	
A20	1001-18
A26	1001-19

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Hook latch

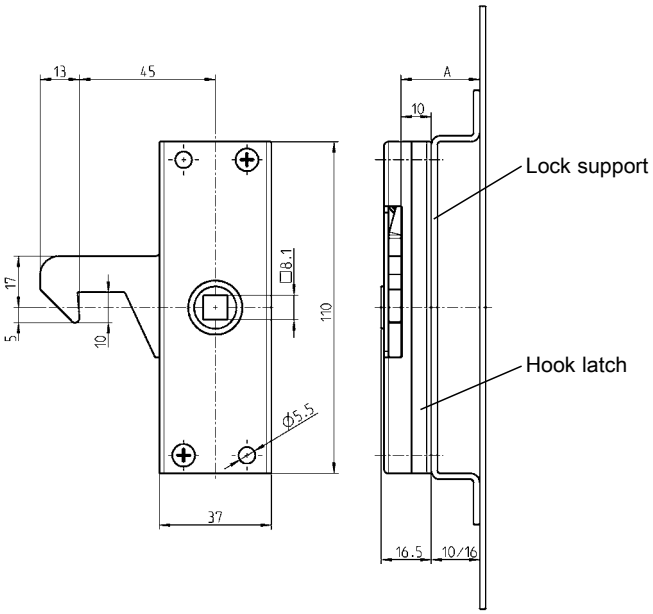
Hooked cam free running
(locks in place even
when the handle is closed)











Hook latch m.s. zinc-plated	
Right	1001-U30
Left	1001-U31
Support m.s. raw	
A20	1001-18
A26	1001-19

Further parts see page

– Insert	2B-160
– T-handle	2B-160
– L-handle	2B-160
– Ring handle insert	2B-190
– Rod	1C-620
– Adapter system for insulated doors	2A-180

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Rod control

PROGRAM weld-on





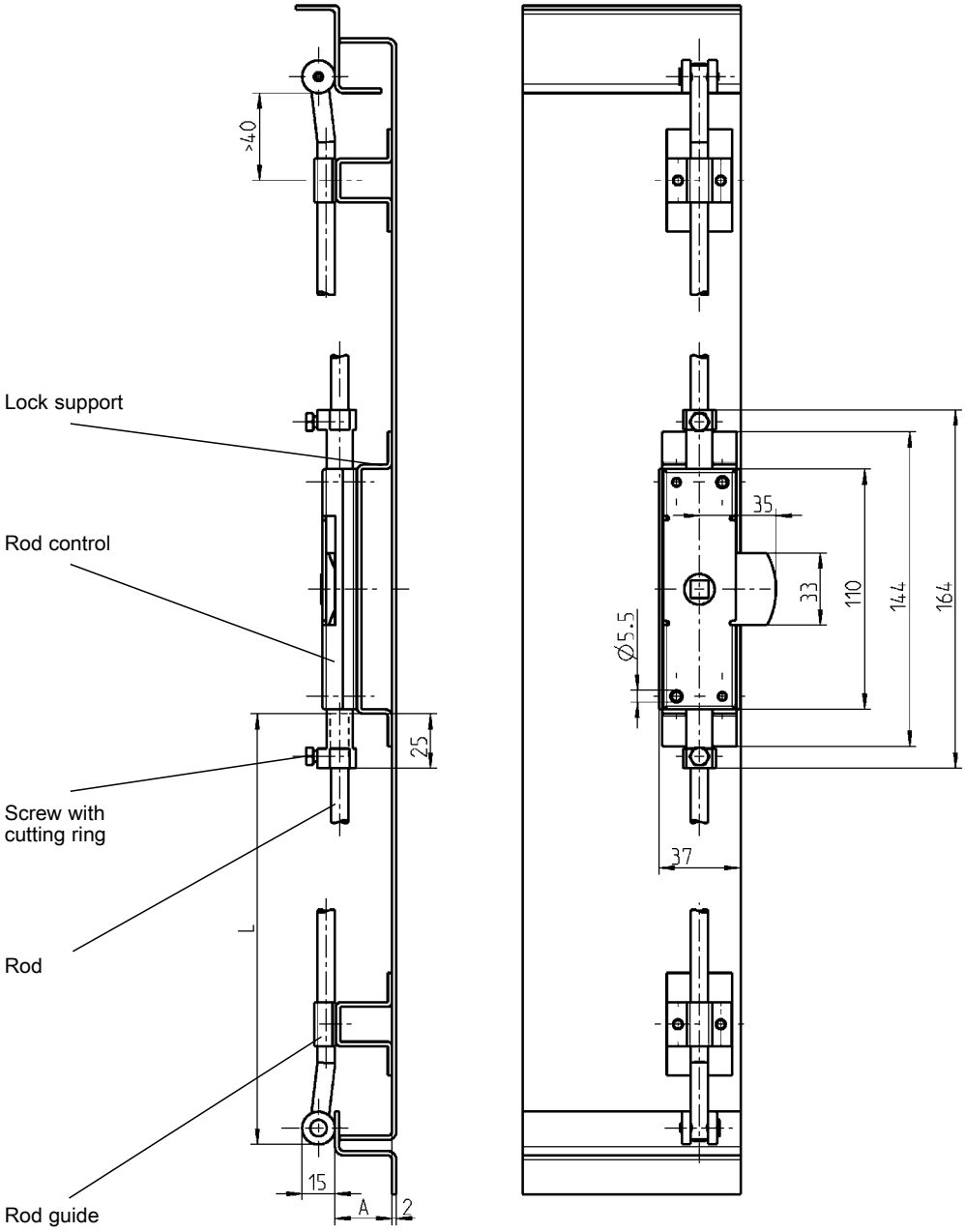
Three-sided lock for plug-in rod
Stroke 13 or 18 mm

90° turn









Rod control can also be operated with socket spanner when mounted without insert., see catalogue page 12B-120.

Further parts see page

– Insert, bezel	2B-160
– L-handle	2B-160
– T-handle	2B-160
– Ring handle insert	2B-190
– Rod	1C-620

Program 1107

– Swinghandle	3A-220

Rod control m.s. zinc-plated	Stroke 13	Stroke 18
Right	1049-U1	1049-U19
Left	1049-U2	1049-U20
Support m.s. raw	**A20**	**A26**
	1001-18	1001-19

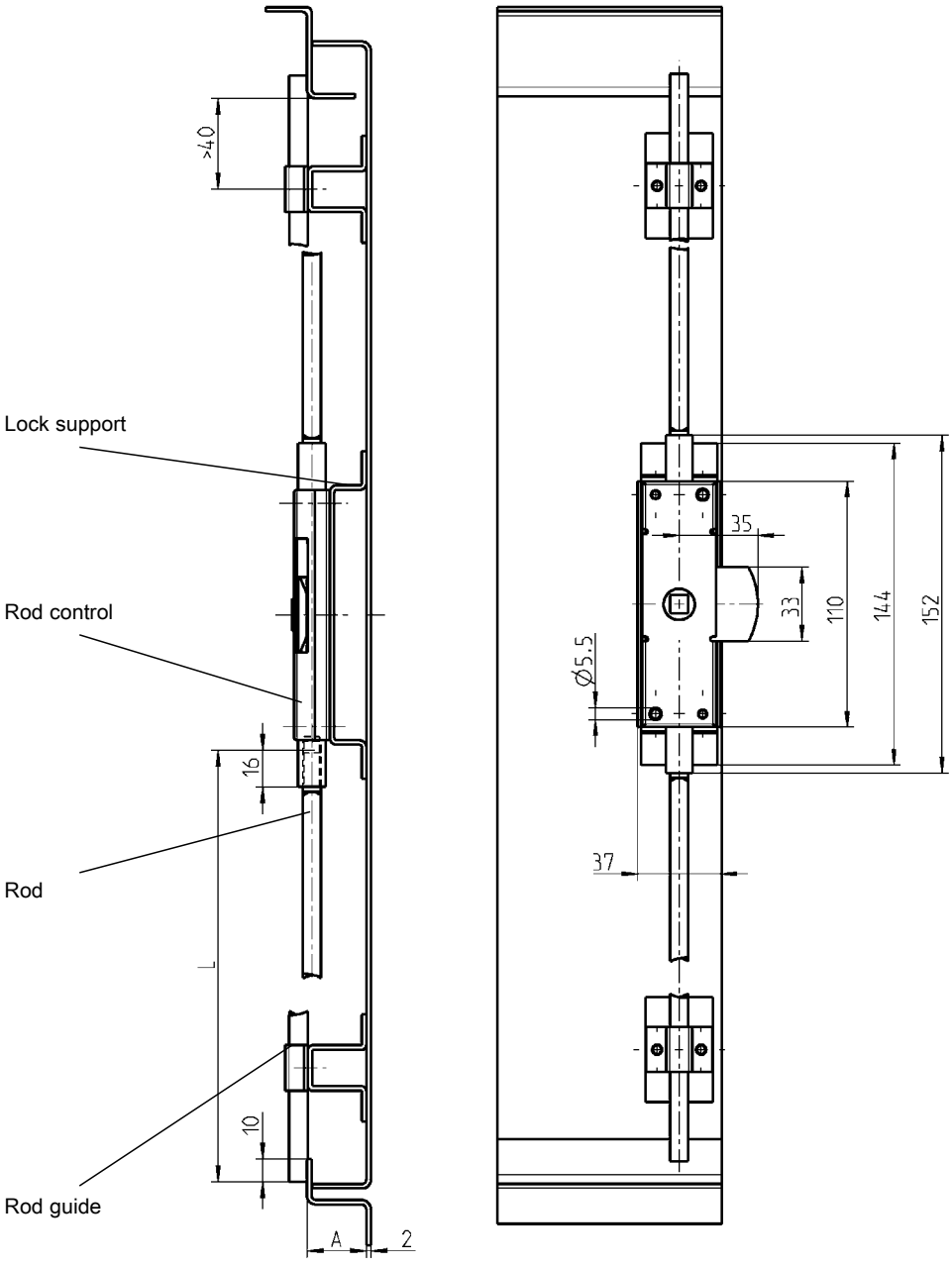
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Rod control

PROGRAM weld-on

Three-sided lock for screw-in rod
Stroke 13 mm

90° turn





Rod control can also be operated with socket spanner when mounted without insert., see catalogue page 12B-120.

Rod control m.s. zinc-plated		Stroke 13
Right		1001-U1
Left		1001-U2
Support m.s. raw	**A20**	**A26**
	1001-18	1001-19

Further parts see page

– Insert, bezel	2B-160
– L-handle	2B-160
– T-handle	2B-160
– Ring handle insert	2B-190
– Rod	1C-620

Program 1107

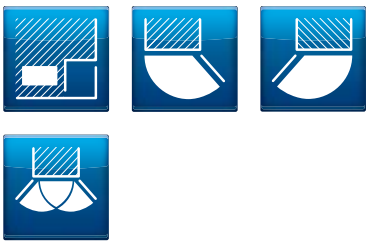
– Swinghandle	3A-220

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EMKA® Beschlagteile

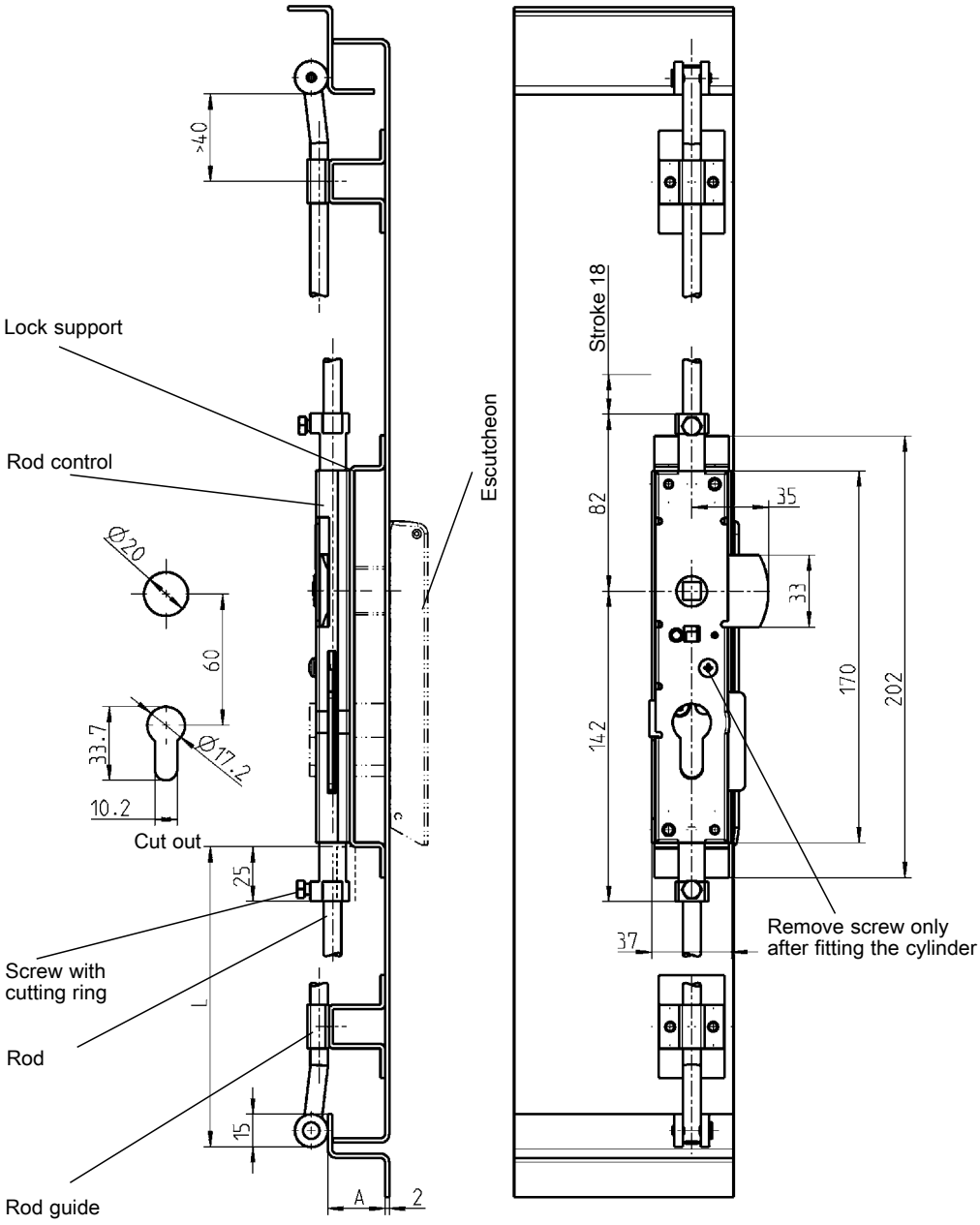
Rod control for profile half cylinder

PROGRAM weld-on





90° turn
Stroke 18 mm



Rod control m.s. zinc-plated	
Right	1068-U1
Left	1068-U2
Support m.s. raw	
A20	1017-14
A26	1017-15
Blind plug for profile half cylinder cut out	
A20	1059-U1
A26	1059-U2

Further parts see page

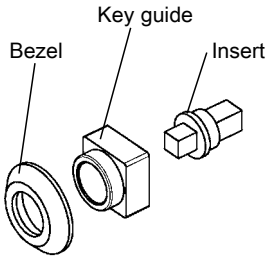
– Insert, bezel	2B-160
– T-handle	2B-160
– L-handle	2B-160
– Ring handle insert	2B-190
– Rod	1C-620
– Profile half cylinder	2B-220
– Escutcheon	8D-120

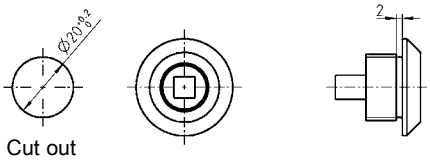
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Items printed in gray without stock

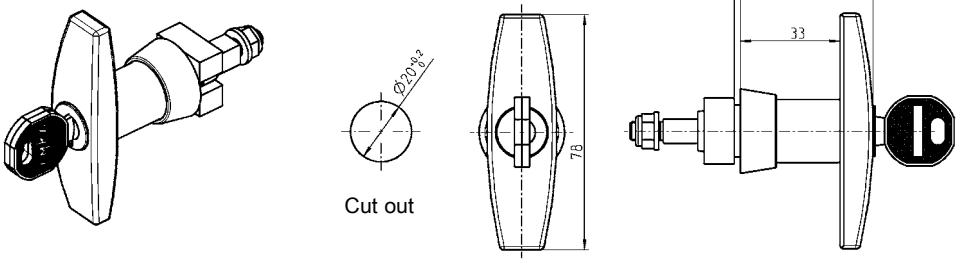
Insert and handle

PROGRAM weld-on

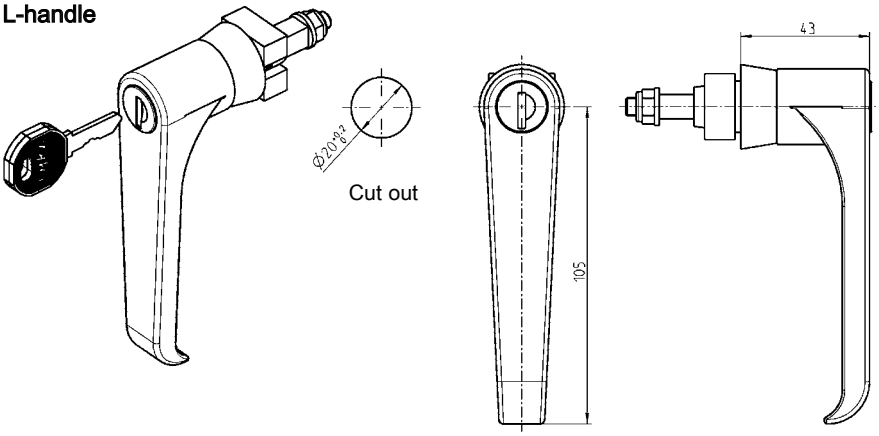




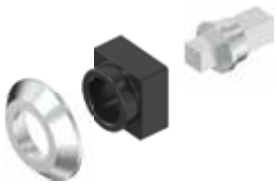
T-handle



L-handle











Insert zinc die chrome-plated	
Square 7	1001-23
Square 8	1001-24
Triangular 7	1001-25
Triangular 8	1001-26
Double bit 3	1001-27
Double bit 5	1001-28
Daimler Benz	1001-34

Key guide ABS	A20	A26
Square and triangular	1001-31	1001-32
Double bit	1001-29	1001-30
Daimler Benz	1001-35	1001-36

Bezel, self-adhesive	
ABS chrome-plated	1001-33
to achieve an optical look alike with quarter turn page 1B-140	

T-Handle zinc die chrome-plated, nut m.s. zinc-plated	A20	A26
non locking	1005-U1	1005-U4
keyed EK 333	1005-U2	1005-U5
keyed different	1005-U3	1005-U6

L-Handle zinc die chrome-plated, nut m.s. zinc-plated	A20	A26
non locking	1044-U1	1044-U4
keyed EK 333	1044-U2	1044-U5
keyed different	1044-U3	1044-U6
Square 7	1044-U7	1044-U8
Square 8	1044-U11	1044-U12
Triangular 7	1044-U13	1044-U14
Triangular 8	1044-U15	1044-U16
Double bit 3	1044-U17	1044-U18
Double bit 5	1044-U19	1044-U20
Daimler Benz	1044-U9	1044-U10
Eastern Europe Ø 13 half-round	1044-U21	1044-U22

Note:
Insert with spring loaded return (two-hand operation)

Further parts see page

– Dust cap for T-handle 1C-340
– Key 8B-120
– Spare key 8B-140
– Hook latch 2B-120
– Rod control 2B-130 to 2B-140

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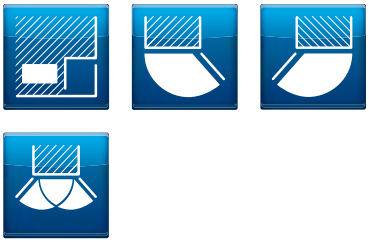
Items printed in gray without stock

EMKA®

Beschlagteile

Rod control, pressure tight system

PROGRAM weld-on



Version A

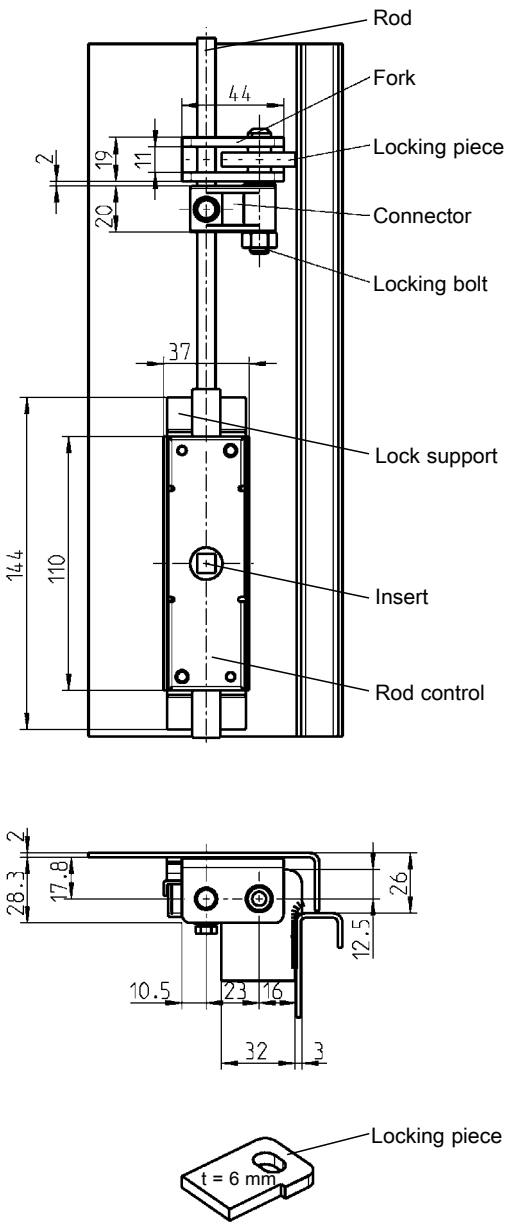


Version B

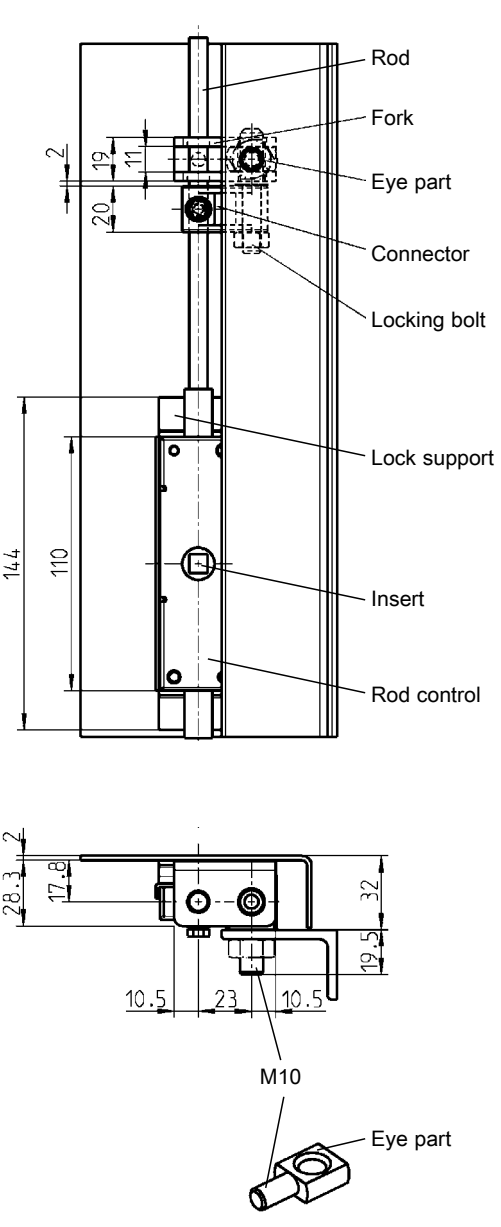




Version A



Version B



Rod control m.s. zinc-plated	Stroke 18
Right	1001-U9
Left	1001-U10
Support m.s. raw	1001-18
Insert zinc die chrome-plated	
Double bit 5	1001-28
Key guide ABS	1001-29
Bezel ABS chrome pl.	1001-33
Rod m.s. zinc-pl.	
1000 mm long	1092-03
Pressure fitting complete consisting of following single components: Fork m.s. raw, connector zinc die zinc-plated, locking pin m.s. zinc-plated and	
Version A: Locking piece m.s. raw	1092-U03
Version B: Screw-on eye m.s. zinc-plated	1092-U04

Single components on request

Further parts see page
– Screw-on hinge 4A-260

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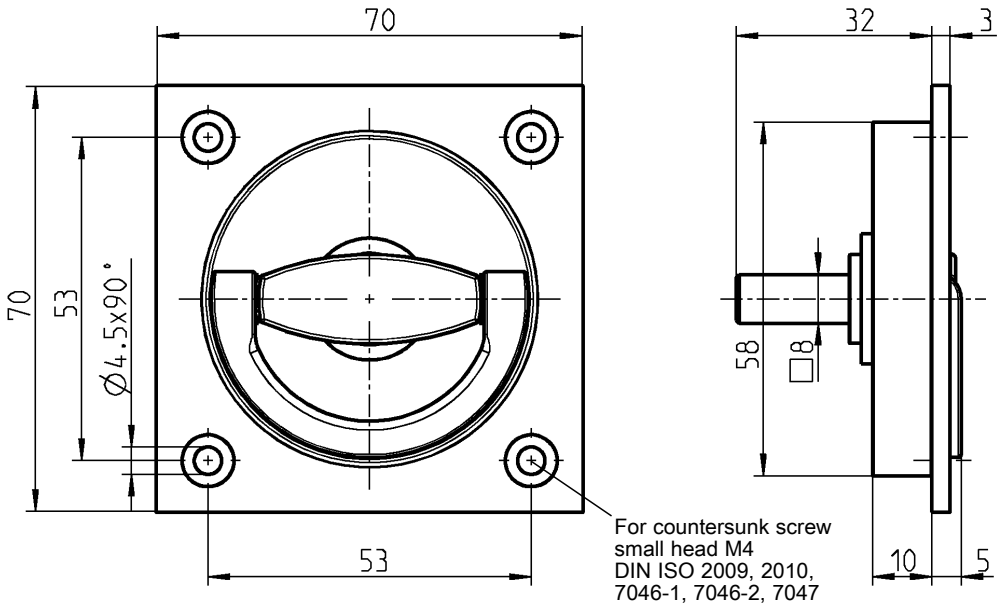
Ring-handle insert

PROGRAM 1098

EMKA® Beschlagteile

IP65

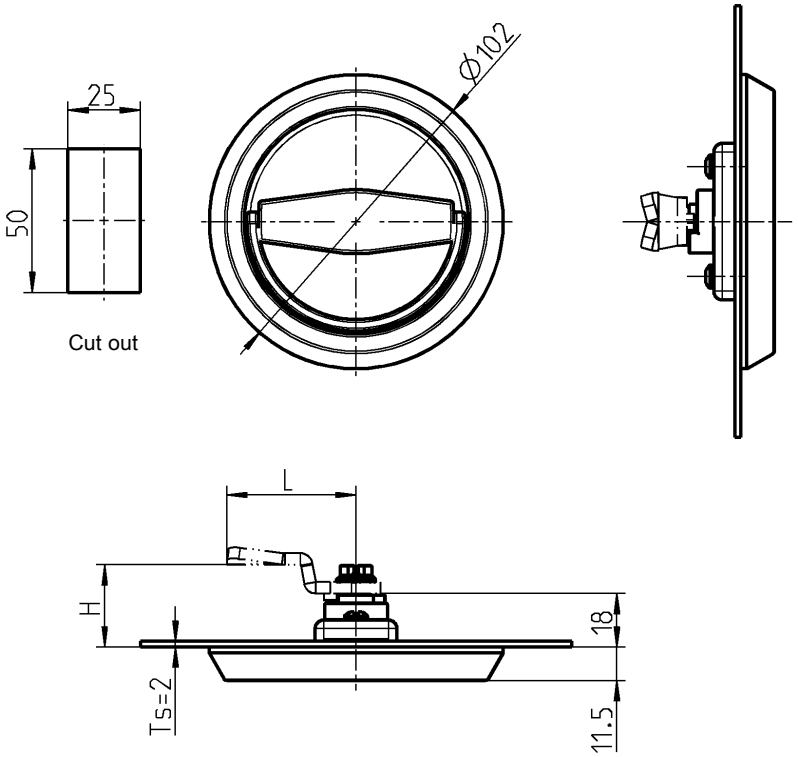
AISI INOX





Ring-handle insert zinc die silver powder-coated	
	1098-U1

EDELSTAHL Rostfrei STAINLESS STEEL





Further parts see page
– Cam with catch 1C-120
(not suitable for
stainless steel slam cam)

Ring-handle quarter turn AISI 316 Ti, with seal	
IP 65	1098-U2

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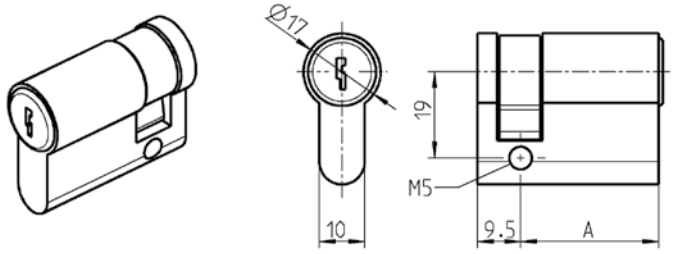
EMKA®
Beschlagteile

Profile half cylinder

PROGRAM universal



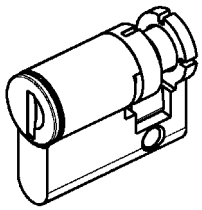
Profile half cylinder according to DIN 18252 (EN 1303)



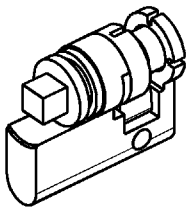
Profile half cylinder according to DIN 18252, brass nickel-plated with 3 keys		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
keyed different	A = 40	1089-U3
keyed 110319 N	A = 40	1089-U4
(Master key system on request)		



EMKA profile half cylinder with round cylinder, rotates 360°



EMKA Profile half cylinder with insert, rotates 360°

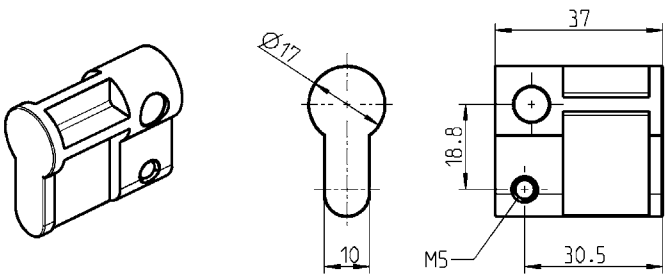




EMKA profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap, each round cylinder has one silver steel key with grip polyamide GF black, rotates 360°	
keyed different or keyed EK 333	on request
EMKA profile half cylinder with insert zinc die chrome-plated, rotates 360°	
Insert, e.g. square, triangular, double bit, slot and more	on request



Blind plug



Blind plug polyamide GF black	
	1109-09-AA



Further parts see page

– Key 8B-120
– Spare key 8B-140
– Rod control 2A-120
2B-140

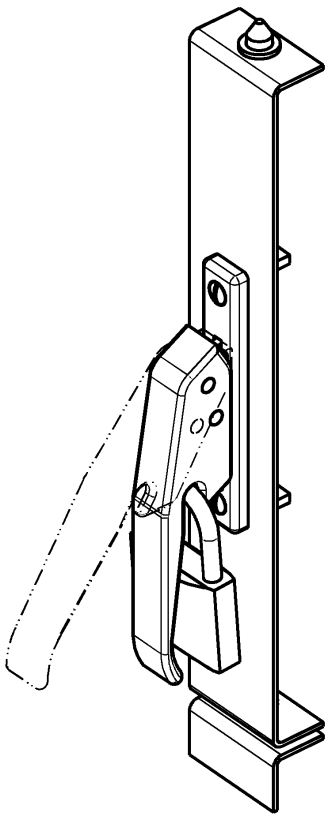
Blind plug for rod control Program 1068	A20	A26
(Illustration see righ side, bottom)	1059-U1	1059-U2

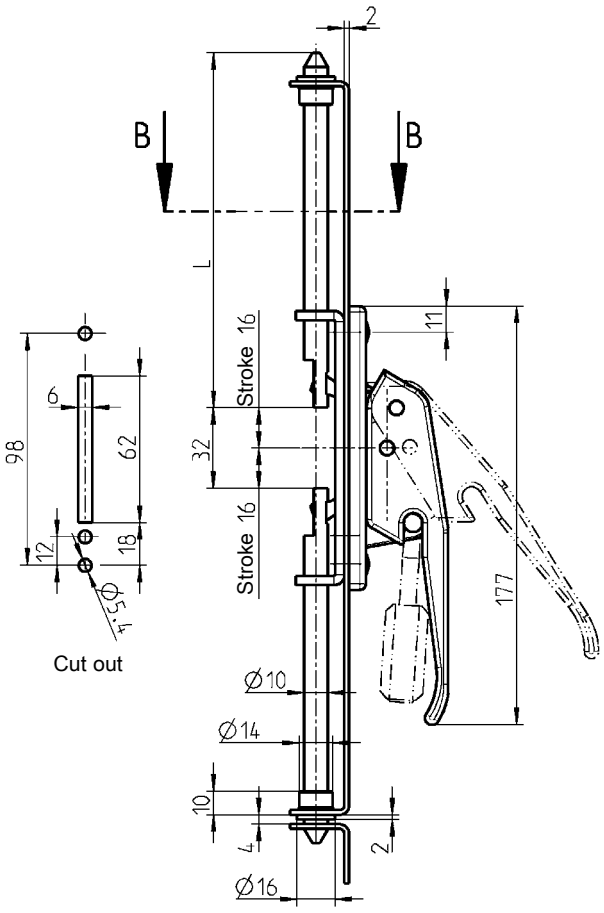
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Items printed in gray without stock

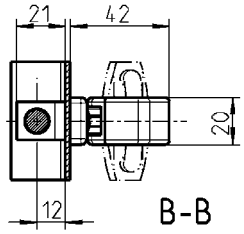
Lever locking system

PROGRAM 1099





Cut out



B-B

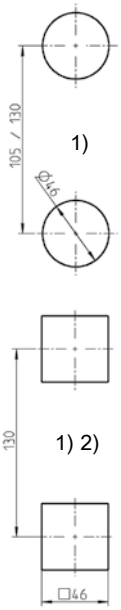
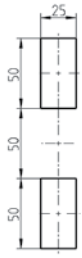
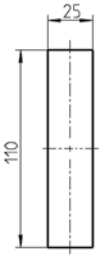
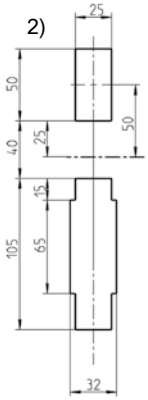
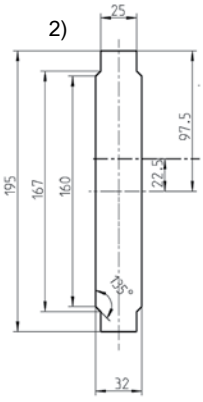
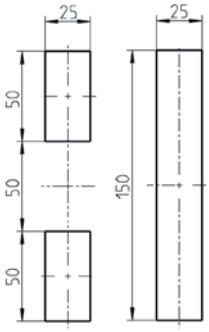
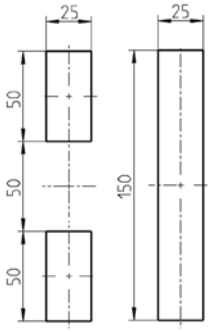
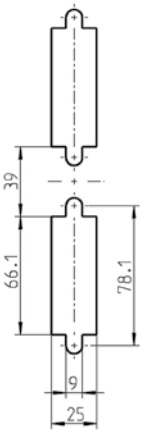




Lever version of choice, guiding bracket m.s. zinc-plated, guiding bushes brass nickel-plated, screws m.s. zinc-plated	
Lever zinc die silver powder-coated	1099-U1
Lever polyamide black	1099-U4
Lever for padlock zinc die silver powder-coated	1099-U6
Rod m.s. zinc-plated	
L = 1100 mm	1099-03
Other rod lengths available on request	

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Swinghandles, lifthandles and escutcheons, Part 1

1107	*1125*	*1125*	*1150*	*1150*	*1150*
Swinghandle	Swinghandle	Double cylinder swinghandle	Swinghandle 1150	Swinghandle 1150	Swinghandle 1151
3A-100	3B-100	3B-100	3C-100	3C-100	3C-100
					
1)	1)	2)			
					
1)	1)				
					
1) 2)	2)	2)			
●	●	●	●	●	●
	●		●	●	●
IP 65	IP 40/IP 65	IP 65	IP 65	IP 40	IP 54/IP 65
	●		●		●
	●		●	Emergency opening	●
●	●	●			●
				●	●
●	●		●		●
					●
●	●	●	●		
●			●		
	●		●	●	●
	●				
	●				

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1150	1150	1150	1150	
Swinghandle 1152	Swinghandle 1153	Swinghandle 1154	Swinghandle 1154	
3C-100	3C-100	3C-100	3C-100	see catalogue page

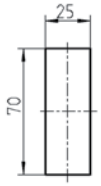


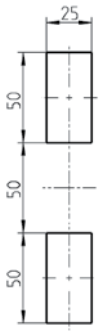






Please see next page.
Overview of further products.





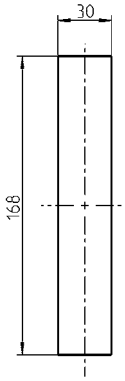
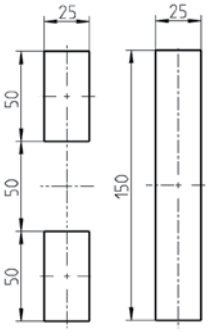
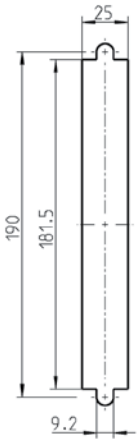
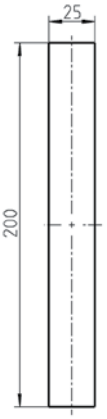
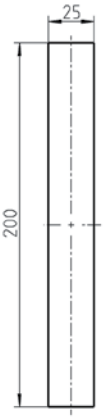




●	●	●	●	Inside the sealing
				Outside the sealing
IP 40/IP 65	IP 65	IP 65	IP 65	IP-Rating
				Unlocked with insert
●			●	Unlocked with round cylinder
	●	●		Unlocked with profile half cylinder
			●	Unlocked electronically
●	●	●		Unlocked without key
				Modular technology
●				Handle and dish polyamide
				Handle zinc die and dish polyamide
●	●	●	●	Handle and dish zinc die
		●		Handle and dish stainless steel
				Fitting escutcheons

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Swinghandles, lifthandles and escutcheons, Part 2

1150	1150	1160	1180	1180	1180
Swinghandle 1154	Swinghandle 1155	Swinghandle	Swinghandle 1180	Swinghandle 1185	Swinghandle 1185
3C-100	3C-100	3D-100	3E-100	3E-100	3E-100
			 1)	 2)	
			1) 	1) 2) 	
●	●	●	●	●	●
	●	●	●	●	●
IP 65	IP 65	IP 65	IP 54	IP 54	IP 65
		●	●	●	
	●	●	●	●	●
●			●	●	
			●	●	
	Combination lock	●	●	●	●
			●	●	
	●			●	
		●	●		
		●			●
●					
		●	●		

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1190	1190	1190	1225	1225	
Lifthandle	Lifthandle	Lifthandle	Swinghandle	Double cylinder swinghandle	
3F-100	3F-100	3F-100	3G-100	3G-100	see catalogue page







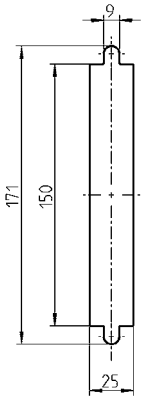


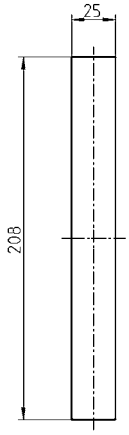


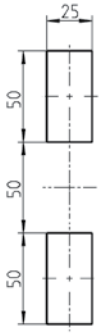
Please see next page.
Overview of further products.

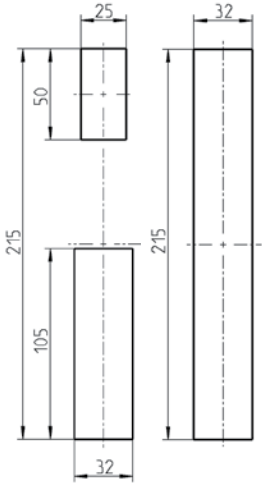
Please see previous page.
Overview of further products.







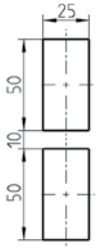
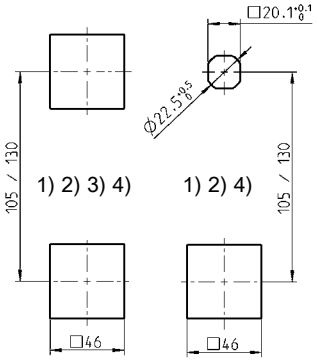
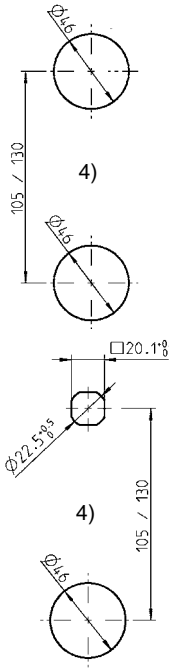
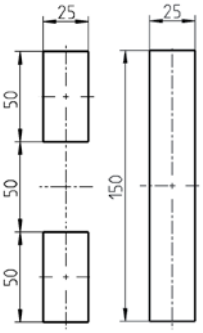




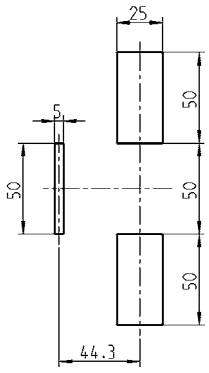
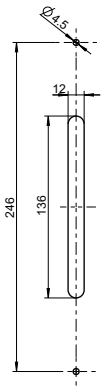
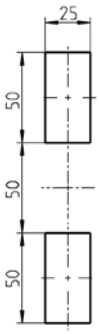
			●	●	Inside the sealing
●	●	●	●		Outside the sealing
IP 40	IP 40	IP 40	IP 40/IP 65	IP 65	IP-Rating
●	●		●		Unlocked with insert
●	●		●		Unlocked with round cylinder
●		●	●	●	Unlocked with profile half cylinder
●					Unlocked electronically
●			●		Unlocked without key
●					Modular technology
●	●	●	●		Handle and dish polyamide
			●		Handle zinc die and dish polyamide
				●	Handle and dish zinc die
					Handle and dish stainless steel
●			●		Fitting escutcheons

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Swinghandles, lifthandles and escutcheons, Part 3

1225	1317	1317	1317	1317	1325
Swinghandle	Swinghandle	Swinghandle	Swinghandle Outdoor	Swinghandle	Swinghandle
3G-100	3AB-100	3AB-100	3AB-100	3AB-100	3BA-100
	 1)	 2)	 3)	 4)	
	 1) 2) 3) 4)	1) 2) 4)	 4)		
●	●	●	●	●	●
					●
IP 65	IP 65	IP 65	IP 65	IP 65	IP 40/IP 65
				●	●
●				●	●
	●	●	●	●	●
	●		●		
				●	●
			●	●	●
●		●		●	●
	●	●	●		
					●

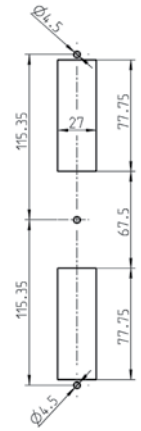
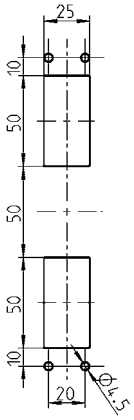
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1325	1390	2100	2225	
Swinghandle	Lifthandle	Swinghandle	Swinghandle	
3BA-100	3FA-100	3H-100	3J-100	see catalogue page
				Please see next page. Overview of further products.
				Please see previous page. Overview of further products.
●		●	●	Inside the sealing
●	●	●		Outside the sealing
IP 65		IP 54	IP 65	IP-Rating
●	●	●	●	Unlocked with insert
●	●	●	●	Unlocked with round cylinder
●	●	●	●	Unlocked with profile half cylinder
		●		Unlocked electronically
●		●		Unlocked without key
●	●	●	●	Modular technology
●	●			Handle and dish polyamide
		●		Handle zinc die and dish polyamide
			●	Handle and dish zinc die
				Handle and dish stainless steel
	●	●		Fitting escutcheons

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EMKA ®Swinghandles, lifthandles and escutcheons, Part 4

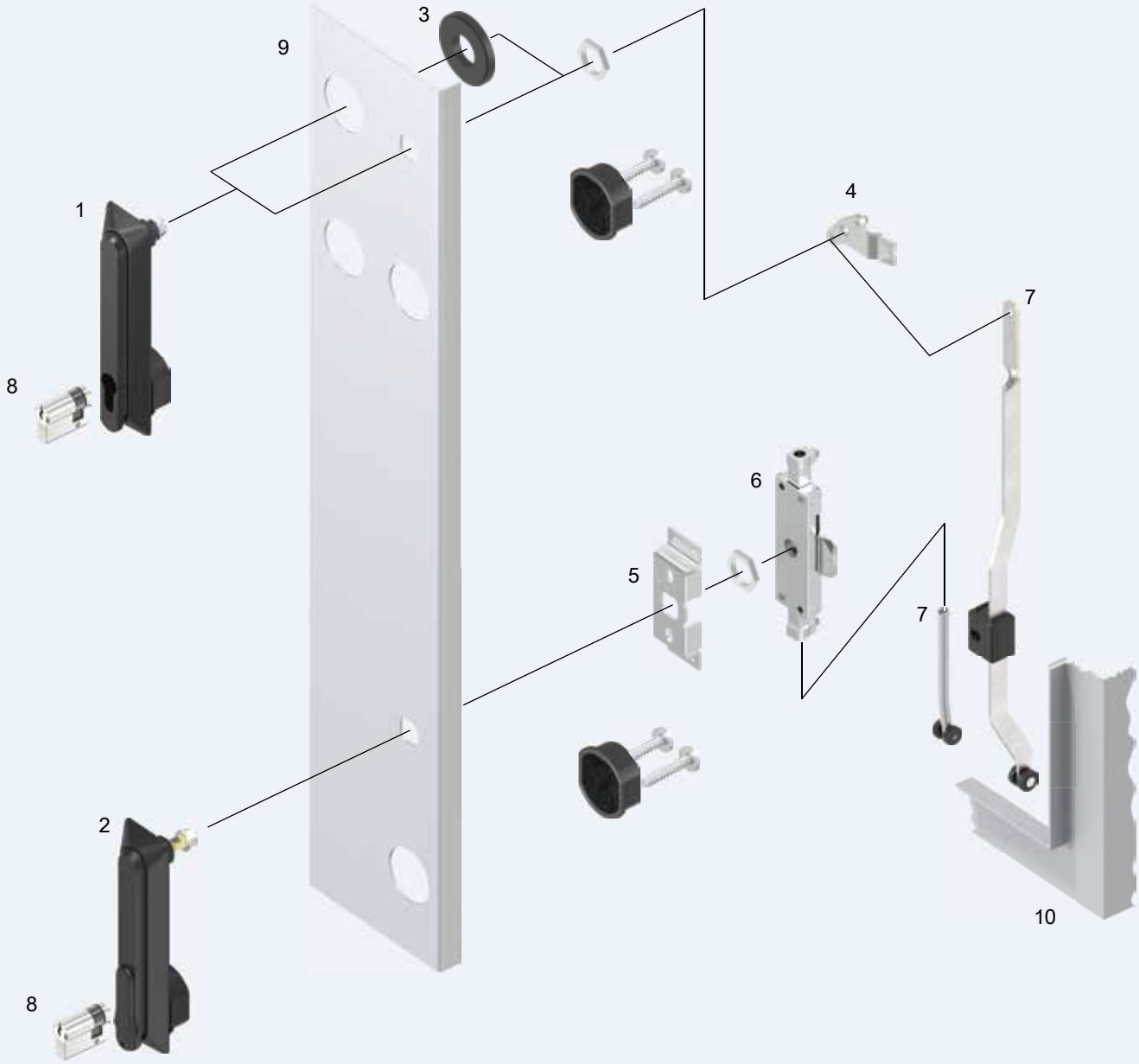
Beschlagteile

	2400 Swinghandle	3000 Swinghandle		
see catalogue page	3K-100	3N-100		
				
				
Inside the sealing		●		
Outside the sealing	●	●		
IP-Rating	IP 40			
Unlocked with insert	●			
Unlocked with round cylinder	●			
Unlocked with profile half cylinder	●			
Unlocked electronically	●	●		
Unlocked without key	●			
Modular technology	●			
Handle and dish polyamide	●			
Handle zinc die and dish polyamide		●		
Handle and dish zinc die				
Handle and dish stainless steel				
Fitting escutcheons				

Please see previous page.
Overview of further products.

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Swinghandle
Program 1107



1	Swinghandle	3A-120, 3A-140
2	Swinghandle	3A-220
3	Adapter ring	
4	Cam	
5	Support	
6	Rod control	
7	Rod	
8	Profile half cylinder	
9	Door	
10	Housing/frame	

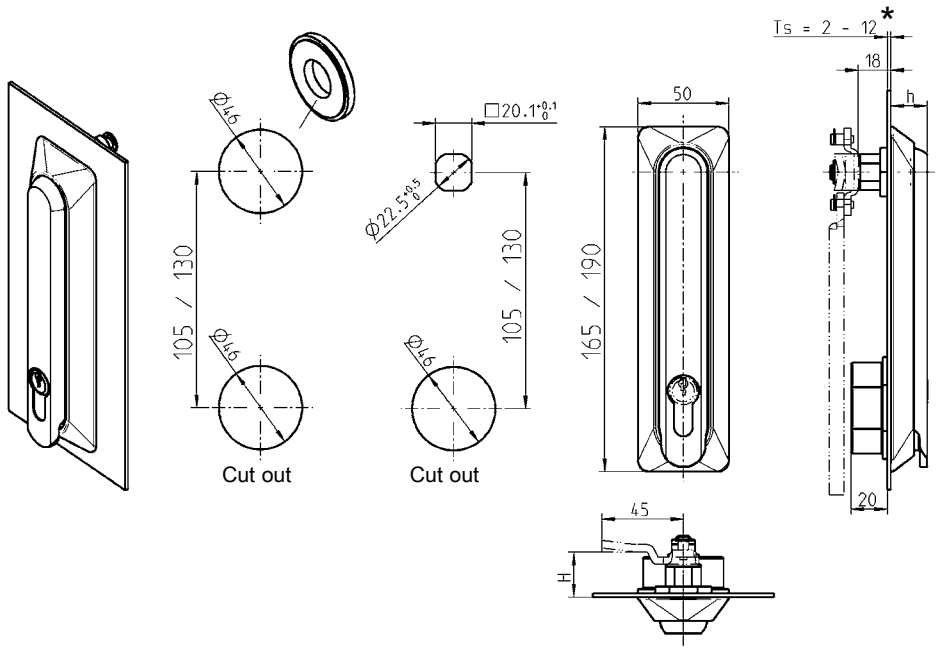
EMKA® Beschlagteile

Swinghandle

PROGRAM 1107







Attention:
With adapter the maximum door gauge (Ts) will be 6 mm

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

Swinghandle 'long' or 'short' handle polyamide GF black; dish polyamide GF V0 black; shaft brass; cylinder cover polyamide GF black; fixing material m.s. zinc plated; with seal	
Swinghandle 'long' (190) without cylinder cover	
for 40 mm profile half cylinder (h = 20 mm)	1107-U1-G
Swinghandle 'long' (190) with cylinder cover, sealable	
for 40 mm profile half cylinder (h = 20 mm)	1107-U2-G
for 40 mm profile half cylinder (h = 20 mm) (handle zinc die black powder-coated)	1107-U102-G
for 45 mm profile half cylinder (h = 25 mm)	1107-U32-G
Swinghandle 'short' (165) without cylinder cover	
for 40 mm profile half cylinder (h = 20 mm)	1107-U158-G
Swinghandle 'short' (165) with cylinder cover, sealable	
for 40 mm profile half cylinder (h = 20 mm)	1107-U159-G
for 45 mm profile half cylinder (h = 25 mm)	1107-U169-G
Adapter ring polyamide GF black, required for cut out version A	
	1107-53
* Order screw set separately if Ts = 4-12 mm	1107-U170

Further parts see page
– Cam 3YC-120
– Rod control for cam 3YC-180
– Profile half cylinder 3XB-120

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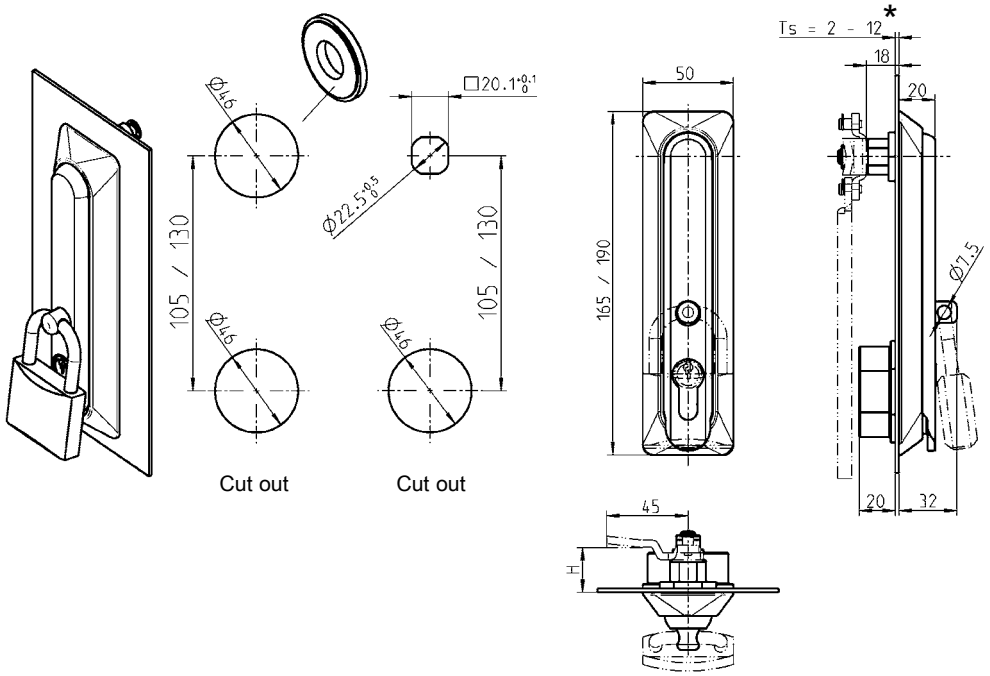
Items printed in gray without stock

Swinghandle for padlock

PROGRAM 1107

IP65

Version A **Version B**





Attention:
With adapter the maximum door gauge (Ts) will be 6 mm

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

Swinghandle 'long' or 'short' handle polyamide GF black; dish polyamide GF V0 black; shaft brass; padlock shackle AISI 303; fixing material m.s. zinc-plated; with seal	
Swinghandle 'long' (190)	
for 40 mm profile half cylinder	1107-U96-G
Swinghandle 'short' (165)	
for 40 mm profile half cylinder	1107-U164-G
Adapter ring polyamide GF black, required for cut out version A	
	1107-53
* Order screw set separately if Ts = 4-12 mm	1107-U170

Further parts see page

– Cam	3YC-120
– Rod control for cam	3YC-180
– Profile half cylinder	3XB-120

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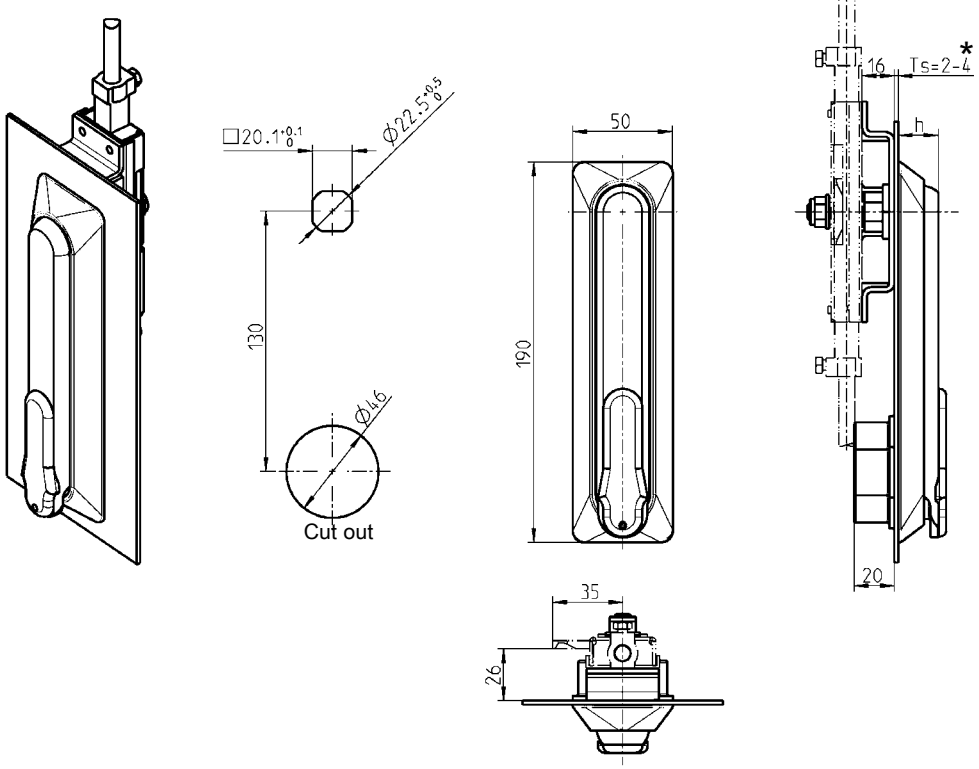
EMKA® Beschlagteile

Swinghandle

PROGRAM 1107







* Ts > 4 to 11 mm on request

Further parts see page

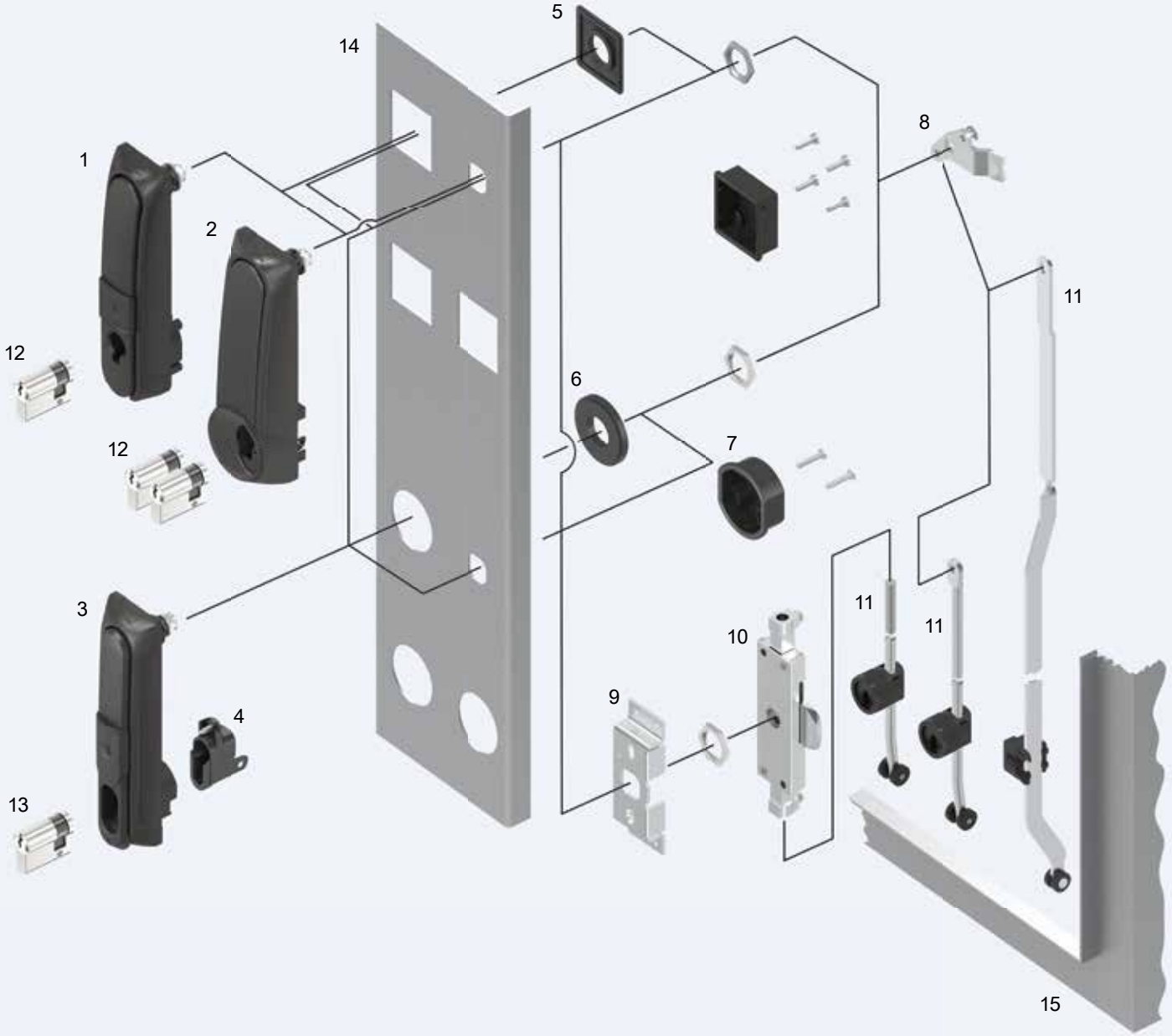
– Rod control	2B-130
	2B-135
– Profile half cylinder	3XB-120

Handle material of choice; dish polyamide GF V0 black; cylinder cover sealable polyamide GF black; shaft brass; fixing material m.s. zinc-plated; with seal; for 40 mm profile half cylinder (h = 20 mm)	
Handle polyamide GF black	1107-U14-G
Handle zinc die black powder-coated	1107-U104-G
Support m.s. zinc-plated	
RH and LH version	1001-50

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Items printed in gray without stock

Swinghandle
Program 1317



1	Swinghandle with RC2	3AB-120; 3AB-180
2	Double cylinder swinghandle with RC2	3AB-160; 3AB-220
3	Swinghandle with modular locking system	3AB-140; 3AB-220
4	Locking set	
5	Adapter plate	
6	Adapter ring (not included in scope of delivery)	
7	Cap (not included in scope of delivery)	
8	Cam	
9	Support	
10	Rod control	
11	Rod	
12	Profile half cylinder	
13	Locking set, e.g. profile half cylinder	
14	Door	
15	Housing / Frame	

Swinghandle with RC2, mechanical or electromechanical release

PROGRAM 1317

Resistance class:	RC2 DIN EN 1630, achieved by profile half cylinder according to DIN EN 18252-BZ or DIN EN 1303 with resistance class 2 with protection against drilling and pulling. The profile half cylinder should be certified and monitored by PIV CERT or alternatively by a certifying body according to DIN EN ISO/IEC 17065.
Size:	'long' (189.5 mm, cut out 130 mm) or 'short' (164.5 mm, cut out 105 mm)
Material:	Zinc die black powder-coated or zinc die grey powder-coated (RAL 7038) or zinc die grey powder-coated (RAL 7038) and anti-graffiti coated

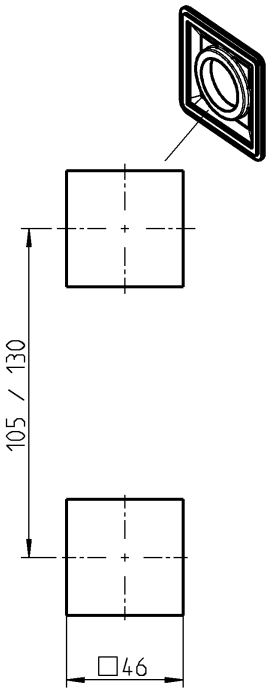
Mechanical version:

Profile half cylinder:	40 mm and 45 mm; set locking cam at 6 or 7 o'clock. At 3 or 5 o'clock push-to-close is not possible.
Sealable:	Yes

Electromagnetic version (EL):

Application range:	Indoor and outdoor from -30°C to +80°C
Release:	By applying a 48 V DC signal
Power-on time:	Up to 1 minute
Display:	Optional by LED
Remote monitoring:	Status indication via Reed contact
Closing:	Push the handle into the dish until the locking mechanism engages
Emergency opening:	Optional with 40 mm or 45 mm profile half cylinder

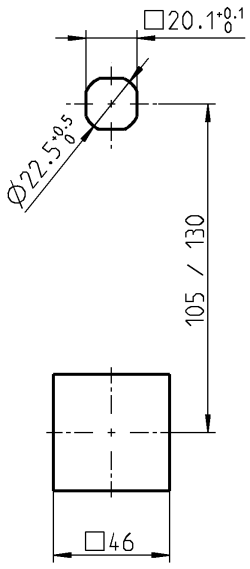
Version A



Cut out

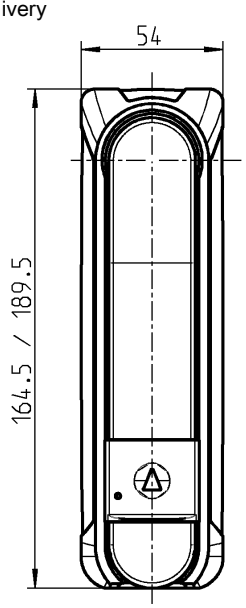
Version B

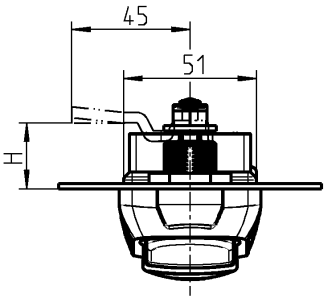
Adapter plate included in scope of delivery

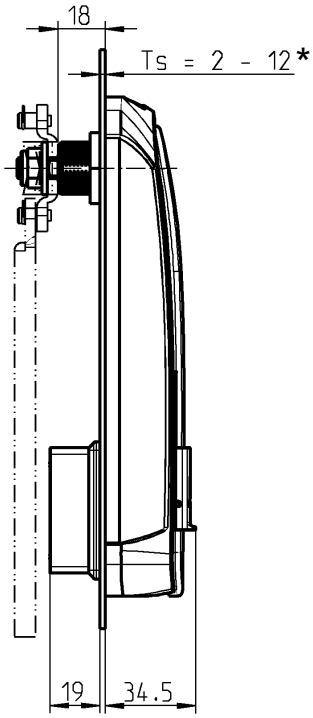


Cut out

Ts > 6 mm -12 mm on request







Product benefits

- The swinghandle has successfully passed the test according to RC2 DIN EN 1630
- The IK 10 protection class test in accordance with DIN EN 50102 was successfully passed
- Integrated scratch protection prevents surface damage (handle / dish)
- Tested and approved by Deutsche Telekom

Note:
Without profile half cylinder, opening is only possible by temporary key 1004-44-01AA

Attention:
With use of an adapter plate the maximum door gauge (Ts) is 6 mm.

Note:
If door gauge (Ts) > 6 mm standard round rods cannot be used!

** In case of mechanical and the electromechanical version, only the profile half cylinder according to DIN EN 18252 and DIN EN 1303 can be used.

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Swinghandle 'long' or 'short'
dish and handle zinc die surface on request
shaft brass; cylinder cover polyamide black or grey (RAL 7038);
cap zinc die black powder coated; adapter plate polyamide GF black for cut out version A;
blind plug polyamide GF black (loose), spring, data sheet and assembling instruction included in the electromechanical version;
fixing material m.s. zinc-plated; with seal

Swinghandle 'long' (189.5) **GD-Zn black powder-coated**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U122
Mechanical version for 45 mm profile half cylinder	1317-U123
Mechanical version for KABA cylinder type 1514	on request
Electromechanical version optional for 40 and 45 mm profile half cylinder	1317-U161-02
Swinghandle 'long' (189.5) **zinc die grey powder-coated (RAL 7038)**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U122-BO
Mechanical version for 45 mm profile half cylinder	1317-U123-BO
Swinghandle 'long' (189.5) **zinc die grey powder-coated (RAL 7038) and anti-graffiti coated**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U122-HJ
Mechanical version for 45 mm profile half cylinder	1317-U123-HJ
Mechanical version for KABA cylinder type 1514	on request
Electromechanical version optional for 40 and 45 mm profile half cylinder	1317-U161-02HJ
Swinghandle 'short' (164.5) **zinc die black powder-coated**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U102
Mechanical version for 45 mm profile half cylinder	1317-U103
Mechanical version for KABA cylinder type 1514	1317-U131
Electromechanical version optional for 40 and 45 mm profile half cylinder	1317-U151-02
Swinghandle 'short' (164.5) **zinc die grey powder-coated (RAL 7038)**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U102-BO
Mechanical version for 45 mm profile half cylinder	1317-U103-BO
Swinghandle 'short' (164.5) **zinc die grey powder-coated (RAL 7038) and anti-graffiti coated**	
Mechanical version for 40 mm profile half cylinder, with additional locking cam position 30°	1317-U102-HJ
Mechanical version for 45 mm profile half cylinder	1317-U103-HJ
Mechanical version for KABA cylinder type 1514	1317-U131-HJ
Electromechanical version optional for 40 and 45 mm profile half cylinder	1317-U151-02HJ
Building key polyamide black	
	1004-44-01AA





Note:
The electromechanical version is also available in 12 V DC on request.

Further parts see page
– Cam 3YC-120
– Rod control for cam 3YC-180
– ** Profile half cylinder 3XB-120

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Items printed in gray without stock

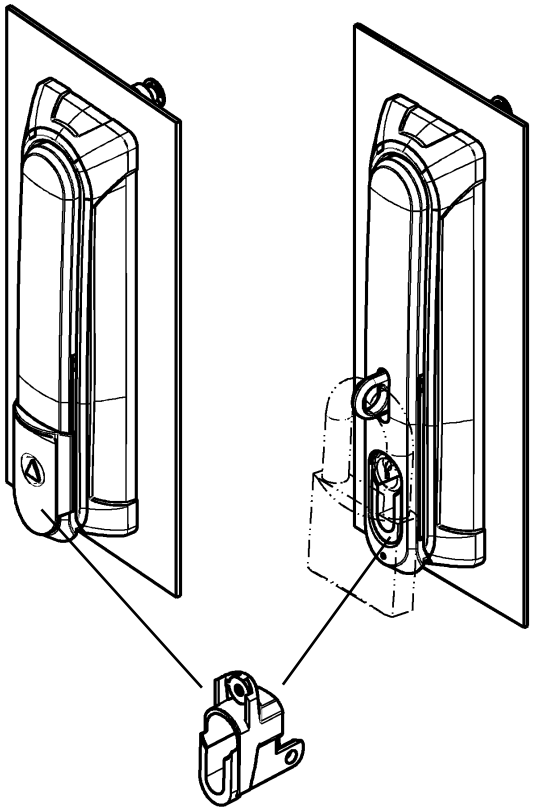
Swinghandle with modular locking system

PROGRAM 1317

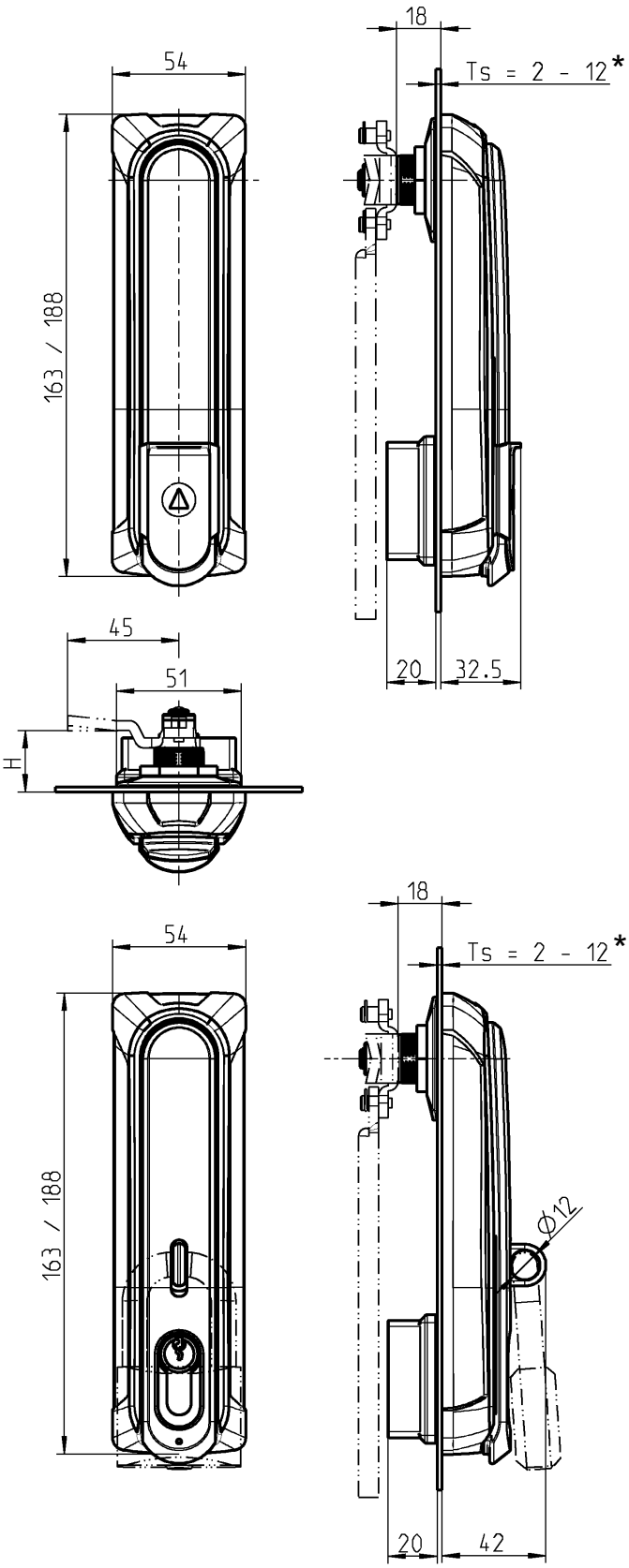
Single cylinder swinghandle

Size:	'long' (188 mm, cut out 130 mm)
or	'short' (163 mm, cut out 105 mm)
Material:	Polyamide GF black
Profile half cylinder:	40 mm
	45 mm
Sealable:	Yes, bore hole in dish necessary

Ts > 6 mm -12 mm on request



with modular locking system



Attention:
If the adapter plate or the adapter ring is used, the maximum door gauge (Ts) is 6 mm (with cut out version A and C)

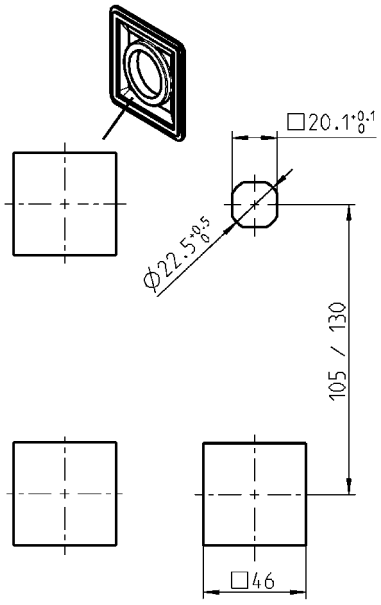
Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

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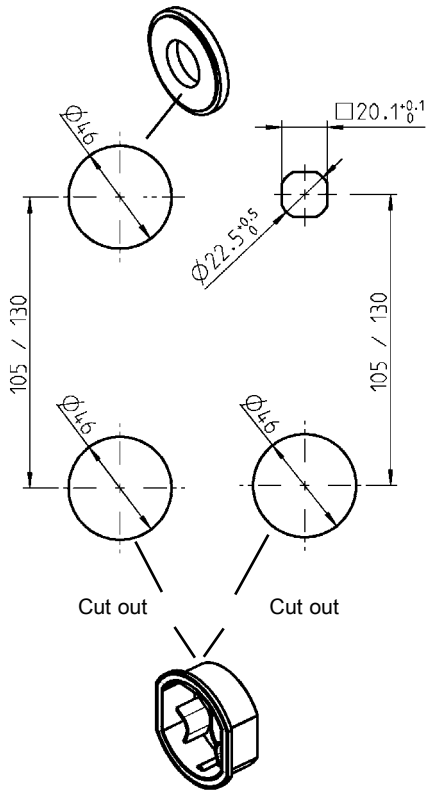
Version A **Version B**

Adapter plate included in scope of delivery



Version C **Version D**

Adapter ring not included in scope of delivery



Cap not included in scope of delivery

New defined standards

– Ergonomic surface feel
– Variable locking options
– Integrated scratch protection prevents surface damage (handle / dish)





Swinghandle 'long' or 'short'
handle polyamide GF black; dish polyamide GF black;
cylinder cover polyamide GF black (not for swinghandle for padlock);
shaft brass and POM GF black;
padlock shackle AISI 316 (for swinghandle for padlock);
cap polyamide GF V0 black;
adapter plate polyamide GF V0 black for cut out Version A;
fixing material m.s. zinc-plated; with seal

❶ (Please order locking system separately) ❷ (In case of profile half cylinder, the locking cam has to be at 90°)	without locking system ❶	with locking set for profile half cylinder ❷	
		40 mm (A = 30 mm)	45 mm (A = 35 mm)
Swinghandle 'long'	1317-U421	1317-U421-01	1317-U423-01
Swinghandle 'long' for padlock	1317-U426	1317-U426-01	on request
Swinghandle 'short'	1317-U401	1317-U401-01	1317-U403-01
Swinghandle 'short' for padlock	1317-U406	1317-U406-01	on request
required for cut outs C and D			
Adapter ring polyamide GF V0 black			1107-53
Cap polyamid V0 black			1107-11-03AA
* Order screw set separately if Ts = 4 - 12 mm			1107-U170

Locking set for different key systems (see catalogue page 3BA-220)

Further parts see page

– Profile half cylinder	3XB-120
– Locking set	3XC-120
– Cams	3YC-120
– Rod control for cam	3YC-180

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Items printed in gray without stock

Double cylinder swinghandle with RC2

PROGRAM 1317

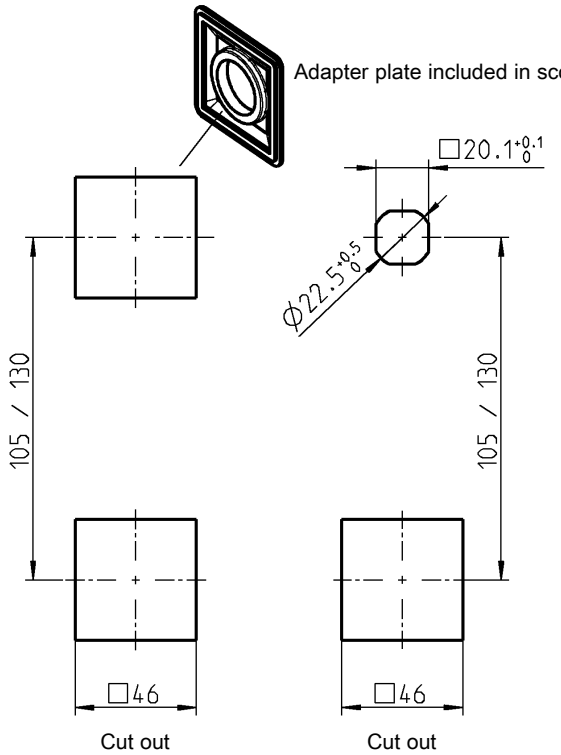
Double cylinder swinghandle

Resistance class:	RC2 DIN EN 1630, achieved by profile half cylinder according to DIN EN 18252-BZ or DIN EN 1303 with resistance class 2 with protection against drilling and pulling. The profile half-cylinder should be certified and monitored by PIV CERT or alternatively by a certifying body according to DIN EN ISO/IEC 17065.
Size:	'long' (189.5 mm, cut out 130 mm)
or	'short' (164.5 mm, cut out 105 mm)
Material:	Zinc die black powder-coated
or	Zinc die grey powder-coated(RAL 7038) and anti-graffiti coated
or	Polyamide GF black
or	Polyamide GF grey (RAL 7038)
	Polymide anti-graffiti coated on request
RC2:	Swinghandle zinc die
Profile half cylinder:	40 mm and 45 mm; set locking cam at 6 o'clock. Profile half cylinder on the right hand also possible at 5 o'clock.
Key removable:	Always removable or when handle is put in
Sealable:	Yes, bore hole Ø2 mm necessary in handle

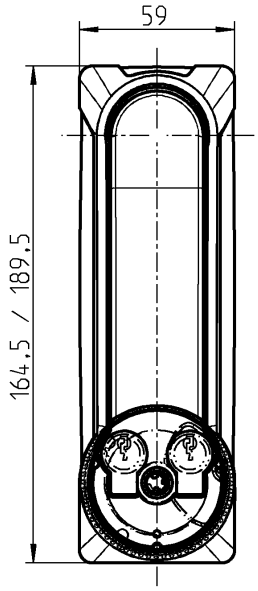


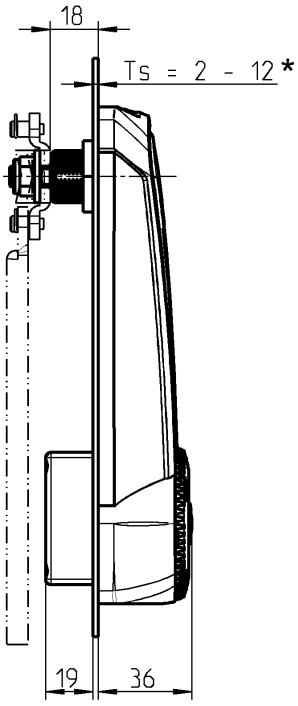
Version A **Version B**

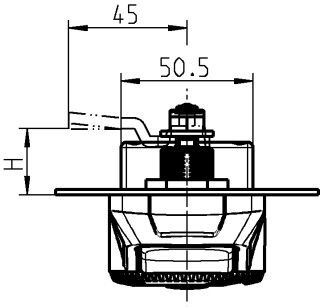
Adapter plate included in scope of delivery



Ts > 6 mm -12 mm on request







Product benefits

- Zinc die version fulfills the requirements of resistance class RC2 (protection against vandalism) according to DIN EN 1630
- Great flexibility regarding cost / benefit due to the big variety of types
- Tested and approved by Deutsche Telekom

Attention:
With use of an adapter plate the maximum door gauge (Ts) is 6 mm.
Note:
If door gauge (Ts) > 6 mm standard round rods cannot be used!

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New defined standards

The swinghandle made of zinc die has successfully passed the test according to RC2 DIN EN 1630.
The IK 10 protection class test in accordance with DIN EN 50102 was successfully passed for swinghandles made of zinc die.
Integrated scratch protection prevents surface damage (handle / dish)



Swinghandle 'long' or 'short'
dish and handle version of choice;
shaft brass or brass and POM GF black;
cylinder cover zinc die black-powder coated or grey powder-coated (RAL 7038);
cap zinc die black powder-coated or polyamide GF V0 black;
adapter plate Polyamide GF V0 black for cut out version A;
fixing material m.s. zinc die; with seal and spring

Swinghandle 'long' (189.5) **Version of choice:** **1. Zinc die black powder-coated; cap znic die black powder-coated; shaft brass** **2. Polyamide GF black; cap polyamide GF V0 black; shaft brass and POM GF black**	
1. Zinc die (RC2); key always removable	1317-U221
1. Zinc die (RC2); key removable when the handle is put in	1317-U222
2. Polyamide; key always removable	1317-U321
2. Polyamide; key removable when the handle is put in	1317-U322
Swinghandle 'long' (189.5) **Version of choice:** **1. Zinc die grey powder-coated (RAL 7038) and anti-graffiti coated; cap zinc die black powder-coated; shaft brass** **2. Polyamide GF grey (RAL 7038); cap polyamide GF V0 black; shaft m.s. zinc-plated**	
1. Zinc die (RC2); key always removable	1317-U221-HJ
1. Zinc die (RC2); key removable when the handle is put in	1317-U222-HJ
2. Polyamide; key always removable	1317-U321-BO
2. Polyamide; key removable when the handle is put in	1317-U322-BO
Swinghandle 'short' (164.5) **Version of choice:** **1. Zinc die black powder-coated; cap znic die black powder-coated; shaft brass** **2. Polyamide GF black; cap polyamide GF V0 black; shaft brass and POM GF black**	
1. Zinc die (RC2); key always removable	1317-U201
1. Zinc die (RC2); key removable when the handle is put in	1317-U202
2. Polyamide; key always removable	1317-U301
2. Polyamide; key removable when the handle is put in	1317-U302
Swinghandle 'short' (164.5) **Version of choice:** **1. Zinc die grey powder-coated (RAL 7038) and anti-graffiti coated; cap zinc die black powder-coated; shaft brass** **2. Polyamide GF grey (RAL 7038); cap polyamide GF V0 black; shaft brass and POM GF black**	
1. Zinc die (RC2); key always removable	1317-U201-HJ
1. Zinc die (RC2); key removable when the handle is put in	1317-U202-HJ
2. Polyamide; key always removable	1317-U301-BO
2. Polyamide; key removable when the handle is put in	1317-U302-BO
Building key polyamide black	
	1004-44-01AA







Further parts see page

– Cam	3YC-120
– Rod control for cam	3YC-180
– Profile half cylinder	3XB-220

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Items printed in gray without stock

Swinghandle Outdoor with RC2, mechanical or electromechanical release

PROGRAM 1317

Resistance class:	RC2 DIN EN 1630, achieved by profile half cylinder according to DIN EN 18252-BZ or DIN EN 1303 with resistance class 2 with protection against drilling and pulling. The profile half cylinder should be certified and monitored by PIV CERT or alternatively by a certifying body according to DIN EN ISO/IEC 17065.
Size:	'short' (164.5 mm, cut out 105 mm)
Material:	Zinc die grey powder-coated (RAL 7038), anti-graffiti coating on request

Mechanical version:

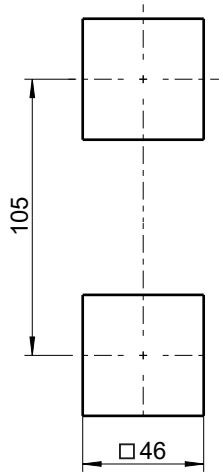
Profile half cylinder:	40 mm and 45 mm; set locking cam at 6 or 7 o'clock. At 3 or 5 o'clock push-to-close is not possible.
Sealable:	Yes

Electromagnetic version (EL):

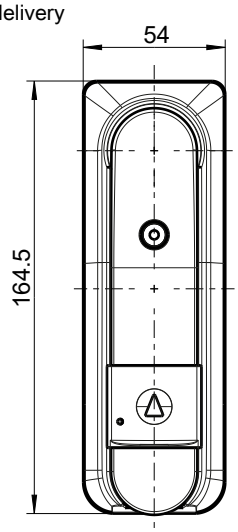
Application range:	Indoor and outdoor from -30°C to +80°C
Connection type:	Plug RJ45 with connection cable (4 m)
Release:	By applying a 3 - 3.6 V DC signal
Wake-up function:	Yes, by push button
Display:	By LED
Remote monitoring:	Status indication via Reed contact
Closing:	Push the handle into the dish until the locking mechanism engages
Emergency opening:	Optional with 40 mm or 45 mm profile half cylinder

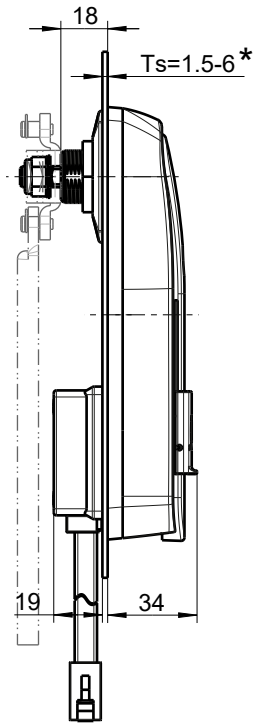
* Ts > 6 mm - 8 mm on request

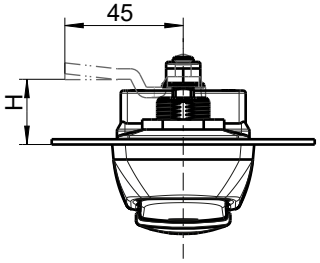
Adapter plate included in scope of delivery



Cut out







Product benefits

- The swinghandle has successfully passed the test according to RC2 DIN EN 1630
- The IK 10 protection class test in accordance with DIN EN 50102 was successfully passed
- Integrated scratch protection prevents surface damage (handle / dish)

Note:
Without profile half cylinder, opening is only possible by temporary key
1004-44-01AA

Note:
If door gauge (Ts) > 6 mm standard round rods cannot be used!

** In case of mechanical and the electromechanical version, only the profile half cylinder according to DIN EN 18252 and DIN EN 1303 can be used.

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RJ45 plug front view	PIN	Assignment	Wire colours
 87654321	1	Motor V +	white
	2	V -	brown
	3	LED V +	green
	4	Reed contact	yellow
	5	-	grey
	6	Motor position 1	pink
	7	Motor position 2	blue
	8	Button	red

The pins 4, 6, 7, 8 must be provided with a pull-up resistor,
pin 5 can be provided with a pull-up resistor.

The motor must be directly controlled by a higher-level controller and can only be moved in one direction.
To set the lock in the required status (locked/unlocked), not only the motor must be controlled, but also the motor position switches must be interrogated and evaluated.
The following table serves to identify the corresponding status.

Motor position 1	Motor position 2	Handle status
Logical 0	Logical 1	Locked
Logical 1	Logical 1	Not defined
Logical 1	Logical 0	Unlocked
Logical 1	Logical 1	Not defined
Logical 0	Logical 1	Locked

Whether the lever is open can be queried via Reed contact.
The button can be used for interaction in any form, just as the LED can be used for indication in any way.

Motor: 3.3 V DC, 48 mA (idle), max. 100 mA
LED: 3.3 V DC, 30 mA



Swinghandle 'short'
dish and handle zinc die grey powder-coated (RAL 7038);
shaft AISI 303;
cylinder cover polyamide black or grey (RAL 7038);
cap zinc die black powder-coated;
adapter plate polyamide GF black;
locking box ABS black;
locking pin AISI 303;
miniature push button with LED;
cam disk POM black;
clamp polyamide GF red (transport securing device);
assembly instruction; data sheet included for electromechanical version;
fixing material m.s. zinc-plated; with seal and spring

Electromechanical version optional for 40 and 45 mm profile half cylinder with additional locking cam position 30°	1317-U155-BO
Electromechanical version for type KABA 1514	1317-U156-BO
Mechanical version for 40 and 45 mm profile half cylinder, with additional locking cam position 30°	1317-U157-BO
Mechanical version for KABA cylinder type 1514	1317-U158-BO
Building key polyamide black	
	1004-44-01AA

Note:
The electromechanical version is also available in 12 V DC on request.

Further parts see page
– Cam 3YC-120
– Rod control for cam 3YC-180
– ** Profile half cylinder 3XB-120

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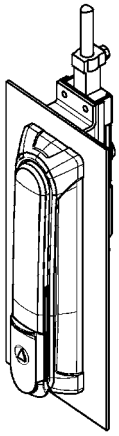
®Swinghandle with modular locking system; Double cylinder swinghandle

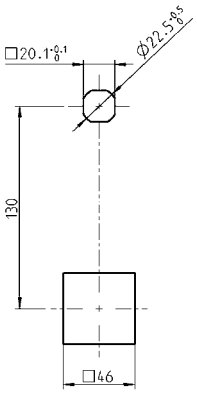
PROGRAM 1317



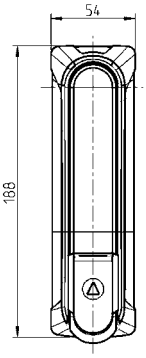
Swinghandle for rod control

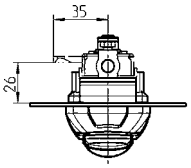


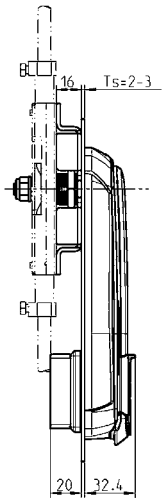




Cut out



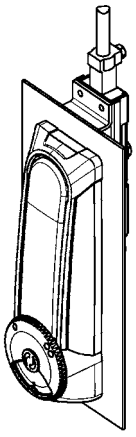


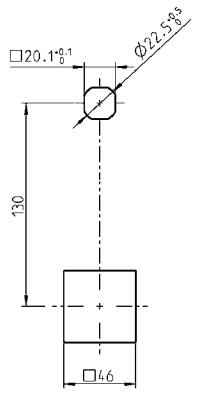


Swinghandle 'long' with modular locking system handle and escutcheon polyamide GF black; cylinder cover polyamide GF black; shaft brass; cap polyamide GF V0 black; locking set for profile half cylinder; with seal	
	1317-U421-02
Support m.s. zinc-plated	
	1001-50

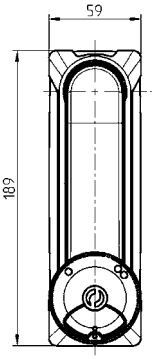
Double cylinder swinghandle for rod control

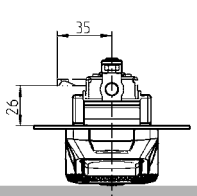


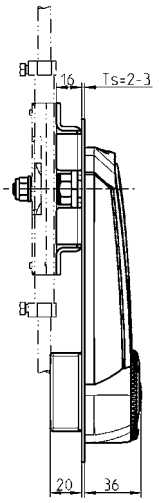




Cut out







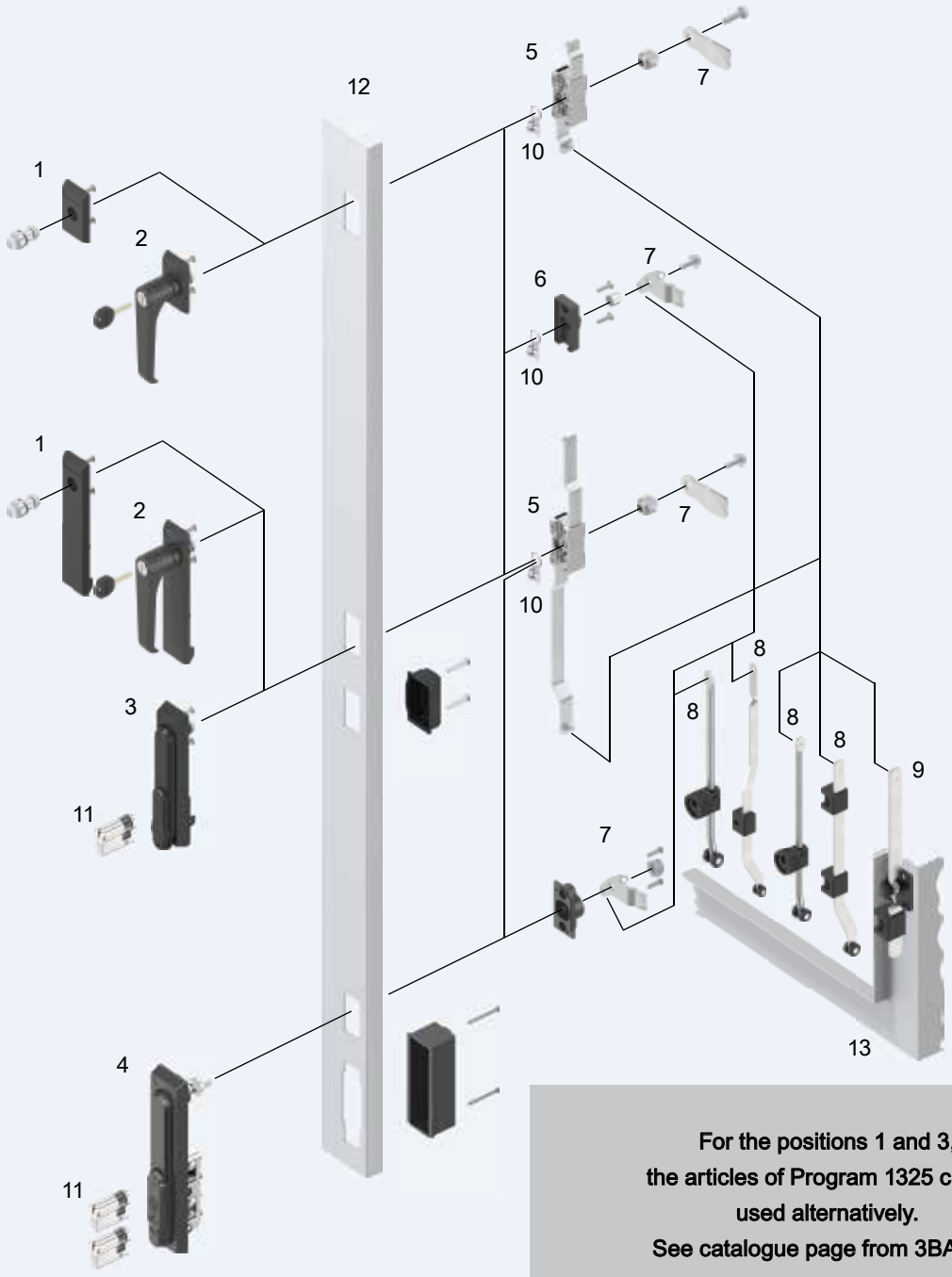
Swinghandle 'long' handle and dish polyamide GF black; cylinder cover zinc die black powder coated; shaft brass; cap polyamide GF V0 black; fixing material m.s. zinc die; with seal and spring	
	1317-U321-01
Support m.s. zinc-plated	
	1001-50

Further parts see page

– Rod control	2B-130 2B-135
– Profile half cylinder	3XB-120
– Locking set	3XC-120

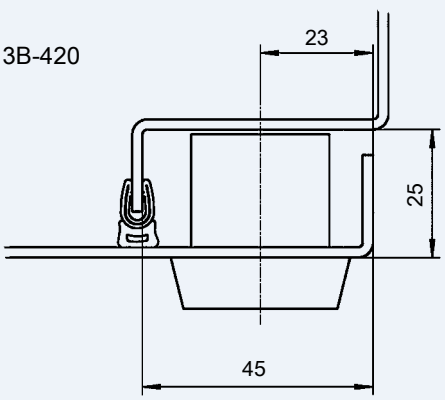
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Swinghandle and Escutcheon Program 1125



For the positions 1 and 3, the articles of Program 1325 can be used alternatively.
See catalogue page from 3BA-100

1	Escutcheon 1121 with insert	3B-120
2	Escutcheon 1123 with handle	3B-180
3	Swinghandle	3B-220, 3B-420
4	Swinghandle (double cylinder)	3B-320
5	Rod control	
6	Bearing bush	
7	Cam	
8	Rod (inside the sealing)	
9	Rod (outside the sealing)	
10	Grounding device	
11	Profile half cylinder	
12	Door	
13	Housing / Frame	



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Escutcheon 1121 with insert

PROGRAM 1125

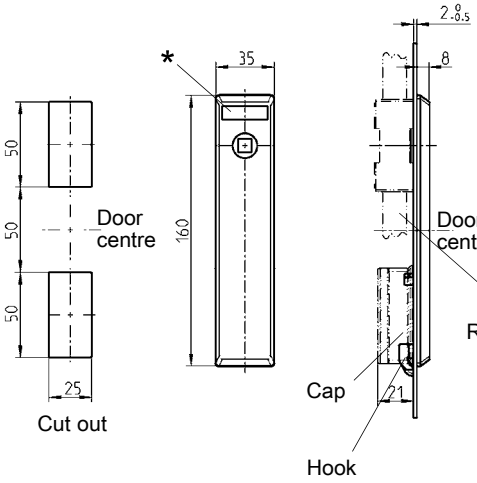




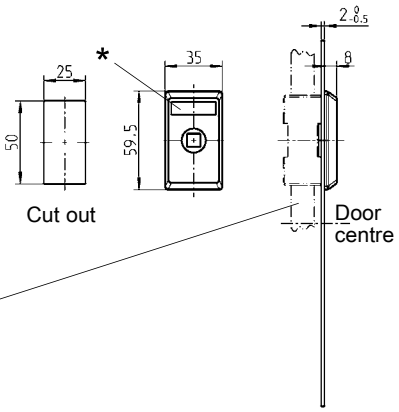




Escutcheon long



Escutcheon short



Escutcheon long material of choice, screws m.s. zinc-plated or stainless steel, with seal				Escutcheon short material of choice, screws m.s. z.pl or stainless steel, with seal IP 65
Polyamide GF black	Hook IP 40	Clip-in cap IP 40	Screw-on cap IP 65	
for square, triangular Daimler Benz, slot	1121-U19-06	1121-U19-N6	1121-U133-06	1121-U22-06
for double bit	1121-U20-06	1121-U20-N6	1121-U134-06	1121-U23-06
for railway square 9	1121-U19A-06	–	1121-U135-06	1121-U22A-06
for FIAT	1121-U63-06	1121-U63-N6	1121-U132-06	1121-U62-06
AISI 316				
for square, triangular Daimler Benz, slot	–	–	1121-U133-6PH	1121-U22-6PH

Insert material of choice, fixing material m.s. zinc-plated or stainless steel		
	Zinc die chrome-plated	AISI 316
Square 6	1121-U11	on request
Square 7	1121-U12	1121-U12-PH
Square 8	1121-U13	on request
Triangular 6.5 CNOMO	1121-U169	on request
Triangular 7	1121-U14	1121-U14-PH
Triangular 8	1121-U15	on request
Double bit 3 **	1121-U16	1121-U16-PH
Double bit 5 **	1121-U17	1121-U17-PH
Square female 8	1121-U167	on request
Daimler Benz	1121-U18	on request
Slot 2 x 4	1121-U123	on request
FIAT	1121-U24	on request
Railway square 9	1121-U72	on request

* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

** made of polyamide
on request

Further parts see page

– Key	8B-120
– Rod control for long version	3YA-110
	3YA-120
	3YA-140
(only with hook)	3YA-190
Short version	3YA-115
	3YA-160
– Bearing bush	3YB-120

Accessories



Transport safety device polyamide GF black for insert double bit

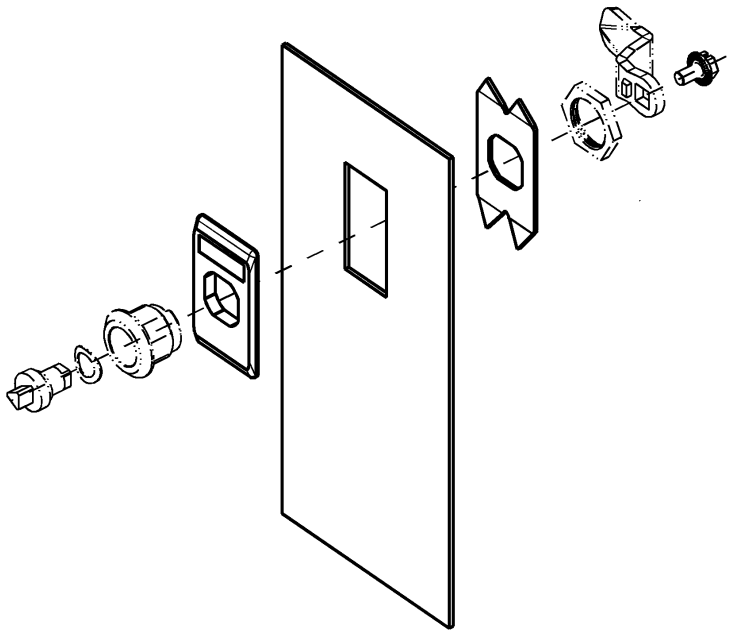
1121-32

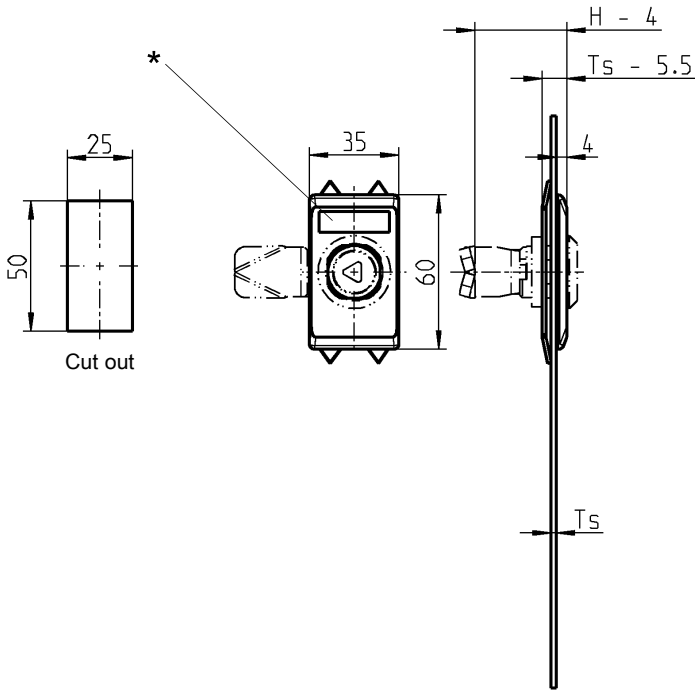
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Items printed in gray without stock

Escutcheon for quarter turn, Program 1000

PROGRAM 1125







* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

Attention:
Dimension H of the cam reduces by 4 mm, dimension Ts of the housings by 5.5 mm

Note:
IP 65 achieved by quarter turn with with protection class IP 65

Further parts see page

– Quarter turns	1B-120
	1B-140
	1B-210
up to	1B-320
	1B-360
up to	1B-620
	1B-680
	1B-860

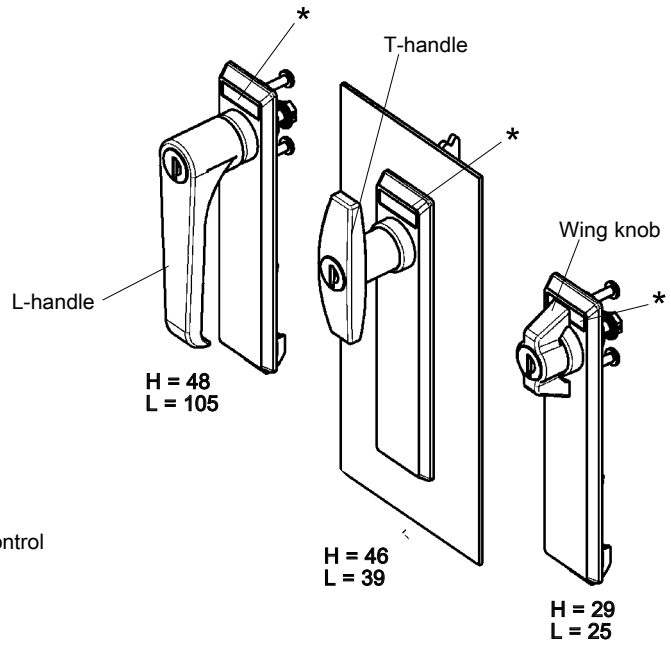
Escutcheon polyamide black, earthing plate m.s. zinc-plated, with seal

1121-U168

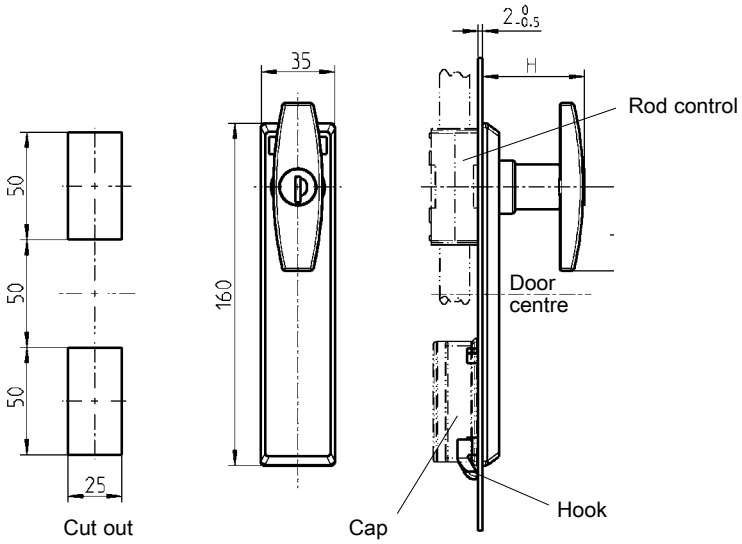
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Escutcheon 1123 with handle

PROGRAM 1125



Escutcheon long

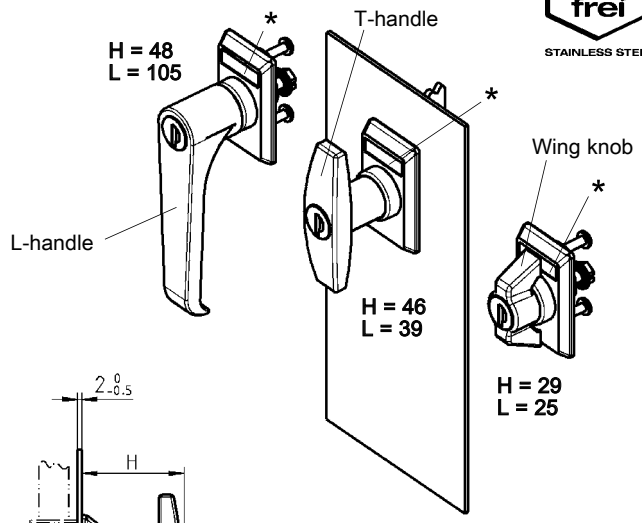


Each round cylinder has one silver steel key with grip polyamide GF black

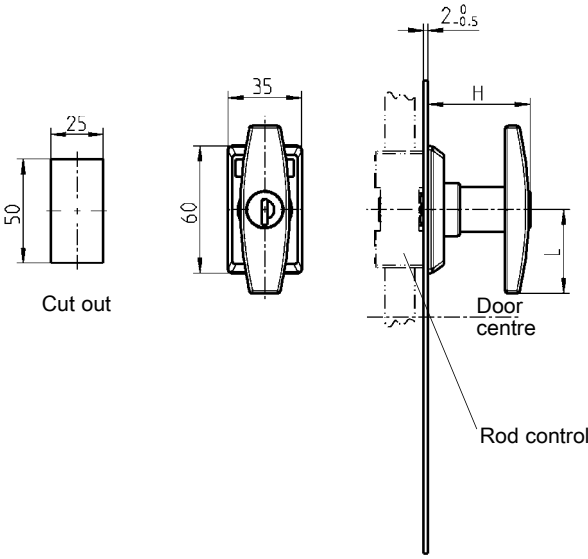
Escutcheon long polyamide GF black, fixing material m.s. zinc-pl. or stainless steel, with seal			
	Hook IP 40	**Clip-in cap IP 40**	**Screw-on cap IP 65**
Wing knob zinc die black powder-coated			
non locking	1123-U1-06	1123-U1-N6	1123-U25-06
keyed EK 333	1123-U2-06	1123-U2-N6	1123-U26-06
keyed different	1123-U3-06	1123-U3-N6	1123-U27-06
Wing knob AISI 316			
non locking	1123-U41-06	1123-U41-N6	1123-U42-06
T-Handle zinc die black powder-coated			
non locking	1123-U7-06	1123-U7-N6	1123-U28-06
keyed EK 333	1123-U8-06	1123-U8-N6	1123-U29-06
keyed different	1123-U9-06	1123-U9-N6	1123-U30-06
prepared for KABA 1036	1123-U21-06	–	–
T-handle AISI 316			
non locking	1123-U38-06	1123-U38-N6	1123-U39-06
L-handle zinc die black powder-coated			
non locking	1123-U13-06	1123-U13-N6	1123-U31-06
keyed EK 333	1123-U14-06	1123-U14-N6	1123-U32-06
keyed different	1123-U15-06	1123-U15-N6	1123-U33-06
prepared for KABA 1036	1123-U19-06	–	–
L-handle AISI 316			
non locking	1123-U34-06	1123-U34-N6	1123-U35-06

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Escutcheon short











Ecscutcheon short polyamide GF black, fixing material m.s. zinc-pl. or stainless steel, with seal IP 65	
Wing knob zinc die black powder-coated	
non locking	1123-U4-06
keyed EK 333	1123-U5-06
keyed different	1123-U6-06
Wing knob AISI 316	
non locking	1123-U40-06
T-Handle zinc die black powder-coated	
non locking	1123-U10-06
keyed EK 333	1123-U11-06
keyed different	1123-U12-06
prepared for KABA 1036	1123-U22-06
T-handle AISI 316	
non locking	1123-U37-06
L-handle zinc die black powder-coated	
non locking	1123-U16-06
keyed EK 333	1123-U17-06
keyed different	1123-U18-06
prepared for KABA 1036	1123-U20-06
L-handle AISI 316	
non locking	1123-U36-06

* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

Further parts see page

– Key	8B-120
– Spare key	8B-140
– Rod control for long version	3YA-110
	3YA-120
	3YA-140
(only with hook)	3YA-190
Short version	3YA-115
	3YA-160
– Bearing bush	3YB-120
– Dust cap for T-handle	1C-340

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Items printed in gray without stock

Swinghandle

PROGRAM 1125

Example:
[3] (21/26 mm)
→ Dimension for profile half cylinder 45 mm
→ Dimension for profile half cylinder 40 mm

Swinghandle for profile half cylinder polyamide GF black, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal

	Clip-in cap IP 40		Screw-on cap IP 65		Hook IP 40	
	with Cylinder cover	without Cylinder cover	with Cylinder cover	without Cylinder cover	with Cylinder cover	without Cylinder cover
for half cylinder 40 mm [3] (21)	1125-U191-NA	1125-U190-NA	1125-U191-A	1125-U190-A	1125-U186-A	1125-U185-A
for hald cylinder 45 mm [3] (26)	1125-U196-NA	1125-U195-NA	1125-U196-A	1125-U195-A	1125-U194-A	1125-U193-A
Insert for padlock	(only with swinghandle 1125-U190-A)		1125-73		–	–
with cylinder (Berlin version)	–	–	–	–	1125-U276-A	1125-U275-A
for ASSA cylinder	–	–	1125-U198-A	–	–	–

Swinghandle for profile half cylinder zinc die black powder-coated, cap polyamide black, with seal

for half cylinder 40 mm [3] (21)	–	–	1125-U191-AQA	on request	–	–

Swinghandle for profile half cylinder AISI 316, shaft AISI 303, cap polyamide black, with seal (IP 66)

for half cylinder 40 mm [3] (21)	–	–	1125-U191-APH	on request	–	–

Swinghandle polyamide GF black with insert double bit, zinc die chrome-plated, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal

	Clip-in cap IP 40	Screw-on cap IP 65
Double bit 3 (key 1004-05) [1] [2]	1125-U236-NA	1125-U236-A
Double bit 5 (key 1004-06) [1] [2]	1125-U239-NA	1125-U239-A

Swinghandle polyamide GF black, with round cylinder incl. stainless steel cap and dust cap or insert m.s. zinc-plated, shaft zinc die chrome-plated, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with grip polyamide GF black

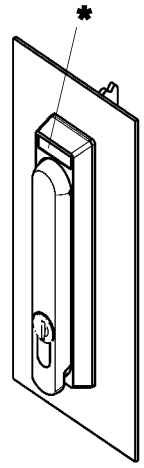
	Clip-in cap IP 40		Screw-on cap IP 65		Hook IP 40
	with Cylinder cover	without Cylinder cover	with Cylinder cover	without Cylinder cover	without Cylinder cover
Round cylinder keyed EK 333	1125-U206-NA	1125-U202-NA	1125-U206-A	1125-U202-A	1125-U268-A
Round cylinder keyed different	1125-U207-NA	1125-U203-NA	1125-U207-A	1125-U203-A	1125-U269-A
Square 6 [1]	1125-U242-NA	1125-U210-NA	1125-U242-A	1125-U210-A	on request
Square 7 [1] [2]	1125-U243-NA	1125-U211-NA	1125-U243-A	1125-U211-A	on request
Square 8 [1] [2]	1125-U244-NA	1125-U212-NA	1125-U244-A	1125-U212-A	on request
Square 8 slotted	1125-U245-NA	1125-U213-NA	1125-U245-A	1125-U213-A	on request
Triangular 6.5 CNOMO	1125-U246-NA	1125-U214-NA	1125-U246-A	1125-U214-A	on request
Triangular 7 [1]	1125-U247-NA	1125-U215-NA	1125-U247-A	1125-U215-A	on request
Triangular 8 [1] [2]	1125-U248-NA	1125-U216-NA	1125-U248-A	1125-U216-A	on request
Triangular 9	1125-U249-NA	1125-U217-NA	1125-U249-A	1125-U217-A	on request
Triangular 10	1125-U250-NA	1125-U218-NA	1125-U250-A	1125-U218-A	on request
Hexagon female SW 10	1125-U251-NA	1125-U219-NA	1125-U251-A	1125-U219-A	on request
Square female 6	1125-U252-NA	1125-U220-NA	1125-U252-A	1125-U220-A	on request
Square female 8	1125-U253-NA	1125-U221-NA	1125-U253-A	1125-U221-A	on request
Daimler Benz	1125-U254-NA	1125-U222-NA	1125-U254-A	1125-U222-A	on request
Slot 1.2 x 3	1125-U255-NA	1125-U223-NA	1125-U255-A	1125-U223-A	on request
Slot 2 x 4 [1] [2]	1125-U256-NA	1125-U224-NA	1125-U256-A	1125-U224-A	on request
Crown type	1125-U257-NA	1125-U225-NA	1125-U257-A	1125-U225-A	on request
Eastern Europe Ø 13 half-round	1125-U282-NA	1125-U283-NA	1125-U282-A	1125-U283-A	on request

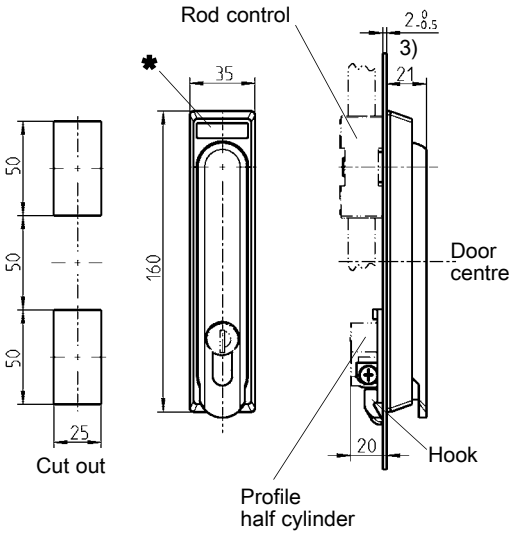
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EDELSTAHL® Rost frei STAINLESS STEEL

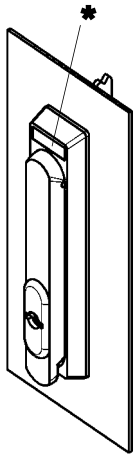
IP40 IP65 IP66 AISI INOX

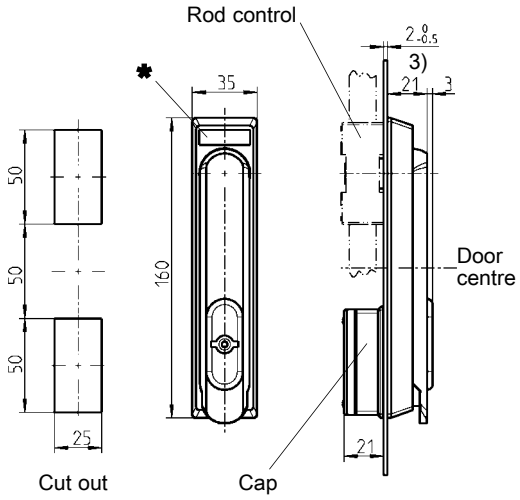
Swinghandle for profile half cylinder



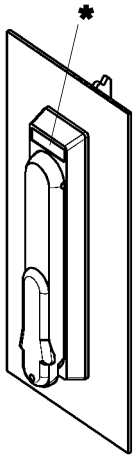


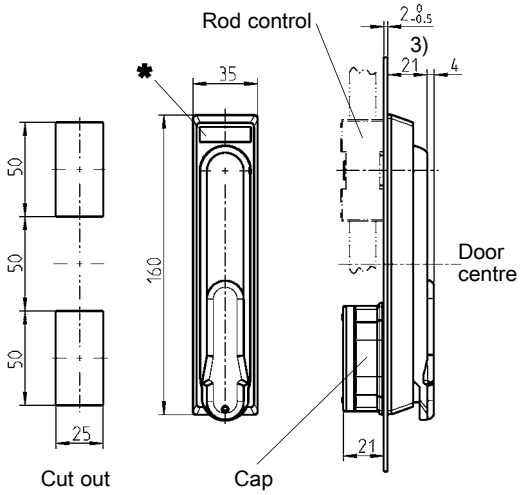
Swinghandle with double bit





Swinghandle with round cylinder or insert







* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

Further parts see page

– Key	8B-120
– Rod control	3YA-110
	3YA-120
	3YA-140
(only with hook)	3YA-190
– Bearing bush	3YB-120
– Profile half cylinder	3XB-120

On request insert in

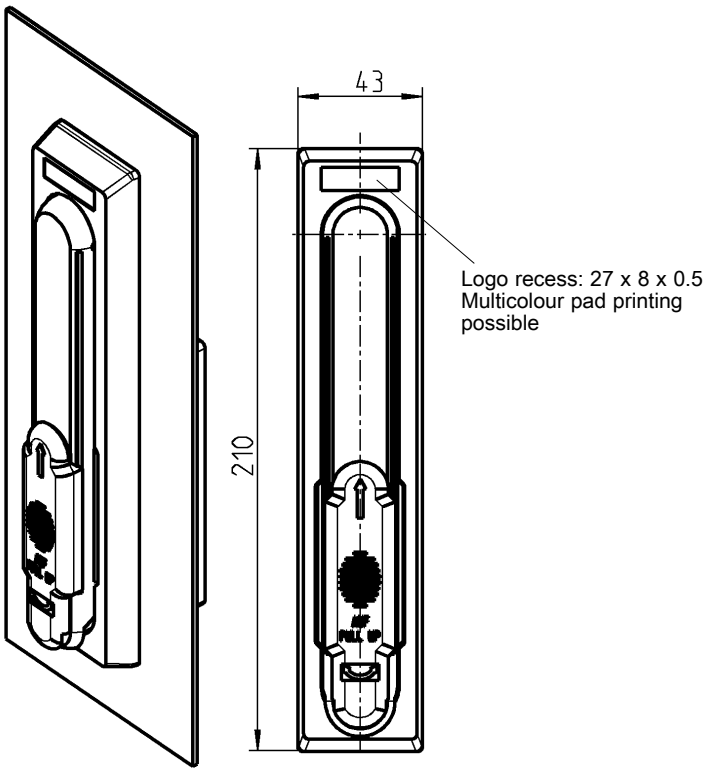
[1] Zinc die black powder-coated
[2] Polyamide black
– Cap without foamed seal for small bending area on request
– EMC version

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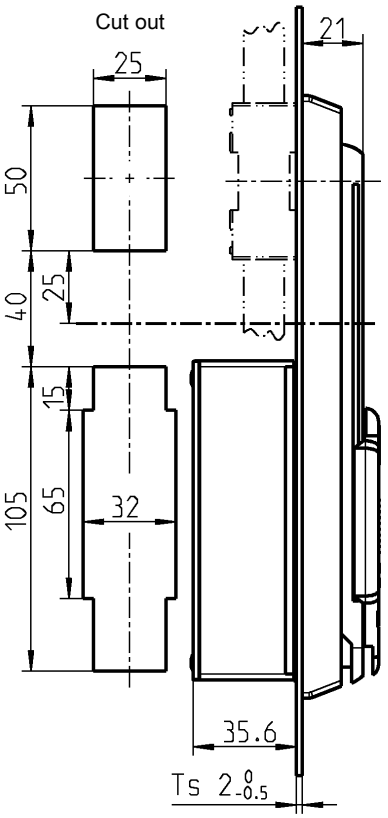
Swinghandle

PROGRAM 1125

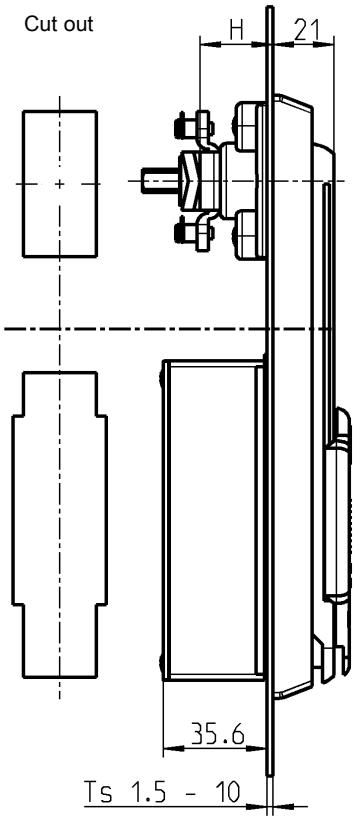
Double and single profile half cylinder swinghandle



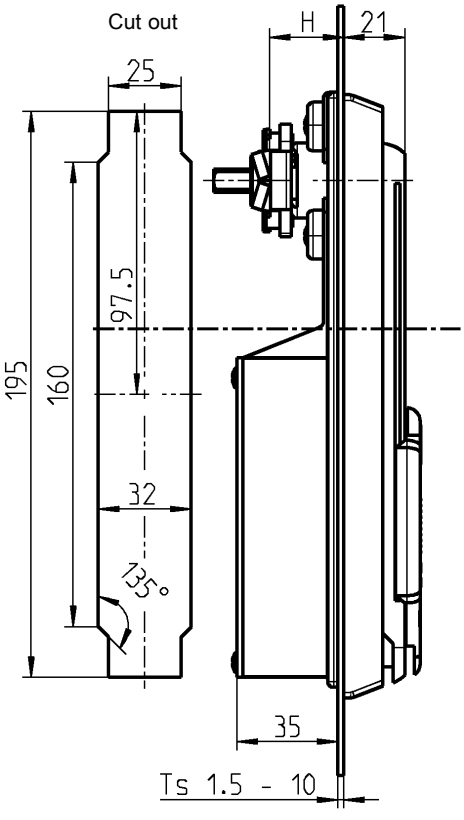
Version A



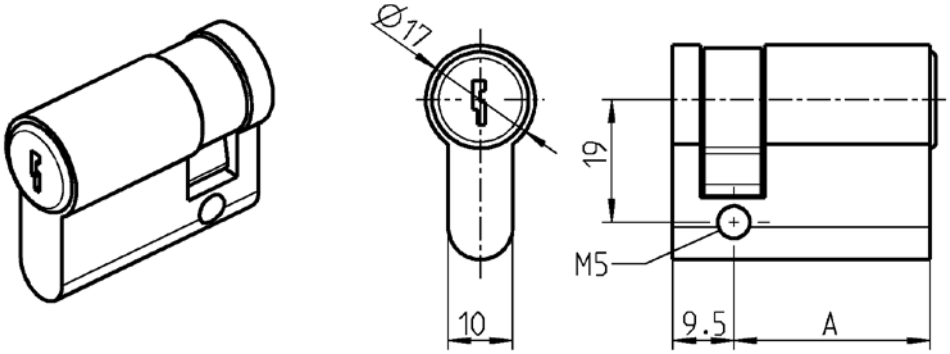
Version B



Version C



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Double and single profile half cylinder swinghandle
suitable for profile half cylinder with A = 30 and 35



Earthing possible with version A!



Swinghandle for profile half cylinder polyamide GF black, shaft brass, lock zinc die, spring spring steel zinc-plated. fixing material m.s. zinc-plated or stainless steel, with seal	
Version A for rod control	
Double cylinder swinghandle with one-key operation, key always removable	1125-U51-A
Single cylinder swinghandle, key always removable	1125-U55-A
Double cylinder swinghandle with one-key operation, key removable when the handle is put in	1125-U53-A
Version B with bearing bush	
Double cylinder swinghandle with one-key operation, key always removable	1125-U57-A
Single cylinder swinghandle, key always removable	1125-U58-A
Double cylinder swinghandle with one-key operation, key removable when the handle is put in	1125-U56-A
Double cylinder swinghandle with 2-key operation, key removable when the handle is put in	1125-U289
Version C with bearing bush	
Double cylinder swinghandle with one-key operation, key always removable	1125-U60-A
Single cylinder swinghandle, key always removable	1125-U61-A
Double cylinder swinghandle with one-key operation, key removable when the handle is put in	1125-U59-A

1-key operation
Handle can be opened when one cylinder is unlocked.
Removability of the key according to choice of the version.

2-key operation
The handle can only be opened when both cylinders are unlocked. The keys are only removable when the handle is put in.
The 2-key operation is set as RH version. For profile half cylinder A = 30.

Further parts see page
- Rod control for version A 3YA-220 3YA-240
- Cam for version B 3YC-120
- Rod control for cam for version B 3YC-180
- Cam for version C (H = 25 for Ts = 2) 3YC-140
- Profile half cylinder 3XB-220

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Swinghandle
PROGRAM 1125

IP65

AISI INOX



Further parts see page
– Bearing bush 3YB-120
– Rod control 3YA-110
3YA-120
3YA-140
– Profile half cylinder 3XB-120

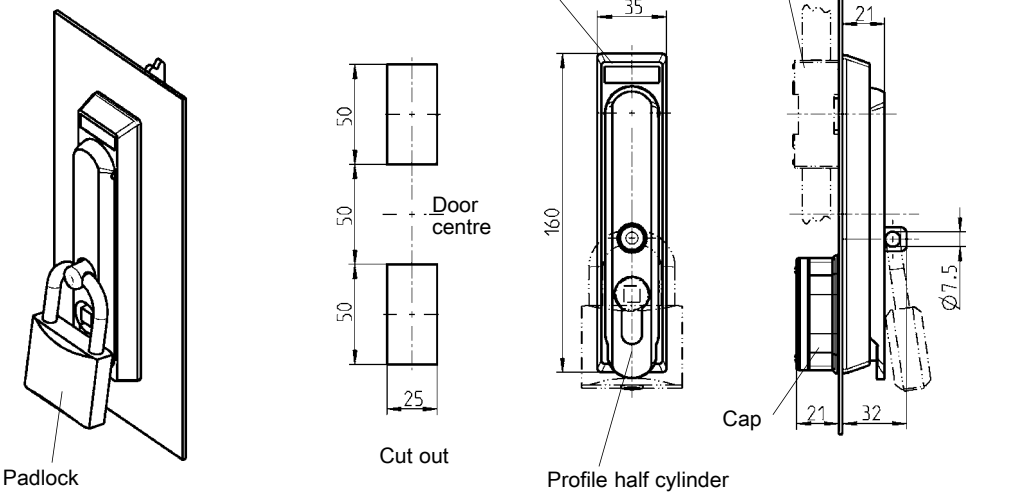
* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible



Note:
Swinghandle for CNOMO can only be used outside the sealing!

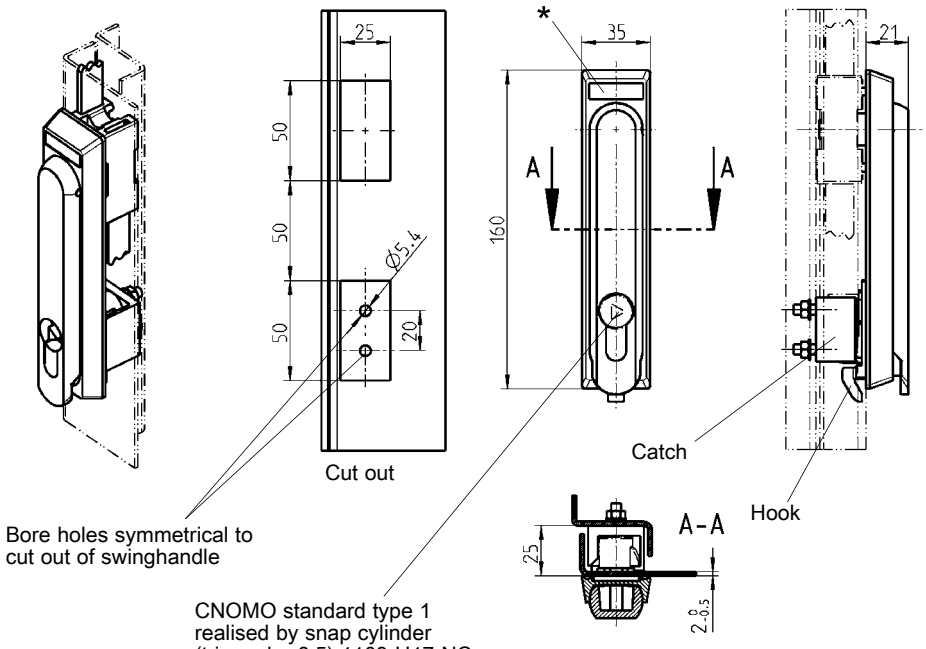
Further parts see page
– Rod control 3YA-110
3YA-120
– Profile half cylinder 3XB-120

Swinghandle for padlock



Swinghandle for profile half cylinder 40 mm polyamide GF black; shaft zinc die zinc-plated; padlock shackle AISI 303; fixing material m.s. zinc-plated; with seal	
	1125-U184-A
Swinghandle for profile half cylinder 40 mm AISI 316; shaft and padlock shackle AISI 303; cap polyamide black, with seal	
	1125-U184-APH
Version Ford achieved with	
Profile half cylinder (square 7)	1109-U5-N

Swinghandle for CNOMO



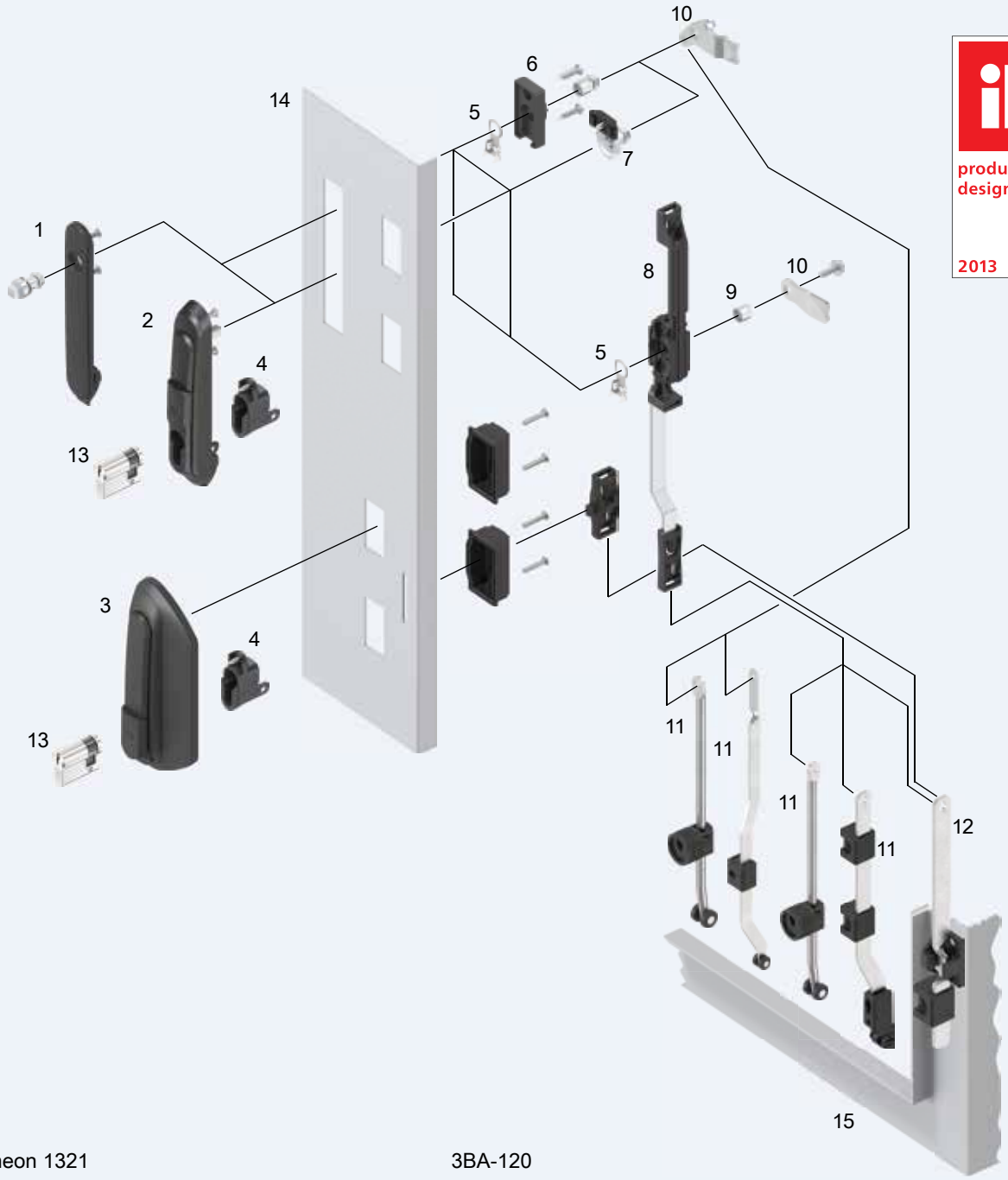
Handle is spring-loaded and can only be locked if the door is completely closed.

Swinghandle for profile half cylinder 40 mm polyamide GF black; catch and shaft zinc die zinc-plated; fixing m.s. zinc-plated	
without cylinder cover	1125-U200-A
with cylinder cover	1125-U201-A

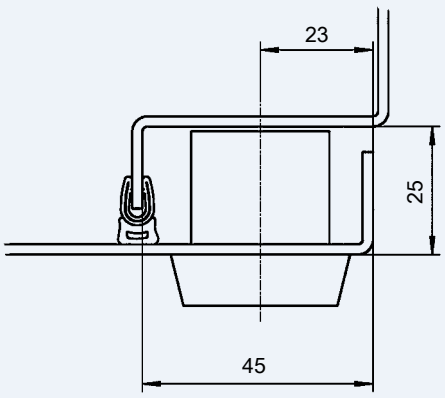
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Items printed in gray without stock

Swinghandle and Escutcheon Program 1325



1	Escutcheon 1321	3BA-120
2	Swinghandle	3BA-220
3	Swinghandle for narrow bending area	3BA-320
4	Locking set	
5	Grounding device	
6	Bearing bush for escutcheon	
7	Adapter for swinghandle	
8	Rod control	
9	Adapter	
10	Cam	
11	Rod (inside the sealing)	
12	Rod (outside the sealing)	
13	Locking set, e.g. profile half cylinder	
14	Door	
15	Housing / Frame	



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Beschlagteile

Escutcheon 1321

PROGRAM 1325

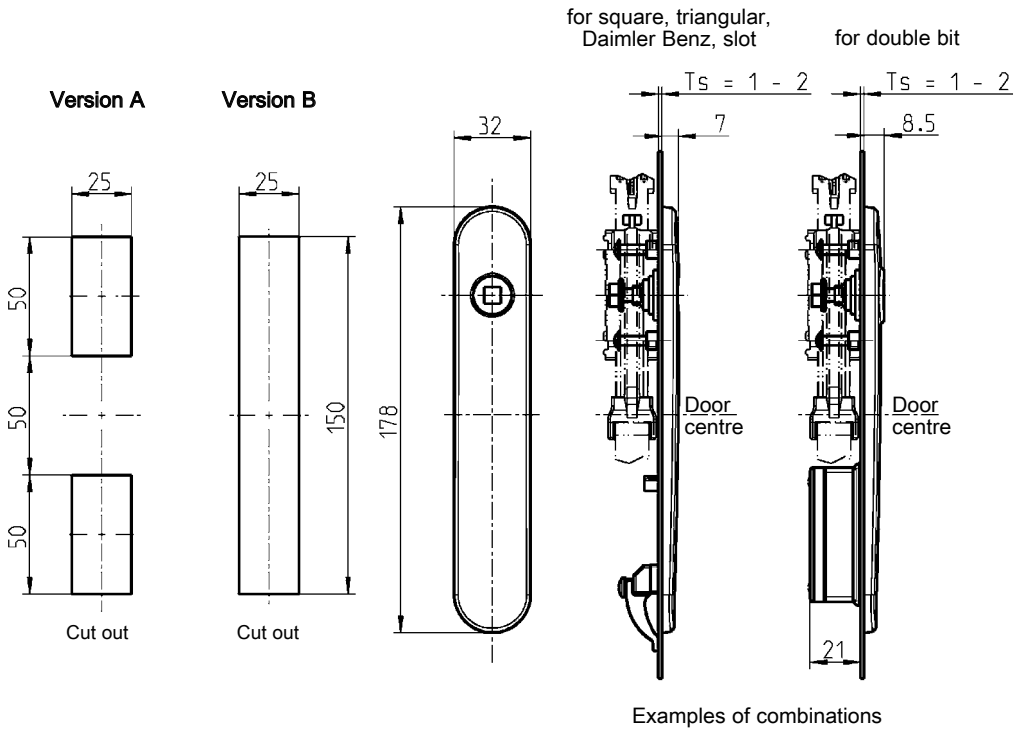




Multicolour pad printing possible

Further parts see page

– Key	8B-120
– Rod control	3YA-110
	3YA-120
	3YA-140
(only with hook and cut out version A)	3YA-190
– Bearing bush	3YB-120



Examples of combinations

Escutcheon polyamide GF black; hook or cap polyamide GF black; screws zinc-plated	Hook; IP 40	Cap; IP 65 with cut out version A
for square, triangular, Daimler Benz, slot	1321-U1	1321-U3
for double bit	1321-U2	1321-U4
for railway square 9	on request	on request
for FIAT	on request	on request
Insert zinc die chrome-plated; fixing material m.s. zinc-plated		
Square 6		1121-U11
Square 7		1121-U12
Square 8		1121-U13
Triangular 6.5 CNOMO		1121-U169
Triangular 7		1121-U14
Triangular 8		1121-U15
Double bit 3		1121-U16
Double bit 5		1121-U17
Square female 8		1121-U167
Daimler Benz		1121-U18
Slot 2 x 4		1121-U123
FIAT		1121-U24
Railway square 9		1121-U72

Accessories



Transport safety device polyamide GF black for insert double bit

1121-32

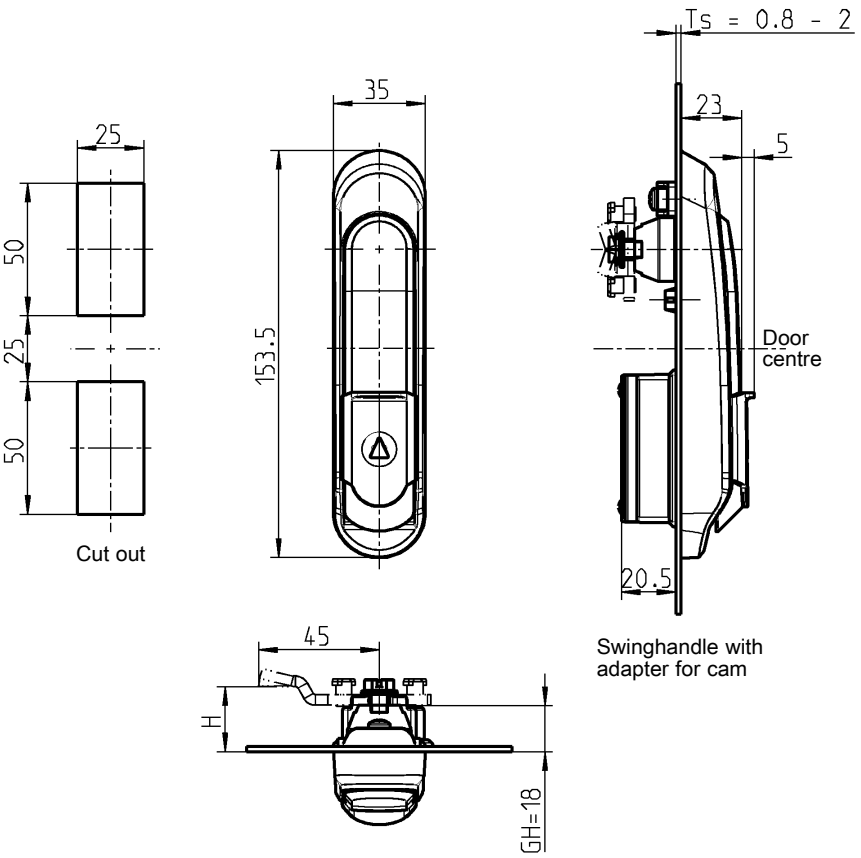
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Items printed in gray without stock

Swinghandle short
with variable use of locking sets

PROGRAM 1325

EMKA Beschlagteile







Adapter for cam 1325-U101, order separately

Product benefits

- Flat design (23 mm + 5 mm dust protection slider)
- Pre-assembled swinghandle and dish
- Easy exchangable locking unit inserts (locking sets)
- Spring-mounted handle
- Plastic parts protruding into the cabinet are of low flammability (PA 6 GF 30 V0)
- Patented

Rod control on request

Swinghandle **handle and escutcheon polyamide GF black;** **cylinder cover polyamide GF black; shaft zinc die zinc plated;** **circlip m.s. zinc plated; cap polyamide GF black;** **fixing material m.s. zinc plated;** **with spring and seal**	
(Please order locking set separately)	without locking set
Swinghandle with cap; IP 65	1325-U22
Adapter for cam PBT GF V0 black; bridge bar polyamide GF V0 black; **fixing material m.s. zinc-plated**	
	1325-U101

Multicolour pad printing possible

Swinghandle without cylinder cover on request

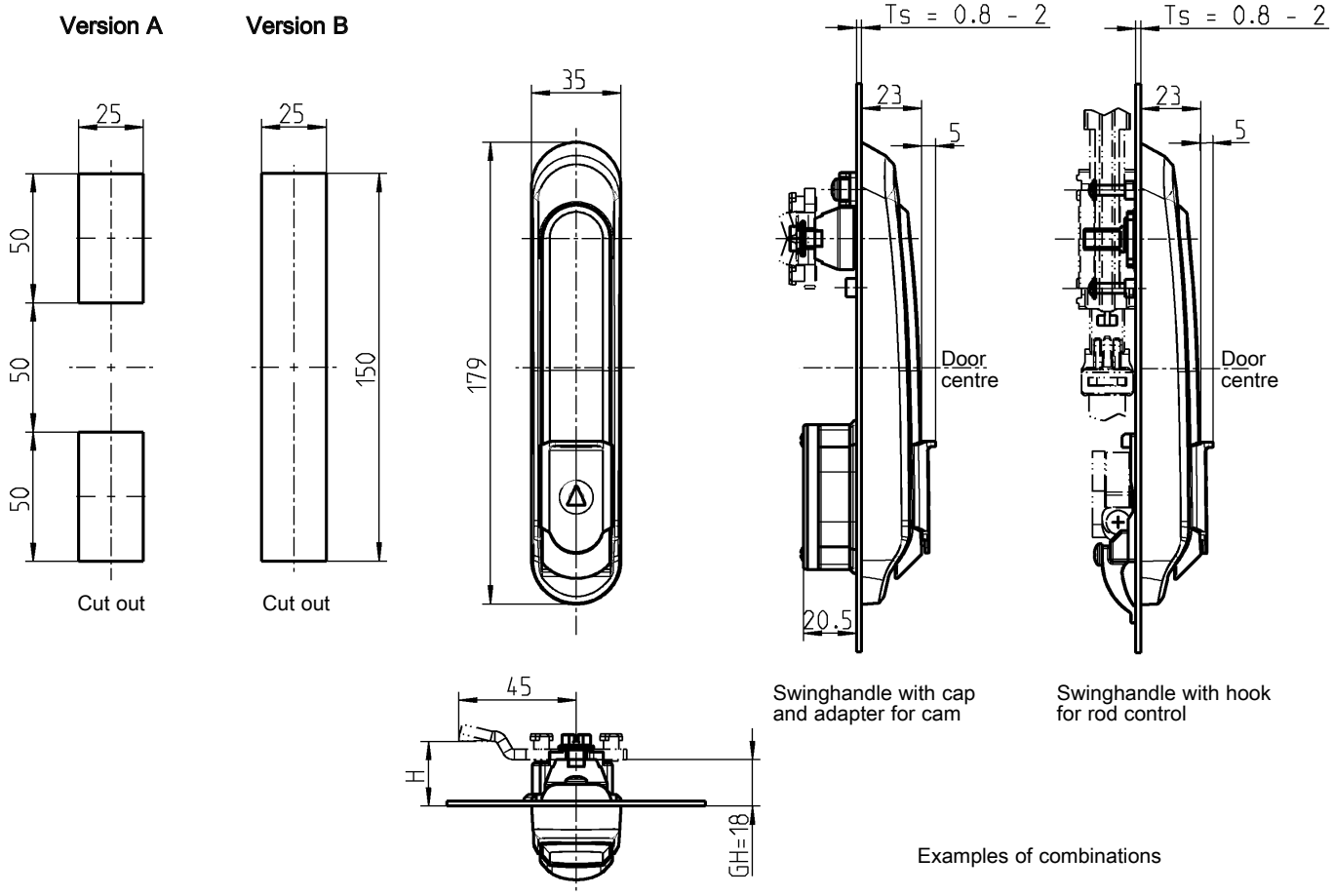
Further parts see page

– Locking set	3XC-120
– Cams (for adapter)	3YC-120
– Rod control	on request
– Cam for rod control (2-point latch system)	3YA-840

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Swinghandle with variable use of locking sets

PROGRAM 1325



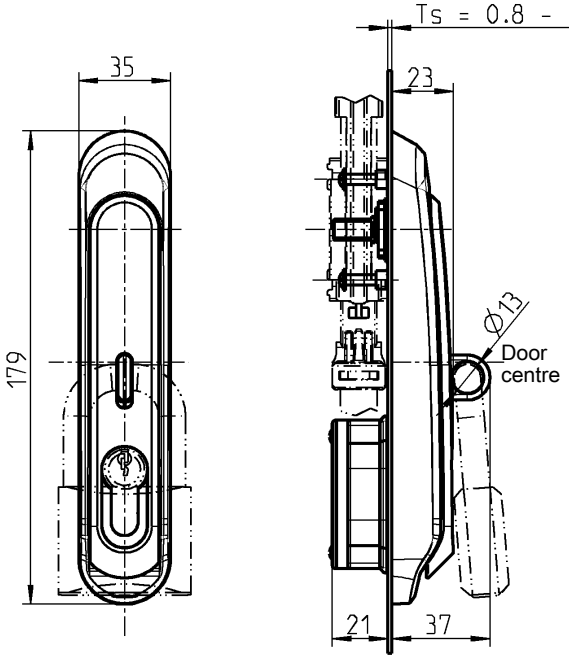
Swinghandle with cap and adapter for cam

Swinghandle with hook for rod control

Examples of combinations

Adapter for cam 1325-U101, order separately





Swinghandle with cap and for padlock and for rod control

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product design award 2013

Module for different locking sets







Product benefits

- Flat design (23 mm + 5 mm dust protection slider)
- IP 65 when fixed with cap, IP 40 when fixed with hook
- For standard cut out
- Pre-assembled swinghandle and dish
- Easy exchangable locking unit inserts (locking sets)
- Spring-mounted handle
- Plastic parts protruding into the cabinet are of low flammability (PA 6 GF 30 V0)
- Patented

Swinghandle for rod control handle and dish polyamide GF black; cylinder cover polyamide GF black (not for swinghandle for padlock); shaft zinc die zinc-plated; circlip m.s. zinc-plated; hook or cap polyamide GF black; padlock device AISI 316; fixing material m.s. zinc-plated; with spring and seal		
(1) (Please order locking set separately) (2) (with cut out version A) (3) (In case of profile half cylinder the locking cam must be set to 90°)	without locking set (1)	with locking set for profile half cylinder 40 mm (A = 30 mm) (3)
Swinghandle with hook; IP 40	1325-U1	1325-U1-01
Swinghandle with cap; IP 65 (2)	1325-U2	1325-U2-01
Swinghandle with hook and for padlock; IP 40	1325-U3	1325-U3-01
Swinghandle with cap and for padlock; IP 65 (2)	1325-U4	1325-U4-01
Adapter for cam PBT GF V0 black; bridge bar polyamide GF V0 black; fixing material m.s. zinc-plated		
		1325-U101

Multicolour pad printing possible

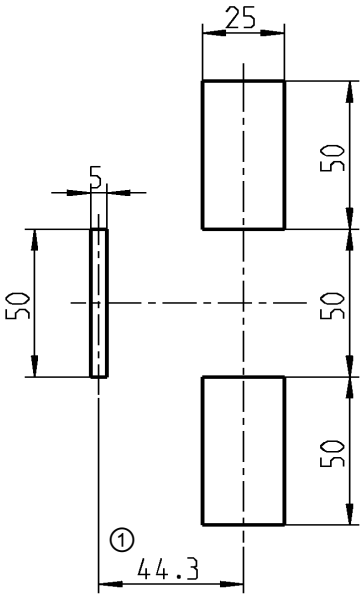
Swinghandle without cylinder cover on request

Further parts see page
- Profile half cylinder (Blind plug without spring-loaded ball not usable) 3XB-120
- Locking set 3XC-120
- Cams (for adapter) 3YC-120
- Rod control 3YA-110, 3YA-120, 3YA-140 (only with hook and cut out version A) 3YA-190
- Cam for rod control (3-point latch system) 3YA-840

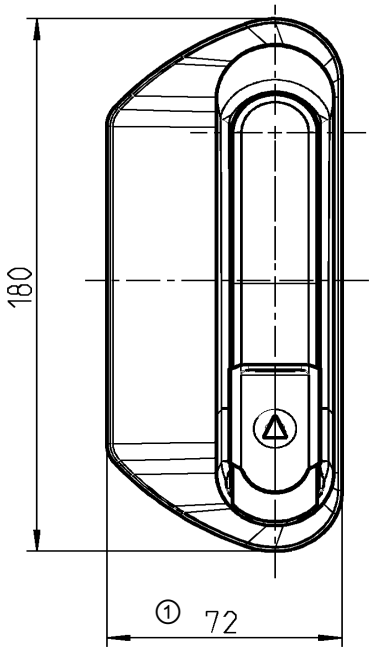
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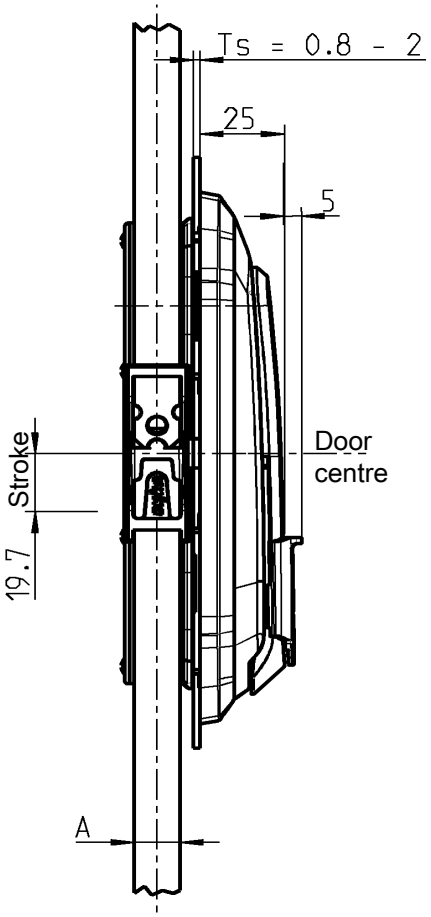
Swinghandle with variable use of locking sets for small bending area

PROGRAM 1325

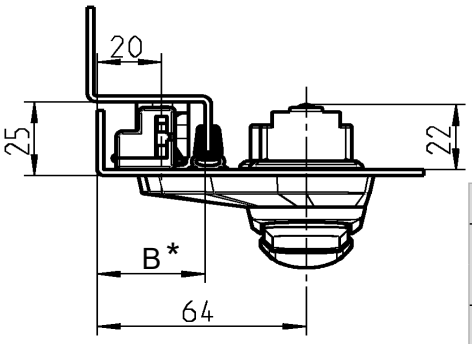


Cut out





Rod movement is unidirectional

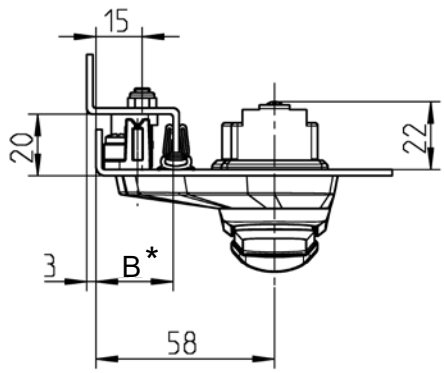


Example of an installation location

Product benefits

- Innovative award-winning design
- Ergonomic surface feel
- Variable locking options
- Quick assembly and simple right-left change
- Integrated scratch protection prevents surface damage (handle / dish)
- Rattle-free rod connection by patented clip-in connection
- Allows small bending area 33 x 25 mm or 37 x 25 mm for more usable clearence

Dimension A	Flat rod 14x3	
Locking type (see right)	Dimension B	
	without seal	with seal
1	30	33
2	30	33
3	34	37

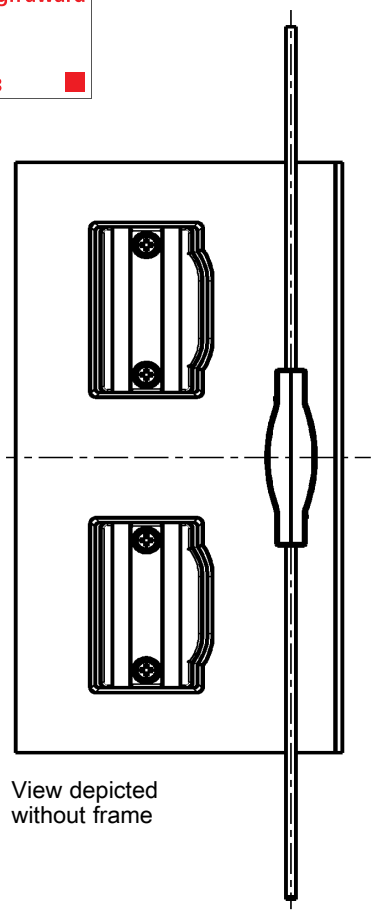


Dimension A	Flat rod 10x3	
Locking type (see right)	Dimension B	
	without seal	with seal
4	22	25

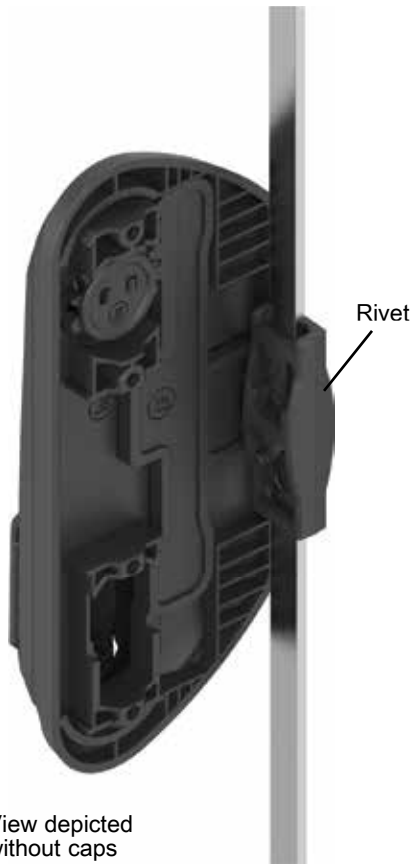
* The values in the table for dimension B with seal refer to the seal 1011-10. With other seals, the values for dimension B differ.

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product design award 2013



View depicted without frame



View depicted without caps



Locking types



Rod with cut out



Rod with single roller



Rod with double roller



Rod with single roller

Module for different locking sets (see catalogue page 3BA-220)

① = Articles in other dimensions on request

Catch and hinge have the same fixing points

Multicolour pad printing possible

Further parts see page

– Locking set	3XC-120
– Rod controls door return 25	3ZA-600
– Door return 20	3ZA-605

Hinge suitable for locking types 1, 2 and 3

– 125° Hinge	4A-136
– 180° Hinge (bottom)	4A-140
– 180° Hinge	4A-145

Also suitable for locking type 3

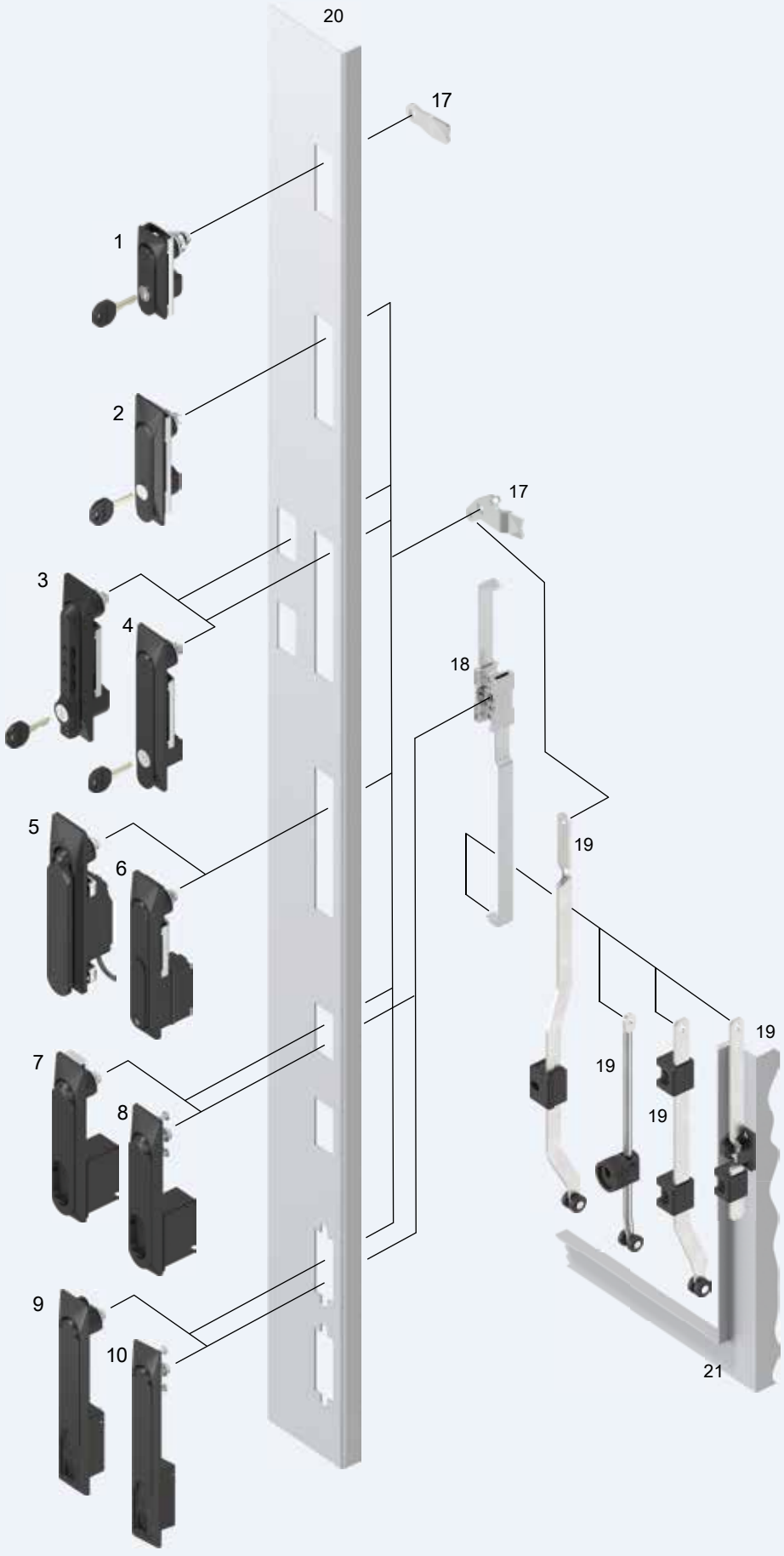
– 180° Hinge (26 mm door return)	4A-170
– 180° Hinge (26 mm door return)	4A-210

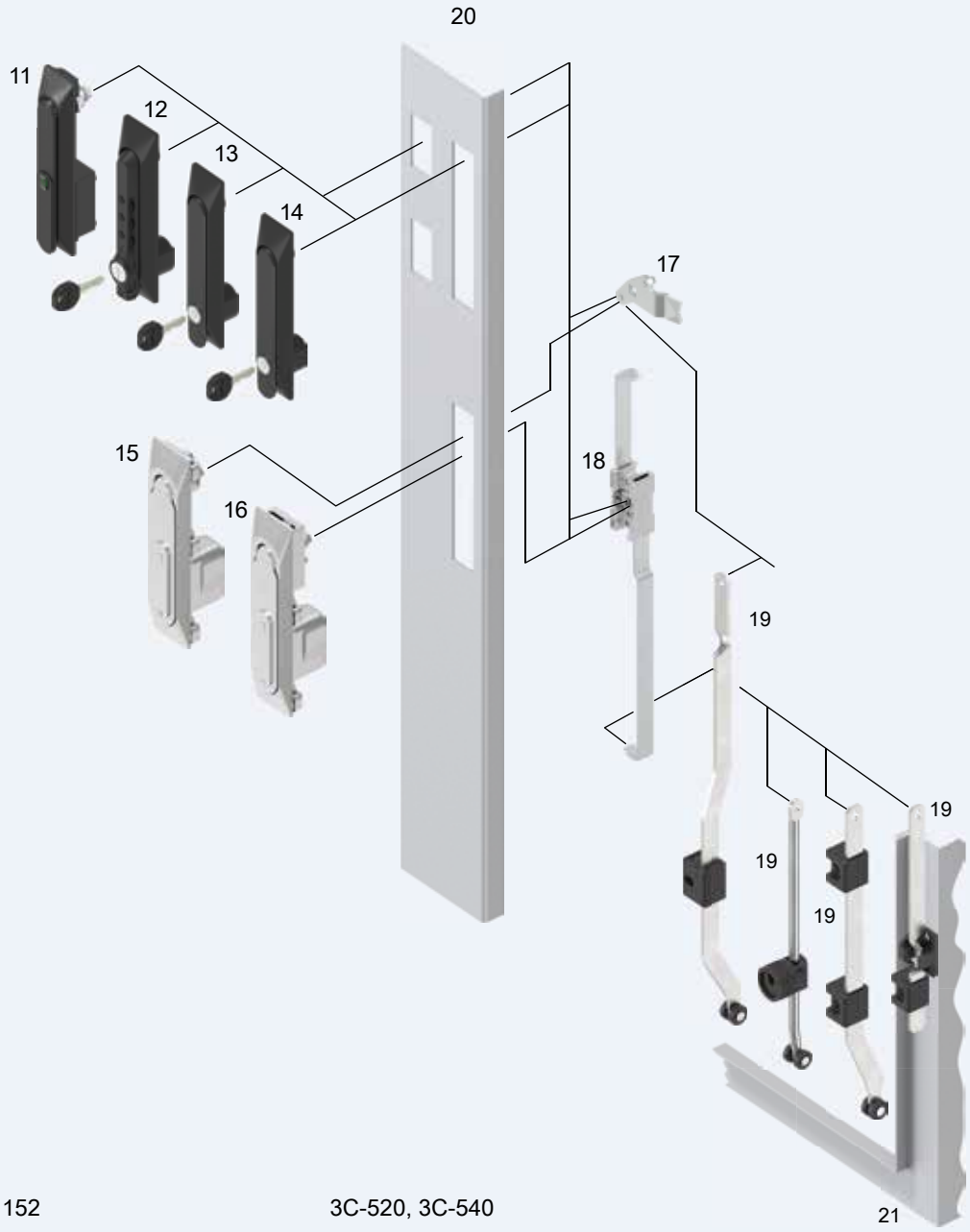
Swinghandle, rivet and caps polyamide GF black; rack polyamide 66 GF 50 black; shaft with pinion zinc die zinc-plated; fixing material m. s. zinc-plated; with spring and seal without locking set (please order lock set separately)

for flat rod 14x3; door return 25	1325-U201
for flat rod 10x3; door return 20	1325-U202

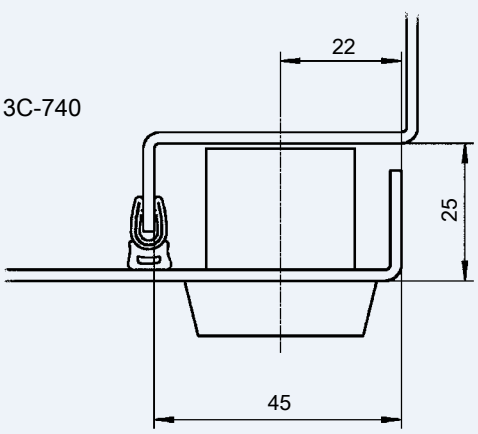
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Swinghandle
Program 1150





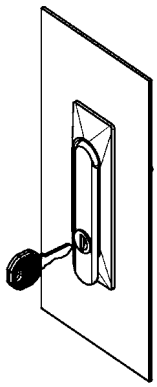
1	Swinghandle 1152	3C-520, 3C-540
2	Swinghandle 1150	3C-120
3	Swinghandle 1155	3C-620
4	Swinghandle 1150	3C-120, 3C-140
5	Swinghandle 1154, electromechanically	3C-240
6	Swinghandle 1154	3C-220
7	Swinghandle 1153 for cam	3C-320
8	Swinghandle 1153 for rod control	3C-320
9	Swinghandle 1151 for cam	3C-420
10	Swinghandle 1151 for rod control	3C-440
11	Swinghandle 1150, electromechanically	3C-160
12	Swinghandle 1155 with universal escutcheon	3C-750
13	Swinghandle 1150 with universal dish and 'Push to Lock' function	3C-740
14	Swinghandle 1150 with universal dish	3C-720 to 3C-740
15	Swinghandle 1154 with RC2 for cam	3C-260
16	Swinghandle 1154 with RC2 for rod control	3C-260
17	Cam	
18	Rod control	
19	Rod	
20	Door	
21	Housing / Frame	

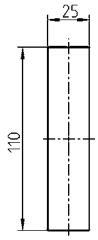


Swinghandle 1150

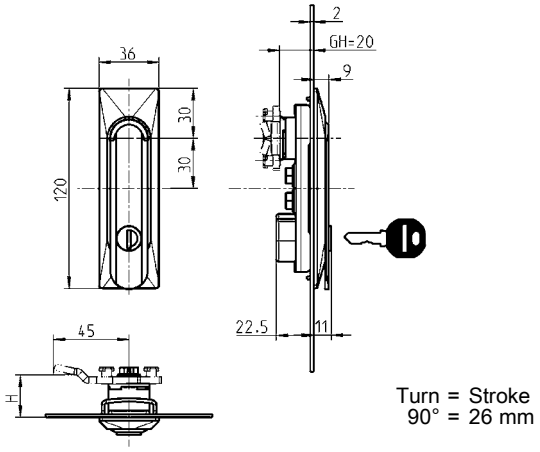
PROGRAM 1150

Version A (small)



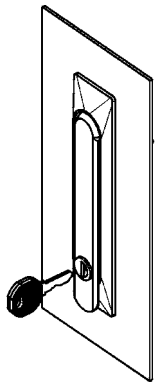


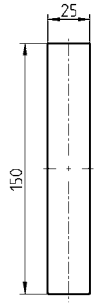
Cut out



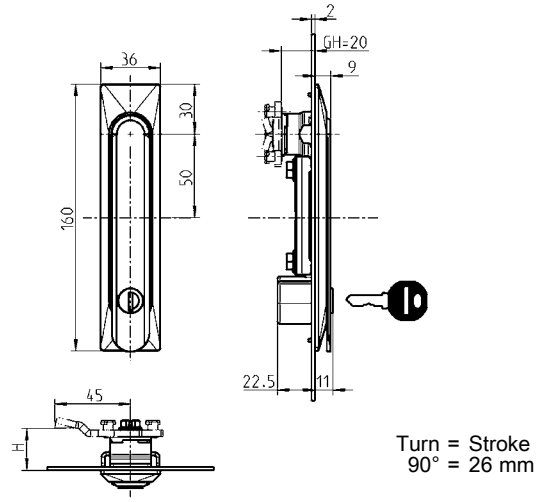
Turn = Stroke
90° = 26 mm

Version B (normal)





Cut out

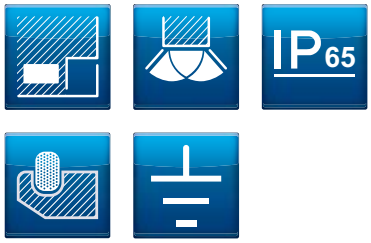


Turn = Stroke
90° = 26 mm

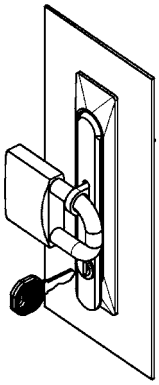
* EMC version 1150U2-E

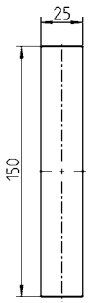
	Swinghandle zinc die black powder-coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc-pl., shaft zinc die zinc-pl., with seal, swinghandle is earthed		Swinghandle polyamide GF black, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc-pl., shaft zinc die zinc-pl., with seal		Swinghandle zinc die black powder coated and dish polyamide GF black, round cylinder with stainless steel cap and dust cap, fixing material m.s. zinc-pl., shaft zinc die zinc-pl., with seal	
Version	**A**	**B**	**A**	**B**	**A**	**B**
keyed EK 333	1150-U1	1150-U2*	1150-U1-02	1150-U2-02	1150-U1-03	1150-U2-03
keyed different	1150-U3	1150-U4	1150-U3-02	1150-U4-02	1150-U3-03	1150-U4-03
Insert zinc die chrome-plated						
Square 6	1150-U20	1150-U9	1150-U20-02	1150-U9-02	1150-U20-03	1150-U9-03
Square 7	1150-U21	1150-U10	1150-U21-02	1150-U10-02	1150-U21-03	1150-U10-03
Square 8	1150-U22	1150-U11	1150-U22-02	1150-U11-02	1150-U22-03	1150-U11-03
Triangular 6.5 CNOMO	1150-U32	1150-U31	1150-U32-02	1150-U31-02	1150-U32-03	1150-U31-03
Triangular 7	1150-U23	1150-U12	1150-U23-02	1150-U12-02	1150-U23-03	1150-U12-03
Triangular 8	1150-U24	1150-U13	1150-U24-02	1150-U13-02	1150-U24-03	1150-U13-03
Double bit 3	1150-U25	1150-U14	1150-U25-02	1150-U14-02	1150-U25-03	1150-U14-03
Double bit 5	1150-U26	1150-U15	1150-U26-02	1150-U15-02	1150-U26-03	1150-U15-03
Daimler Benz	1150-U27	1150-U16	1150-U27-02	1150-U16-02	1150-U27-03	1150-U16-03
Slot 2x4	1150-U28	1150-U17	1150-U28-02	1150-U17-02	1150-U28-03	1150-U17-03
Hexagon female SW 8 with pin	1150-U29	1150-U18	1150-U29-02	1150-U18-02	1150-U29-03	1150-U18-03
Hexagon male SW 11	1150-U30	1150-U19	1150-U30-02	1150-U19-02	1150-U30-03	1150-U19-03
Push button	on request	on request	on request	on request	1150-U55-03	on request

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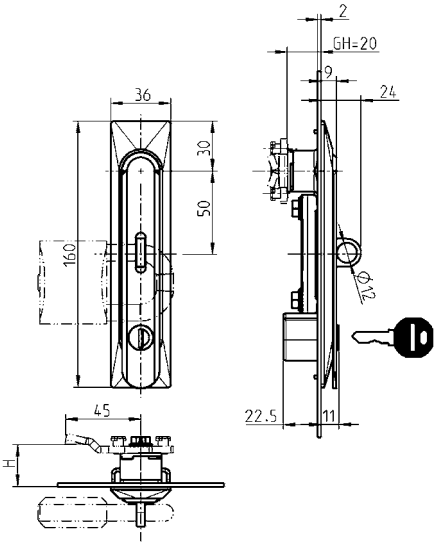


Version B for padlock





Cut out







Each round cylinder has one silver steel key with grip polyamide GF black

Swinghandle zinc die black powder-coated, round cylinder with stainless steel cap and dust cap, padlock shackle AISI 316, shaft zinc die zinc-plated, with seal, fixing material m.s. zinc-plated, swinghandle earthed	
Version B for padlock	
keyed EK 333	1150-U2-01
keyed different	1150-U4-01
Insert zinc die chrome-plated	
Square 6	1150-U9-01
Square 7	1150-U10-01
Square 8	1150-U11-01
Triangular 6.5 CNOMO	1150-U31-01
Triangular 7	1150-U12-01
Triangular 8	1150-U13-01
Double bit 3	1150-U14-01
Double bit 5	1150-U15-01
Daimler Benz	1150-U16-01
Slot 2x4	1150-U17-01
Hexagon female SW 8 with pin	1150-U18-01
Hexagon male SW 11	1150-U19-01
Push button	1150-U55-01

Further parts see page
– Key 8B-120
– Spare key 8B-140
– Cam (GH = 20) 3YC-140

On request:
– Handle blind (without locking system)

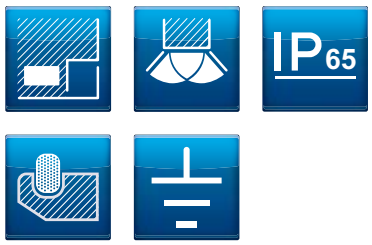
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Items printed in gray without stock

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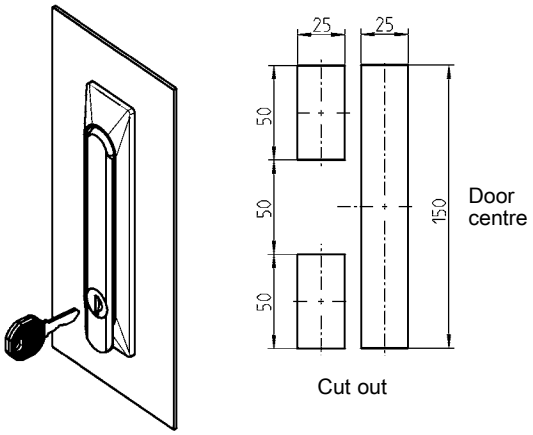
Swinghandle* 1150

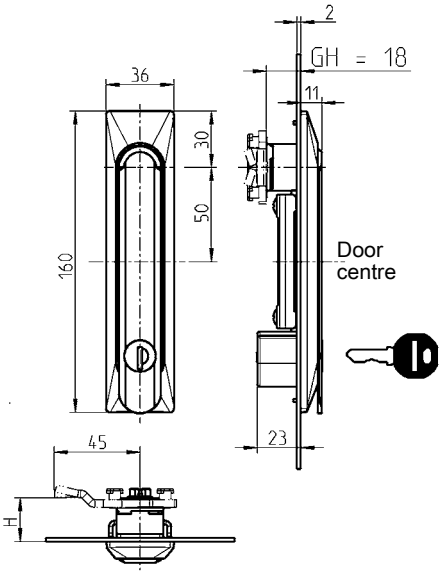
PROGRAM 1150











Swinghandle zinc die black-powder coated, dish polyamide GF black, fixing material m.s. zinc-plated, shaft zinc die zinc-plated., round cylinder with stainless steel cap and dust cap, with seal. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1150-U33-03
keyed different	1150-U34-03
Insert zinc die chrome-plated	
Square 6	1150-U36-03
Square 7	1150-U37-03
Square 8	1150-U38-03
Triangular 6.5 CNOMO	1150-U39-03
Triangular 7	1150-U40-03
Triangular 8	1150-U41-03
Double bit 3	1150-U42-03
Double bit 5	1150-U43-03
Daimler Benz	1150-U44-03
Slot 2x4	1150-U35-03
Hexagon female SW 8 with pin	1150-U45-03
Hexagon male SW 11	1150-U46-03

* can be used for cut out of 1125/1225

Further parts see page

– Key	8B-120
– Spare key	8B-140
– Cams (GH = 18)	3YC-120

On request:
– Key of round cylinder not removable in open position
– Other inserts

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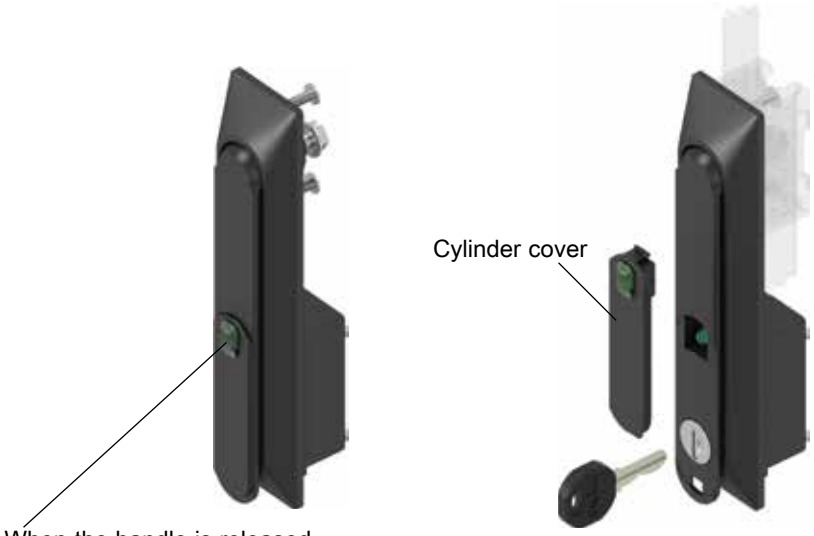
Items printed in gray without stock

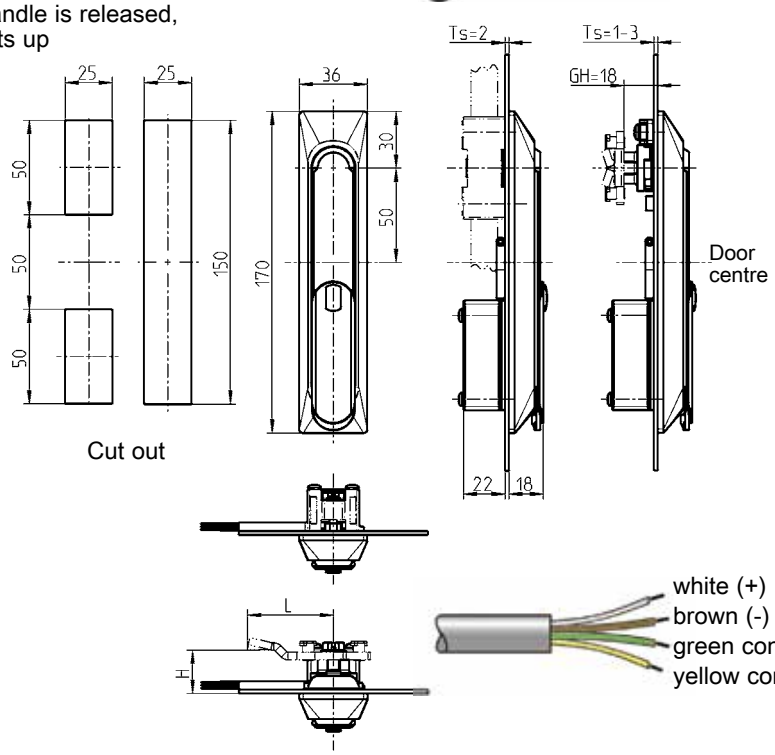
Swinghandle 1150 with electromechanical release and emergency opening

PROGRAM 1150

EMKA® Beschlagteile

This handle is suitable for locking indoor cabinets. It is released by applying a voltage signal of 12 V or 24 V DC. After pushing the handle briefly into the dish, it can be opened.
The integrated reed contact is used for remote monitoring of the handle status. To lock the handle it must be pressed into the dish until the locking mechanism engages. The provided key is used to open the handle in case of power failure. For this purpose the cover on the locking cylinder has to be removed. The cover will be destroyed thereby and must be placed.









Handle zinc die black powder-coated; dish and cap polyamide GF black; cylinder cover Bio-Flex black; shaft brass, round cylinder with stainless steel cap and dust cap; solenoid with electronics; Reed contact and LED; connecting cable (4 m); fixing material m.s. zinc plated.
Each round cylinder has one silver steel key with grip polyamide GF black
Contact switching power: 48 VDC, 0.5 A

	keyed EK 333	keyed different
Solenoid 12 V, for rod control or cam	1150-U56	1150-U56-V
Solenoid 24 V, for rod control or cam	1150-U56-01	1150-U56-01V
Cylinder cover Bio-Flex black (spare part)		
		1150-B33

Note:
This handle can be connected to the modules 3000-U32-02 and 3000-U47-02 or 3000-U47-07.

Further parts see page

– Cams (GH = 18)	3YC-120
– Rod control	3YA-110
	3YA-120
	3YA-140
– Spare key	8B-140

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EMKA® Beschlagteile

Swinghandle 1154 with RC2

PROGRAM 1150





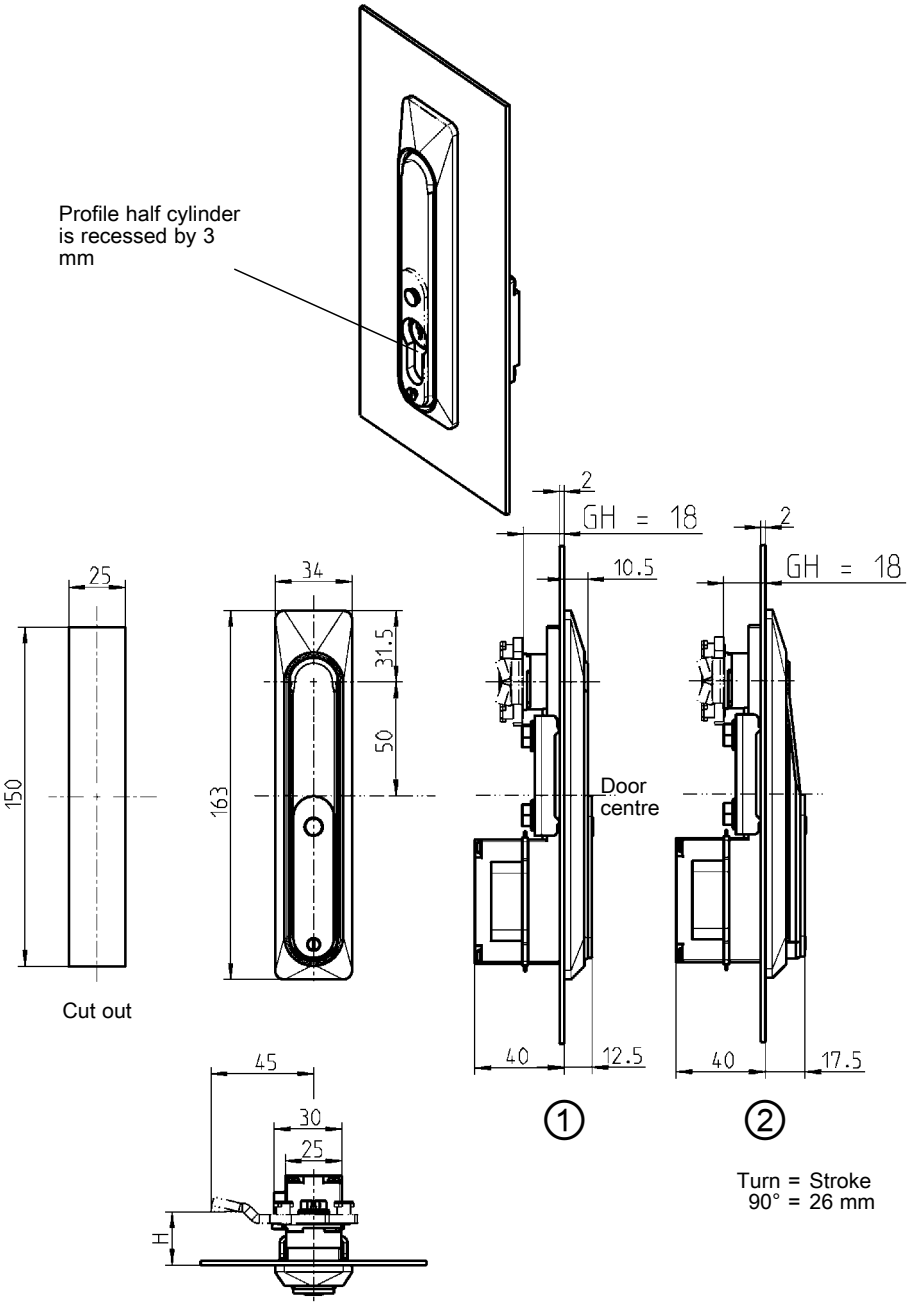
②



①

EDELSTAHL Rostfrei STAINLESS STEEL

Resistance class:
RC2 DIN EN 1630, is achieved with the 1154-U2 swinghandle with profile half cylinder according to DIN EN 18252-BZ or DIN EN 1303 with resistance class 2 with drilling and pulling protection.
The profile half cylinder should be certified and monitored by PIV CERT or alternatively by a certifying body according to DIN EN ISO/IEC 17065.



Suitable for profile half cylinder (length A = 30 or A = 35) or DIN 18252 (EN 1303)

Further parts see page

– Cams (GH = 18)	3YC-120
– Profile half cylinder	3XB-120

Swinghandle zinc die black powder-coated, cap polyamide black, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal	
① for profile half cylinder 40	1154-U1
② for profile half cylinder 45	1154-U3
Swinghandle AISI 316, shaft AISI 303, cap polyamide black, fixing material stainless steel, with seal	
① for profile half cylinder 40; with RC2	1154-U2

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Swinghandle 1154 with electromechanical release and emergency opening

PROGRAM 1150

EMKA Beschlagteile

This handle is suitable for locking outdoor cabinets.
By applying a 12 V, 24 V or 48 V DC signal, the handle can be released. After pushing the handle briefly into the dish, it can be opened.
The integrated Reed contact is used for remote monitoring of the handle status. To lock the handle it must be pressed into the dish until the locking mechanism engages. The provided key is used to open the handle in case of power failure. To open the cylinder cover, the screw M3 has to be removed. Unlocking by means of round / pin cylinder is possible then.



Round cylinder EK

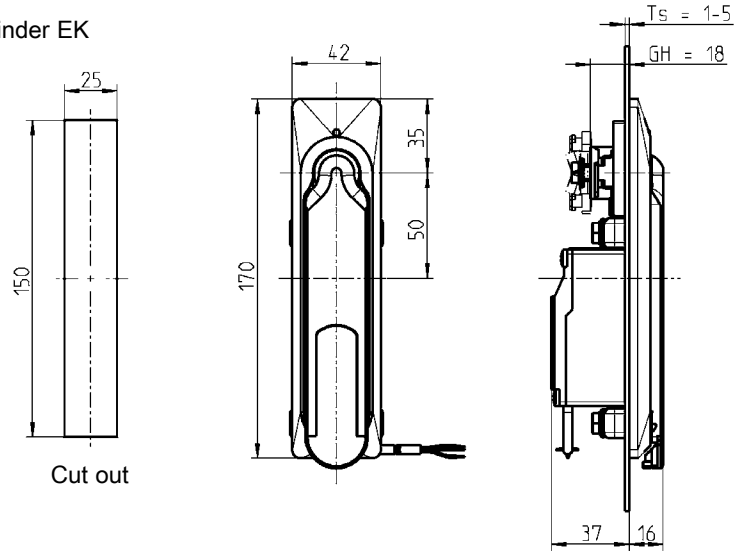


Two countersunk screws M3 included in scope of delivery. Cross recess and hexagon female SW 2 with pin.

When the handle is released, the LED lights up.



Max. power-on time: 1 minute



Cut out

H-dimension starting at 33 mm

white (+)
brown (-)
green contact
yellow contact



Swinghandle zinc die black powder-coated, cap and dust cap polyamide GF black, shaft zinc die zinc-plated, holder AISI 304, round cylinder EK with stainless steel cap and shutter, brass pin, solenoid with electronics, Reed contact and LED, cable (4 m), screw M3 for cylinder cover AISI 304, fixing material m.s. zinc-plated, with seal.
Each round cylinder has one silver steel key with grip polyamide GF black.
Contact switching power: 48 VDC, 0.5 A

	keyed EK 333	keyed different
Round cylinder EK; 48V	1154-U6	1154-U6-V
Round cylinder EK; 24V	1154-U6-02	1154-U6-02V
Round cylinder EK; 12V	1154-U6-03	1154-U6-03V

Further parts see page
– Cam (stroke 26) H-dimension starting at 33 mm 3YC-120
– Rod on request
– Spare key EK 8B-140

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Beschlagteile

Notes:

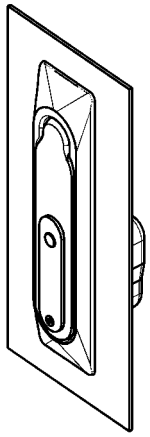
Stainless steel swinghandle 1154 with RC2

PROGRAM 1150

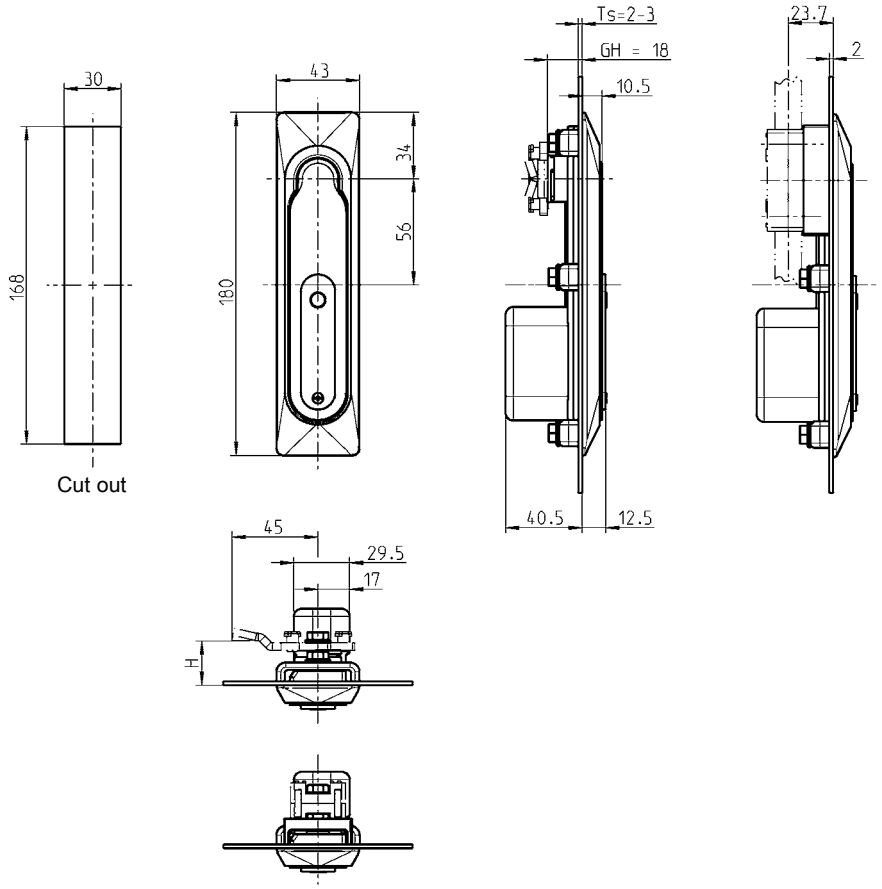
EMKA® Beschlagteile

Prepared for profile half cylinder
(Length A = 30) DIN 18252 (EN 1303)

EDELSTAHL Rost frei STAINLESS STEEL



PIV certificate 20-15/07
The swinghandle has successfully passed the test according to RC2 DIN V ENV 1630 (RC2).
The test was approved by the 'test institute for locks and fittings Velbert'.





Turn 90° with cam



Swinghandle AISI 316, shaft AISI 303, fixing material stainless steel, with seal	
for cam	1154-U4
for rod control	1154-U5

Further parts see page

– Cam (GH = 18)	3YC-120
– Rod control for cam	3YC-180
– Rod control	3YA-440
– Profile half cylinder	3XB-120

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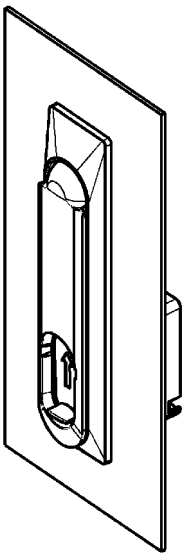
EMKA® Beschlagteile

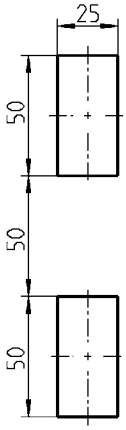
Swinghandle* 1153

PROGRAM 1150



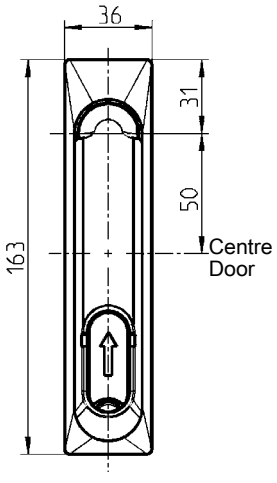
Prepared for profile half cylinder
(Length A = 30)DIN 18252 (EN 1303)

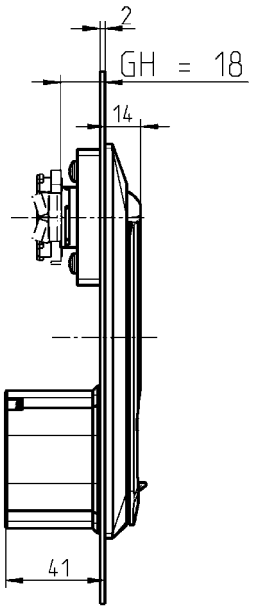




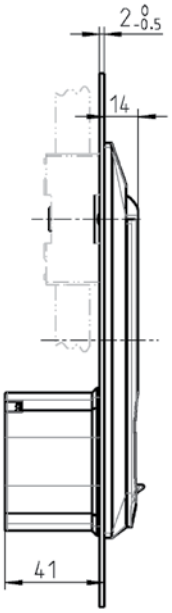




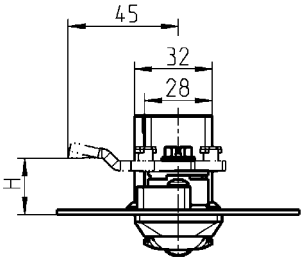




Version A



Version B,
earthing possible



Attention: Length of housing GH = 18 mm

* can be used for
cut out of 1125/1225

Further parts see page
for version A
– Cam (GH = 18) 3YC-120
for version B
– Rod control only inside the sealing 3YA-110
3YA-120
3YA-140
for version A and B
– Profile half cylinder 3XB-120

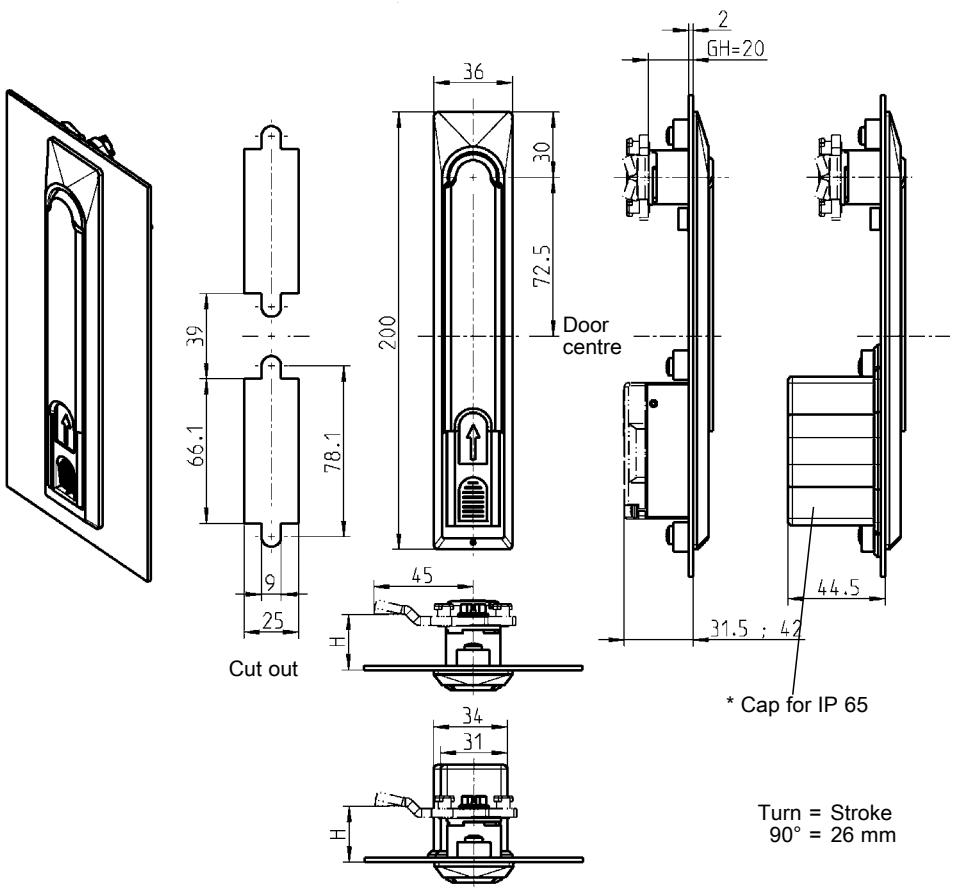
Swinghandle zinc die black powder-coated, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal	
Version A for cams	1153-U1
Version B for rod control, earthing possible	1153-U2

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Swinghandle 1151

PROGRAM 1150

EMKA Beschlagteile







* Dimensions:
38.5 (wide) x 97 (length), cap for profile half cylinder
35 (wide) x 97 (length), cap for insert and round cylinder

Note:
Swinghandle without locking set

Swinghandle zinc die black powder-coated, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal	
Protection class IP 54	1151-U1
IP 65 achieved by	
Cap for profile half cylinder	1151-05
Cap for insert and round cylinder	1151-05-01

Further parts see page
– Locking set 3XA-120
3XA-140
– Locking set ELM
Special catalogue Electronics
– Cam (GH = 20) 3YC-140

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Items printed in gray without stock

EMKA® Beschlagteile

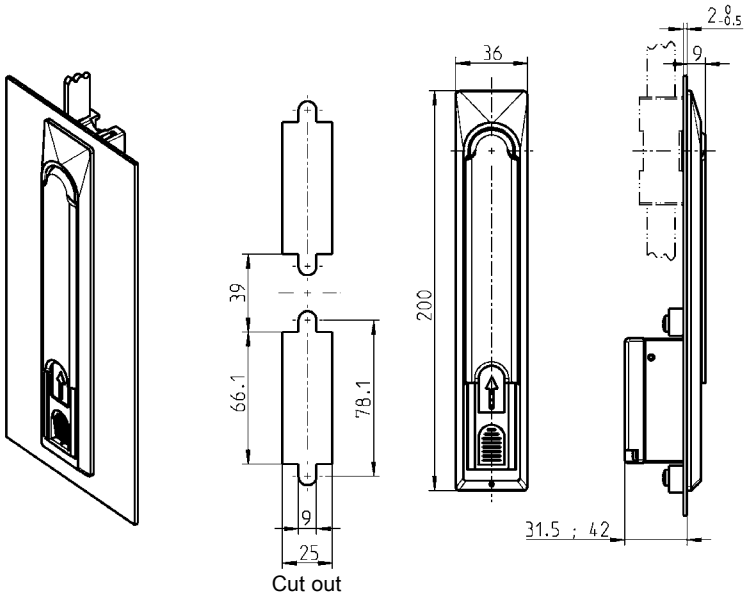
Swinghandle 1151

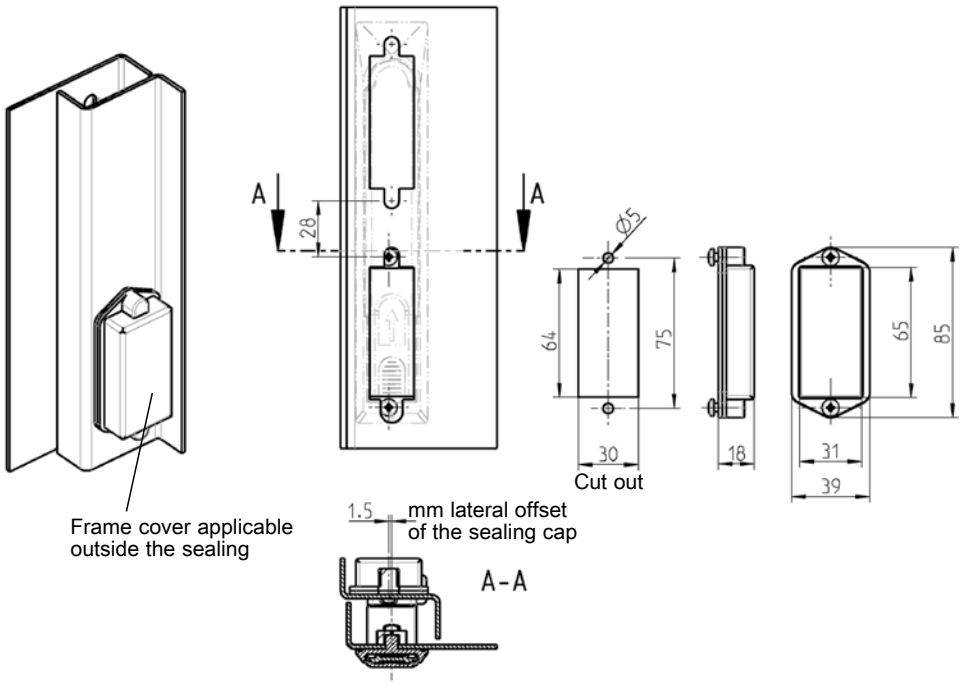
PROGRAM 1150











Note:
Swinghandle without locking set

Further parts see page
– Locking set 3XA-120
3XA-140
– Locking set ELM
Special catalogue Electronics
– Rod control
3YA-420

Swinghandle zinc die black powder-coated, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal	
	1151-U3
Frame cover polyamide GF black, screws m.s. zinc plated for LH and RH application, with seal	
	2100-U31

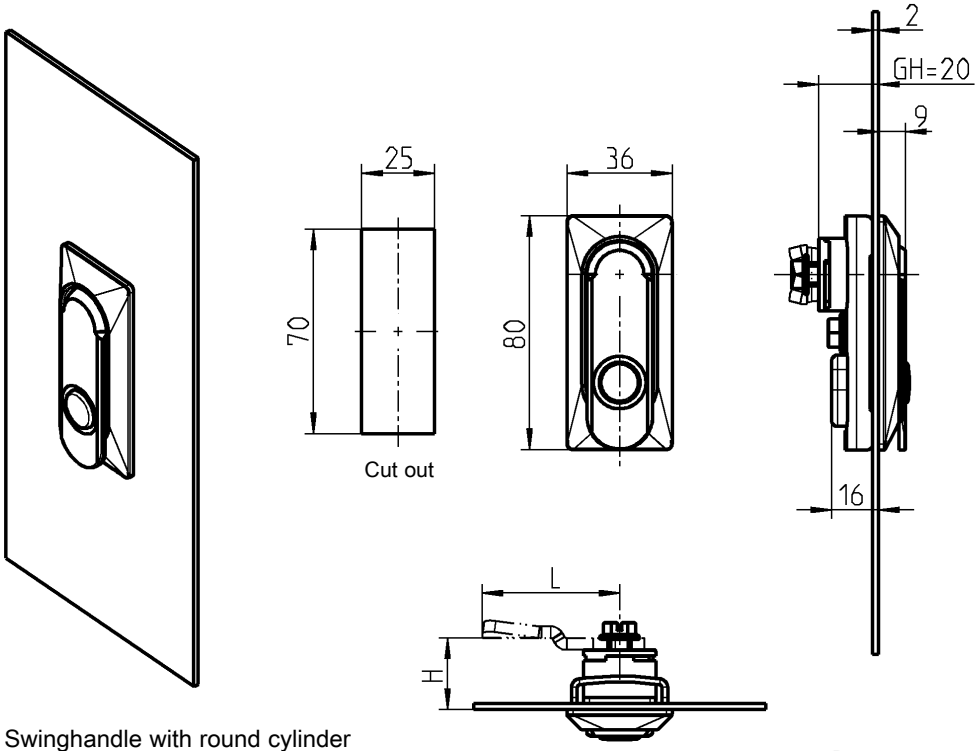
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Items printed in gray without stock

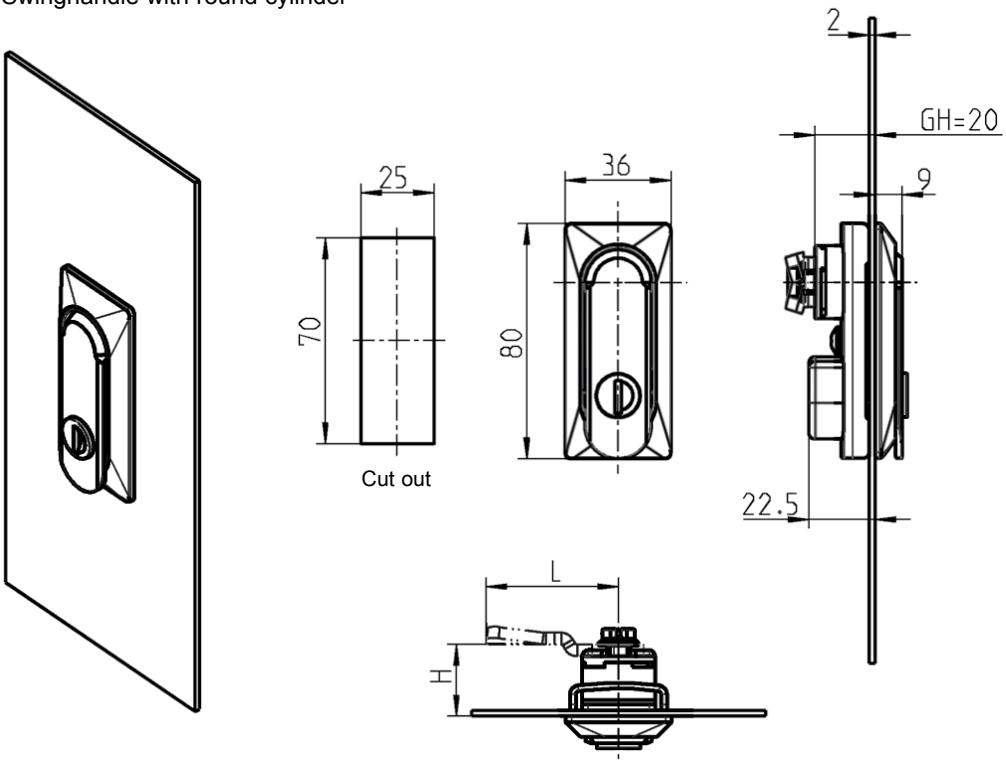
Swinghandle 1152

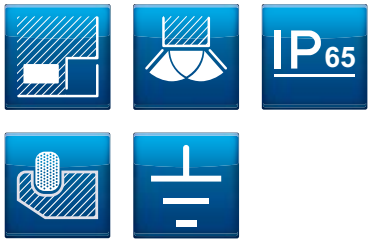
PROGRAM 1150

Swinghandle with push button or blind



Swinghandle with round cylinder









Turn 90°

Swinghandle zinc die black powder-coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, push button polyamide silver, with seal. Each round cylinder has one silver steel key with grip polyamide GF black	
Push button	1152-U1
keyed EK 333	1152-U2
keyed different	1152-U4
blind	1152-U3

Note:
Polyamide version on request.

Further parts see page
– Cam without catch on request
(not for cam with rod control)
– Spare key 8B-140

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Swinghandle 1152 with compression

PROGRAM 1150







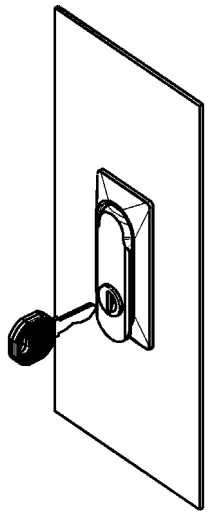
Turn 90°

Note:
Suitable for door thicknesses from 1 - 3 mm.

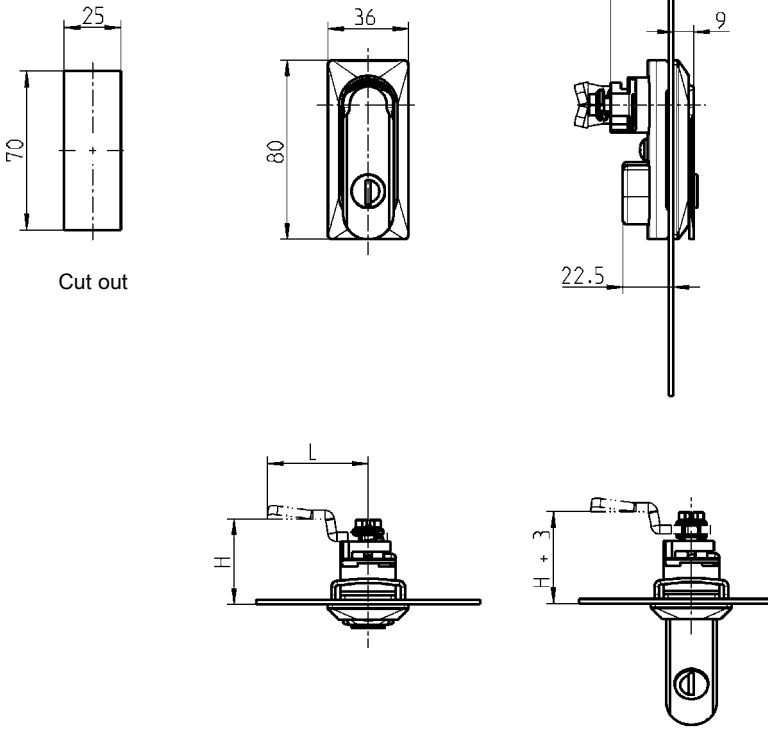
Further versions on request
– Version with logo possible
– Additional vibration protection e.g. for use in vehicle construction

Further parts see page

– Cam	1C-120
– Spare key	8B-140



As the handle is pushed into the escutcheon (see fig 2) the cam moves 3 mm axially towards the door.



Cut out

**Swinghandle polyamide GF black powder-coated,
round cylinder with stainless steel cap and shutter,
fixing material m.s. zinc-plated,
shaft zinc die zinc-plated, push button polyamide silver.
Each round cylinder has one silver steel key with grip polyamide GF black**

	without seal (IP 40)	with seal (IP 65)
Push button	1152-U9	1152-U9-01
keyed EK 333	1152-U10	1152-U10-01
keyed different	1152-U12	1152-U12-01
blind	1152-U11	1152-U11-01

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Items printed in gray without stock

Swinghandle* 1155

PROGRAM 1150

Swinghandle with two locking options. For single point or multiple point locking system.

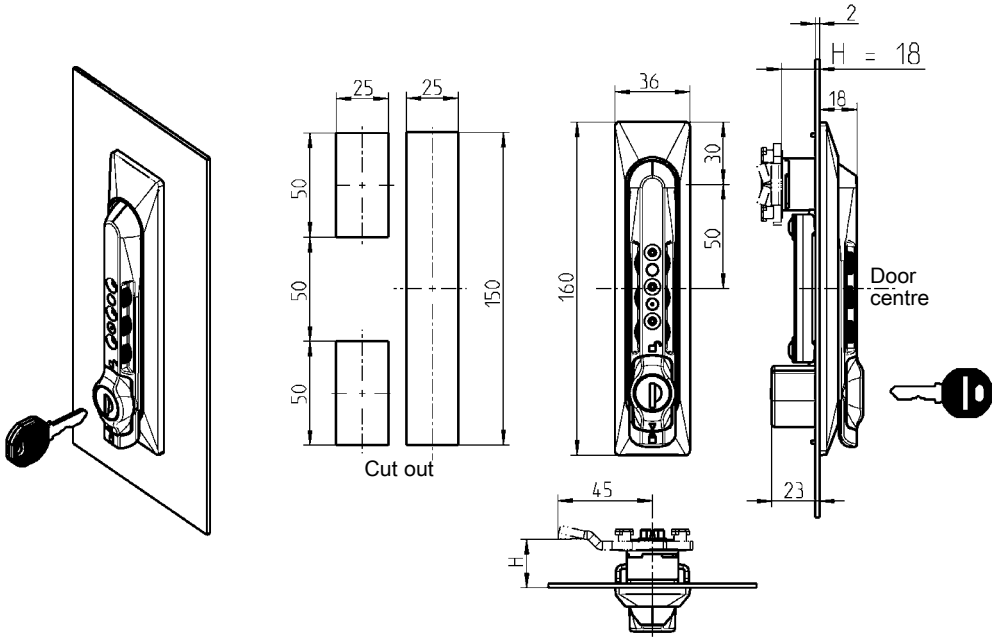


Option 1:
Release using round cylinder. Operation as with usual swinghandles of Program 1150. The combination lock remains untouched.



Option 2:
Release using combination lock and wing knob. The round cylinder remains locked. The arrow on the wing knob indicates the opened or closed position.





Swinghandle polyamide GF black powder-coated, shaft zinc die zinc-plated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1155-U1
keyed different	1155-U2

* can be used for cut out of 1125/1225

Further parts see page

– Cams (GH = 18)	3YC-120
– Spare key	8B-140

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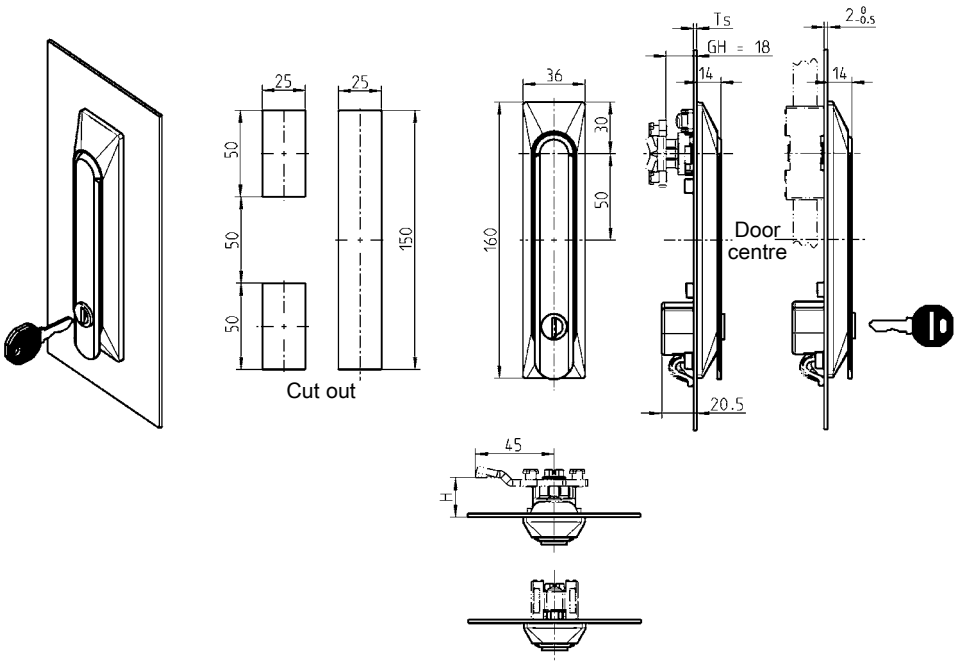
EMKA® Beschlagteile

Swinghandle* 1150 with universal dish

PROGRAM 1150







Attention:
Please order fixing material separately.
Ts = 1.0 to 3.0 mm depending on choice of fixing material

Swinghandle material of choice, dish polyamide black, shaft zinc die zinc-plated, with seal, round cylinder zinc die with stainless steel cap and shutter.
Each round cylinder has one silver steel key with grip polyamide GF black

	Swinghandle polyamide GF black	Handle zinc die black powder-coated
keyed EK 333	1150-U2-11	1150-U2-12
keyed different	1150-U4-11	1150-U4-12
Insert zinc die chrome-plated		
Square 6	1150-U9-11	1150-U9-12
Square 7	1150-U10-11	1150-U10-12
Square 8	1150-U11-11	1150-U11-12
Triangular 6.5 CNOMO	1150-U31-11	1150-U31-12
Triangular 7	1150-U12-11	1150-U12-12
Triangular 8	1150-U13-11	1150-U13-12
Double bit 3	1150-U14-11	1150-U14-12
Double bit 5	1150-U15-11	1150-U15-12
Daimler Benz	1150-U16-11	1150-U16-12
Slot 2x4	1150-U17-11	1150-U17-12
Hexagon female SW 8 with pin	1150-U18-11	1150-U18-12
Hexagon male SW 11	1150-U19-11	1150-U19-12
Push button	1150-U20-11	1150-U20-12

* can be used for
cut out of 1125/1225

Further parts see page

– Fixing material 3C-780
– Cams (GH = 18) 3YC-120
– Rod control 3YA-110
3YA-120
3YA-140
– Key 8B-120
– Spare key 8B-140

On request:
– Key of round cylinder
not removable in open position
– Other inserts
– Handle blind
(without locking system)

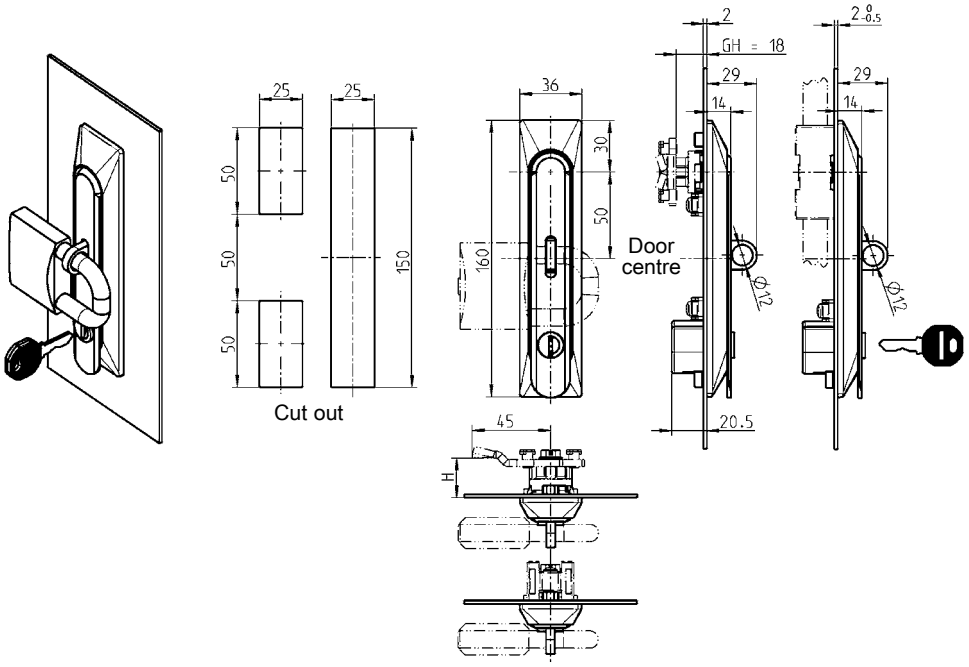
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Items printed in gray without stock

Swinghandle* 1150 for padlock with universal dish

PROGRAM 1150

EMKA Beschlagteile



Attention:
Please order fixing material separately.
Ts = 1.0 to 3.0 mm depending on choice of fixing material



Swinghandle zinc die black powder-coated; dish polyamide black; padlock shackle AISI 316; shaft zinc die zincplated, with seal; round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1150-U2-13
keyed different	1150-U4-13
Insert zinc die chrome-plated	
Square 6	1150-U9-13
Square 7	1150-U10-13
Square 8	1150-U11-13
Triangular 6.5 CNOMO	1150-U31-13
Triangular 7	1150-U12-13
Triangular 8	1150-U13-13
Double bit 3	1150-U14-13
Double bit 5	1150-U15-13
Daimler Benz	1150-U16-13
Slot 2x4	1150-U17-13
Hexagon female SW 8 with pin	1150-U18-13
Hexagon male SW 11	1150-U19-13
Push button	1150-U20-13

* can be used for cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cams (GH = 18)	3YC-120
– Rod control	3YA-110
	3YA-120
	3YA-140
– Key	8B-120
– Spare key	8B-140

On request:
– Key of round cylinder not removable in open position
– Other inserts
– Handle blind (without locking system)

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EMKA Beschlagteile

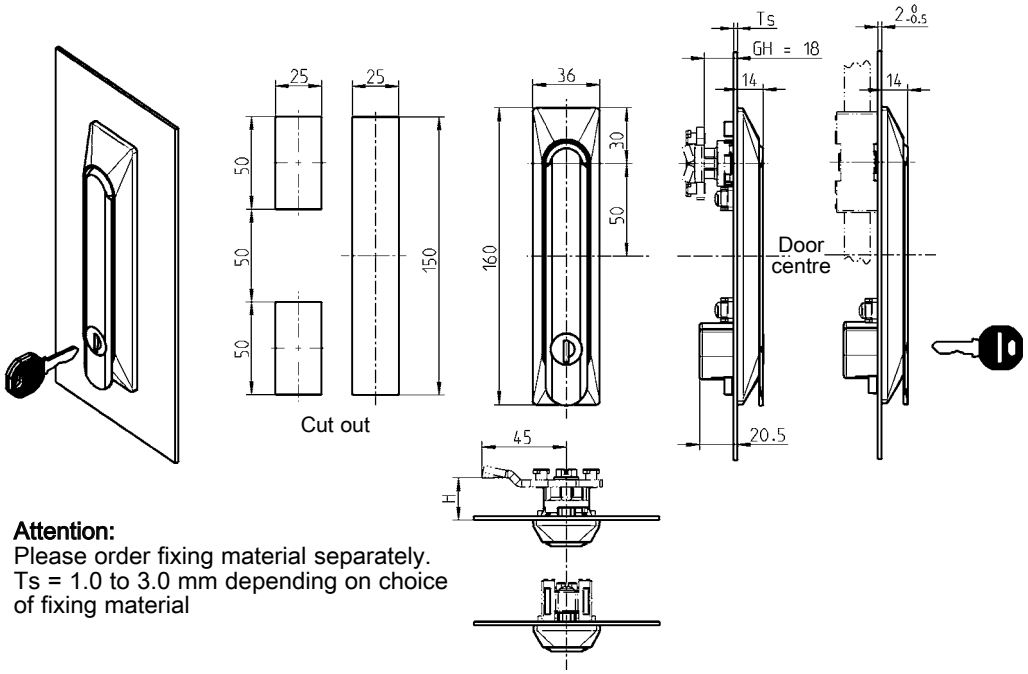
®Swinghandle* 1150 with 'Push to Lock' function with universal dish

PROGRAM 1150

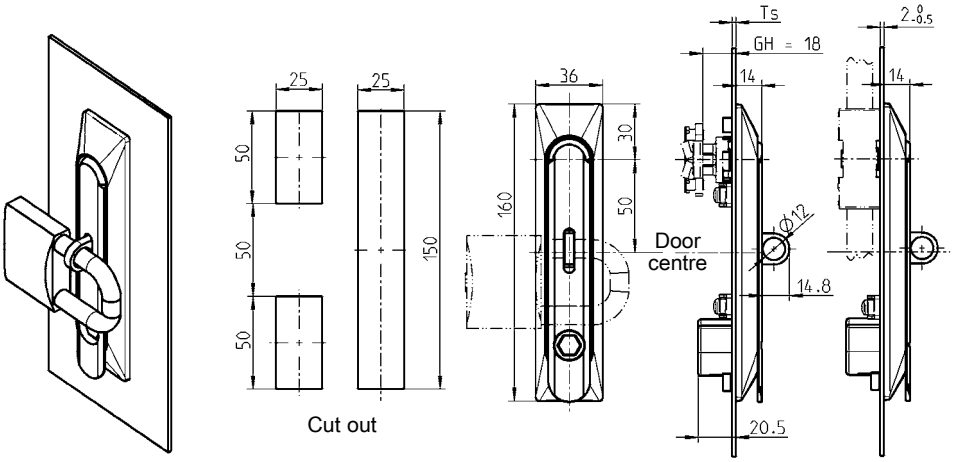








Attention:
Please order fixing material separately.
Ts = 1.0 to 3.0 mm depending on choice of fixing material



Swinghandle zinc die black powder-coated, dish polyamide black, shaft zinc die zinc-plated, with seal, round cylinder zinc die with stainless steel cap and shutter.
Each round cylinder has one silver steel key with grip polyamide GF black

		Push to lock	Push to lock and for padlock
keyed EK 333	1150-U33-22	-	-
keyed different	1150-U34-22	-	-
Insert zinc die chrome-plated			
Square 6	1150-U36-22	1150-U36-30	1150-U36-31
Square 7	1150-U37-22	1150-U37-30	1150-U37-31
Square 8	1150-U38-22	1150-U38-30	1150-U38-31
Triangular 6.5 CNOMO	1150-U39-22	1150-U39-30	1150-U39-31
Triangular 7	1150-U40-22	1150-U40-30	1150-U40-31
Triangular 8	1150-U41-22	1150-U41-30	1150-U41-31
Double bit 3	1150-U42-22	1150-U42-30	1150-U42-31
Double bit 5	1150-U43-22	1150-U43-30	1150-U43-31
Daimler Benz	1150-U44-22	1150-U44-30	1150-U44-31
Slot 2x4	1150-U35-22	1150-U35-30	1150-U35-31
Hexagon female SW 8 with pin	1150-U45-22	1150-U45-30	1150-U45-31
Hexagon male SW 11	1150-U46-22	1150-U46-30	1150-U46-31

* can be used for cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cams (GH = 18)	3YC-120
– Rod control	3YA-110 3YA-120 3YA-140
– Key	8B-120
– Spare key	8B-140

On request:
– Key of round cylinder not removable in open position
– Other inserts

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Items printed in gray without stock

Swinghandle* 1155 with combination lock with universal dish

PROGRAM 1150

EMKA Beschlagteile

Swinghandle with two locking options. For single point or multiple point locking system.

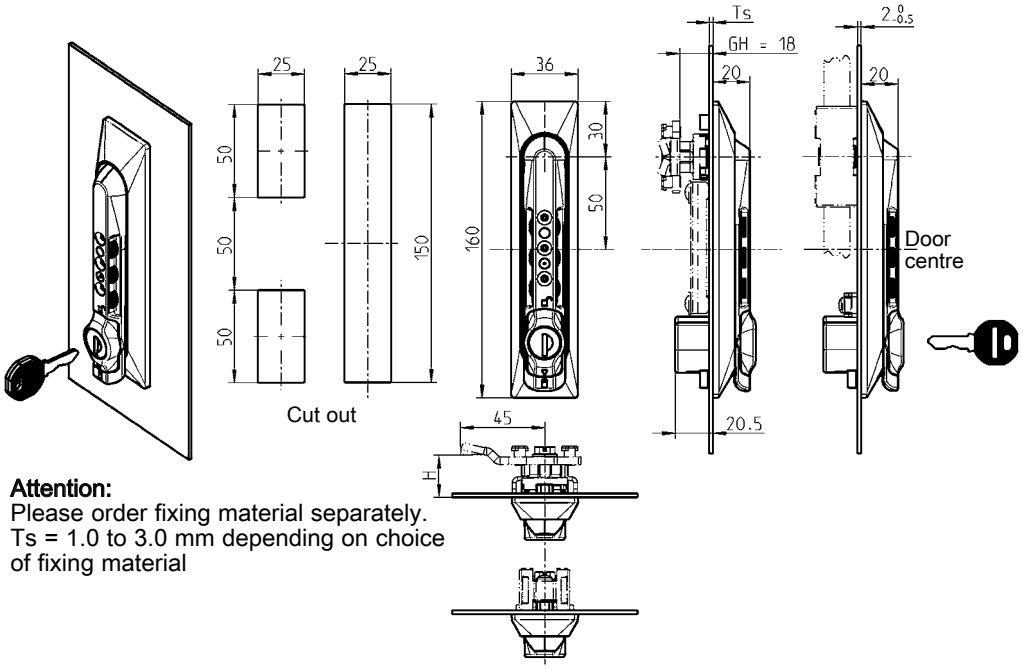




Option 1:
Release using round cylinder. Operation as with usual swinghandles of Program 1150. The combination lock remains untouched.

Option 2:
Release using combination lock and wing knob. The round cylinder remains locked. The arrow on the wing knob indicates the opened or closed position.





Attention:
Please order fixing material separately.
Ts = 1.0 to 3.0 mm depending on choice of fixing material

* can be used for cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cams (GH = 18)	3YC-120
– Rod control	3YA-110
	3YA-120
	3YA-140
– Spare key	8B-140

On request:
– Key of round cylinder not removable in open position
– Other inserts

Swinghandle polyamide GF black, shaft zinc die zinc-plated, with seal, round cylinder with stainless steel cap and shutter. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1155-U1-11
keyed different	1155-U2-11

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®Fixing material for swinghandle with universal dish

PROGRAM 1150











Further parts see page
– Swinghandle with universal dish 3C-720 to 3C-750
– Cams (GH = 18) 3YC-120
– Rod control 3YA-110, 3YA-120, 3YA-140

On request:
– Further door thicknesses Ts

Fixing material for swinghandle with cam



Hook and bridge polyamide black, adapter zinc die zinc-plated, fixing material m.s. zinc-plated	
Ts = 1.0	1150-U50-01
Ts = 2.0	1150-U50-02
Ts = 3.0	1150-U50-03



Bridge polyamide GF black, adapter zinc die zinc-plated, fixing material m.s. zinc-plated	
Ts = 1.0 to 3.0	1150-U52



Adapter zinc die zinc-plated, mounting rail and fixing material m.s. zinc-plated	
Ts = 1.0 to 2.0	1150-U54

Fixing material for swinghandle with rod control



Hook polyamide GF black, fixing material m.s. zinc-plated	
Ts = 1.0	-
Ts = 2.0 $_{-0.5}$	1150-U51-02
Ts = 3.0	-

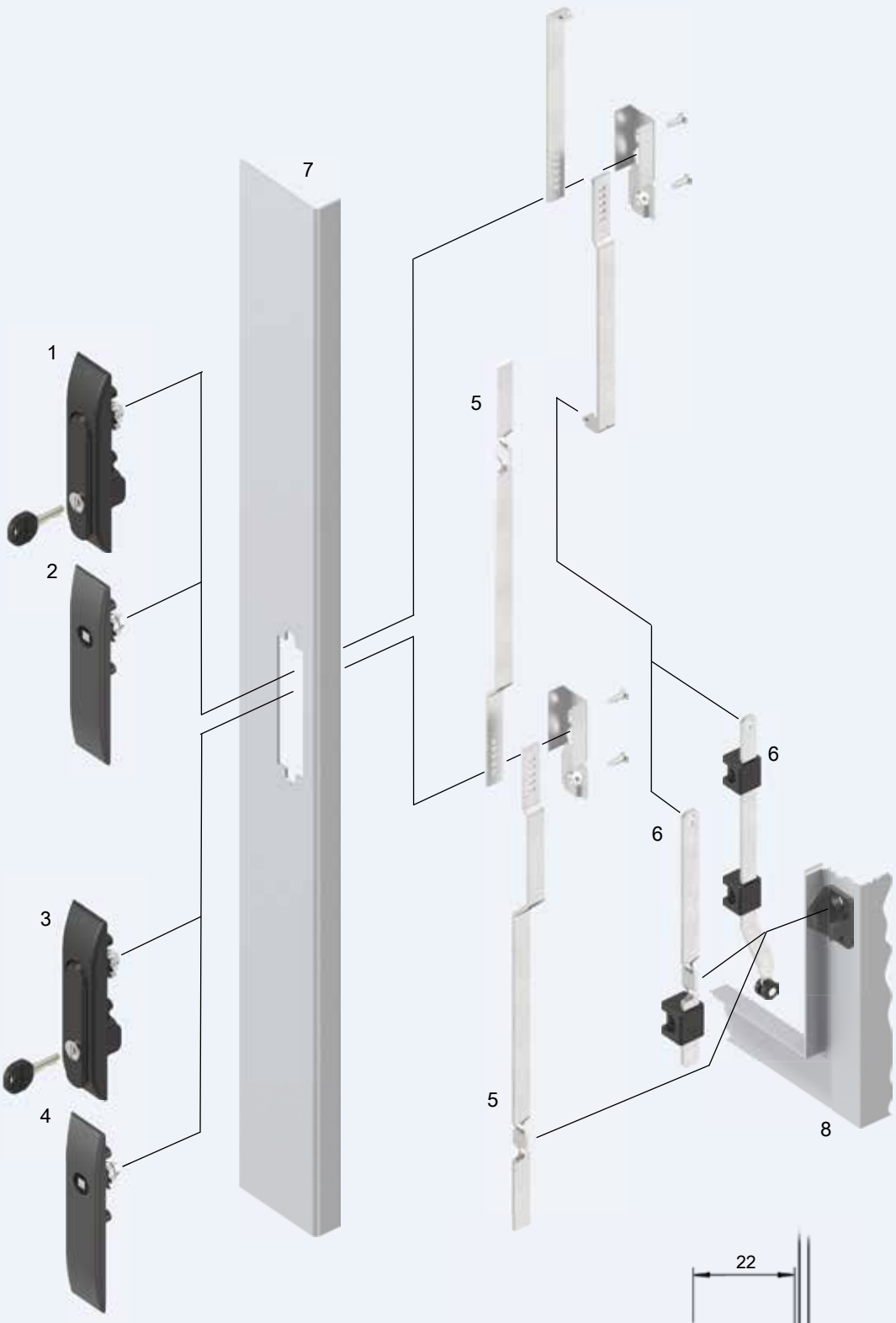


Bridge polyamide GF black, fixing material m.s. zinc-plated	
Ts = 2.0 $_{-0.5}$	1150-U53

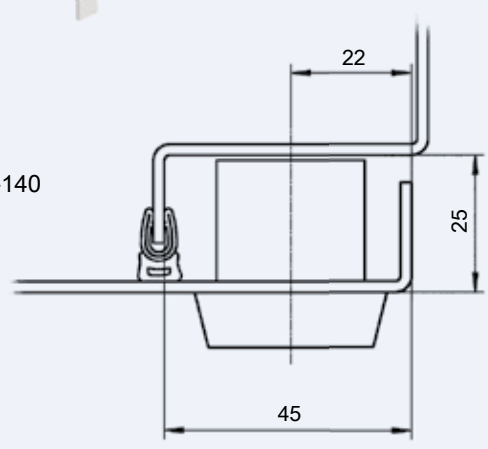
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Items printed in gray without stock

Swinghandle and Escutcheon Program 1160



1	Swinghandle	3D-120, 3D-140
2	Escutcheon	3D-120
3	Swinghandle	3D-220
4	Escutcheon	3D-220
5	Rod	
6	Rod	
7	Door	
8	Housing / Frame	



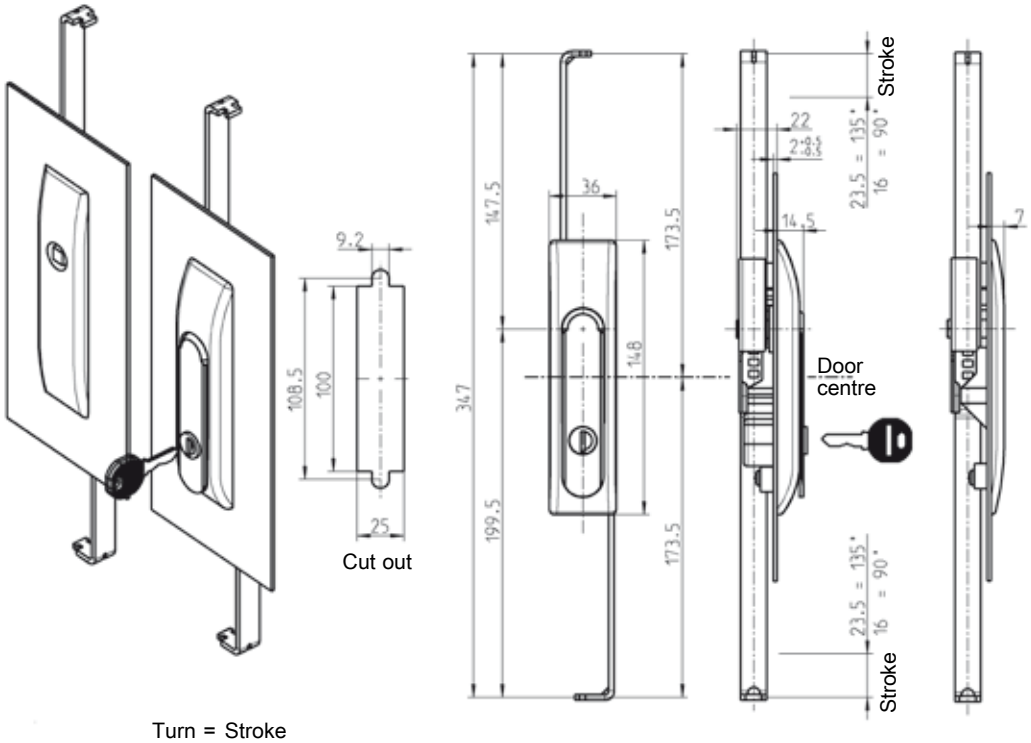
3D-100

EMKA®
Beschlagteile

Swinghandle / Escutcheon with rods

PROGRAM 1160





Turn = Stroke
135° = 23.5 mm
90° = 16 mm

Swinghandle zinc die black powder-coated, shaft material of choice, rods m.s. zinc-plated, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome-plated, push button housing polyamide black, push button polyamide grey.
Each round cylinder has one silver steel key with grip polyamide GF black

	Escutcheon	
	Polyamide	Zinc die
keyed EK 333	1160-U1	1160-U3
keyed different	1160-U2	1160-U4
Square 6	1160-U9	1160-U20
Square 7	1160-U10	1160-U21
Square 8	1160-U11	1160-U22
Triangular 6.5 CNOMO	1160-U32	1160-U31
Triangular 7	1160-U12	1160-U23
Triangular 8	1160-U13	1160-U24
Double bit 3	1160-U14	1160-U25
Double bit 5	1160-U15	1160-U26
Daimler Benz	1160-U16	1160-U27
Slot 2x4	1160-U17	1160-U28
Hexagon female SW 8 with pin	1160-U18	1160-U29
Hexagon male SW 11	1160-U19	1160-U30
Push button	1160-U35	1160-U36

Escutcheon polyamide GF black, insert zinc die chrome-plated, rods m.s. zinc-plated, fixing material m.s. zinc-plated, with seal

with mask	
Double bit 3	1160-U52
Double bit 5	1160-U53
FIAT	1160-U64
without mask	
Square 6	1160-U54
Square 7	1160-U55
Square 8	1160-U56
Triangular 6.5 CNOMO	1160-U65
Triangular 7	1160-U57
Triangular 8	1160-U58
Square female 8	1160-U63
Daimler Benz	1160-U59
Slot 2x4	1160-U60
Double bit 3	1160-U61
Double bit 5	1160-U62
Eastern Europe Ø 13 half-round	1160-U66

Further parts see page
– Rod
outside 3ZA-120
inside 3ZA-320
inside 3ZB-120
3ZB-220
– Spare key 8B-140

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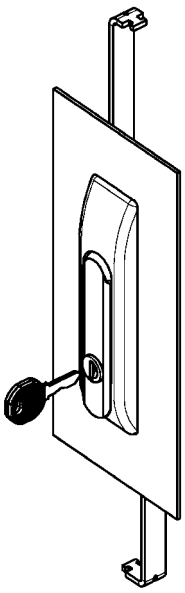
Items printed in gray without stock

Swinghandle with rods

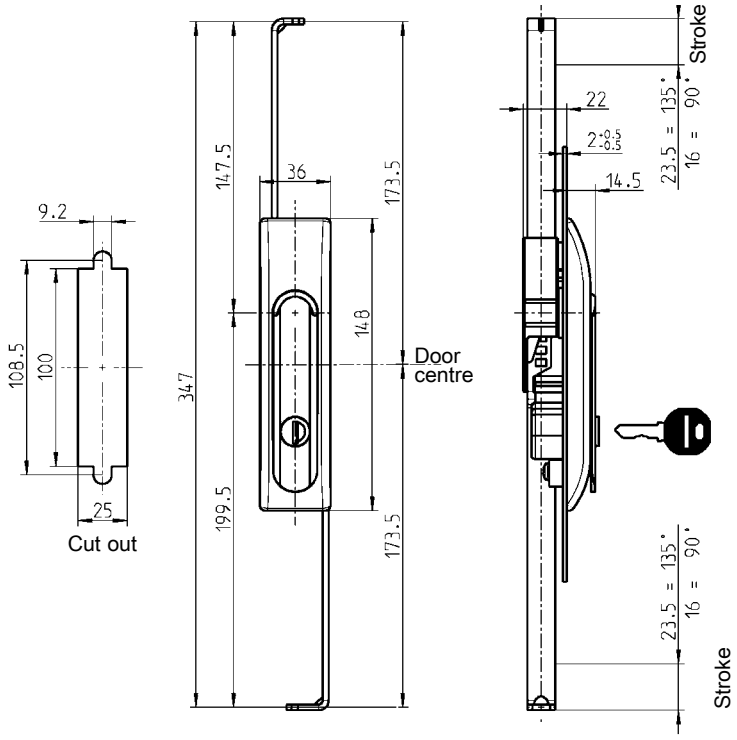
PROGRAM 1160

EMKA Beschlagteile

Swinghandle for
pre-assembled rod control



Turn = Stroke
135° = 23.5 mm
90° = 16 mm





Swinghandle zinc die black powder-coated, shaft material of choice, rods m.s. zinc-plated, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome-plated, push button housing polyamide black, push button polyamide grey. Each round cylinder has one silver steel key with grip polyamide GF black		
	Escutcheon	
	Polyamide	Zinc die
keyed EK 333	1160-U201	1160-U203
keyed different	1160-U202	1160-U204
Push button	1160-U235	1160-U236
Rod control polyamide GF black, rods m.s. zinc-plated		
RH version		1160-U200-RE
LH version		1160-U200-LI

Further parts see page
– Rod
outside 3ZA-120
inside 3ZA-320
inside 3ZB-120
3ZB-220
– Spare key 8B-140

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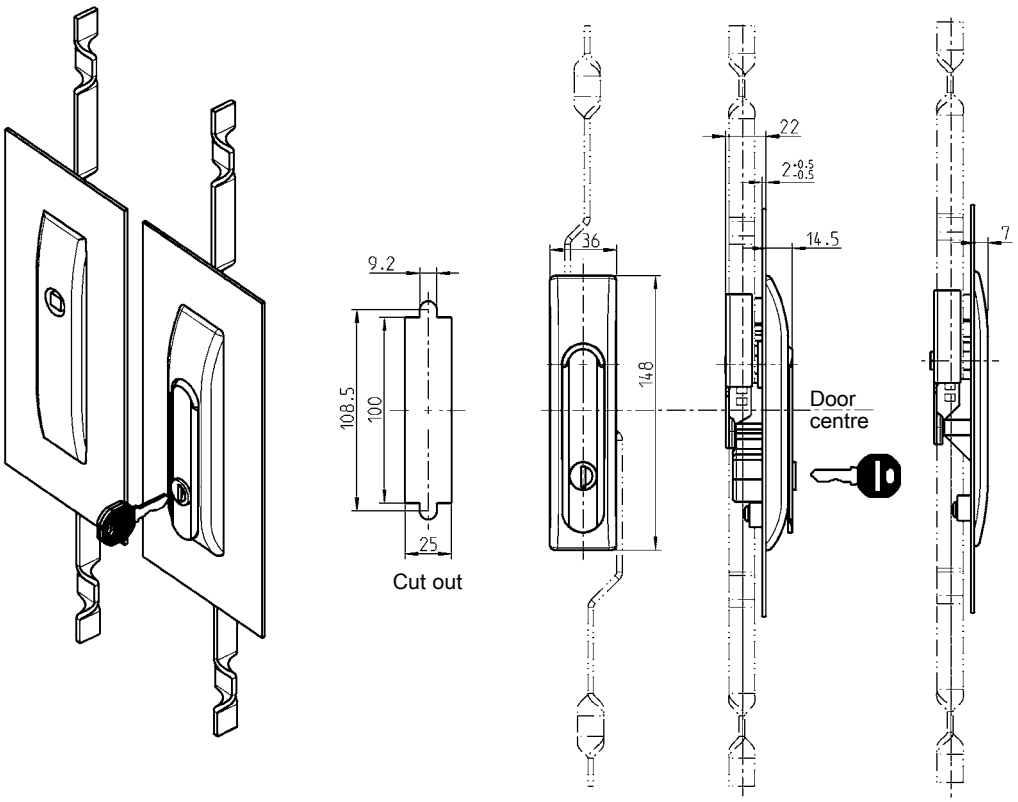
Items printed in gray without stock

EMKA® Beschlagteile

Swinghandle / Escutcheon with rods

PROGRAM 1160







Swinghandle zinc die black powder-coated, escutcheon material of choice, fixing material m.s. zinc-plated, shaft zinc die zinc-plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome-plated, push button housing polyamide black, push button polyamide grey.
Each round cylinder has one silver steel key with grip polyamide GF black

	Escutcheon	
	Polyamide	Zinc die
keyed EK 333	1160-U101	1160-U103
keyed different	1160-U102	1160-U104
Square 6	1160-U109	1160-U120
Square 7	1160-U110	1160-U121
Square 8	1160-U111	1160-U122
Triangular 6.5 CNOMO	1160-U132	1160-U131
Triangular 7	1160-U112	1160-U123
Triangular 8	1160-U113	1160-U124
Double bit 3	1160-U114	1160-U125
Double bit 5	1160-U115	1160-U126
Daimler Benz	1160-U116	1160-U127
Slot 2x4	1160-U117	1160-U128
Hexagon female SW 8 with pin	1160-U118	1160-U129
Hexagon male SW 11	1160-U119	1160-U130
Push button	1160-U135	1160-U136

Escutcheon polyamide GF black, insert zinc die chrome-plated, rods m.s. zinc-plated, fixing material m.s. zinc-plated, with seal

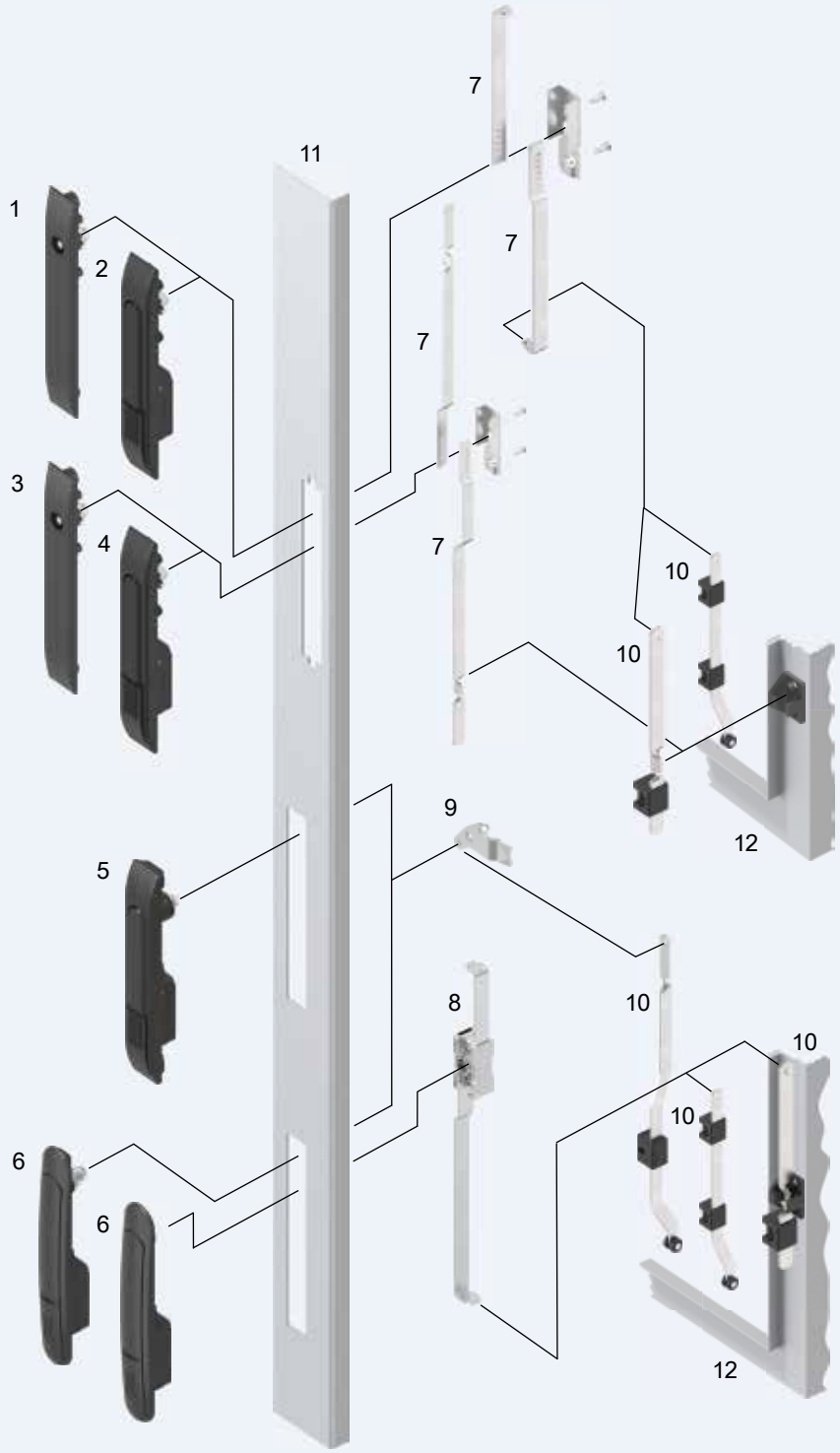
with mask	
Double bit 3	1160-U152
Double bit 5	1160-U153
FIAT	1160-U164
without mask	
Square 6	1160-U154
Square 7	1160-U155
Square 8	1160-U156
Triangular 6.5 CNOMO	1160-U165
Triangular 7	1160-U157
Triangular 8	1160-U158
Square female 8	1160-U163
Daimler Benz	1160-U159
Slot 2x4	1160-U160
Double bit 3	1160-U161
Double bit 5	1160-U162
Eastern Europe Ø 13 half-round	1160-U166

Further parts see page
– Rod
outside 3ZA-420
– Spare key 8B-140

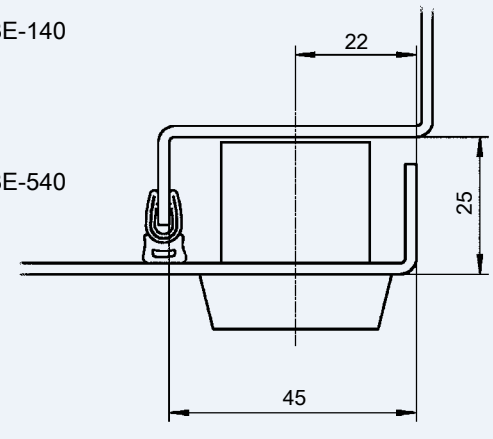
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Items printed in gray without stock

Swinghandle and Escutcheon Program 1180



1	Escutcheon	3E-120
2	Swinghandle 1180	3E-120, 3E-140
3	Escutcheon	3E-220
4	Swinghandle 1180	3E-220
5	Swinghandle 1180	3E-320
6	Swinghandle 1185	3E-520, 3E-540
7	Rod	
8	Rod control	
9	Cam	
10	Rod	
11	Door	
12	Housing / Frame	



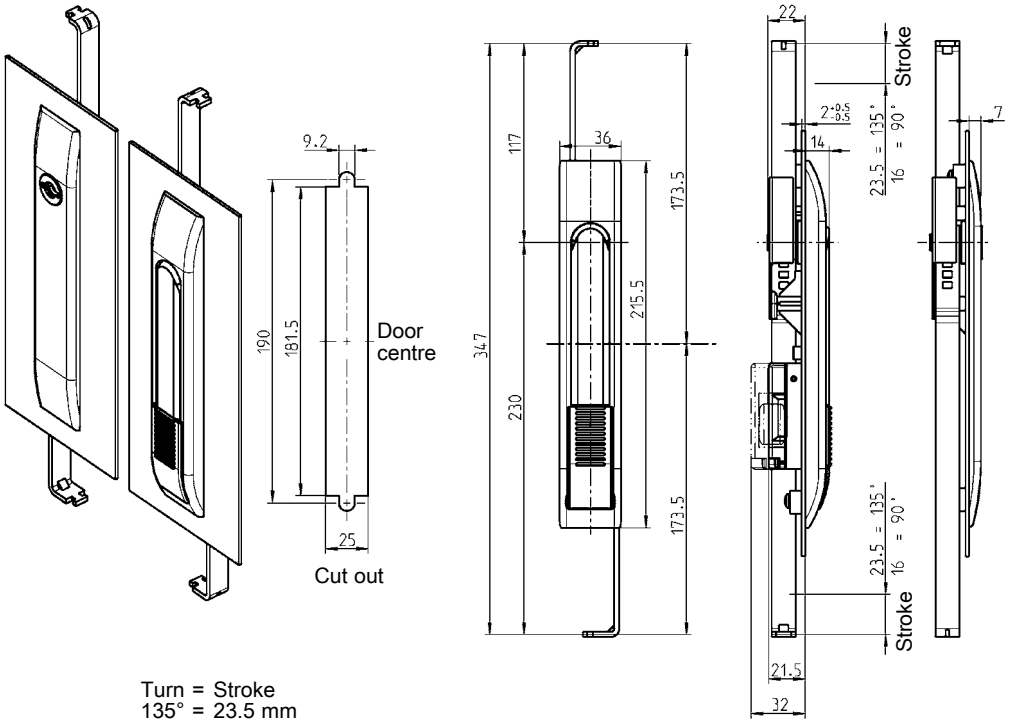
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Beschlagteile

Swinghandle 1180 or escutcheon with rods

PROGRAM 1180







Turn = Stroke
135° = 23.5 mm
90° = 16 mm

Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black, shaft zinc die zinc-plated, rods m.s. zinc-plated, fixing material m.s. zinc-plated, with seal	
	1180-U1
Escutcheon polyamide GF black, insert zinc die chrome-plated, rods m.s. zinc-plated, fixing material m.s. zinc-plated, with seal	
with mask	
Double bit 3	1180-U2
Double bit 5	1180-U3
FIAT	1180-U14
without mask	
Square 6	1180-U4
Square 7	1180-U5
Square 8	1180-U6
Triangular 6.5 CNOMO	1180-U15
Triangular 7	1180-U7
Triangular 8	1180-U8
Square female 8	1180-U13
Daimler Benz	1180-U9
Slot 2x4	1180-U10
Double bit 3	1180-U11
Double bit 5	1180-U12
Eastern Europe Ø 13 half-round	1180-U16

Further parts see page
– Key 8B-120
– Locking set 3XA-120
3XA-240
– Locking set ELM
Special catalogue Electronics
– Rod
outside 3ZA-120
inside 3ZA-320
inside 3ZB-120
3ZB-220

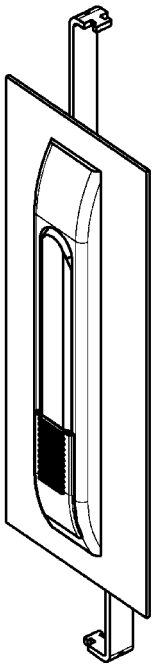
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Items printed in gray without stock

Swinghandle 1180 with rods

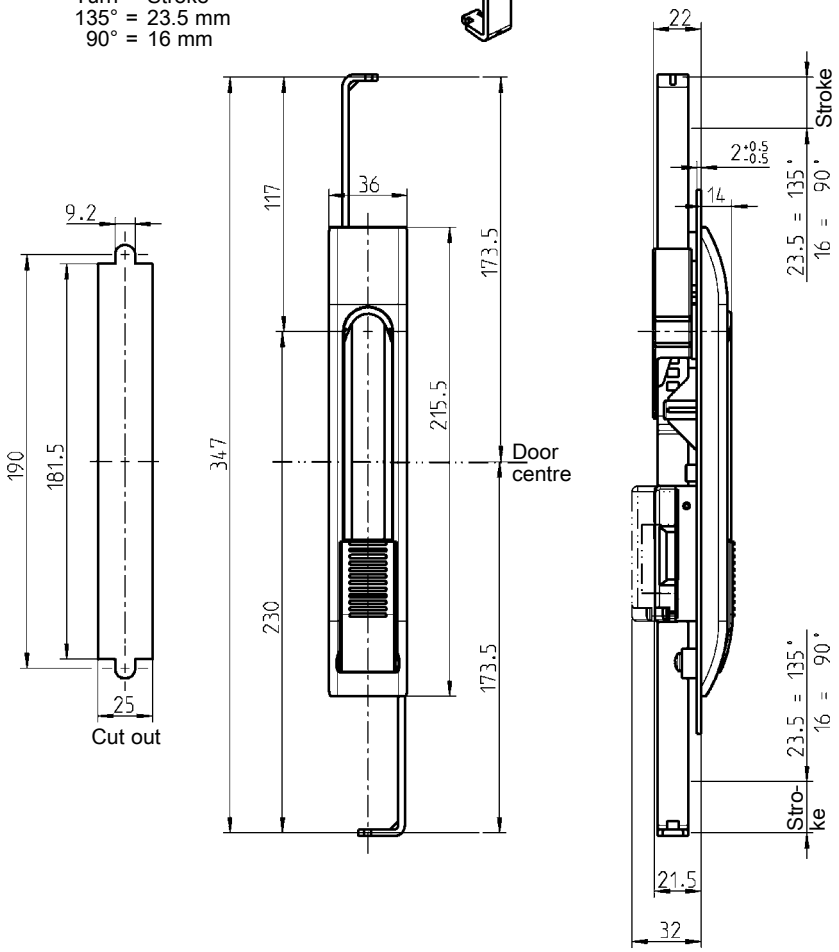
PROGRAM 1180

Swinghandle for
pre-assembled rod control





Turn = Stroke
135° = 23.5 mm
90° = 16 mm



Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black powder-coated, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal	
	1180-U301
Rod control polyamide GF black, rods m.s. zinc-plated	
Right-hand version	1180-U200-RE
Left-hand version	1180-U200-LI

Further parts see page

– Locking set 3XA-120
3XA-240
– Locking set ELM
Special catalogue Electronics
– Rod
outside 3ZA-120
inside 3ZA-320
inside 3ZB-120
3ZB-220

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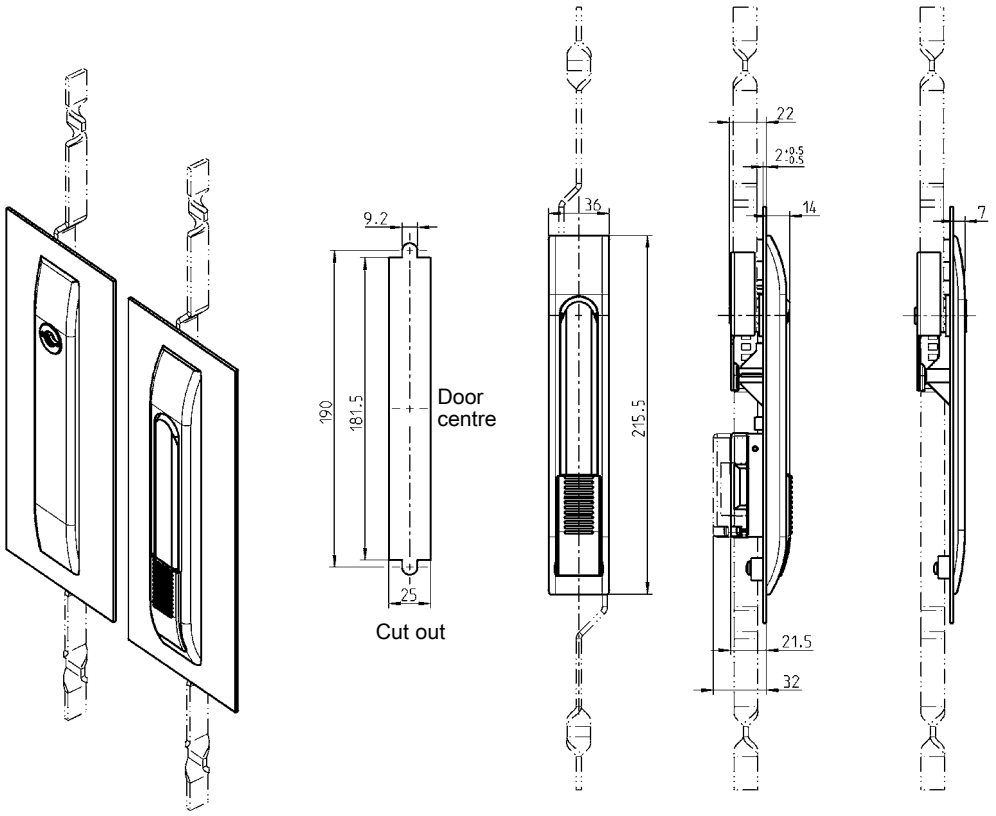
Swinghandle 1180 or escutcheon for rods

PROGRAM 1180









Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black powder-coated, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal	
	1180-U101
Escutcheon polyamide GF black, insert zinc die chrome-plated, fixing material m.s. zinc-plated, with seal	
with mask	
Double bit 3	1180-U102
Double bit 5	1180-U103
FIAT	1180-U114
without mask	
Square 6	1180-U104
Square 7	1180-U105
Square 8	1180-U106
Triangular 6.5 CNOMO	1180-U115
Triangular 7	1180-U107
Triangular 8	1180-U108
Square female 8	1180-U113
Daimler Benz	1180-U109
Slot 2x4	1180-U110
Double bit 3	1180-U111
Double bit 5	1180-U112
Eastern Europe Ø 13 half-round	1180-U116

Further parts see page

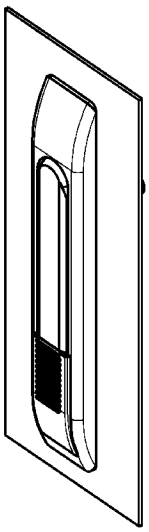
– Key	8B-120
– Locking set	3XA-120
	3XA-240
– Locking set ELM	
Special catalogue Electronics	
– Rod	
outside	3ZA-520

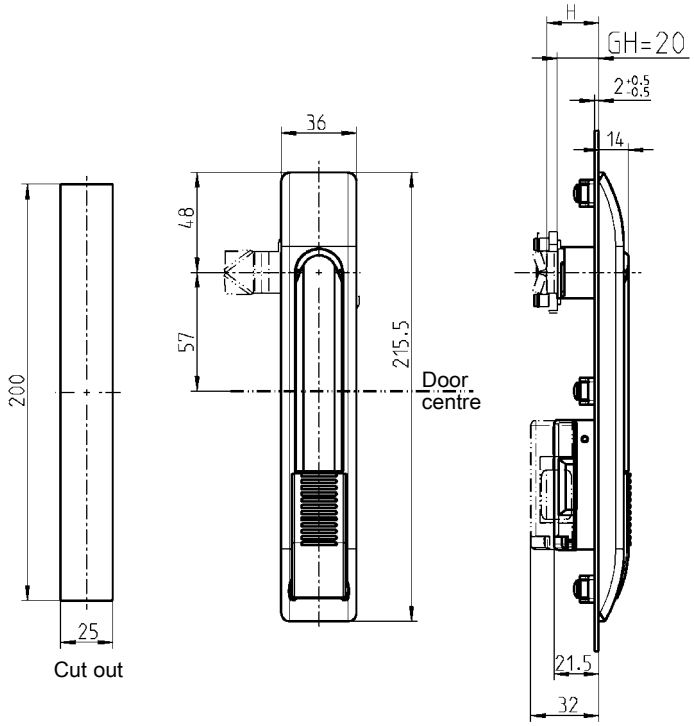
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Items printed in gray without stock

Swinghandle 1180 with 3-point-locking system

PROGRAM 1180







Further parts see page

– Locking set 3XA-120
3XA-240
– Locking set ELM
Special catalogue Electronics
– Cam (GH = 20) 3YC-140

Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black powder-coated, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, fixing bridges polyamide GF. black, with seal

1180-U201

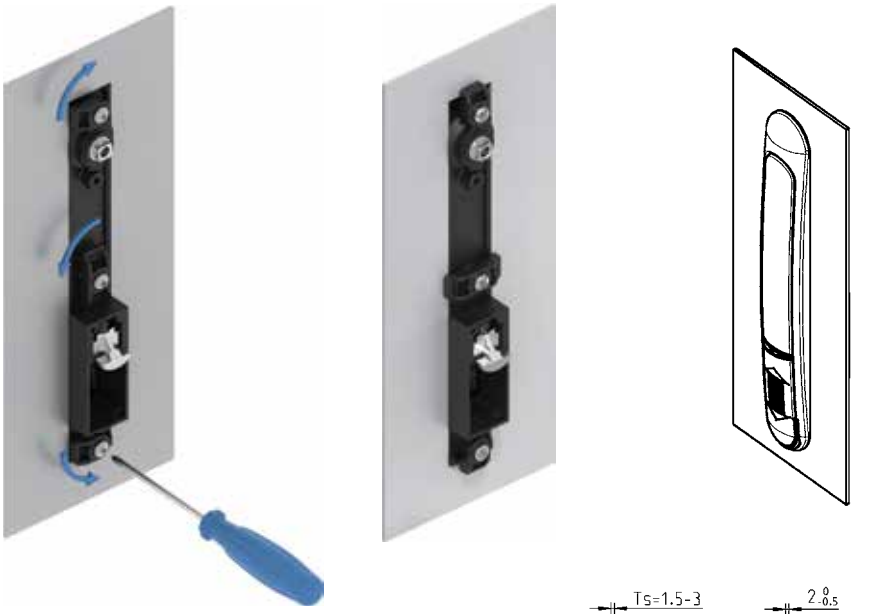
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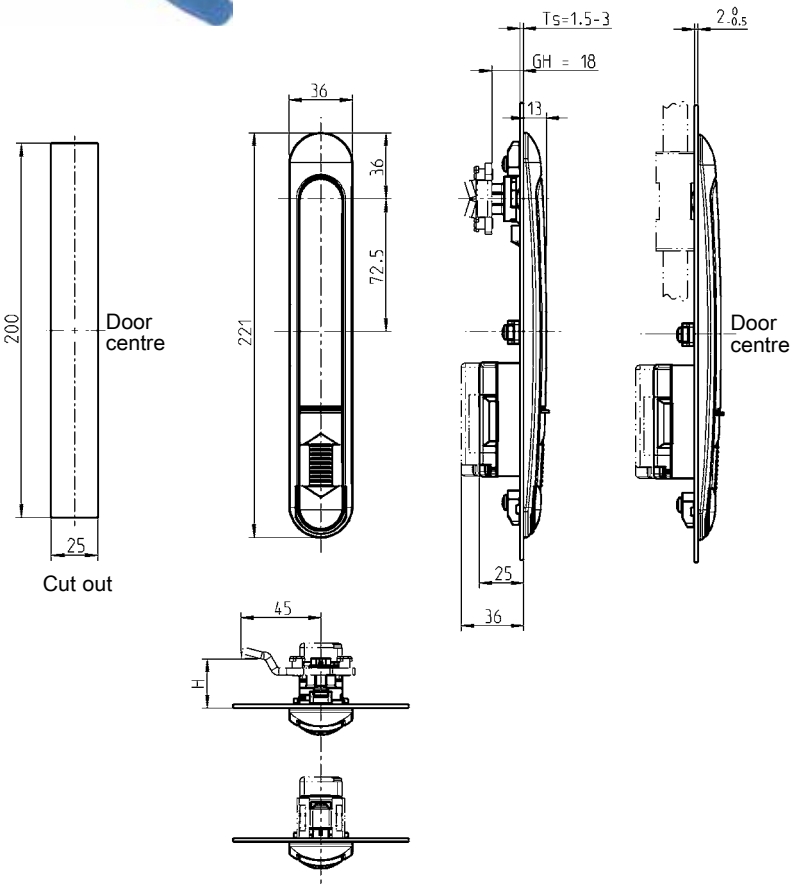
Swinghandle 1185 for cam or rod control

PROGRAM 1180

Turn pre-assembled fixing bridges by 90° and tighten







Note:
Swinghandle without locking set

Further parts see page

– Locking set	3XA-120 3XA-140
– Locking set ELM	Special catalogue Electronics
– Cam (stroke = 26)	3YC-120
– Rod control	3YA-480

Swinghandle polyamide GF black, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal	
for cam	1185-U1
for rod control	1185-U2

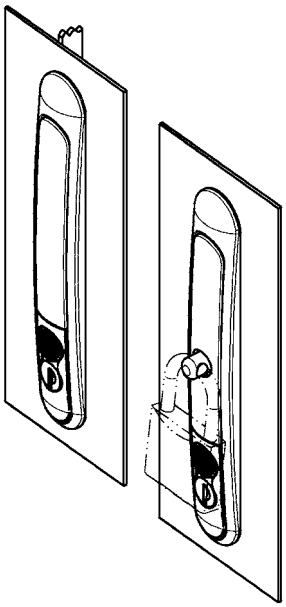
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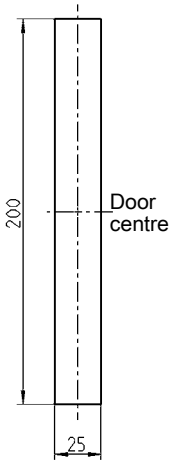
Swinghandle with push button 1185 for cam or rod control

PROGRAM 1180

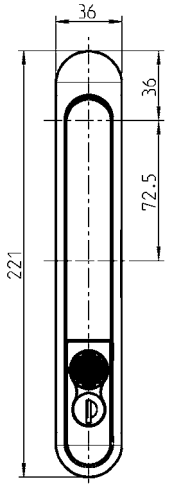


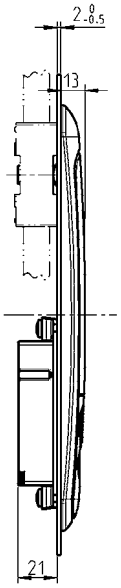
Adapter for cam 1185-U3, order separately

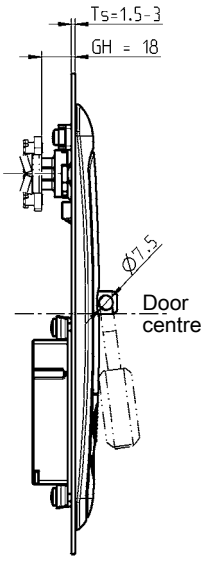


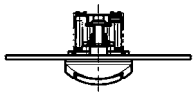


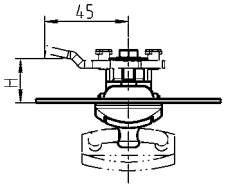
Cut out











Product benefits

- Use of rod control or cam possible
- Protection against vandalism by recessed operating elements
- Additional locking possible by means of a padlock







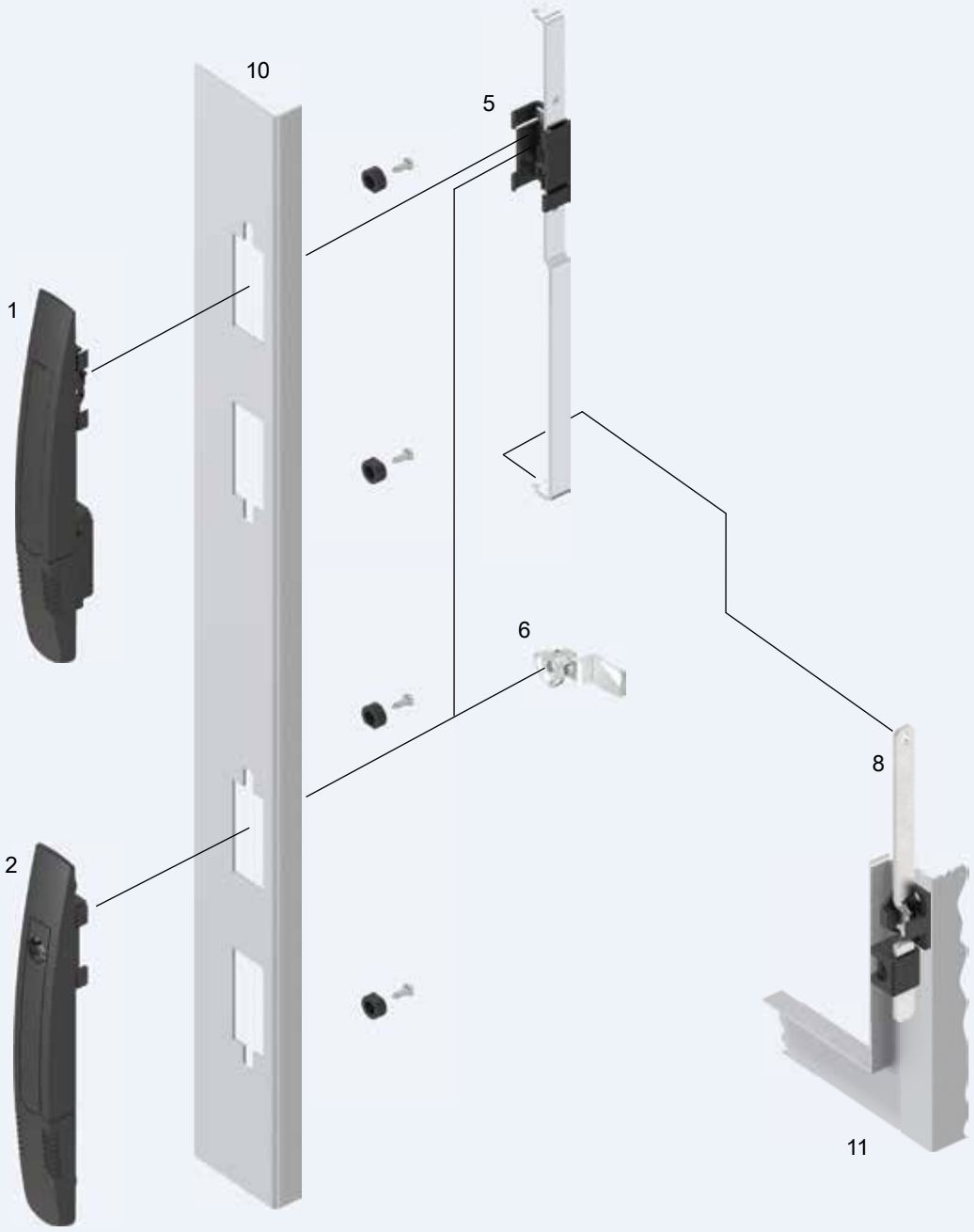
Swinghandle for rod control handle, escutcheon and push button zinc die black powder-coated; padlock stud AISI 303; shaft zinc die; round cylinder zinc die with stainless steel cap and dust cap; fixing material stainless steel; with seal. Each round cylinder has one key of m.s. nickel-plated.	
keyed EK 333	1185-U4
keyed different	1185-U4-V
keyed EK 333 and for padlock	1185-U5
keyed different and for padlock	1185-U5-V
Adapter for cam zinc die zinc-plated; bridge polyamide GF V0 black; with fixing material	
	1185-U3

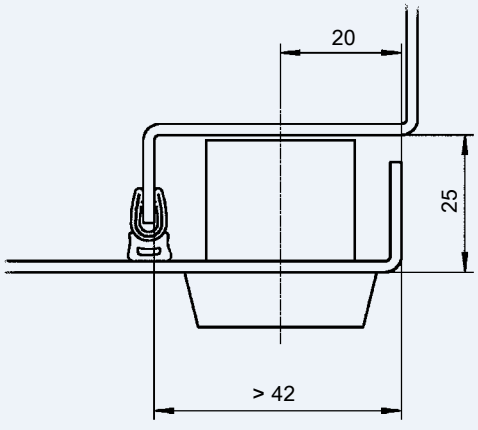
Further parts see page
– Cam (stroke = 26) 3YC-120
– Rod control 3YA-480

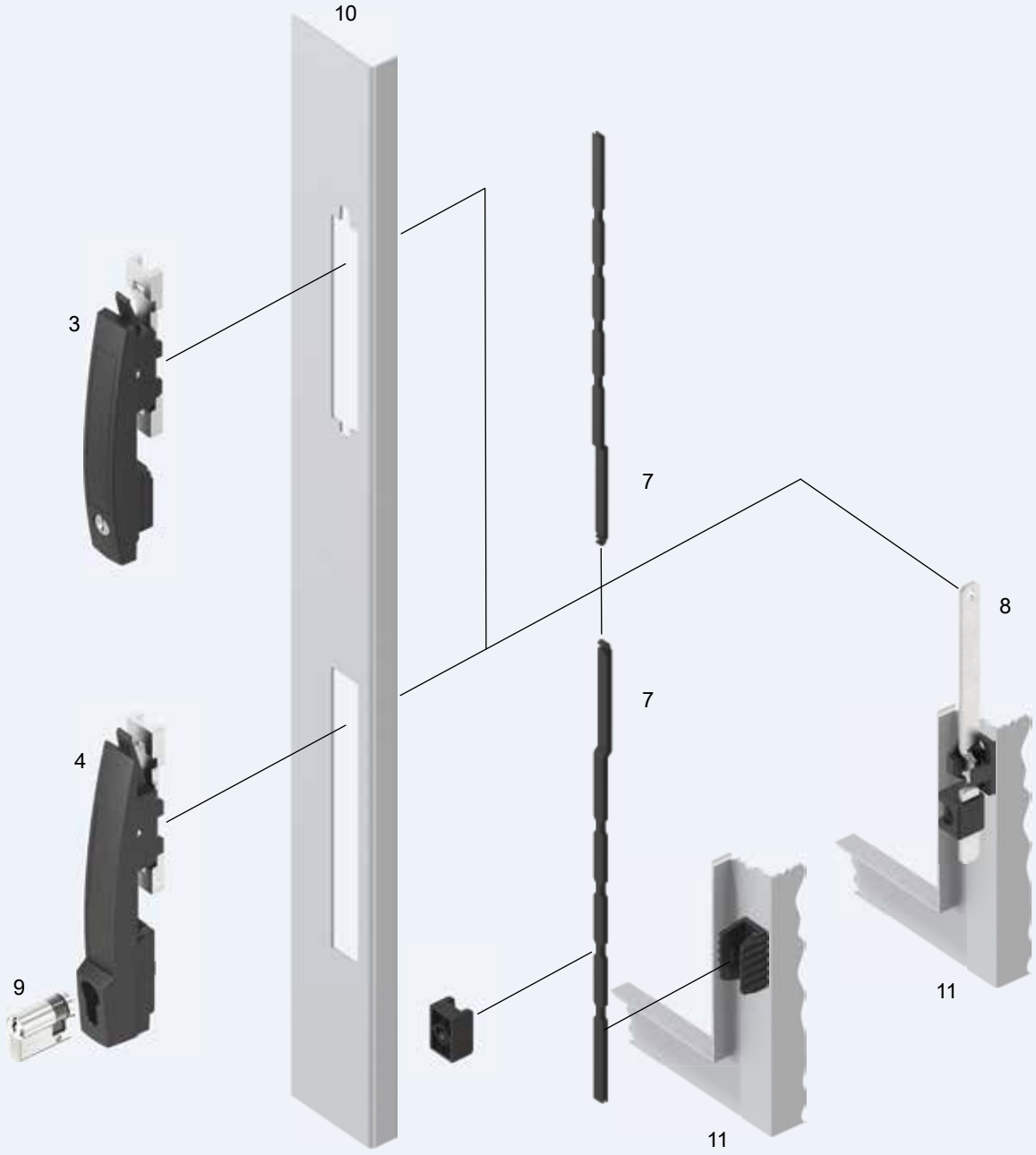
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Items printed in gray without stock

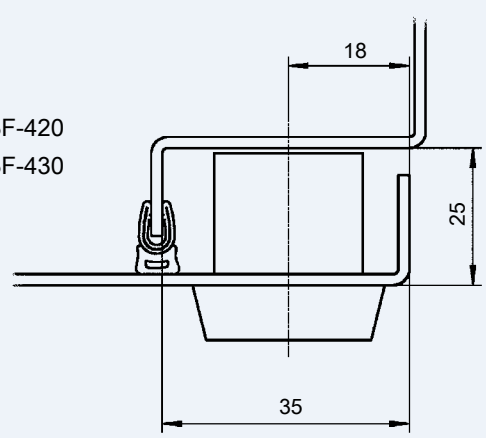
Lifthandle and Escutcheon Program 1190







1	Lifthandle	3F-120
2	Escutcheon	3F-220
3	Lifthandle	3F-320, 3F-420
4	Lifthandle	3F-330, 3F-430
5	Rod	
6	Cam	
7	Rod	
8	Rod	
9	Profile half cylinder	
10	Door	
11	Housing / Frame	



3F-100

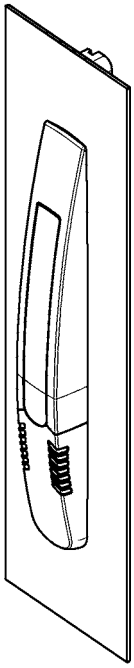
EMKA® Beschlagteile

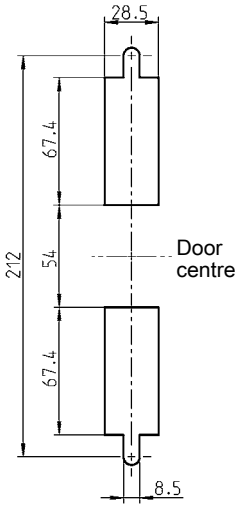
Lifthandle

PROGRAM 1190

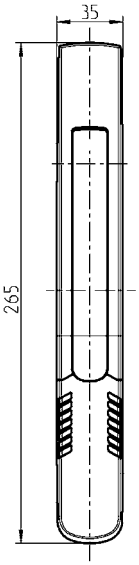
IP40

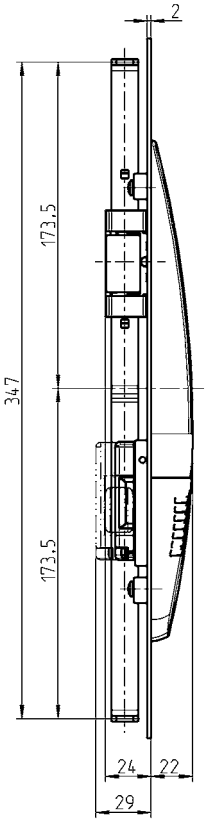


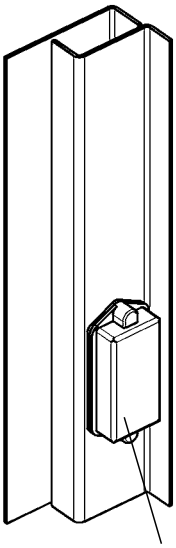




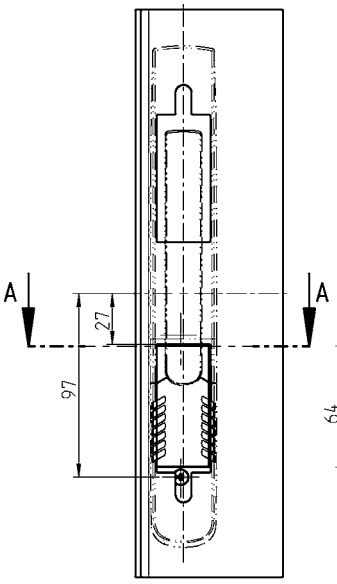
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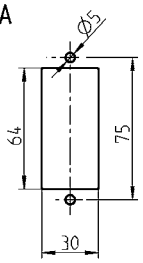




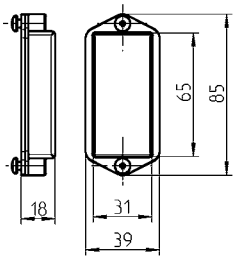


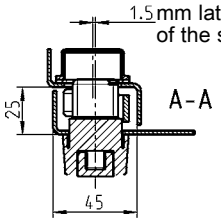
Frame cover applicable outside the sealing





Cut out





Note:
Frame cover only necessary for locking set from catalogue page 3XA-120

Rod movement is unidirectional

Stroke 18 mm

Further parts see page

– Locking set	3XA-120 3XA-240
– Rod	
outside	3ZA-120 3ZA-320

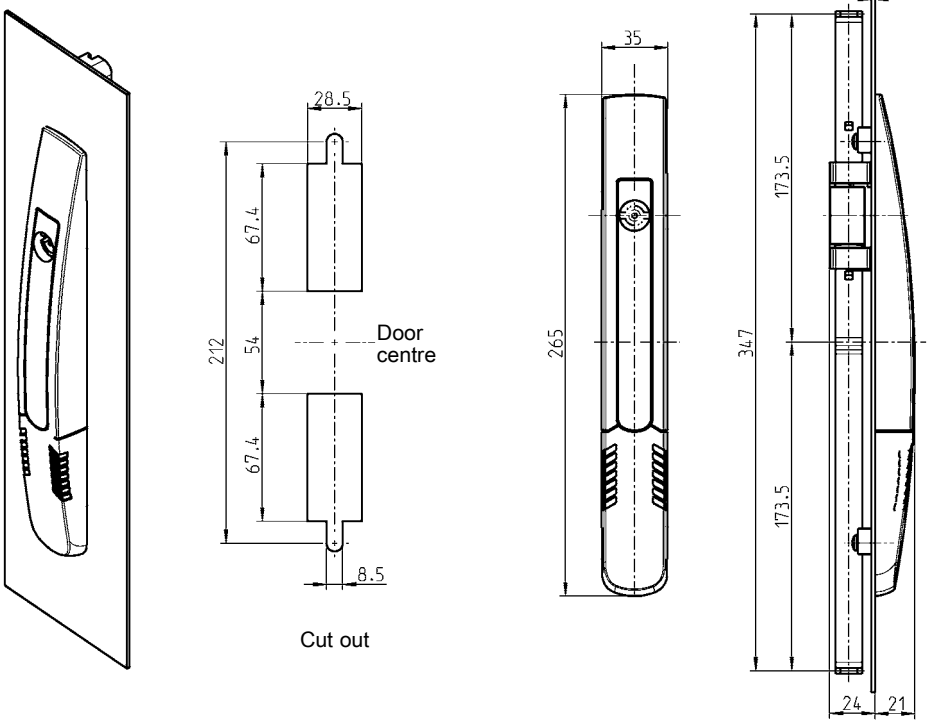
Lifthandle polyamide GF black, flat rod m.s. zinc-plated, push button polyamide black, fixing material m.s. zinc-plated	
	1190-U1
Frame cover polyamide GF black, screws m.s. zinc-plated, for LH and RH application, with seal	
	2100-U31

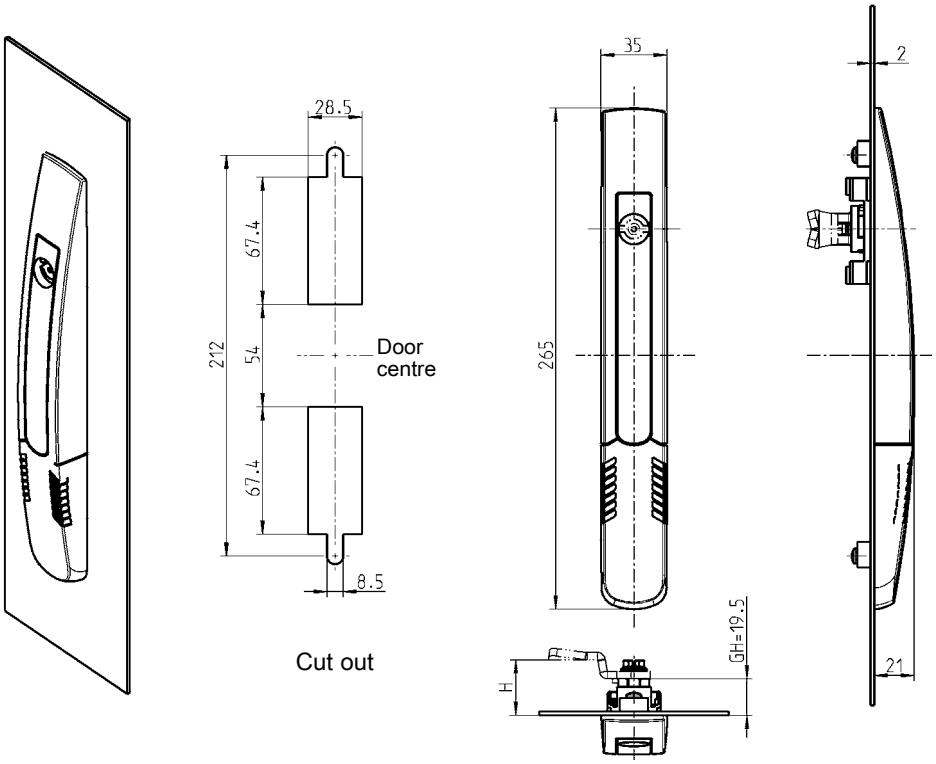
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Items printed in gray without stock

Escutcheon

PROGRAM 1190







IP40



Rod movement is unidirectional

Stroke 23.5 mm

Further parts see page

– Rod

outside	3ZA-120 3ZA-320
– Insert	1B-140
– Cam (GH = 18)	1C-120

Note:
When using the adapter for cam, the H-dimension increases by 1.5 mm

Escutcheon polyamide GF black, fixing material m.s. zinc-plated	
	1190-U3
Rod control polyamide GF black, rods m.s. zinc-plated	
	1190-U4
Adapter for cam m.s zinc die, screw m.s. zinc-plated	
	1190-U5

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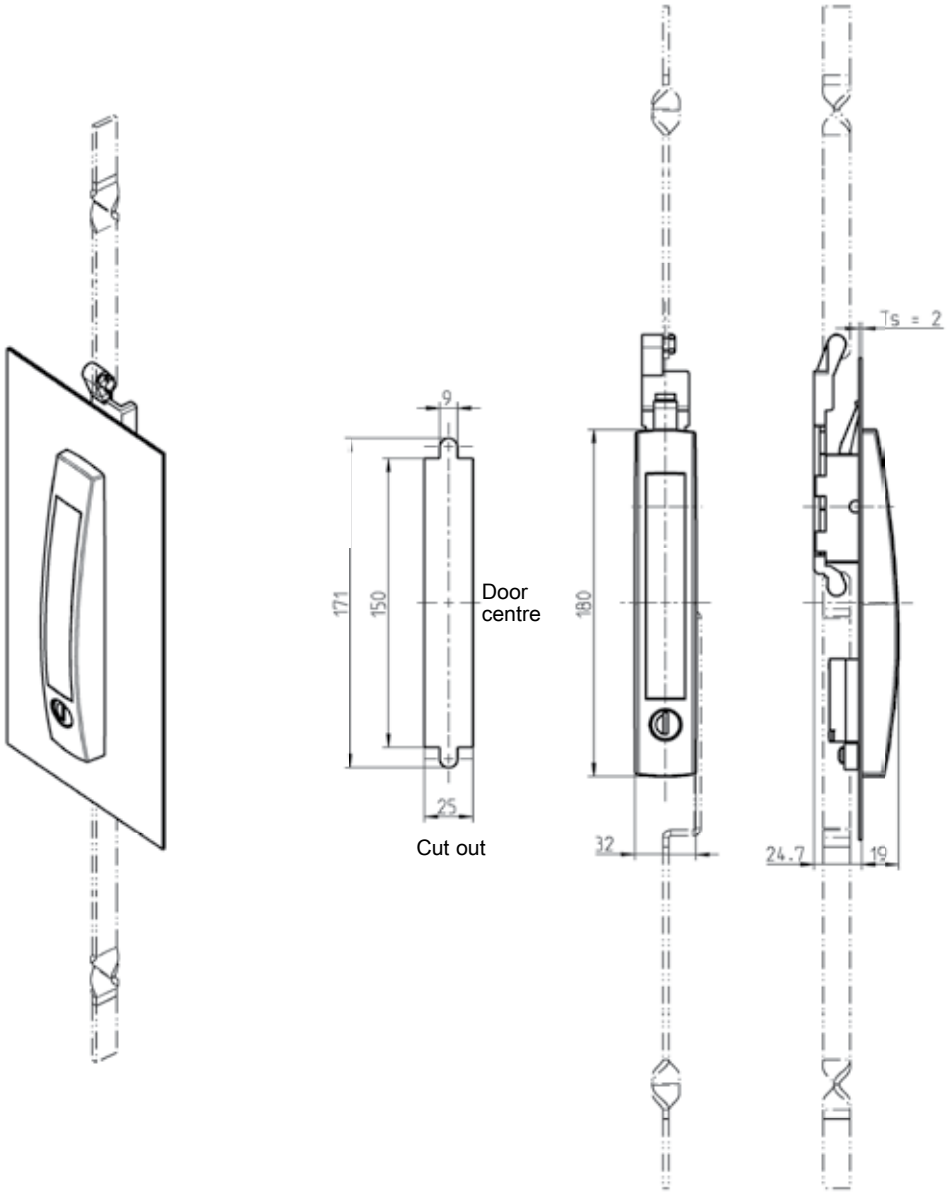
Items printed in gray without stock

EMKA® Beschlagteile

Lifthandle lock

PROGRAM 1190





Lifthandle polyamide GF black, rod control zinc die, screw m.s. zinc-plated, round cylinder with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1190-U206
keyed different	1190-U206-V
Insert zinc die chrome-plated	
Square 6	1190-U209
Square 7	1190-U210
Square 8	1190-U211
Triangular 6.5 CNOMO	1190-U231
Triangular 7	1190-U212
Triangular 8	1190-U213
Double bit 3	1190-U214
Double bit 5	1190-U215
Daimler Benz	1190-U216
Slot 2x4	1190-U217
Hexagon female SW 8 with pin	1190-U218
Hexagon male SW 11	1190-U219

Rod movement is unidirectional

Stroke 18 mm

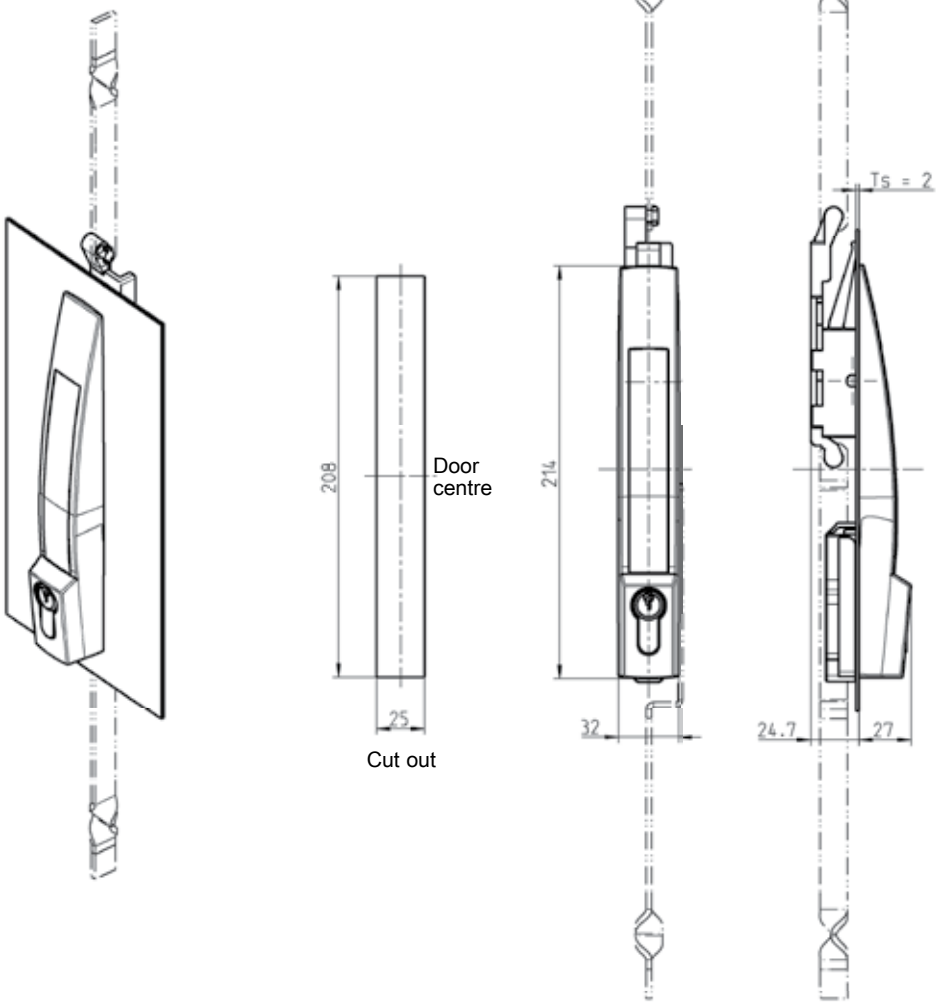
Further parts see page
– Rod
outside 3ZA-560

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Items printed in gray without stock

Lifthandle lock

PROGRAM 1190





Note:
Profile half cylinder 40 mm (A = 30 mm), set locking cam at 11 o'clock.

Rod movement is unidirectional

Stroke 18 mm

Further parts see page
– Rod
outside 3ZA-560
– Profile half cylinder 3XB-320

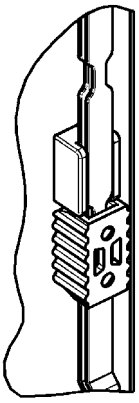
Lifthandle polyamide GF black,
rod control zinc die, screw m.s. zinc-plated

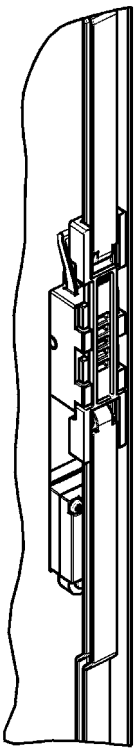
1190-U306

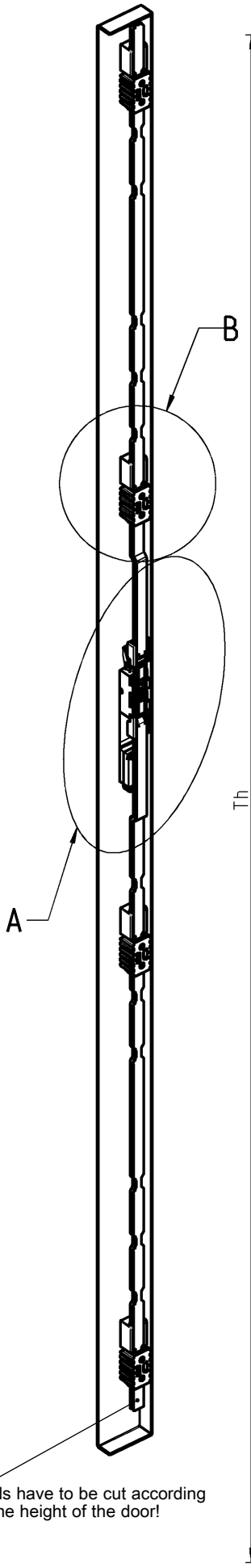
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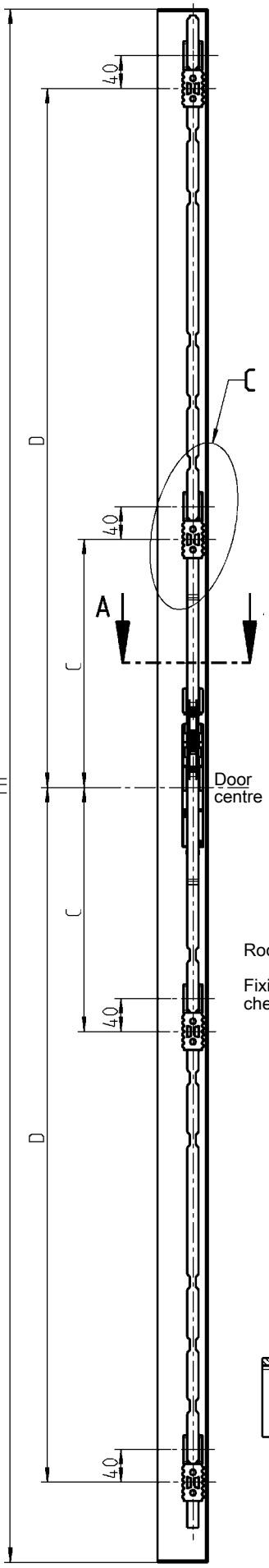
Complete lifthandle locking system

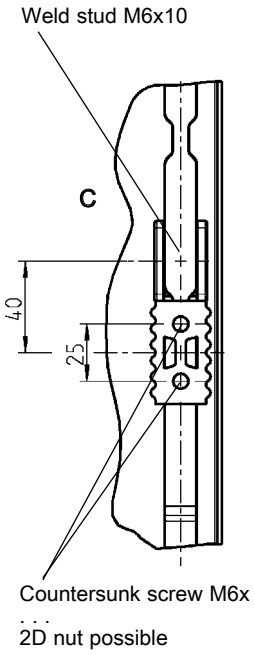
PROGRAM 1190







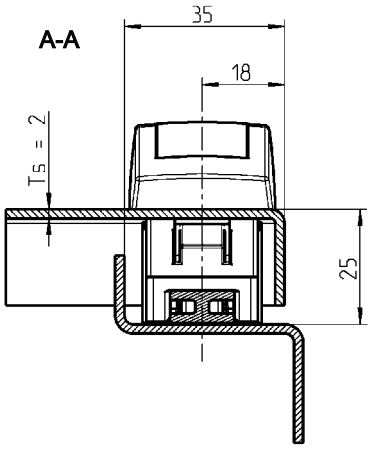






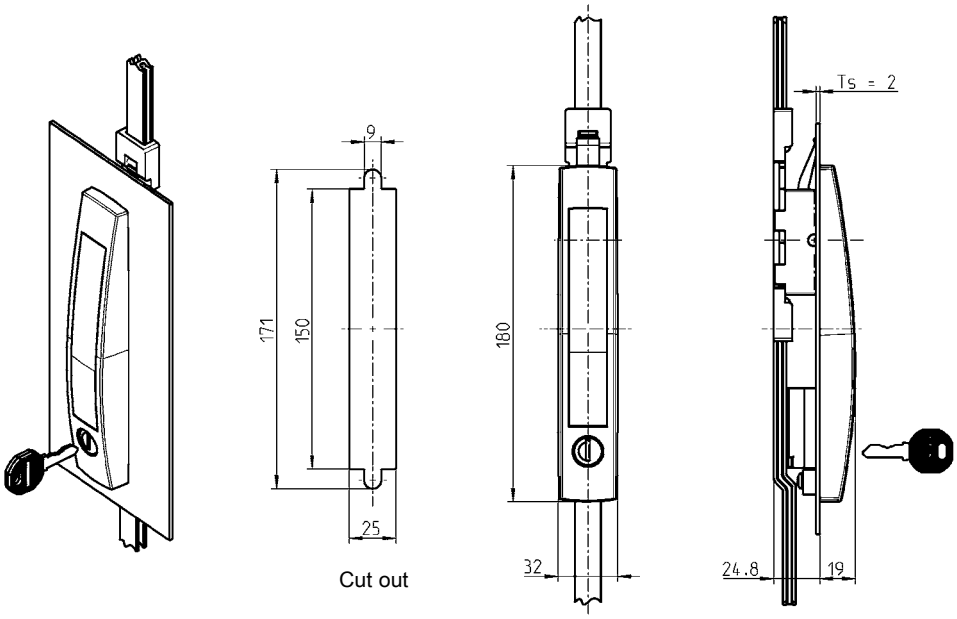
Rod movement is unidirectional

Fixing material for the rod guide and catches are not included in scope of delivery





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Lifthandle polyamide GF black, rod control zinc die, 2 rods polyamide GF black, number of choice clip-in rod guides plastic black for weld stud M6x10, number of choice catches polyamide GF black for countersunk screw M6, screw m.s. zinc-plated, round cylinder with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black

Quantity rod guides and catches	2	4
keyed EK 333	1190-U7	1190-U6
keyed different	1190-U7-V	1190-U6-V
Insert zinc die chrome-plated		
Square 6	1190-U20	1190-U9
Square 7	1190-U21	1190-U10
Square 8	1190-U22	1190-U11
Triangular 6.5 CNOMO	1190-U32	1190-U31
Triangular 7	1190-U23	1190-U12
Triangular 8	1190-U24	1190-U13
Double bit 3	1190-U25	1190-U14
Double bit 5	1190-U26	1190-U15
Daimler Benz	1190-U27	1190-U16
Slot 2x4	1190-U28	1190-U17
Hexagon female SW 8 with pin	1190-U29	1190-U18
Hexagon male SW 11	1190-U30	1190-U19
Door height Th	**Dim. C**	**Dim. D**
800 - 1200	-	300
1200 - 1600	-	450
1600 - 1900	300	700
1900 - 2200	300	850

Stroke 18 mm

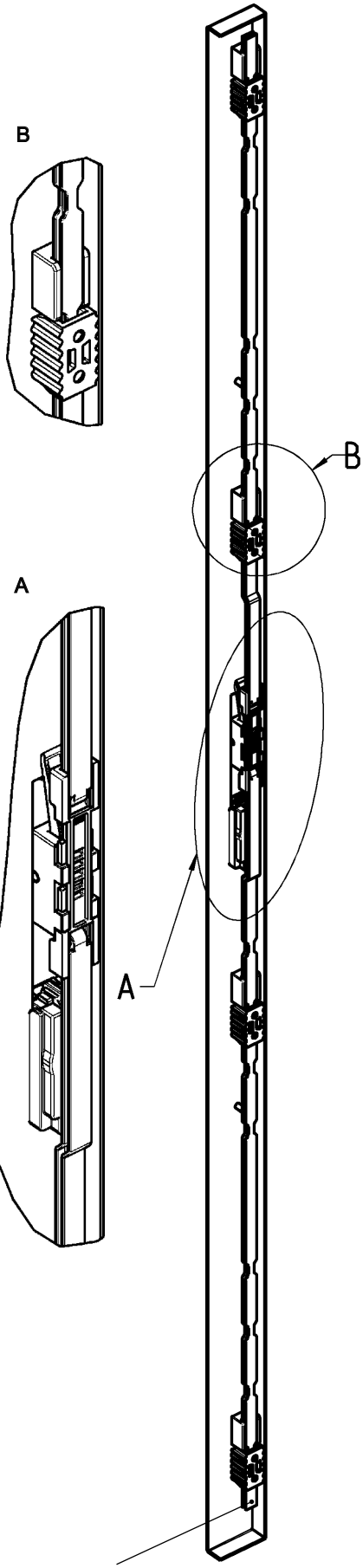
Further parts see page
Assembly instruction 3F-440

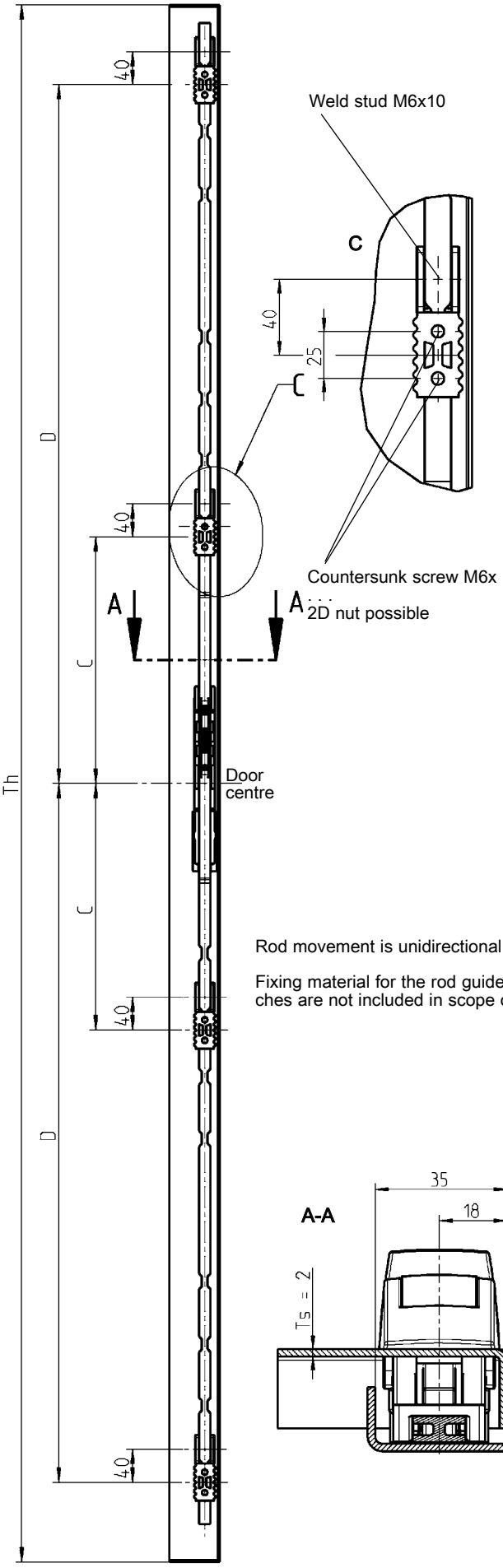
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Items printed in gray without stock

Complete lifthandle locking system

PROGRAM 1190

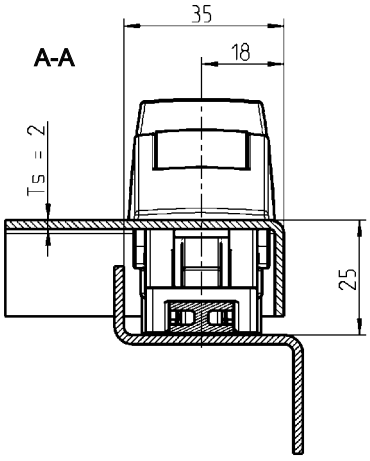






Rod movement is unidirectional

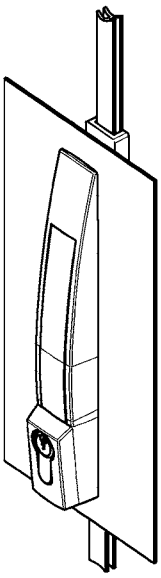
Fixing material for the rod guide and catches are not included in scope of delivery

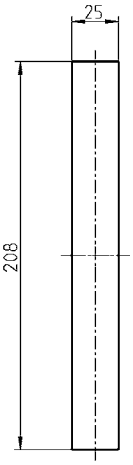




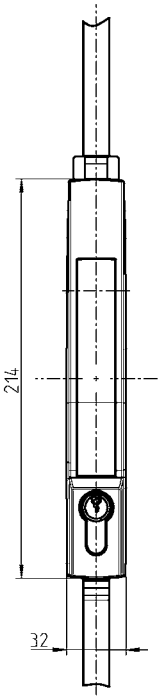
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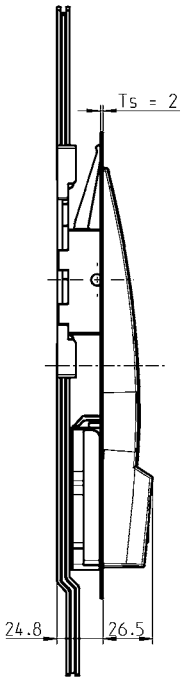






Cut out





Note:
Profile half cylinder 40 mm (A = 30 mm), set locking cam at 11 o'clock.



Stroke 18 mm

Further parts see page
– Assembly instruction 3F-440
Profile half cylinder 3XB-320

Lifthandle polyamide GF black, rod control zinc die, 2 rods polyamide GF black, number of choice clip-in rod guides plastic black for weld stud M6x10, number of choice catches polyamide GF black for countersunk screw M6, screw m.s. zinc-plated

Quantity rod guides and catches	2	4
	1190-U107	1190-U106
Door height Th	**Dim. C**	**Dim. D**
800 - 1200	-	300
1200 - 1600	-	450
1600 - 1900	300	700
1900 - 2200	300	850

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Items printed in gray without stock

EMKA Beschlagteile

® Installation instructions: Lifthandle locking systems

PROGRAM 1190









– Insert lifthandle through cut out

– Mount plastic washer and screw

– Slide the rod guide onto the rods

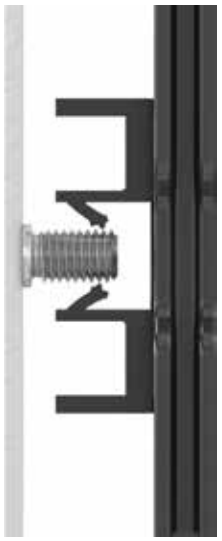
– Hook in the rods



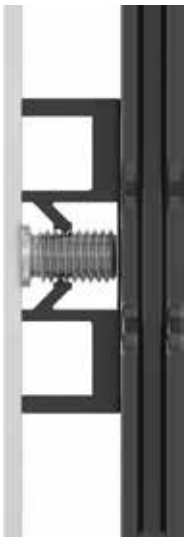
Rod guide with rod pictured transparent

Pull-out force: $F_{min.}$ = 350 N
Application force: Typical value F ≈ 135 N

These values refer to threads with surface raw or zinc-plated and grease-free.



Mounting the rod guide on the welding studs

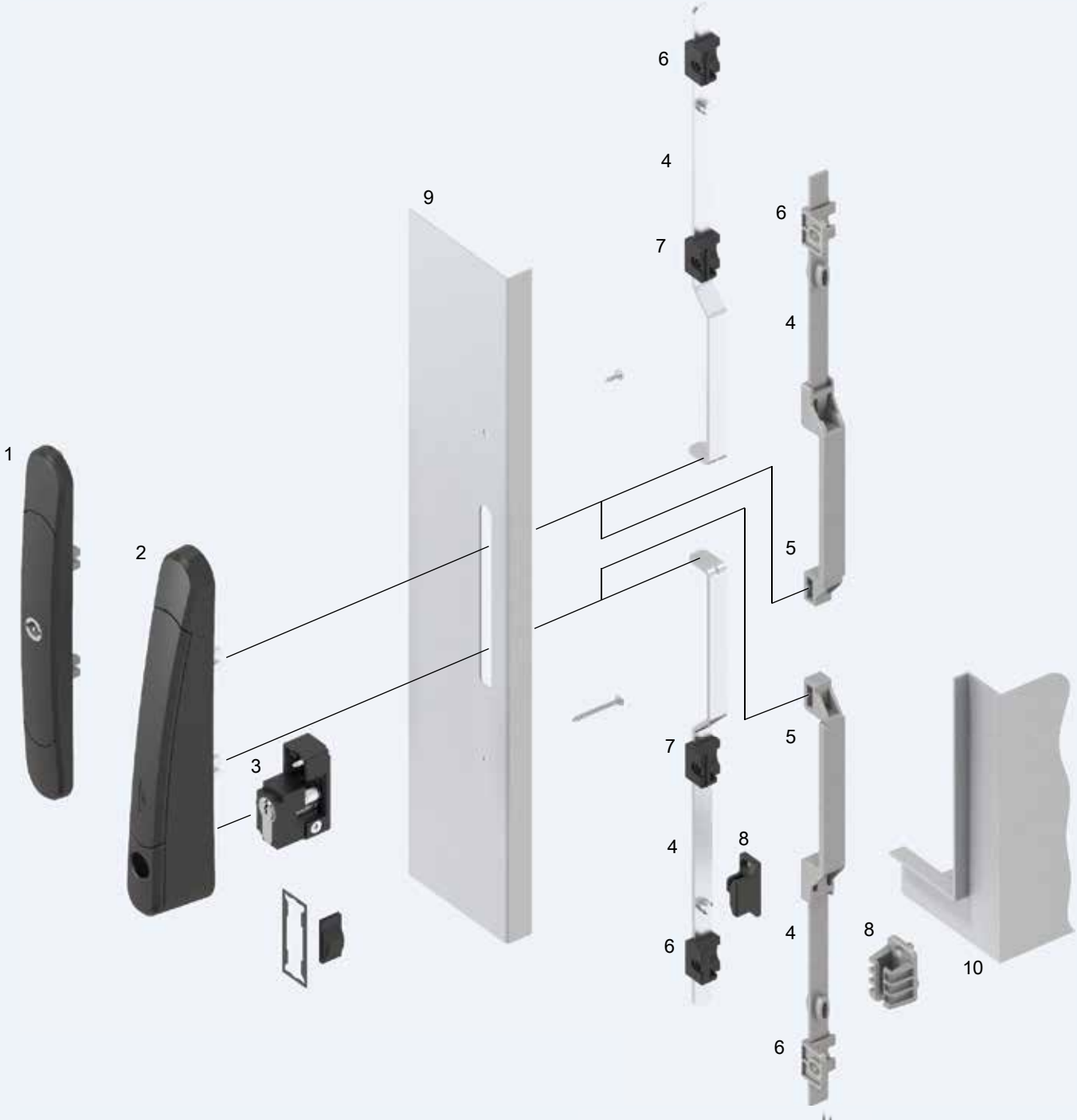


Rod guide ready mounted

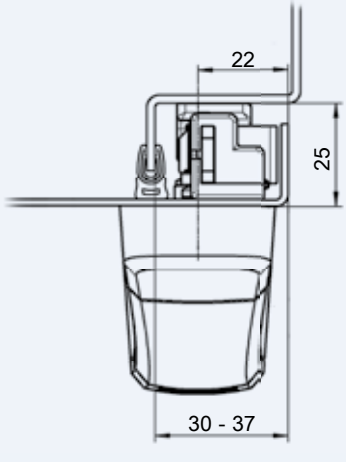
Further parts see page
– Article description 3F-420
3F-430

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Escutcheon and Lifthandle for small bending area Program 1390



1	Escutcheon	3FA-120; 3FA-130
2	Lifthandle	3FA-140; 3FA-150
3	Locking set	
4	Rod (outside the sealing)	
5	Rod connector	
6	Rod guide	
7	Rod guide (necessary up to door height 1600)	
8	Catch	
9	Door	
10	Housing / Frame	

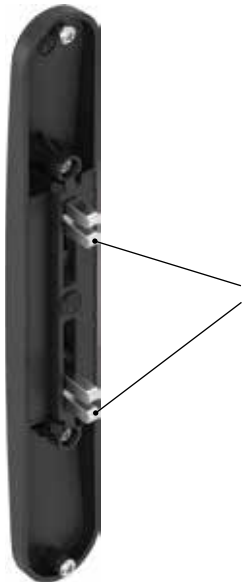


3FA-100

Escutcheon for bending area, variable

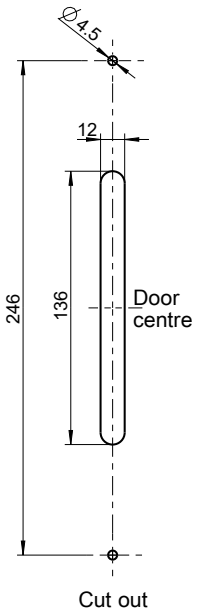
PROGRAM 1390



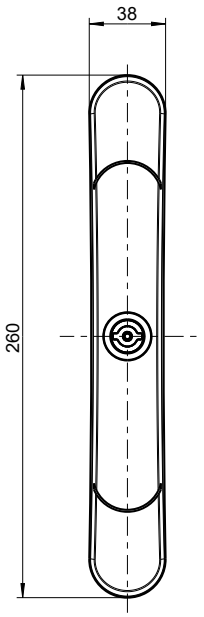


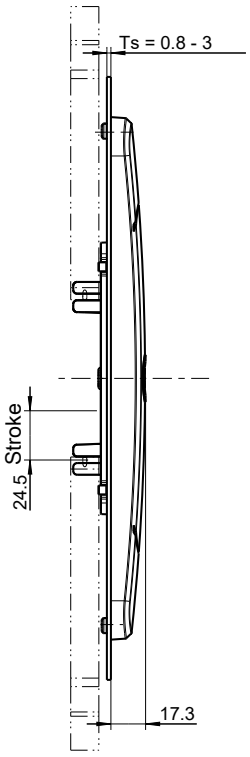
Product benefits

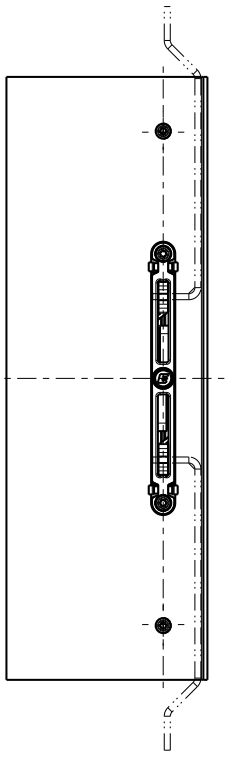
- Bi-directional escutcheon
- Variable positioning of the rods matching the hinge fixing
- Small cut out due to outside machanism
- Innovative, new and low-priced technology
- Attractive design
- Allows small bending area 33 x 25 mm or 37 x 25 mm for more usable clearence
- Patented



Cut out

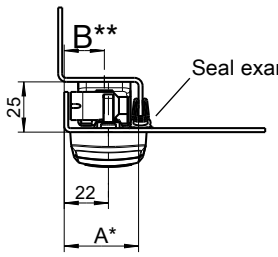






* The values in the table for dimension A with seal refer to the seal 1011-10. With other seals, the values for dimension A differ.

** Dimension B should have the same value as the fixing dimension of the hinge bracket if the door is to be right / left and reversible.



Locking type (see right)	Dimension A	
	without seal	with seal
1	30	33
2	30	33
3	33	37

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Locking types



Rod with cut out



Rod with single roller



Rod with double roller



Escutcheon polyamide GF black; insert zinc die chrome-plated; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Square 6	1390-U33
Double bit 3	1390-U38
Double bit 5	1390-U39

Escutcheon polyamide GF silver grey metallic; insert zinc die raw; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Square 6	on request
Double bit 3	1390-U38-CX
Double bit 5	on request

Rod movement is bi-directional

Note: Dimension B depending on the hinge to be used

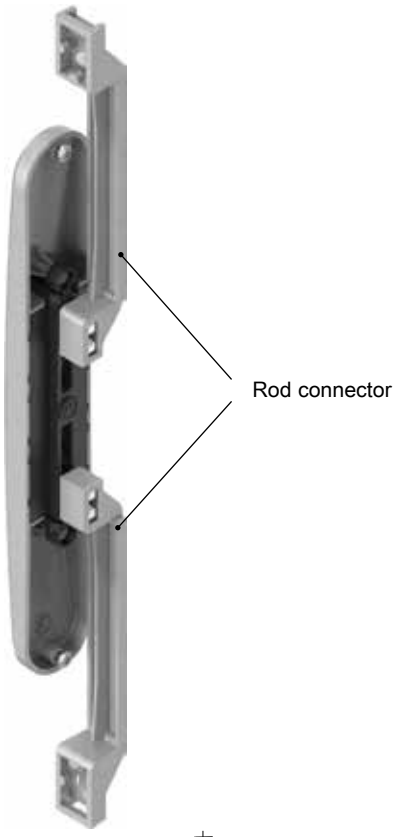
Further parts see page
–Rod 3ZA-610

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Escutcheon for smaller bending area

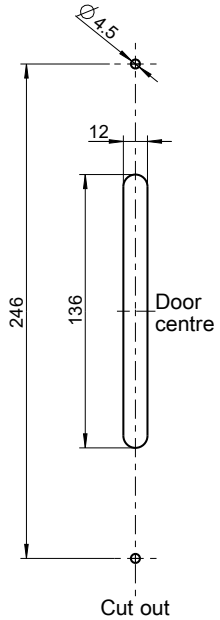
PROGRAM 1390

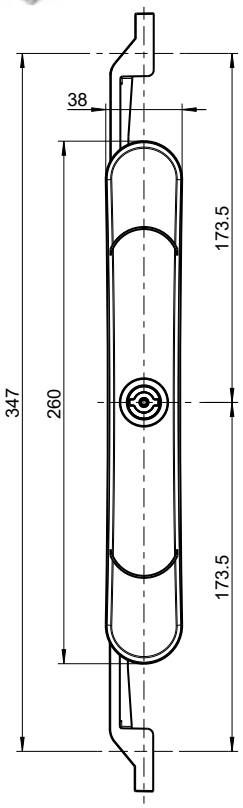


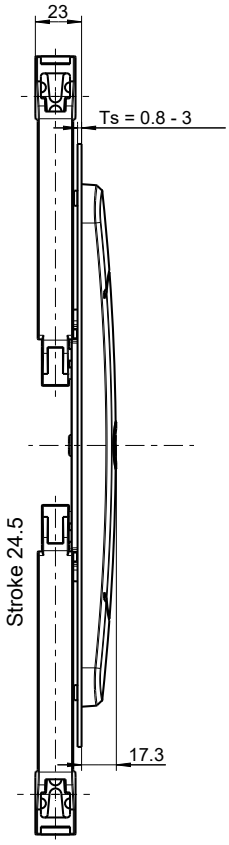


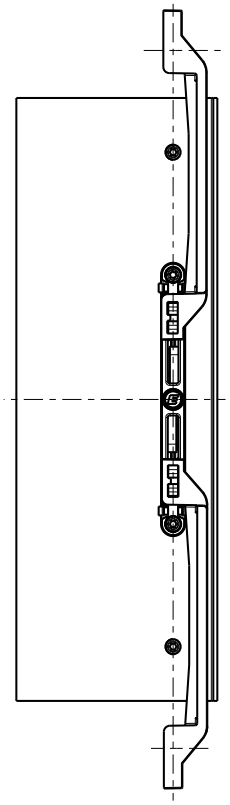
Product benefits

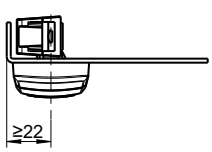
- Bi-directional escutcheon
- All common rods can be used with the rod connector
- Small cut out due to outside machanism
- Innovative, new and low-priced technology
- Attractive design
- Patented







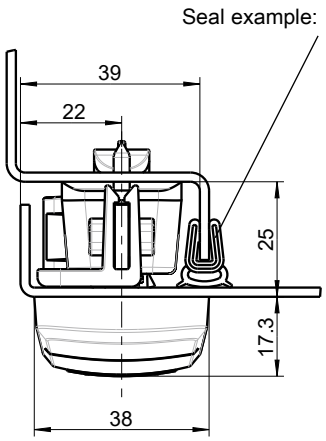




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Latch example





Escutcheon polyamide GF black; insert zinc die chrome-plated; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Square 6	1390-U33
Double bit 3	1390-U38
Double bit 5	1390-U39
Rod connector polyamide GF black	
Necessary for rods from catalogue page 3ZA-120 to 3ZA-340	on request

Escutcheon polyamide GF silver grey metallic; insert zinc die raw; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Square 6	on request
Double bit 3	1390-U38-CX
Double bit 5	on request
Rod connector polyamide GF silver metallic	
Necessary for rods from catalogue page 3ZA-120 to 3ZA-340	1121-168-CX

Rod movement is bi-directional

Note:
Please order 2 rod connectors per escutcheon

Further parts see page
– Rod from 3ZA-120 to 3ZA-340

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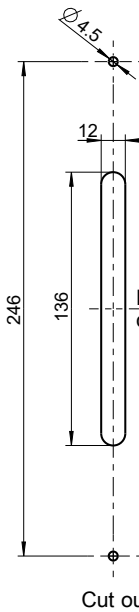
Lifthandle for small bending area, variable

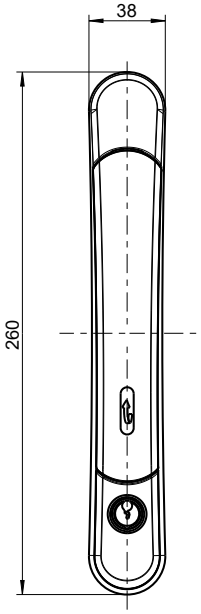
PROGRAM 1390

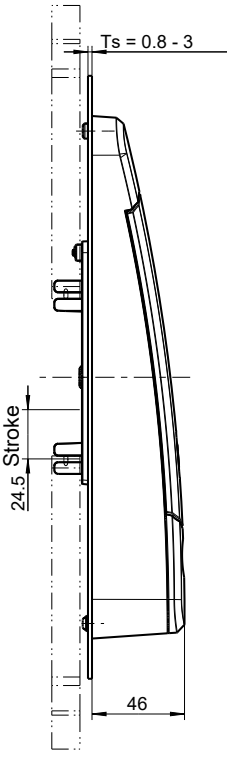


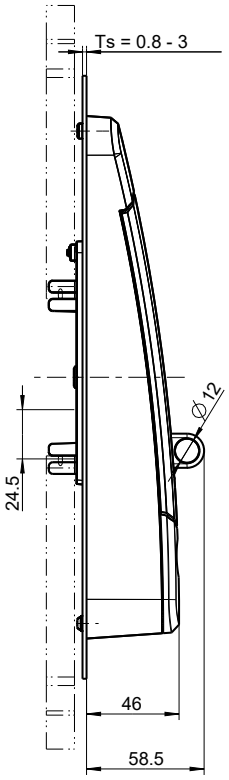
Product benefits

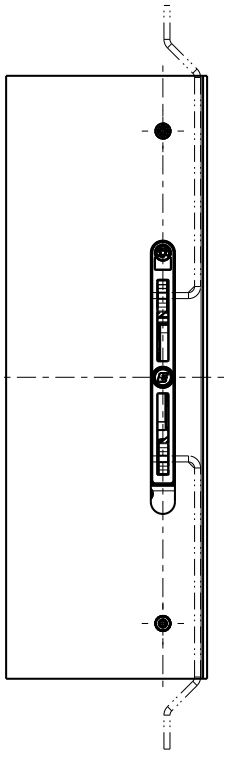
- Bi-directional lifthandle
- Variable positioning of the rods matching the hinge fixing
- Cmall cut out due to outside handle mechanism
- Innovative, new and low-priced technology
- Attractive design
- Allows small bending area 33 x 25 mm or 37 x 25 mm for more usable clearence
- Patented

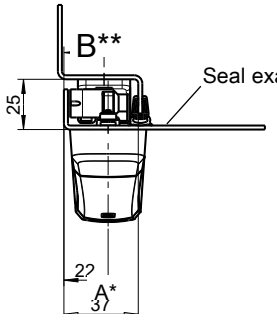












Seal example: 1011-10

* The values in the table for dimension A with seal refer to the seal 1011-10. With other seals, the values for dimension A differ.

** Dimension B should have the same value as the fixing dimension of the hinge bracket if the door is to be right / left and reversible.

Locking type (see right)	Dimension A	
	without seal	with seal
1	30	33
2	30	33
3	33	37

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Locking types



Rod with cut out

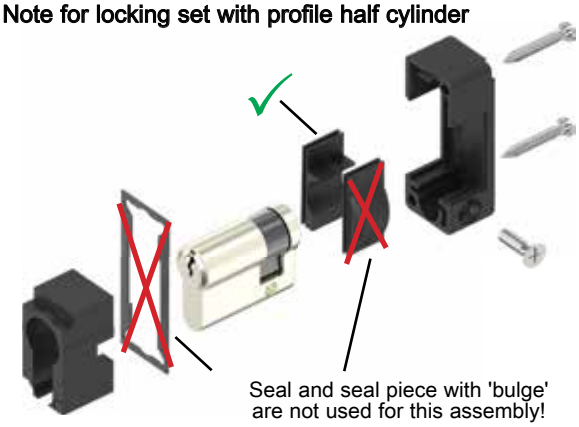


Rod with single roller



Rod with double roller

Note for locking set with profile half cylinder





Lifthandle polyamide GF black; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Ⓐ for locking sets with profile half cylinder, round cylinder and insert Ⓑ for locking sets with push button, KABA cylinder and ASSA cylinder	
Ⓐ Cover with round hole	1390-U1
Ⓐ Cover with round hole and for padlock	1390-U2
Ⓑ Cover with oval hole	1390-U3
Ⓑ Cover with oval hole and for padlock	1390-U4

Lifthandle polyamide GF silver grey metallic; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Ⓐ for locking sets with profile half cylinder, round cylinder and insert Ⓑ for locking sets with push button, KABA cylinder and ASSA cylinder	
Ⓐ Cover with round hole	1390-U1-CX
Ⓐ Cover with round hole and for padlock	on request
Ⓑ Cover with oval hole	on request
Ⓑ Cover with oval hole and for padlock	on request

Rod movement is bi-directional

Note: Dimension B depending on the hinge to be used

Further parts see page

– Locking set	3XA-120 3XA-140
– Rod	3ZA-610

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Lifthandle for smaller bending area

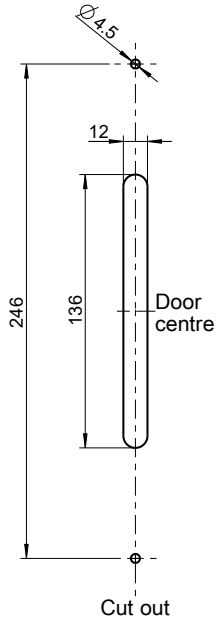
PROGRAM 1390

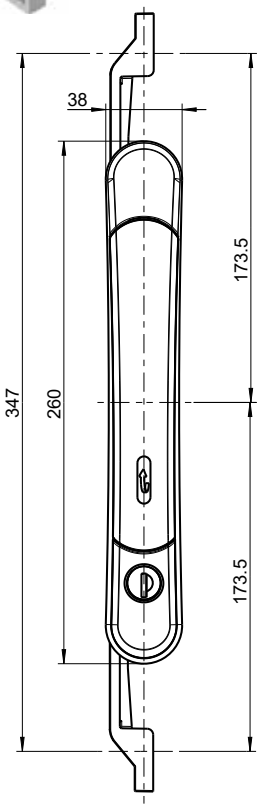


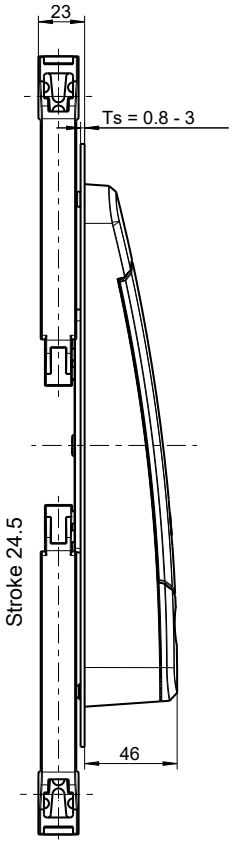


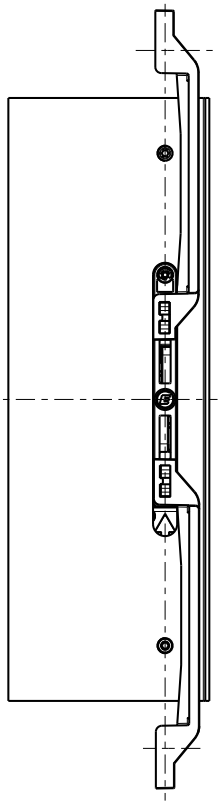
Product benefits

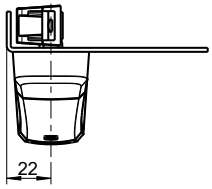
- Bi-directional lifthandle
- All common rods can be used with the rod connector
- Small cut out due to outside machanism
- Innovative, new and low-priced technology
- Attractive design
- Patented









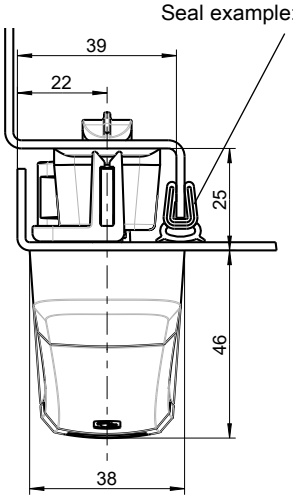


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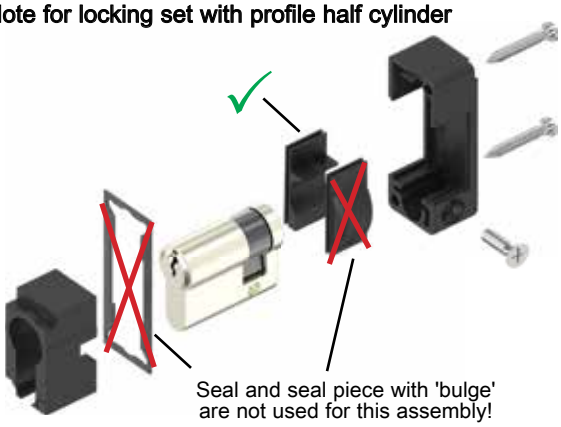


Latch example

Seal example: 1011-10



Note for locking set with profile half cylinder





Lifthandle polyamide GF black; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Ⓐ for locking sets with profile half cylinder, round cylinder and insert Ⓑ for locking sets with push button, KABA cylinder and ASSA cylinder	
Ⓐ Cover with round hole	1390-U1
Ⓐ Cover with round hole and for padlock	1390-U2
Ⓑ Cover with oval hole	1390-U3
Ⓑ Cover with oval hole and for padlock	1390-U4
Rod connector polyamide GF black	
Necessary for rods from catalogue page 3ZA-120 to 3ZA-340	on request

Lifthandle polyamide GF silver grey metallic; rack zinc die raw; fixing material m.s. zinc-plated; with spring	
Ⓐ for locking sets with profile half cylinder, round cylinder and insert Ⓑ for locking sets with push button, KABA cylinder and ASSA cylinder	
Ⓐ Cover with round hole	1390-U1-CX
Ⓐ Cover with round hole and for padlock	on request
Ⓑ Cover with oval hole	on request
Ⓑ Cover with oval hole and for padlock	on request
Rod connector polyamide GF silver metallic	
Necessary for rods from catalogue page 3ZA-120 to 3ZA-340	1121-168-CX

Rod movement is bi-directional

Note:
Please order 2 rod connectors per lifthandle

Further parts see page
– Locking set 3XA-120
3XA-140
– Rod from 3ZA-120
to 3ZA-340

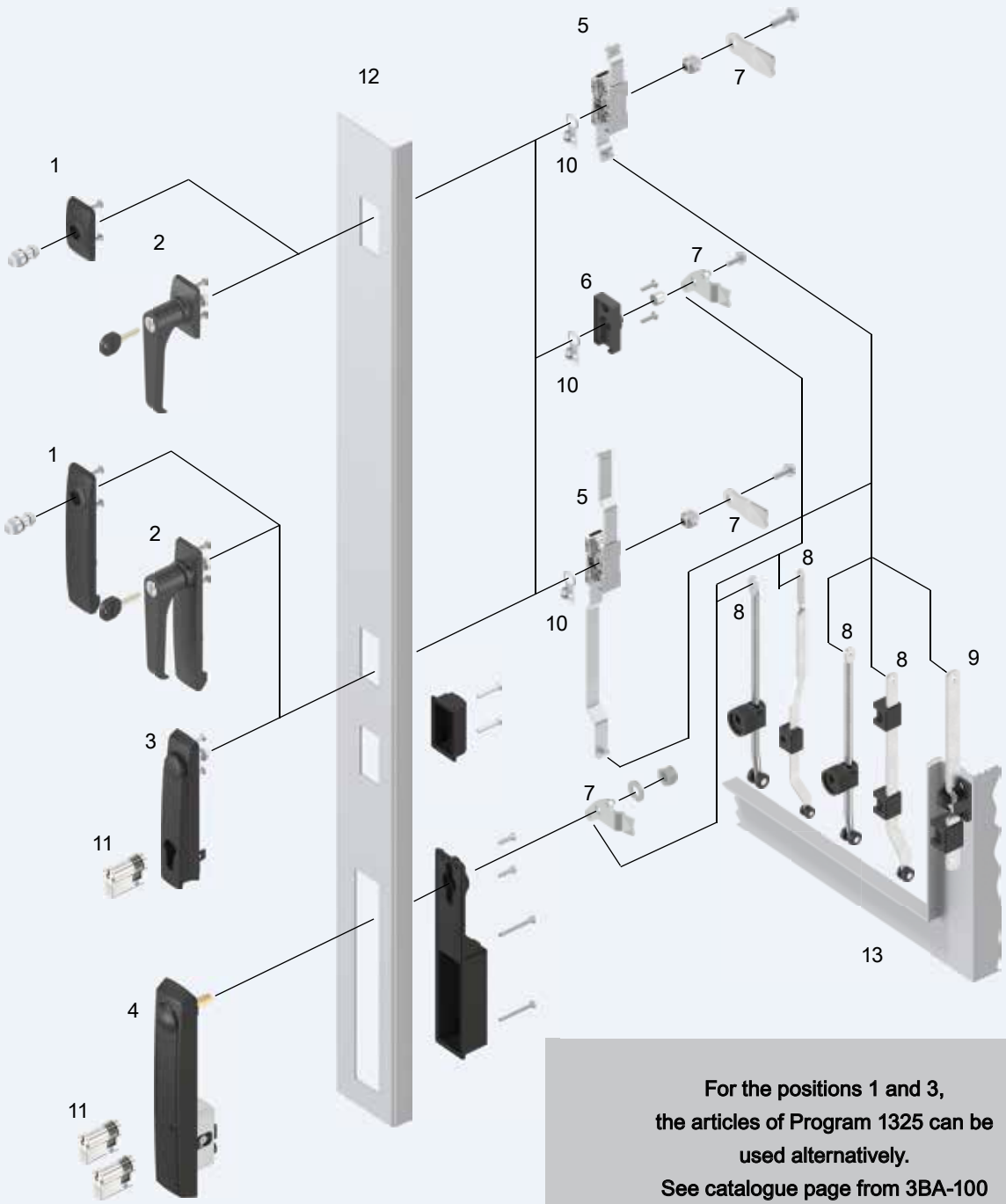
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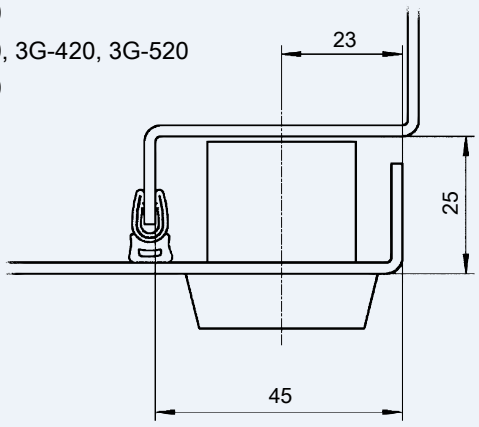
Notes:

Swinghandle and Escutcheon Program 1225



For the positions 1 and 3, the articles of Program 1325 can be used alternatively.
See catalogue page from 3BA-100

1	Escutcheon 1221 with insert	3G-120
2	Escutcheon 1223 with handle	3G-180
3	Swinghandle	3G-220, 3G-420, 3G-520
4	Swinghandle (double cylinder)	3G-320
5	Rod control	
6	Bearing bush	
7	Cam	
8	Rod (inside the sealing)	
9	Rod (outside the sealing)	
10	Grounding device	
11	Profile half cylinder	
12	Door	
13	Housing / Frame	



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Escutcheon 1221 with insert

PROGRAM 1225







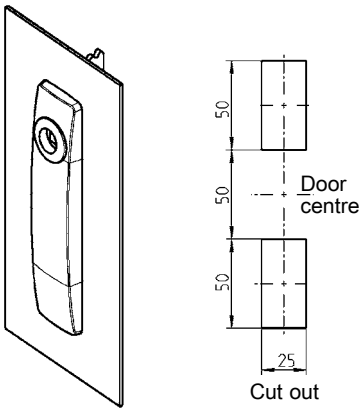


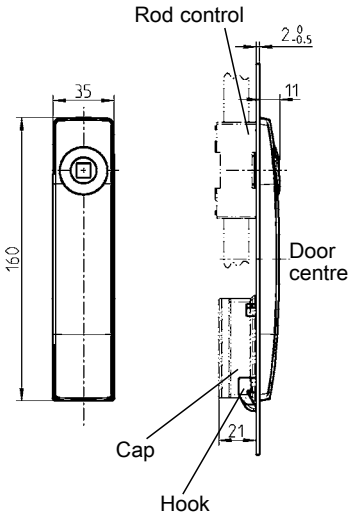
*** version polyamide on request**

Further parts see page

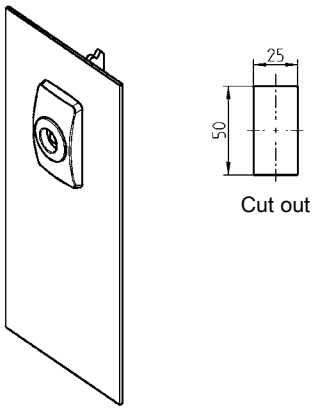
– Key	8B-120
– Rod control for long version	3YA-110
	3YA-120
	3YA-140
(only with hook)	3YA-190
short version	3YA-115
	3YA-160
– Bearing bush	3YB-120

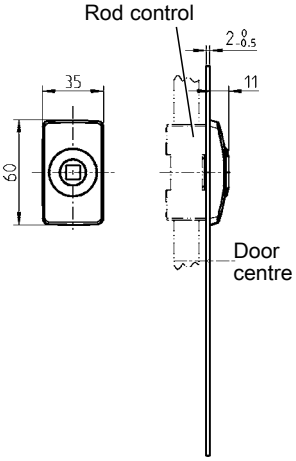
Escutcheon, long





Escutcheon, short

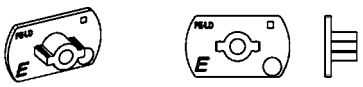




Escutcheon long polyamide GF black, screw m.s. zinc-plated, with seal			Escutcheon short polyamide GF black, screws m.s. zinc pl., with seal IP 65
	Hook IP 40	Screw-on cap IP 65	
for square, triangular Daimler Benz, slot	1221-U19	1221-U133	1221-U22
for double bit	1221-U20	1221-U134	1221-U23
for railway square 9	1221-U19A	1221-U135	1221-U22A

Insert zinc die chrome-plated; fixing material m.s. zinc-plated			
Square 6	1121-U11	Double bit 3*	1121-U16
Square 7	1121-U12	Double bit 5*	1121-U17
Square 8	1121-U13	Square female 8	1121-U167
Triangular 6.5 CNOMO	1121-U169	Slot 2 x 4	1121-U123
Triangular 7	1121-U14	Railway square 9	1121-U72
Triangular 8	1121-U15	Daimler Benz	1121-U18

Accessories



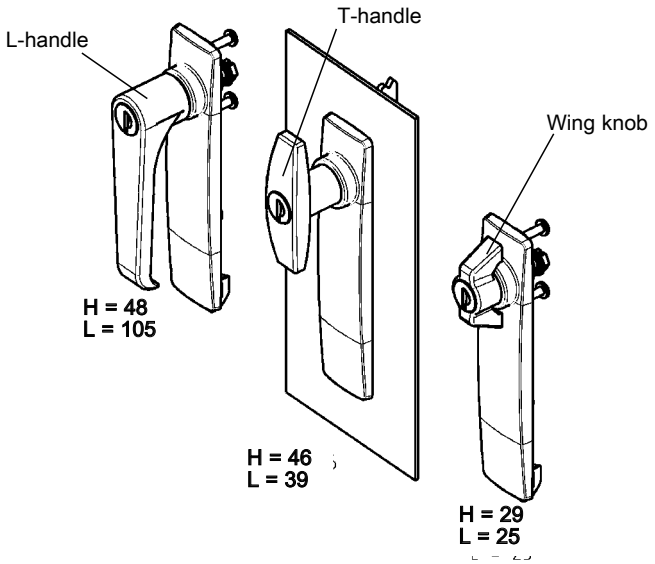
Transport safety device polyamide GF black for insert double bit **1121-32**

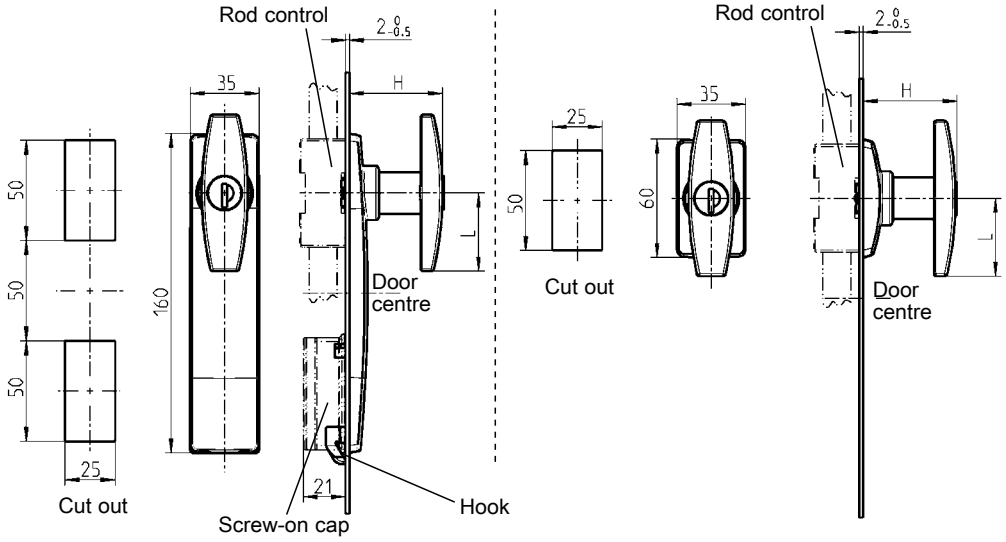
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Items printed in gray without stock

Escutcheon 1223 with handle

PROGRAM 1225





Each round cylinder has one silver steel key with grip polyamide GF black

Escutcheon polyamide GF black, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc-plated, with seal	Escutcheon long		Escutcheon
	Hook IP 40	Screw-on cap IP 65	short IP 65
Wing knob zinc die black powder-coated			
non locking	1223-U1	1223-U25	1223-U4
keyed EK 333	1223-U2	1223-U26	1223-U5
keyed different	1223-U3	1223-U27	1223-U6
T-Handle zinc die black powder-coated			
non locking	1223-U7	1223-U28	1223-U10
keyed EK 333	1223-U8	1223-U29	1223-U11
keyed different	1223-U9	1223-U30	1223-U12
prepared for KABA 1036	1223-U21	–	1223-U22
L-handle zinc die black powder-coated			
non locking	1223-U13	1223-U31	1223-U16
keyed EK 333	1223-U14	1223-U32	1223-U17
keyed different	1223-U15	1223-U33	1223-U18
prepared for KABA 1036	1223-U19	–	1223-U20







Further parts see page

– Key 8B-120
– Spare key 8B-140
– Rod control for long version 3YA-110, 3YA-120, 3YA-140
(only with hook) 3YA-190
short version 3YA-115, 3YA-160
– Bearing bush 3YB-120
– Dust cap for T-handle 1C-340

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Items printed in gray without stock

Swinghandle

PROGRAM 1225

Example:
*(22/24 mm)

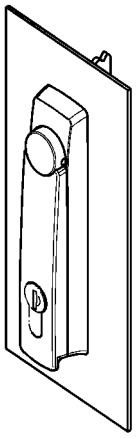
- Dimension with cylinder cover
- Dimension without cylinder cover

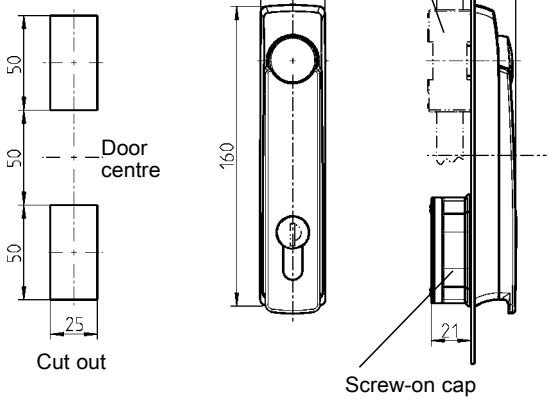
Swinghandle for profile half cylinder polyamide GF black, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal				
	Screw-on cap IP 65		Hook IP 40	
	with	without	with	without
	Cylinder cover		Cylinder cover	
for half cylinder 40 mm *(22/24 mm)	1225-U191	1225-U190	1225-U186	1225-U185
for half cylinder 40 mm *(22/24 mm), sealable	1225-U191-01	-	1225-U186-01	-
for half cylinder 45 mm *(28/30 mm)	1225-U196	1225-U195	1225-U194	1225-U193
with cylinder (Berlin version)	-	-	1225-U276	1225-U275
Swinghandle for profile half cylinder polyamide GF black, handle zinc die black powder-coated, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal				
for half cylinder 40 mm *(22/24 mm)	-	1225-U190-01	-	1225-U185-01
Swinghandle polyamide GF black with EMC shielding for profile half cylinder, shaft zinc die zinc-plated, cap matt chrome-plated. fixing material m.s. zinc-plated, with seal				
for half cylinder 40 mm *(22/24 mm)	1225-U191-E	-	-	-

Swinghandle polyamide GF black, with round cylinder incl. stainless steel cap and dust cap or insert m.s. zinc-plated, shaft zinc die chrome-plated, fixing material m.s. zinc-plated, with seal. Each round cylinder has one silver steel key with grip polyamide GF black				
	Screw-on cap		Hook	
	with	without	with	without
	Cylinder cover		Cylinder cover	
Round cylinder keyed EK 333	1225-U206	1225-U202	on request	1225-U268
Round cylinder keyed different	1225-U207	1225-U203	on request	1225-U269
Square 6 [1]	1225-U242	1225-U210	on request	on request
Square 7 [1] [2]	1225-U243	1225-U211	on request	on request
Square 8 [1] [2]	1225-U244	1225-U212	on request	on request
Square 8 slotted	1225-U245	1225-U213	on request	on request
Triangular 6.5 CNOMO	1225-U246	1225-U214	1225-U201	1225-U200
Triangular 7 [1]	1225-U247	1225-U215	on request	on request
Triangular 8 [1] [2]	1225-U248	1225-U216	on request	on request
Double bit 3	1225-U249	1225-U236	on request	on request
Double bit 5	1225-U250	1225-U239	on request	on request
Hexagon female SW 10	1225-U251	1225-U219	on request	on request
Square female 6	1225-U252	1225-U220	on request	on request
Square female 8	1225-U253	1225-U221	on request	on request
Daimler Benz	1225-U254	1225-U222	on request	on request
Slot 1.2 x 3	on request	on request	on request	on request
Slot 2x4 [1] [2]	1225-U256	1225-U224	on request	on request
Crown type	1225-U257	1225-U225	on request	on request
Eastern Europe Ø 13 half-round	1225-U282	1225-U283	on request	on request
Prepared for padlock and profile cylinder	-	1225-U184	-	on request

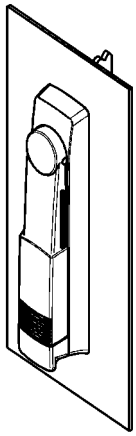
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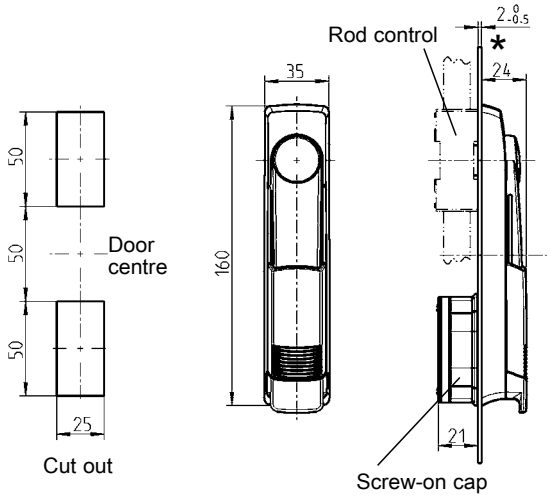
Swinghandle for profile half cylinder



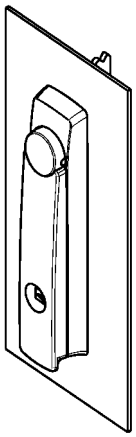


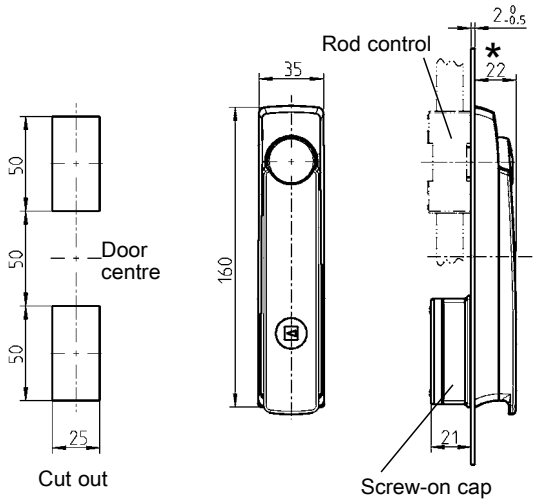
Swinghandle with cover





Swinghandle with round cylinder or insert







Further parts see page

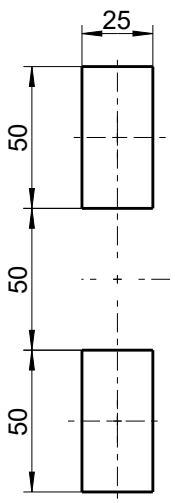
– Key	8B-120
– Rod control	3YA-110
	3YA-120
	3YA-140
(only with hook)	3YA-190
– Bearing bush	3YB-120
– Profile half cylinder	3XB-120

On request:
Insert made of
1) Zinc die black powder-coated
2) Polyamide black
– Cap without foamed seal for small bending area
– further EMC version
– Swinghandle, sealable
– Handle made of zinc die

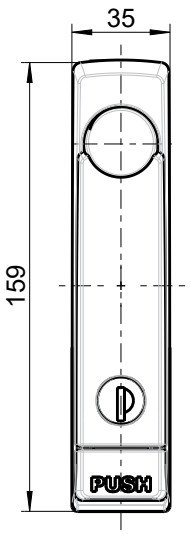
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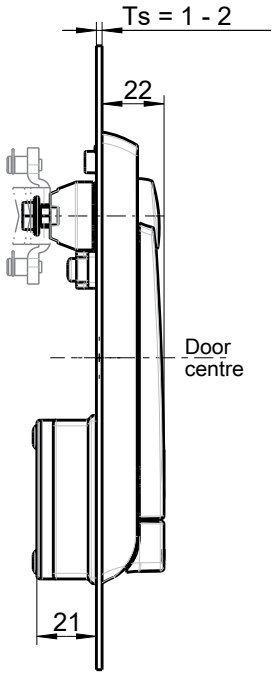
Swinghandle with push button

PROGRAM 1225

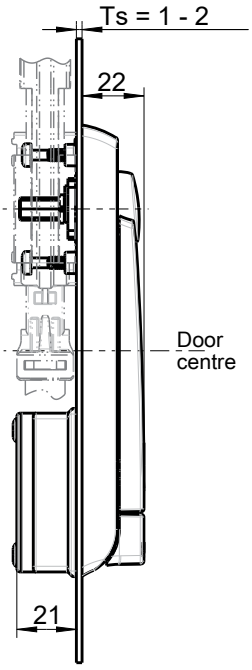


Cut out

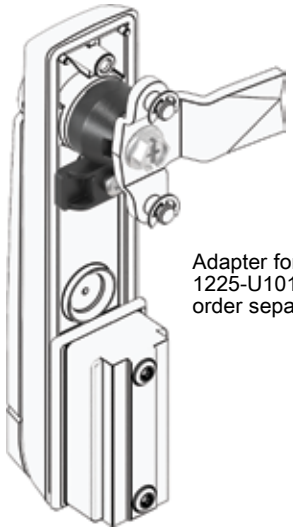




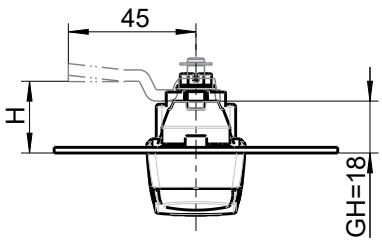
Swinghandle with adapter for cam



Swinghandle with rod control



Adapter for cam
1225-U101
order separately



Sweinghandle with push button zinc die black powder-coated; shaft zinc die zinc-plated; fixing material m.s. zinc-plated; with spring and seal		
		Push to lock
Round cylinder keyed EK 333 Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	1225-U302	on request
Round cylinder keyed different Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	1225-U303	on request
Double bit 3; Zinc die chrome-plated	on request	on request
Double bit 5; Zinc die chrome-plated	1225-U339	on request
Blind (no locking system)	1225-U326	-
Prepared for padlock	on request	-
Adapter for cam PBT GF V0 black; bridge bar polyamide GF V0 black; fixing material m.s. zinc-plated		
		1225-U101

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Further parts see page

– Rod control	3YA-110 3YA-120 3YA-140
– Cam for rod control (3-point latch system)	3YA-840
– Key	8B-120

On request:
Insert made of
1) Zinc die black powder-coated
2) Polyamide black
– Cap without foamed seal for small bending area

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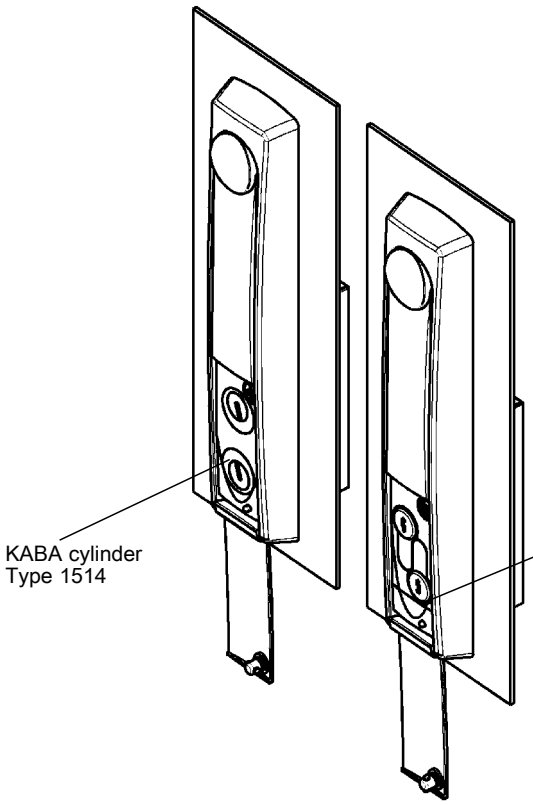
EMKA® Beschlagteile

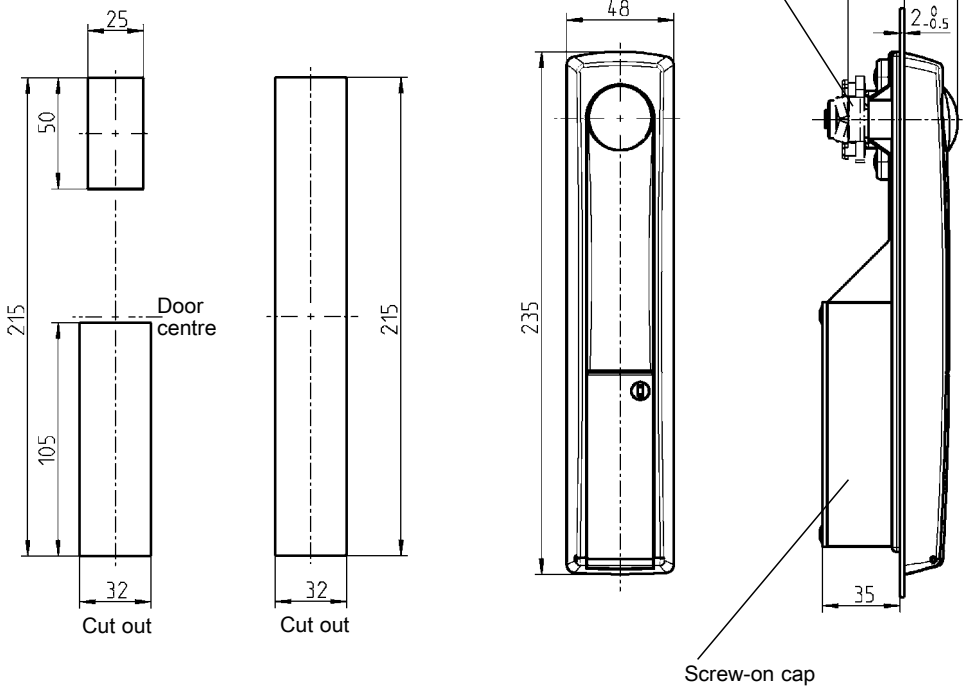
Double cylinder swinghandle

PROGRAM 1225









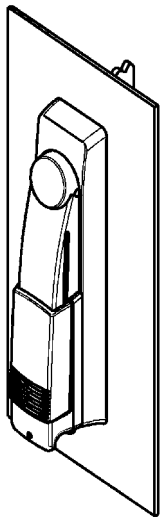
Further parts see page
– Cam 3YC-140
– Profile half cylinder 3XB-220
(only use 1089-U1 or 1089-U2)

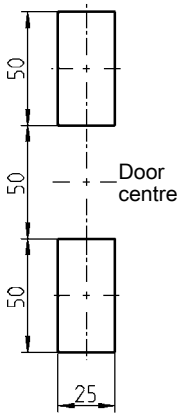
Swinghandle and dish zinc die black powder-coated, shaft brass, fixing material m.s. zinc-plated., with seal	
Double cylinder swinghandle for profile half cylinder	1225-U60
Blind plug for using only one profile half cylinder	1109-09-AA
Double cylinder swinghandle for type KABA 1514	1225-U62

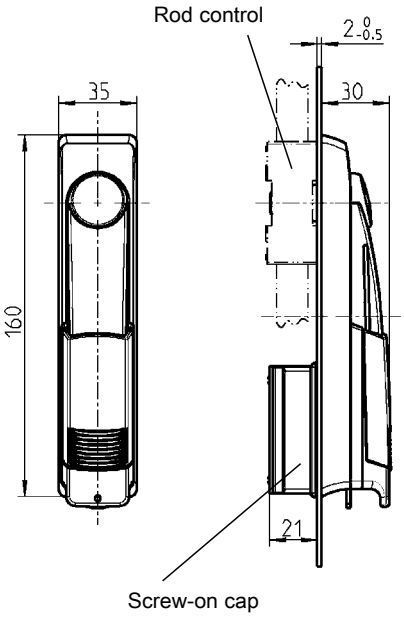
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Swinghandle KABA and ASSA

PROGRAM 1225





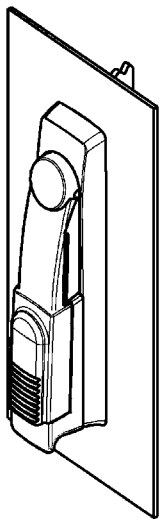


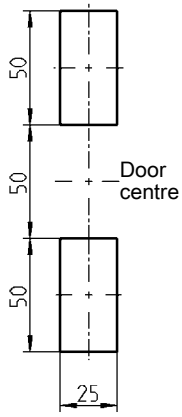
Attention: KABA cylinder provided by customer!

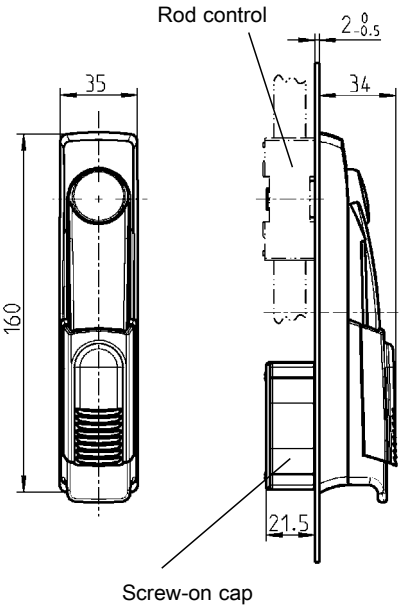


Swinghandle for KABA cylinder polyamide GF black, sealable, fixing material m.s. zinc-plated, with seal

1225-U291







Note: ASSA cylinder provided by customer!



Swinghandle for ASSA cylinder polyamide GF black, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal

1225-U198

Further parts see page

– Rod control	3YA-110
	3YA-120
	3YA-140
– Bearing bush	3YB-120

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Items printed in gray without stock

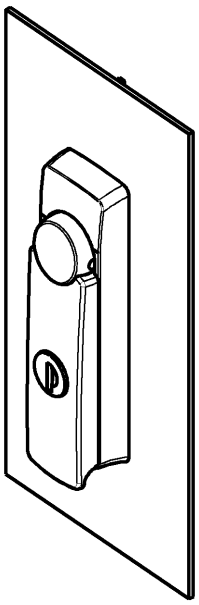
EMKA® Beschlagteile

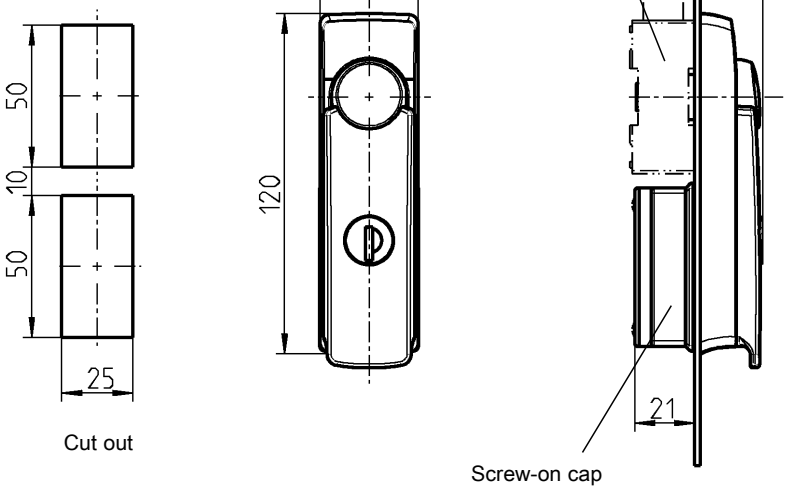
Swinghandle, small version

PROGRAM 1225









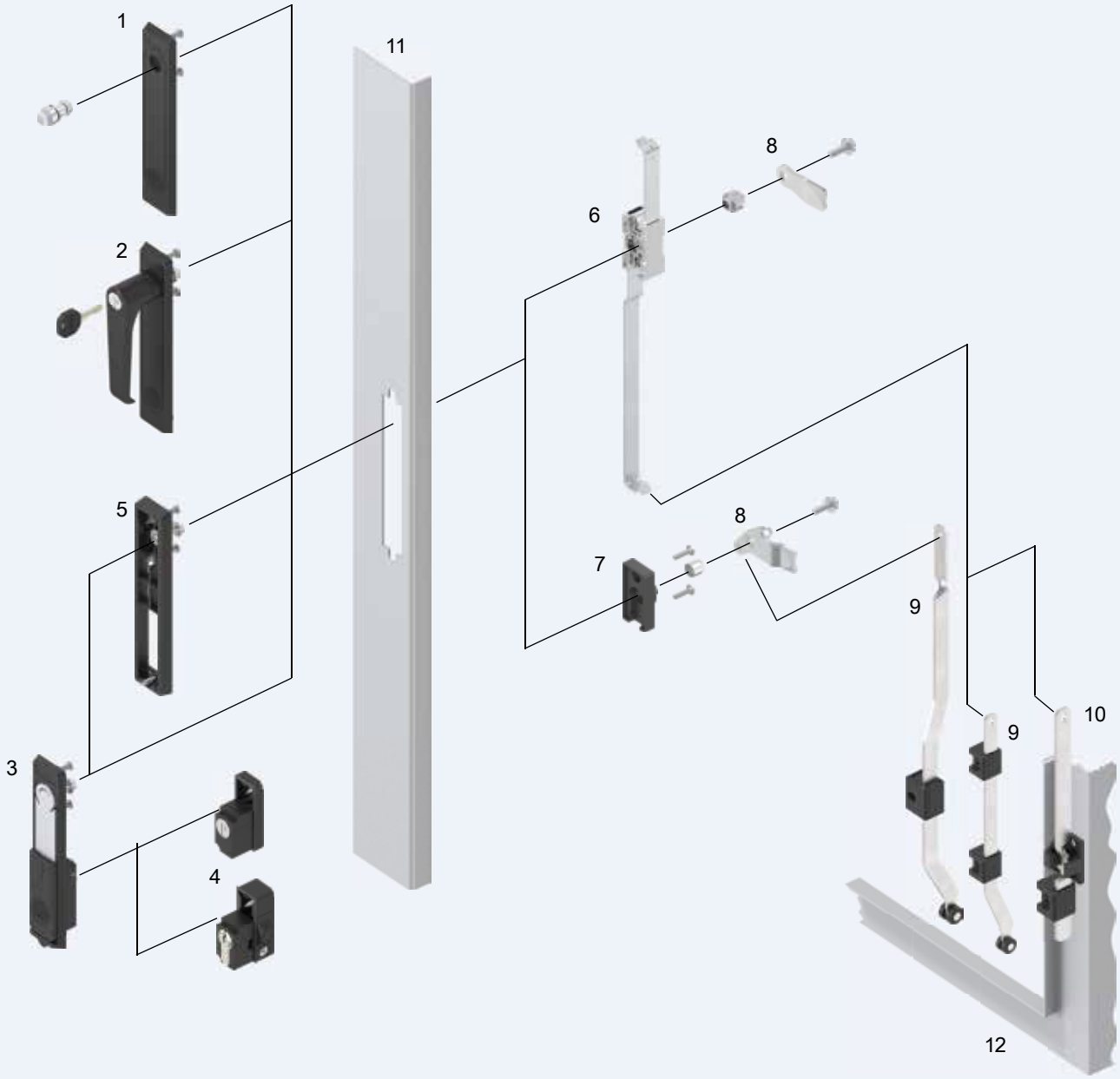
Further parts see page
– Rod control (1121-U60-C or 1121-U61-C) 3YA-160
– Bearing bush (H-dimemsion cam > 23) 3YB-120
– Spare key 8B-140

Swinghandle and escutcheon polyamide black, with round cylinder with stainless steel cap and shutter, shaft zinc die zinc-plated, fixing material m.s. zinc-plated, with seal	
keyed EK 333	1240-U1
keyed different	1240-U2

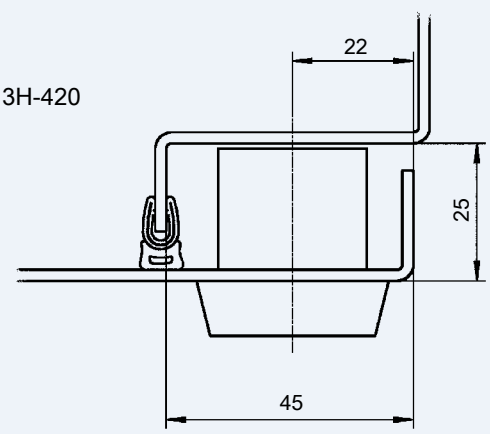
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Swinghandle and Escutcheon Program 2100



1	Escutcheon 2150 with insert	3H-120
2	Escutcheon 2153 with handle	3H-220
3	Swinghandle	3H-320, 3H-420
4	Locking set	
5	Adapter plate	
6	Rod control	
7	Bearing bush	
8	Cam	
9	Rod (inside the sealing)	
10	Rod (outside the sealing)	
11	Door	
12	Housing / Frame	



3H-100

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Beschlagteile

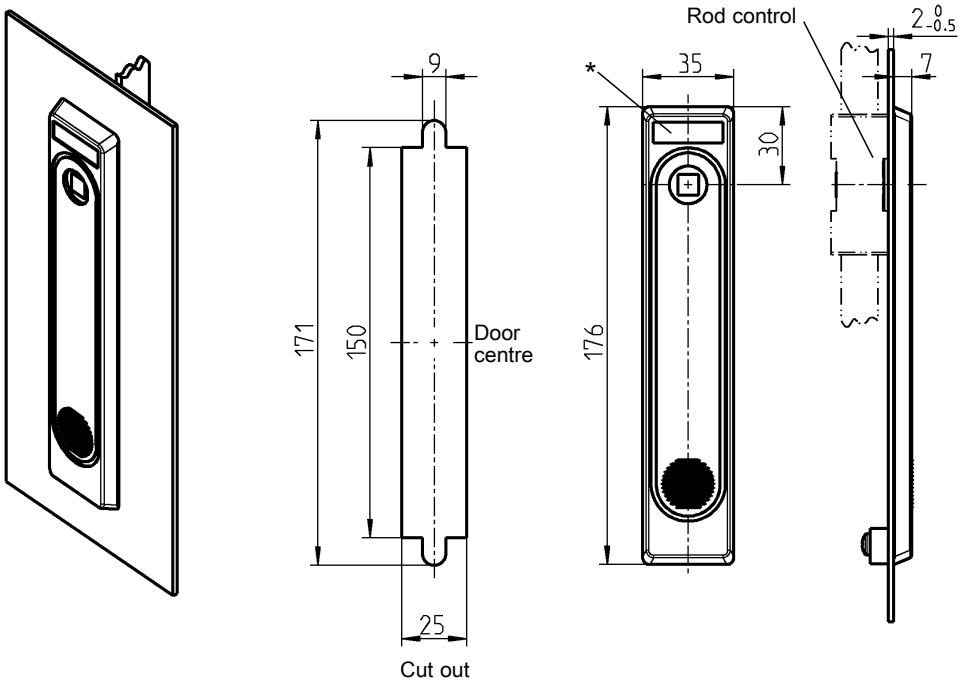
Escutcheon 2150 with insert

PROGRAM 2100









Escutcheon polyamide black, fixing screws m.s. zinc-plated, with seal	
for square, triangular, Daimler Benz, slot	2150-U1
for double bit with mask	2150-U2
for FIAT	2150-U3

Insert zinc die chrome-plated, fixing material m.s. zinc-plated			
Square 6	1121-U11	Double bit 3**	1121-U16
Square 7	1121-U12	Double bit 5**	1121-U17
Square 8	1121-U13	Square female 8	1121-U167
Triangular 6.5 CNOMO	1121-U169	Daimler Benz	1121-U18
Triangular 7	1121-U14	FIAT	1121-U24
Triangular 8	1121-U15	Slot 2x4	1121-U123

* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

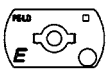
** made of polyamide
on request

Further parts see page

– Key	8B-120
– Rod control	3YA-520
	3YA-540
– Bearing bush	3YB-140

Accessories







Transport safety device polyamide GF black
for insert double bit

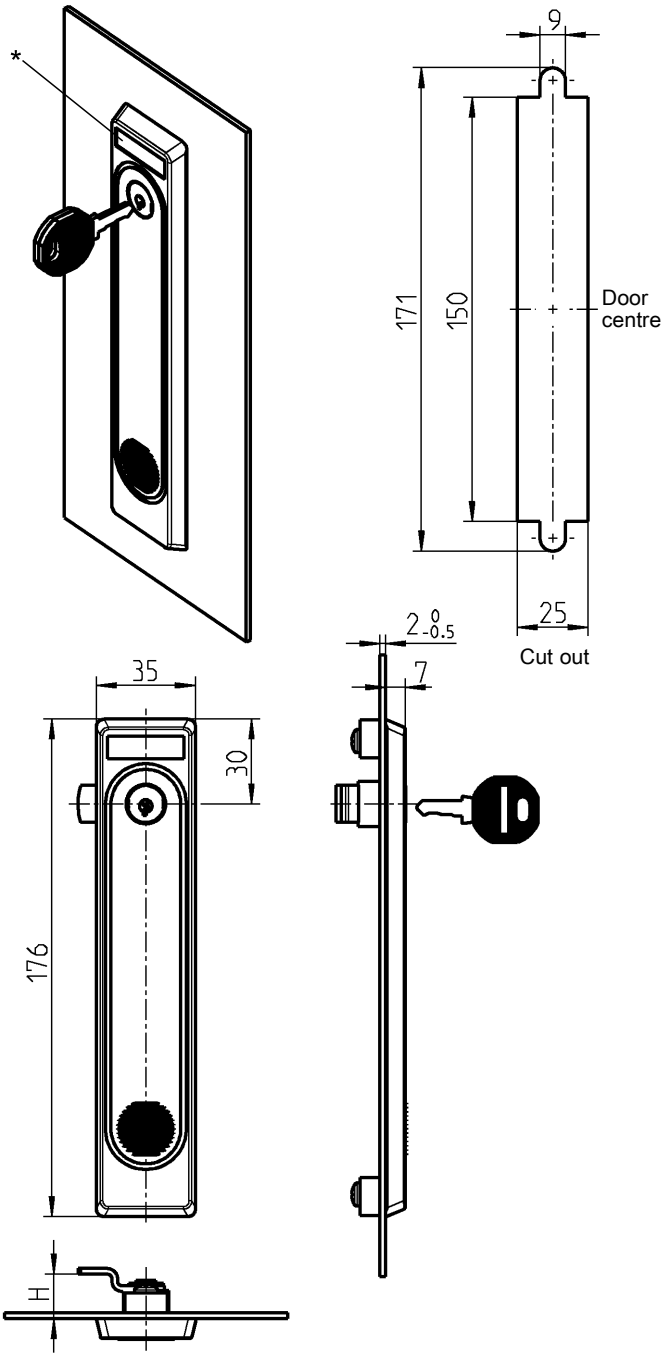
1121-32

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Items printed in gray without stock

Escutcheon 2150

PROGRAM 2100







Escutcheon polyamide GF black, round cylinder zinc die with stainless steel cap, fixing material m.s. zinc-plated, with seal.
Each round cylinder has one silver steel key with grip polyamide GF black

H-dimension 4	Left-hand version	Right-hand version
keyed different	2150-U4	2150-U4-01
keyed 2233X	2150-U5	2150-U5-01
H-dimension 10	**Left-hand version**	**Right-hand version**
keyed different	2150-U6	2150-U6-01
keyed 2233X	2150-U7	2150-U7-01
H-dimension 16	**Left-hand version**	**Right-hand version**
keyed different	2150-U8	2150-U8-01
keyed 2233X	2150-U9	2150-U9-01

* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

Turn = 90°

Further parts see page
– Spare key 8B-140

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Escutcheon 2153 with handle

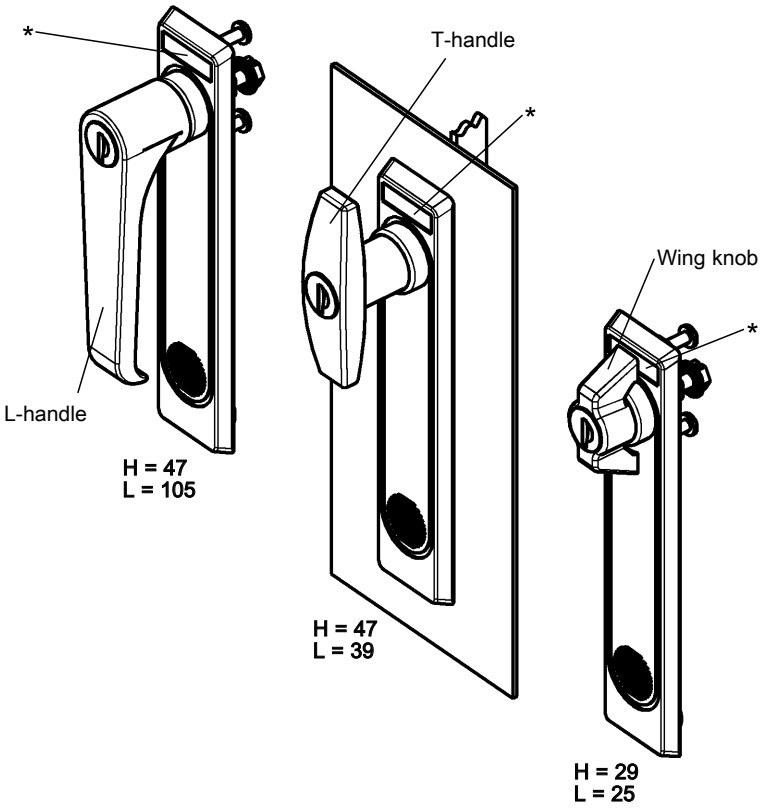
PROGRAM 2100

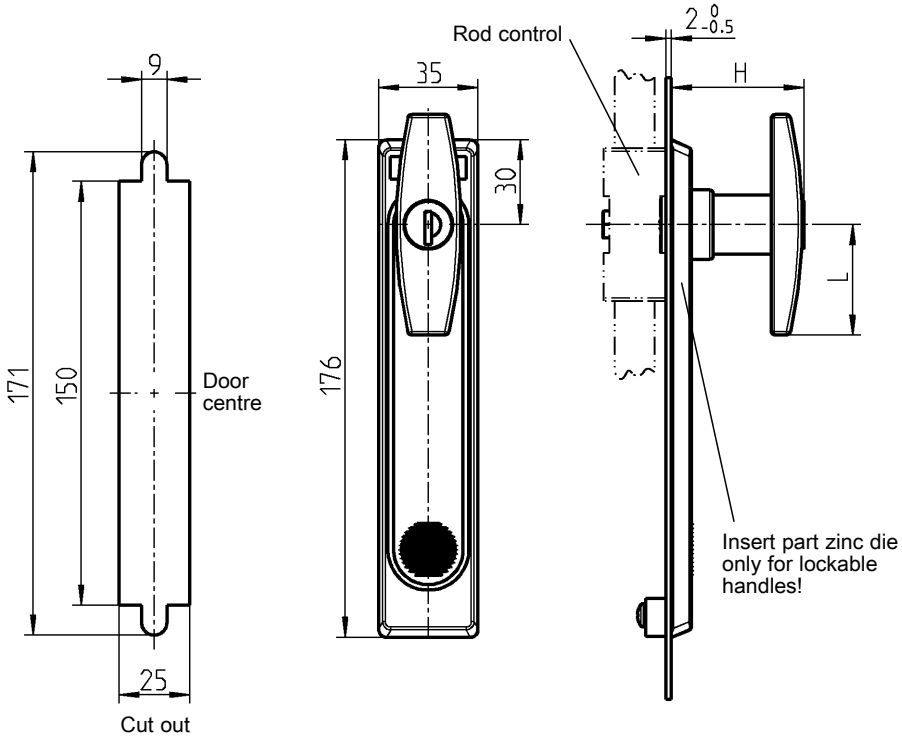












* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

** made of polyamide
on request

Further parts see page

– Spare key	8B-140
– Rod control	3YA-520
	3YA-540
– Bearing bush	3YB-140
– Dust cap for T-handle	1C-340

Escutcheon polyamide GF black; handle zinc die black powder-coated, round cylinder with stainless steel cap and dust cap, fixing material m.s. zinc-plated, with seal.
Each round cylinder has one silver steel key with grip polyamide GF black

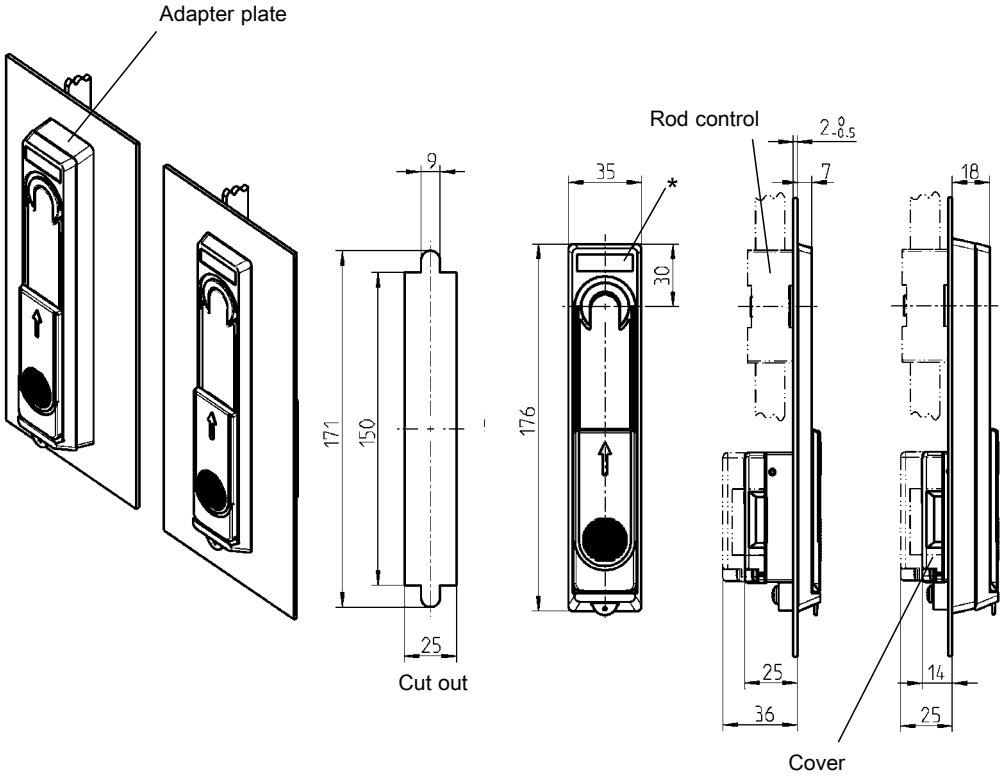
	non locking	keyed EK 333	keyed different
Wing knob	2153-U9	2153-U10	2153-U11
T-handle	2153-U6	2153-U7	2153-U8
L-handle	2153-U3	2153-U4	2153-U5
Prepared for KABA cylinder type 1036 with standard locking and / or locking systems.			on request

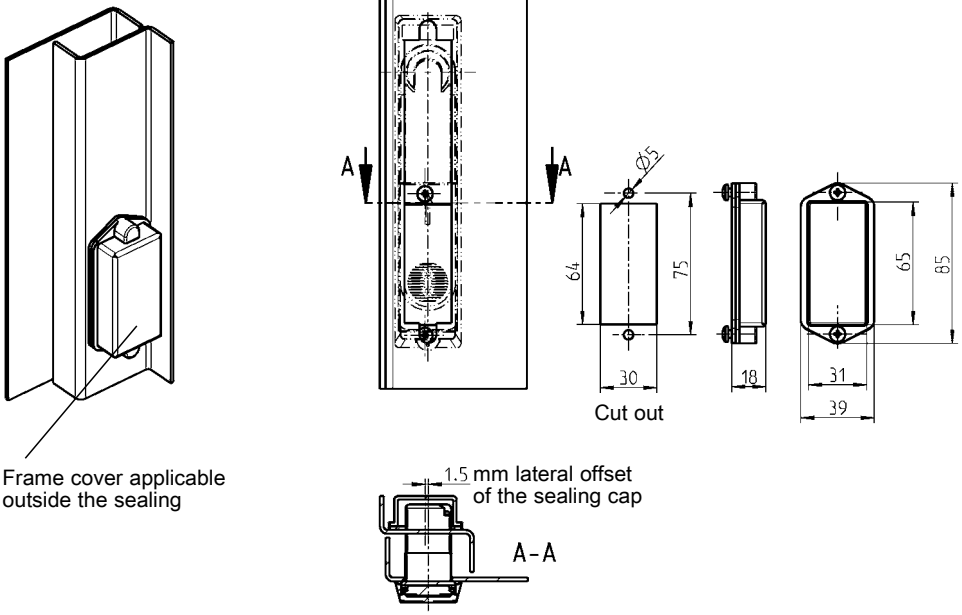
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Items printed in gray without stock

Swinghandle

PROGRAM 2100







Swinghandle polyamide black, handle zinc die chrome-plated, fixing material m.s. zinc-plated, with seal	
Slide cover polyamide black	2100-U1
Slide cover zinc die black powder-coated	2100-U2
Adapter plate polyamide black, adapter cast steel, fixing material m.s. zinc-plated	
	2100-U59
Frame cover polyamide black, fixing material m.s. zinc-plated for RH and LH version, with seal	
	2100-U31

Note:
Swinghandle without locking set

* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

Further parts see page
– Locking set 3XA-120
3XA-140
– Locking set ELM
Special catalogue Electronics
– Rod control 3YA-520
3YA-540
– Bearing bush 3YB-140

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Items printed in gray without stock

EMKA® Beschlagteile

Swinghandle

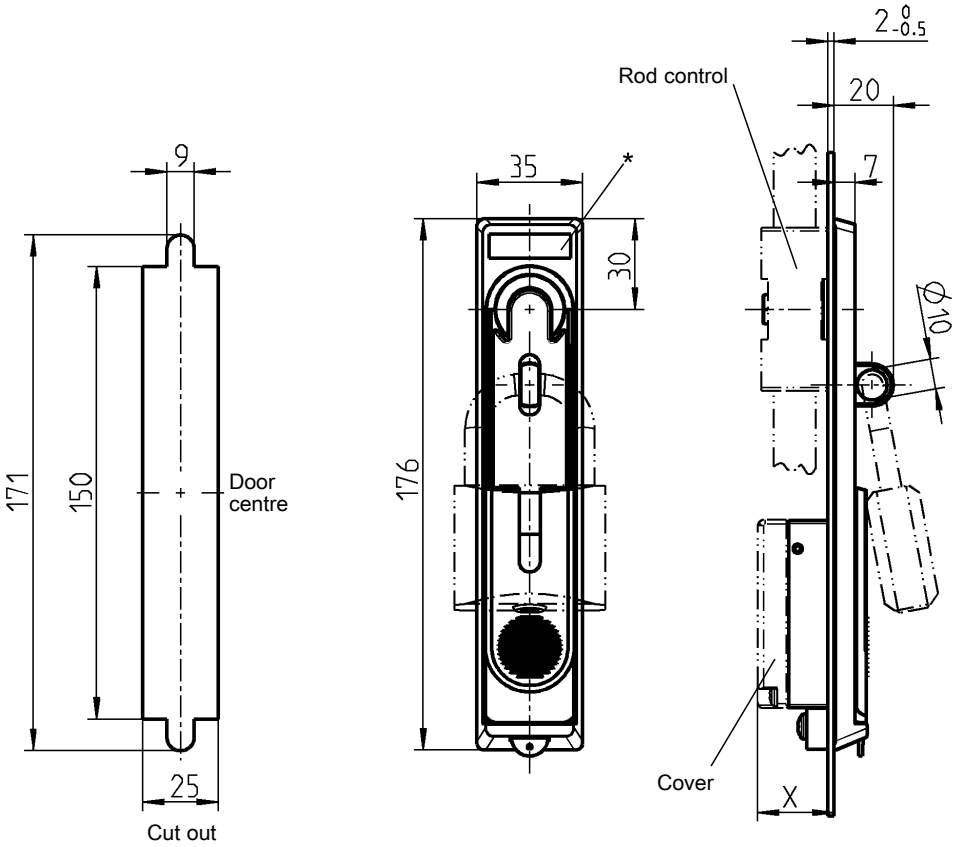
PROGRAM 2100











* Logo recess: 27 x 8 x 0.5
Multicolour pad print possible

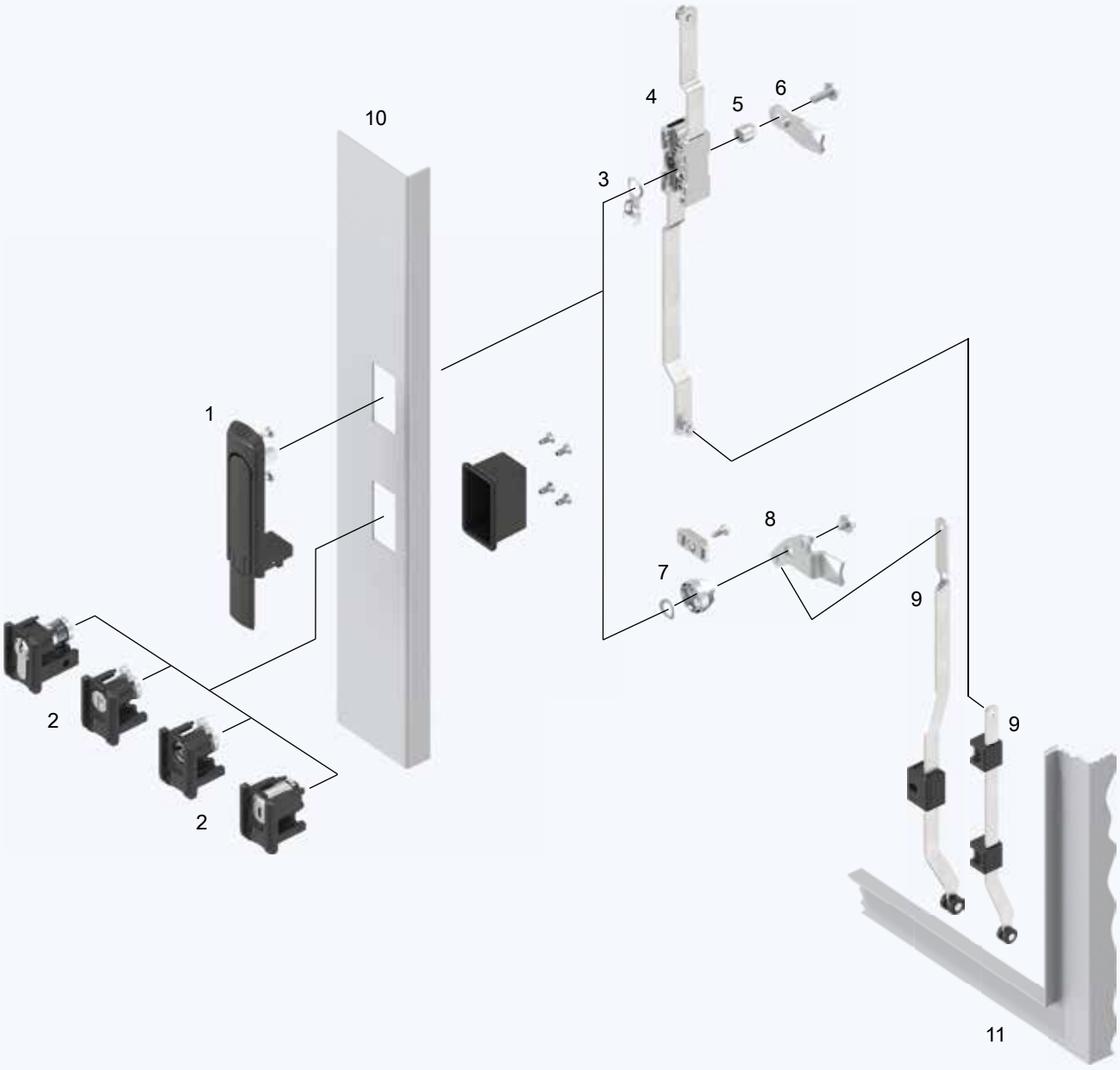
Further parts see page

– Locking set	3XA-120 3XA-140
– Locking set ELM	Special catalogue Electronics
– Rod control	3YA-520 3YA-540
– Bearing bush	3YB-140

Swinghandle polyamide GF black; handle zinc die matt chrome-plated; slide cover zinc die black powder-coated; padlock shackle AISI 303; fixing material m.s. zinc-plated, with seal	
	2100-U9
Version Ford achieved with:	
Locking set square 7	2100-U33

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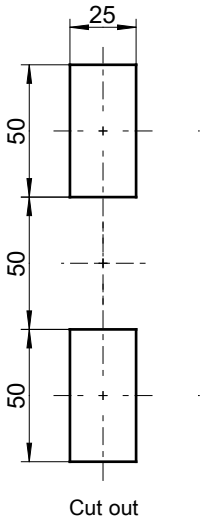
Swinghandle
Program 2225



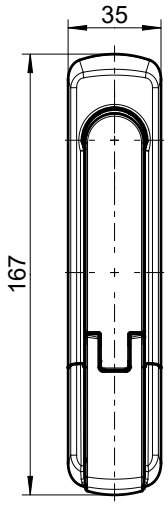
1	Flat swinghandle	3J-120 - 3J-160
2	Locking set	3J-120 - 3J-160
3	Grounding device	
4	Rod control	
5	Adapter	
6	Cam	
7	Adapter for swinghandle	3J-120
8	Cam	
9	Rod (inside the sealing)	
10	Door	
11	Housing / Frame	

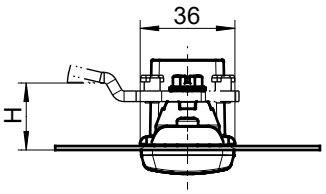
Flat swinghandle with locking set

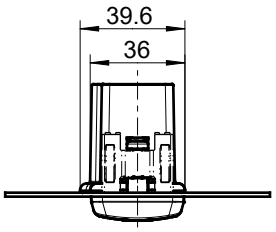
PROGRAM 2225

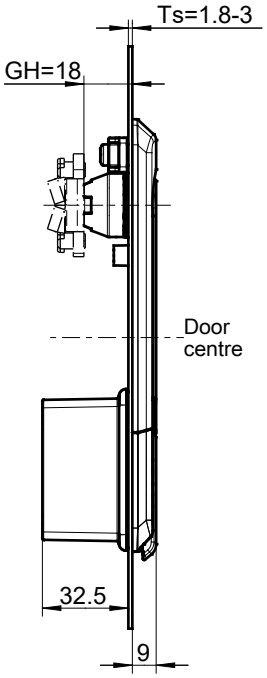


Cut out

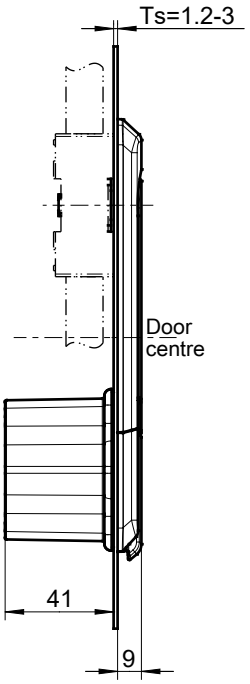








Swinghandle with locking set round cylinder or for KABA cylinder or insert and with adapter for cam



Swinghandle with locking set for profile half cylinder and with rod control

Examples of combinations





Adapter for cam 2225-U101, order separately



Customer solution powder-coated in RAL 9006 (other colours on request) 2225-U1-BK

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Easy exchange of the locking sets
By removing the two lower screws, the locking set can be easily removed to the front.







Product benefits

- Flat design
- Easy exchangable locking unit inserts (locking sets)
- Suitable for standard cut out
- Pre-assembled swinghandle and dish
- Permanent magnet holds the cylinder cover
- Integrated scratch protection prevents surface damage (handle / dish)
- Swinghandle, locking sets and adapter for cam made of zinc die
- Patented

Swinghandle for locking set and for rod control Handle, dish and cylinder cover zinc die black powder coated; pin AISI 303; hook zinc die zinc plated; circlip m.s. zinc plated; shaft AISI 303; fixing material m.s. zinc plated; with spring and seal	
Please order locking set separately	2225-U1
Locking set for swinghandle Housing and cap zinc die black powder coated; permanent magnet; fixing material m.s. zinc plated; with spring and seal	
for 40 mm profile half cylinder (A = 30 mm)	2225-U11
Round cylinder keyed EK 333 Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U48
Round cylinder keyed different Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U49
Double bit 3; Zinc die chrome-plated	2225-U50
for KABA cylinder type 1036 (provided by customer)	2225-U54
Push button; zinc die black powder-coated	2225-U57
Insert railway; Zinc die chrome-plated	2225-U60
Adapter for cam 90° Stopper zinc die zinc-plated; bridge AISI 316; fixing material m.s. zinc-plated	
	2225-U101

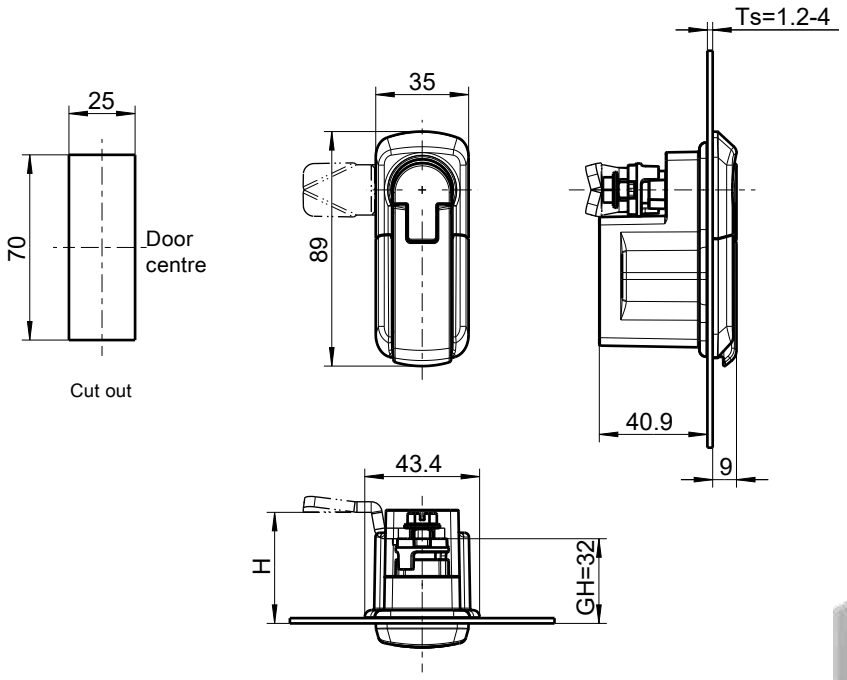
Multicolour pad printing possible

Further parts see page
– Profile half cylinder 3XB-320
– Cams (for adapter) 3YC-120
– Rod control 3YA-110, 3YA-120, 3YA-140
– Cam for rod control (3-point latch system) 3YA-840

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Flat swinghandle short with locking set

PROGRAM 2225











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Easy exchange of the locking sets
By removing the two lower screws, the locking set can be easily removed to the front.







Product benefits

- Flat design
- Easy exchangable locking unit inserts (locking sets)
- Suitable for standard cut out
- Pre-assembled swinghandle and dish
- Permanent magnet holds the cylinder cover
- Integrated scratch protection prevents surface damage (handle / dish)
- Swinghandle, locking sets and adapter for cam made of zinc die
- Patented

Swinghandle and cap for locking set and cam Handle, dish and cylinder cover zinc die black powder-coated; pin AISI 303; hook zinc die zinc-plated; circlip m.s. zinc-plated; shaft AISI 303; with spring and seal Cap and adapter zinc die zinc-plated; fixing material and locking screw m.s. zinc-plated; with foamed seal	
Please order locking set separately	2225-U2
Locking set (for short swinghandle) Housing zinc die black powder-coated; permanent magnet; fixing material m.s. zinc-plated; with spring and seal	
for 40 mm profile half cylinder (A = 30 mm)	2225-U11-01
Round cylinder keyed EK 333 Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U48-01
Round cylinder keyed different Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U49-01
for KABA cylinder type 1036 (provided by customer)	2225-U54-01
Double bit 3; Zinc die chrome-plated	2225-U50-01
Push button	2225-U57-01
Insert railway; Zinc die chrome-plated	2225-U60-01

Multicolour pad printing possible

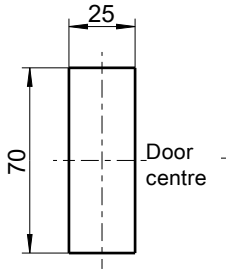
Further door thicknesses on request

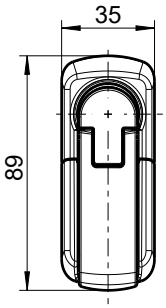
Further parts see page
– Profile half cylinder 3XB-320
– Cams (GH = 32) 1C-120

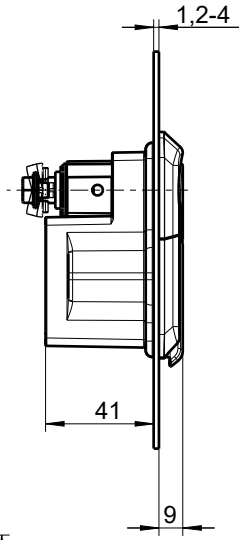
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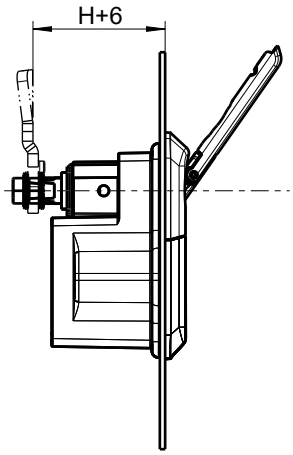
Flat swinghandle short with locking set with compression function

PROGRAM 2225

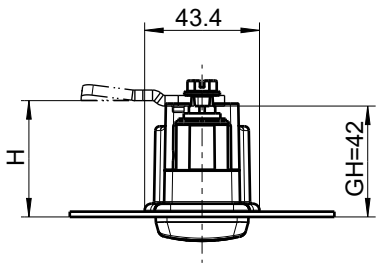


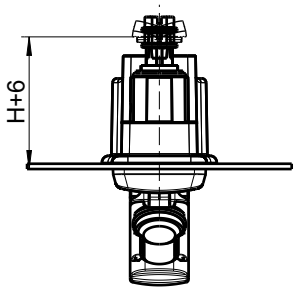






RH-version shown













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Easy exchange of the locking sets
By removing the two lower screws, the locking set can be easily removed to the front.

Product benefits

- Flat design
- Easy exchangable locking unit inserts (locking sets)
- Suitable for standard cut out
- Pre-assembled swinghandle and dish
- Permanent magnet holds the cylinder cover
- Integrated scratch protection prevents surface damage (handle / dish)
- Swinghandle, locking sets and adapter for cam made of zinc die
- Patented









Swinghandle and cap with compression function for locking set and cam
Handle, dish and cylinder cover zinc die black powder-coated; pin AISI 303; hook zinc die zinc-plated; circlip m.s. zinc-plated; shaft AISI 303; with spring and seal

Cap and locking shaft zinc die zinc-plated; fixing material and locking screw m.s. zinc-plated; with foamed seal

for door version	Left	Right
Please order locking set separately	2225-U3-LI	2225-U3-RE
Locking set (for short swinghandle) Housing zinc die black powder-coated; permanent magnet; fixing material m.s. zinc-plated; with spring and seal		
for 40 mm profile half cylinder (A = 30 mm)	2225-U11-01	
Round cylinder keyed EK 333 Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U48-01	
Round cylinder keyed different Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with polyamide grip GF black.	2225-U49-01	
for KABA cylinder type 1036 (provided by customer)	2225-U54-01	
Double bit 3; Zinc die chrome-plated	2225-U50-01	
Push button	2225-U57-01	
Insert railway; Zinc die chrome-plated	2225-U60-01	

Multicolour pad printing possible

Further door thicknesses on request

Further parts see page
– Profile half cylinder 3XB-320
– Cams (GH = 42) 1C-120

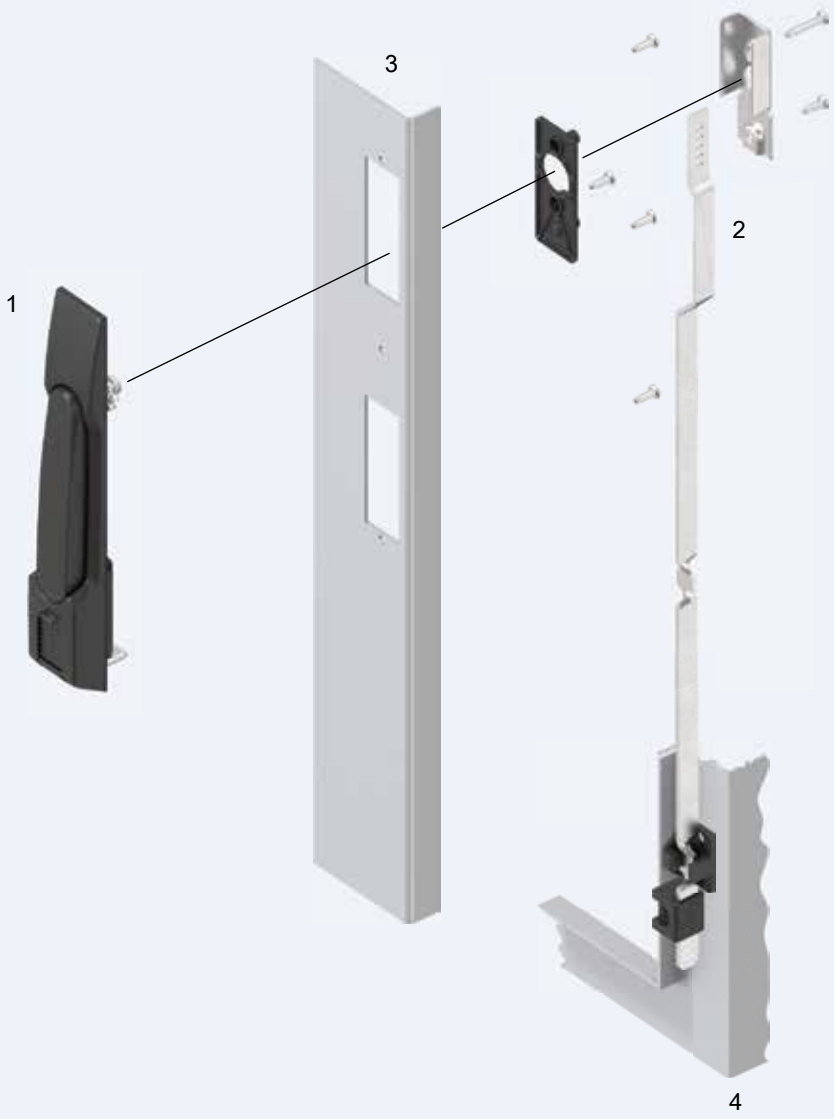
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EMKA®

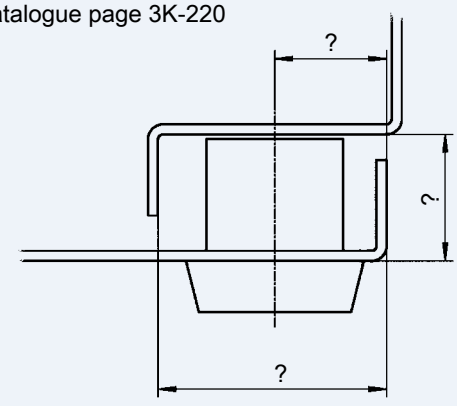
Beschlagteile

Notes:

Swinghandle
Program 2400



Dimenstions for door return
to 1 = see catalogue page 3K-220



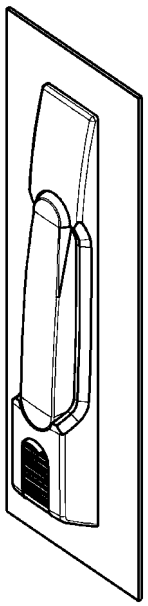
1 Swinghandle
2 Rod
3 Door
4 Housing / Frame

3K-220

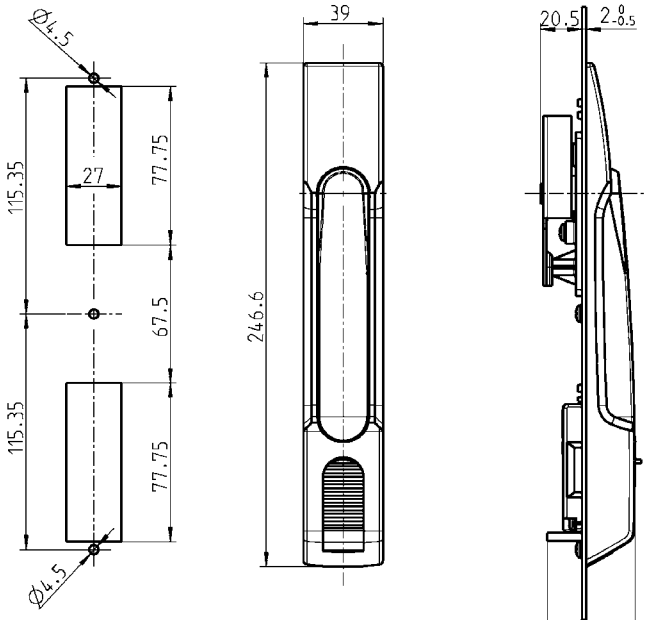
EMKA® Beschlagteile

Swinghandle

PROGRAM 2400

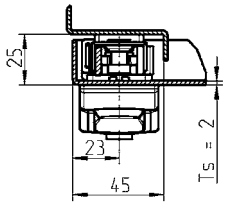






Cut out

Turn = Stroke
90° = 16 mm



Bending area

Multicolour pad printing possible

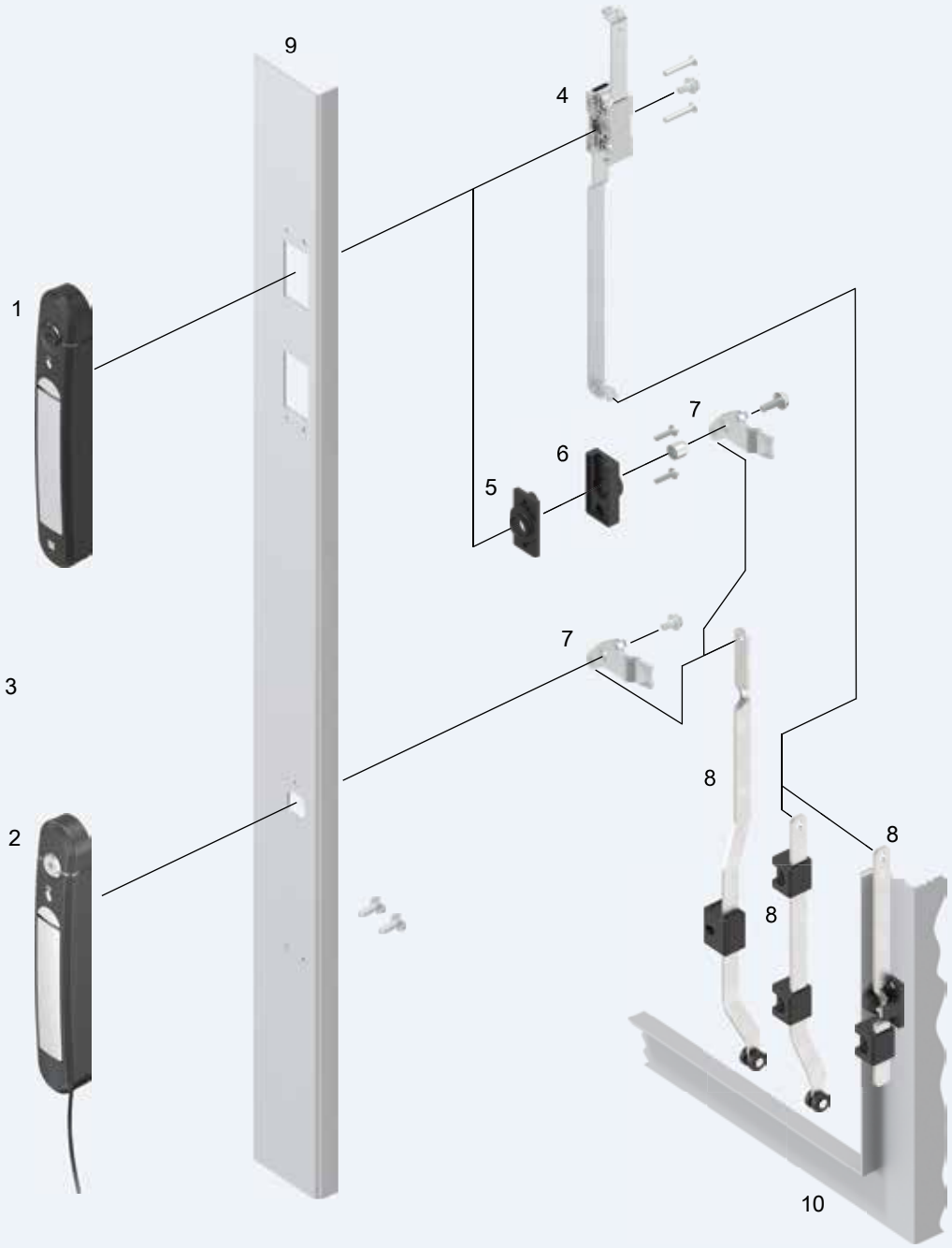
Further parts see page

– Locking set	3XA-120
without push button	3XA-140
with push button	3XA-240
– Locking set ELM Special catalogue	Electronics
– Rod	on request

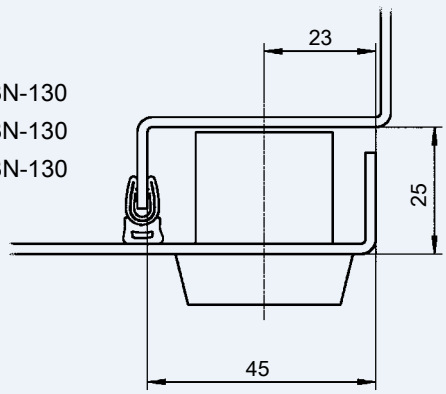
Swinghandle with push button (2100-U56) polyamide GF black, lock zinc die, fixing material m.s. zinc-plated, with seal	
with push button	2400-U3
without push button	2400-U4

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Swinghandle *AGENT E*
Program 3000



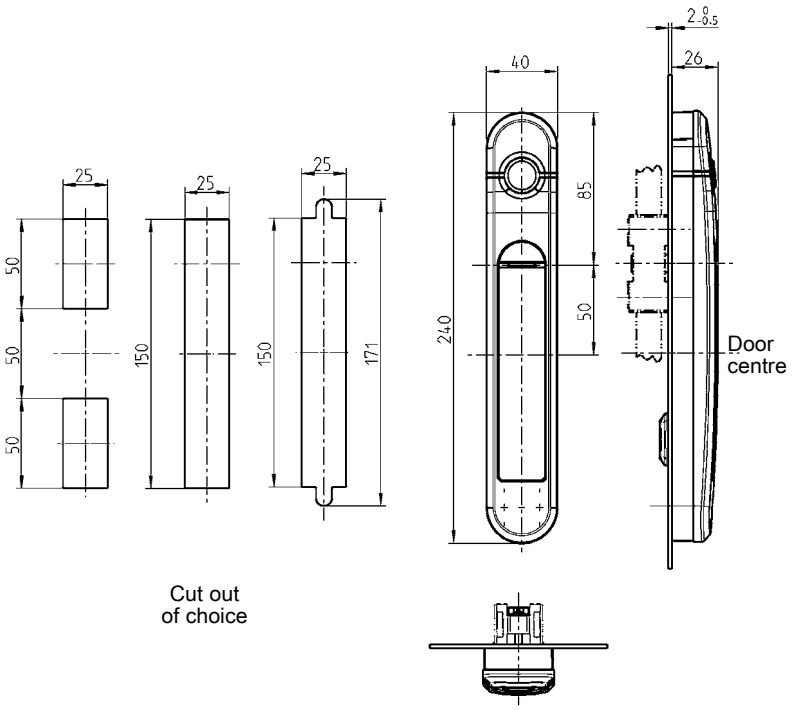
1	Swinghandle for rod control or bearing bush	3N-110 to 3N-130
2	Swinghandle with quarter turn for cam	3N-110 to 3N-130
3	RFID Card	3N-110 to 3N-130
4	Rod control	
5	Adapter plate for bearing bush	
6	Bearing bush	
7	Cam	
8	Rod	
9	Door	
10	Housing / Frame	



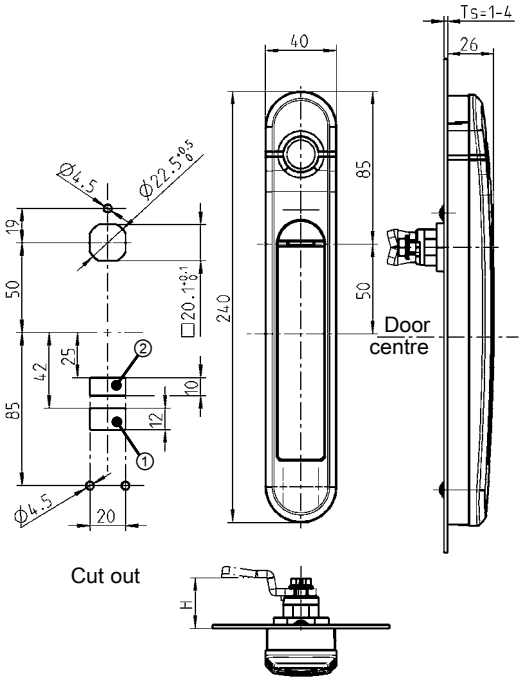
Swinghandle Agent E Wired

PROGRAM 3000

Swinghandle for rod control or bearing bush



Swinghandle for cam



Required for
① = Door contact
② = Power cable

Swinghandle Agent E Wired - functions Tk = door contact

Operation mode	Authentication	Power	Opening standard	Opening optional	Connection option
Wired (cable network)	RFID card (125 kHz or 13.56 MHz)	Cable	Touch	--	Tk

per Control Unit Wireless max. 32 Access Units ≡ max. 64 handles Agent E Wired



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Agent E Wired is the cabled version of the electromechanical swinghandle program.
It enables a central and complete logging of events.
The authentication is done via RFID cards.

Features

- Authentication by 125 kHz or 13.56 MHz RFID cards. Remote opening is always possible in addition
- Handle type Wired Slave does not have its own authentication and is released in combination with master handle, central keypad/central card reader or by remote opening. The opening is done by touching the sensor field
- 4 eyes principle for authentication with 2 authorized RFID cards
- The handle has a connection option for a door contact
- In combination with the Access Unit the centre LED in the sensor field can be actuated in order to signal possible malfunctions in the rack such as increased temperature
- Two handles Agent E Wired can be connected to one Access Unit
- Max. 32 Access Units can be administered by one Control Unit Wireless
- An emergency opening is possible by using the integrated USB port
- The installation in cabinets of different manufacturers is solved with various adapters, on request





Swinghandle Agent E consisting of: dish polyamide GF black; handle and shaft zinc die powder-coated white aluminium; cable with RJ45 plug 4 m; mounting and operating instructions		
	for rod control or bearing bush	**for cam**
Wired with RFID 125 kHz	on request	on request
Wired with RFID 13.56 MHz	3000-U900-41	3000-U900-42
Wired Slave	on request	on request
RFID Card		
125 kHz		3000-87
13.56 MHz		3000-88
Adapter set for bearing bush; adapter plate polyamide GF black; adapter m.s. precision casting zinc-plated; fixing material m.s. zinc-plated		
for Ts 1.0 - 3.0		3000-U104-01
Adapter set for retrofitting		
for various cabinet types		on request
USB adapter cable		
USB Standard-A on USB Micro-B		3000-U102

Further parts see page
– Access Unit
Special catalogue Electronics
– Door contact
Special catalogue Electronics
– Rod control 3YA-120
3YA-140
– Bearing bush 3YB-120
– Cam (GH = 18) 1C-120

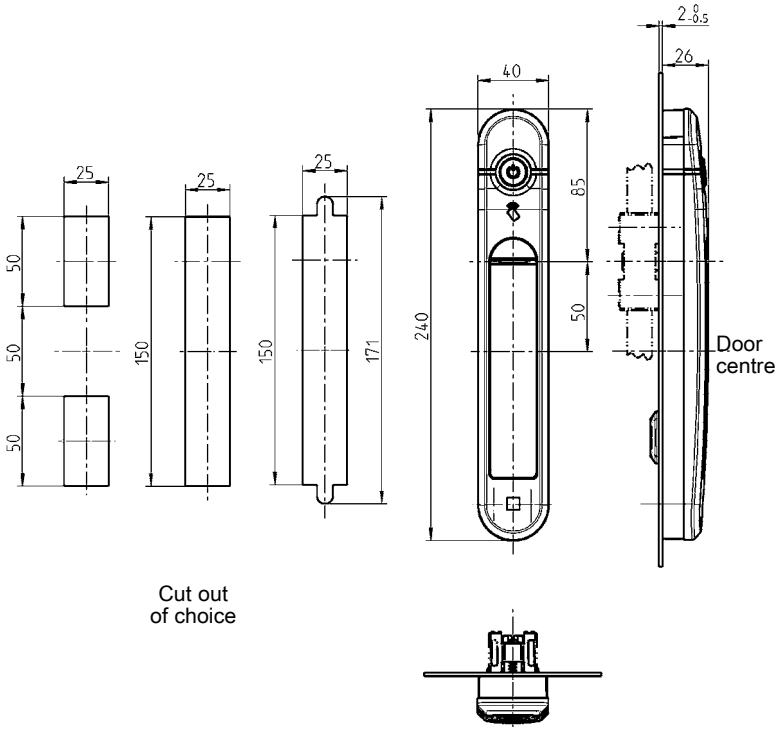
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Items printed in gray without stock

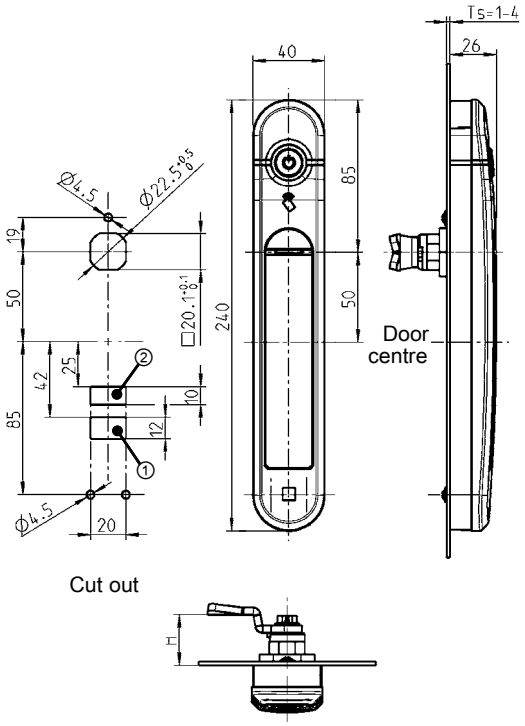
Swinghandle Agent E Wireless

PROGRAM 3000

Swinghandle for rod control or bearing bush



Swinghandle for cam



Required for
① = Door contact
② = Not needed

Swinghandle Agent E Wireless - functions Tk = door contact

Operation mode	Authentication	Power	Opening standard	Opening optional	Connection option
Wireless (wireless network)	RFID card (125 kHz or 13.56 MHz)	Battery	Immediately	--	Tk

per control unit wireless max. 16 access units wireless ≡ max. 1,200 handles Agent E Wirelss



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The Agent E Wireless is still the only swinghandle with wireless communication.
Due to its wireless an thus cost-saving mounting it is most suitable for retrofitting in data centres.
The authentication is done via RFID cards.
A highly-efficient power management guarantees a long battery life.







Features

- Wireless communication for data exchange via wireless network with Access Units Wireless (industrial standard according to national regulations)
- One Control Unit Wireless can actuate up to 1,200 handles Agent E Wireless using Access Units Wireless in one wireless network
- The authentication can be effected by RFID cards with 125 kHz or 13.56 MHz. Remote opening is always possible in addition
- Extremely energy-efficient battery operation (battery life min. 3 years)
- 4 eyes principle for authentication with 2 authorized RFID cards
- The handle has a connection option for a door contact
- An emergency power function is possible with the integrated USB port
- Agent E Wireless is most suitable for retrofitting due to its wireless mounting
- The installation in cabinets of different manufacturers is solved with various adapters, on request



Swinghandle Agent E consisting of: dish polyamide GF black; handle and shaft zinc die powder-coated white aluminium; 2 batteries; mounting and operating instructions		
③ Wireless type for all EU countries plus Switzerland and Norway	for rod control or bearing bush	for cam
Wireless with RFID 125 kHz	on request	on request
Wireless with RFID 13.56 MHz	3000-U911-41	3000-U911-42
RFID Card		
125 kHz		3000-87
13.56 MHz		3000-88
Adapter set for bearing bush; adapter plate polyamide GF black; adapter m.s. precision casting zinc-plated; fixing material m.s. zinc-plated		
for Ts 1.0 - 3.0		3000-U104-01
Adapter set for retrofitting		
for various cabinet types		on request

③ Note:
Wireless versions for other countries on request

Other card systems such as e.g. Legic or Mifare Desfire EV1 available on request

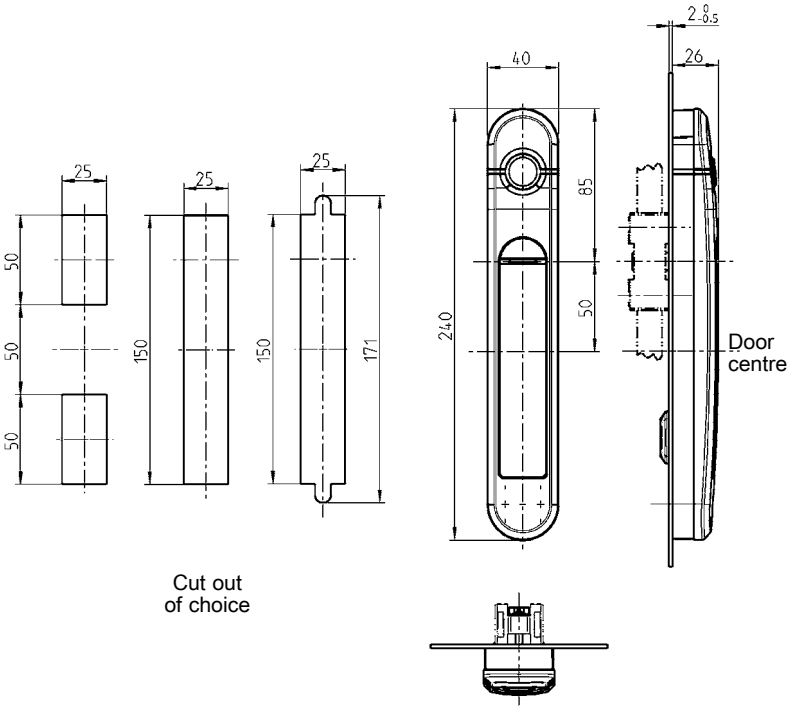
Further parts see page
– Access Unit Wireless
Special catalogue Electronics
– Door contact
Special catalogue Electronics
– Rod control 3YA-120
3YA-140
– Bearing bush 3YB-120
– Cam (GH = 18) 1C-120

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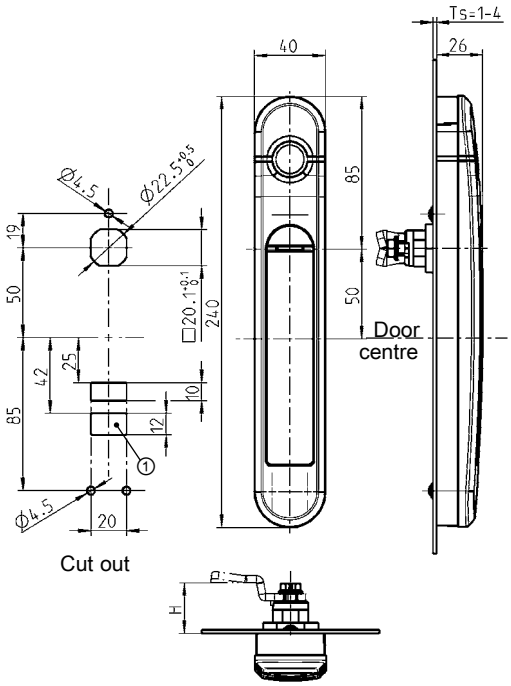
Swinghandle Agent E RFID Stand-Alone

PROGRAM 3000

Swinghandle for rod control or bearing bush



Swinghandle for cam



Required for
① = Door contact

Swinghandles Agent E RFID Stand-Alone - functions

Tk = door contact; SA = status display

Operation mode	Authentication	Power	Opening standard	Opening optional	Connection option
Stand-Alone	RFID card (125 kHz or 13.56 MHz)	Battery	Immediately		Tk

max. 128 transponder cards per handle
Card management via USB with software tool



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Agent E RFID Stand-Alone
This version consists of a battery-operated Agent E handle with integrated card reader for 125 kHz or 13.56 MHz transponder cards.
By holding an authorised card in front of the integrated reader, the handle will open.
Easy to configure using software.

This handle does not require any external cabling to work.

Features

- Battery-operated handle with integrated RFID reader
- Authentication by 125 kHz or 13.56 MHz transponder cards
- Extremely energy-efficient battery operation (battery life min. 3 years)
- Configuration via USB port with Agent E configuration software (card administration, time profiles, reading out event logs)
- All handles have a connector for adding a door contact
- Data storage for 2,000 events
- Emergency power function and emergency opening via USB port
- The installation in cabinets of different manufacturers is solved with various adapters, on request





Swinghandle Agent E consisting of: dish polyamide GF black; handle and shaft zinc die powder-coated white aluminium; 2 batteries, mounting and operating instructions		
	for rod control or bearing bush	for cams
Stand-Alone with RFID 125 kHz	on request	on request
Stand-Alone with RFID 13.56 MHz	3000-U910-21	3000-U910-22
Transponder card		
125 kHz		3000-87
13.56 MHz		3000-88
Adapter set for bearing bush; adapter plate polyamide GF black; adapter m.s. precision casting zinc-plated; fixing material m.s. zinc-plated		
for Ts 1.0 - 3.0		3000-U104-01
Adapter set for retrofitting		
for various cabinet types		on request
USB adapter cable		
USB Standard-A on USB Micro-B		3000-U102

Further parts see page
– Rod control 3YA-120
3YA-140
– Bearing bush 3YB-120
– Cam (GH = 18) 1C-120
– Door contact
Special catalogue Electronics

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Notes:

Locking sets
Program 1107, 1150, 1180, 1190, 1390, 2100, 2400



1 **Swinghandle Program 1107, 1150, 1180, 1190, 1390, 2100, 2400**
2 Locking set with profile half cylinder according to DIN 18252
3 Locking set with profile half cylinder with round cylinder
4 Locking set with profile half cylinder with insert
5 Locking set with profile half cylinder with round cylinder and push button
6 Locking set for profile half cylinder according to DIN 18252 is provided by the customer
7 Locking set for ASSA cylinder is provided by the customer
8 Locking set with round cylinder
9 Locking set with insert
10 Locking set for KABA cylinder is provided by the customer
11 Locking set with push button
12 Locking set ELM see special catalogue Electronics

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Locking set

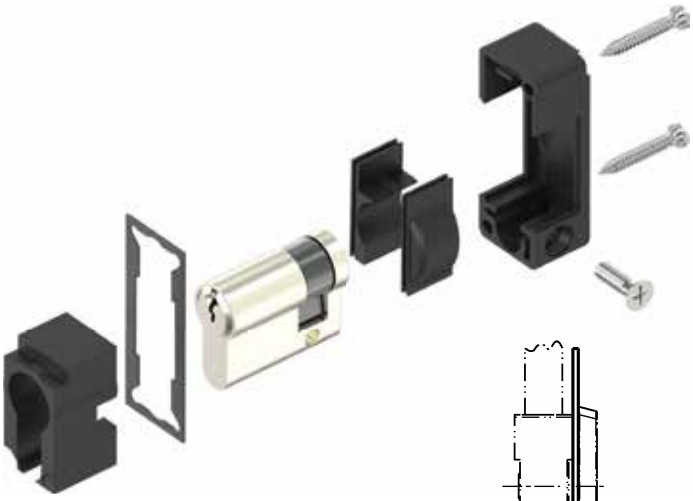
PROGRAM 1107, 1150, 1180, 1190, 1390, 2100, 2400

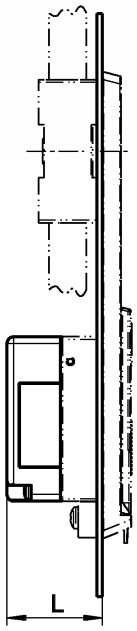


1109-U52 and 1109-U53
In unlocked position the handle operates by pressing the push button.



2100-U6
for ASSA cylinder. Attention! ASSA cylinder and 2 fixing screws M5x8 are not included in scope of delivery.





Program	Dimension L
1150	42
1180	32
1190	29.5
1390	-
2100	36
2400	23

Locking set polyamide black with or without profile half cylinder or ASSA cylinder, fixing material m.s. zinc-plated., with seal			
Locking set profile half cylinder according to DIN 18252, brass nickel-plated with 3 keys (also available as master key system)			
keyed different	1089-U5	keyed alike 110319 N	1089-U6
for profile half cylinder 40 mm (A = 30 mm) to be supplied by the customer			2100-U11
Locking set profile half cylinder with round cylinder zinc die with stainless steel cap and dust protection Each round cylinder has one silver steel key with grip polyamide GF black			
keyed different	1109-U50	keyed EK 333	1109-U51
Locking set profile half cylinder with push button, round cylinder zinc die chrome-plated. Each round cylinder has one silver steel key with grip polyamide GF black			
keyed different	1109-U52	keyed 2233X	1109-U53
Locking set profile half cylinder with insert zinc die chrome-plated			
Square 6	1109-U18	Double bit 3	1109-U34
Square 7	1109-U19	Double bit 5	1109-U35
Square 8	1109-U20	Hexagon female SW 10	1109-U27
Square 8 slotted	1109-U21	Square female 6	1109-U28
Triangular 6.5 CNOMO	1109-U22	Square female 8	1109-U29
Triangular 7	1109-U23	Daimler Benz	1109-U30
Triangular 8	1109-U24	Slot 1.2 x 3	1109-U31
Triangular 9	1109-U25	Slot 2 x 4	1109-U32
Triangular 10	1109-U26	Crown type	1109-U33
		Eastern Europe Ø 13 half-round	1109-U58
Locking set for ASSA cylinder is provided by the customer (without seal)			
			2100-U6

Further parts see page
– Key 8B-120

Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 3E-120
to 3E-520

Program 1190
– Lifthandle 3F-120

Program 1390
– Lifthandle 3FA-120

Program 2100
– Swinghandle 3H-320
to 3H-420

Program 2400
– Swinghandle 3K-220

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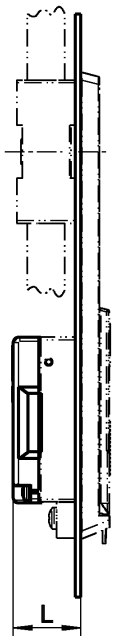
Items printed in gray without stock

Locking set

PROGRAM 1107, 1150, 1180, 1390, 2100, 2400

All round cylinders and inserts are spring-loaded

Program	Dimension L
1150	31.5
1180	21.5
1390	-
2100	25
2400	20





2100-U54
Prepared for KABA cylinder. Attention! KABA cylinder and 2 countersunk screws M2,3x8 are not included in scope of delivery.

Locking set polyamide GF black with round cylinder or insert, fixing material m.s. zinc-plated, with seal			
Locking set round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black			
keyed EK 333	2100-U48	keyed different	2100-U49
Installation kit for KABA cylinder type 1036 (provided by customer)			2100-U54
Locking set insert zinc die chrome-plated			
Square 6	2100-U32	Hexagon female SW 10	2100-U41
Square 7	2100-U33	Square female 6	2100-U42
Square 8	2100-U34	Square female 8	2100-U43
Square 8 slotted	2100-U35	Daimler Benz	2100-U44
Triangular 6.5 CNOMO	2100-U36	FIAT	2100-U53
Triangular 7	2100-U37	Slot 1.2 x 3	2100-U45
Triangular 8	2100-U38	Slot 2 x 4	2100-U46
Triangular 9	2100-U39	Crown type	2100-U47
Triangular 10	2100-U40	Eastern Europe Ø 13 half-round	2100-U58
Double bit 3	2100-U50	Push button	2100-U57
Double bit 5	2100-U51		

Further parts see page
– Key 8B-120

Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 1185 3E-520

Program 1390
– Lifthandle 3FA-120

Program 2100
– Swinghandle 3H-320 to 3H-420

Program 2400
– Swinghandle 3K-220

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Locking set

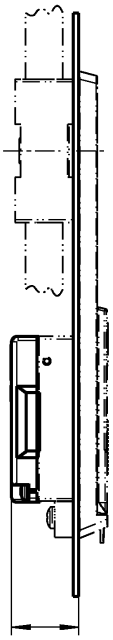
PROGRAM 1180, 1190, 2400





All round cylinders and inserts are spring-loaded

Program	Dimension L
1180	21.5
1190	29.5
2400	20



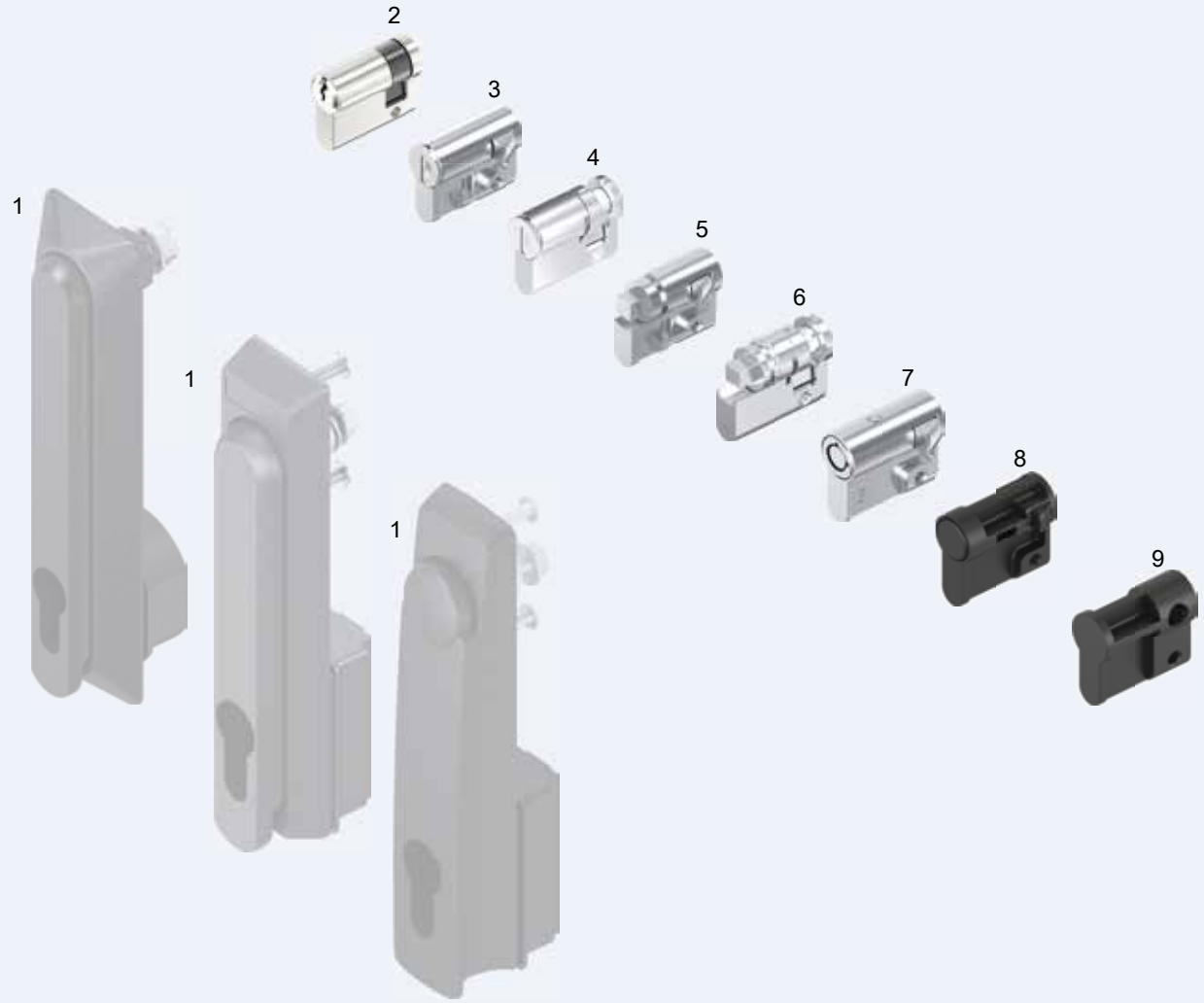
Locking set polyamide GF black, fixing material m.s. zinc-plated	
Round cylinder zinc die with stainless steel cap and dust cap. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	2100-B30
keyed different	2100-B31
Insert zinc die chrome-plated	
Square 6	2100-B14
Square 7	2100-B15
Square 8	2100-B16
Square 8 slotted	2100-B17
Triangular 6.5 CNOMO	2100-B18
Triangular 7	2100-B19
Triangular 8	2100-B20
Triangular 9	2100-B21
Triangular 10	2100-B22
Double bit 3	2100-B32
Double bit 5	2100-B33
Hexagon female SW 10	2100-B23
Square female 6	2100-B24
Square female 8	2100-B25
Daimler Benz	2100-B26
FIAT	2100-B34
Slot 1.2 x 3	2100-B27
Slot 2 x 4	2100-B28
Crown type	2100-B29
Eastern Europe Ø 13 half-round	2100-B36
Push button	2100-U56

Further parts see page
– Key 8B-120
Program 1180
– Swinghandle 1180 to 3E-120 to 3E-320
Program 1190
– Swinghandle 3F-120
Program 2400
– Swinghandle 3K-220

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Items printed in gray without stock

Locking sets
Profile half cylinder
Program 1107, 1125, 1150, 1225, 1190, 1317, 1325, 2225

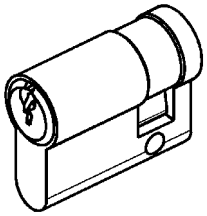


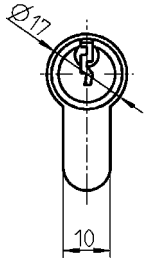
1 **Swinghandle Program 1107, 1125, 1150, 1225, 1190, 1317, 1325, 2225**
2 Profile half cylinder DIN 18252
3 Profile half cylinder with round cylinder with spring return
4 Profile half cylinder with round cylinder
5 Profile half cylinder with insert with spring return
6 Profile half cylinder with insert
7 Profile half cylinder with radial pin cylinder with spring return
8 Profile half cylinder with push button
9 Blind plug

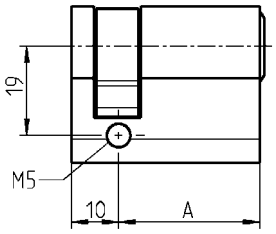
Profile half cylinder

PROGRAM 1107, 1125, 1150, 1225, 1317, 1325

Profile half cylinder according to DIN 18252 (EN 1303)

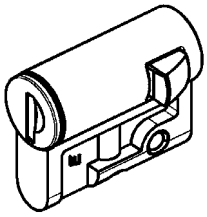


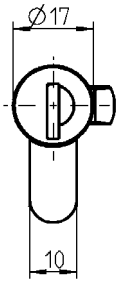


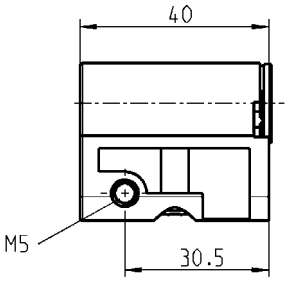


Profile half cylinder according to DIN 18 252 brass nickel-plated with 3 keys, locking cam reversible every 45°		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
(Master key system on request)		

EMKA profile half cylinder with round cylinder



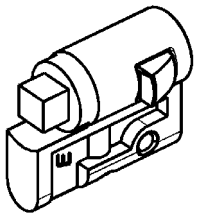


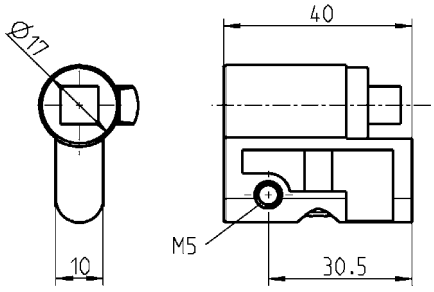


EMKA profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap, one key made of nickel silver per round cylinder with grip polyamide GF black.	
keyed different	1109-U1-N
keyed EK 333	1109-U2-N
EMKA profile half cylinder with insert zinc die chrome-plated, spring loaded return of locking cam into locked position.	
Square 6	1109-U4-N
Square 7	1109-U5-N
Square 8	1109-U6-N
Square 8 slotted	1109-U7-N
Triangular 6.5 CNOMO	1109-U17-N
Triangular 7	1109-U8-N
Triangular 8	1109-U9-N
Double bit 3	1109-U10-N
Double bit 5	1109-U11-N
Hexagon female SW 8	1109-U12-N
Hexagon female SW 10	1109-U13-N
Square female 8	1109-U55-N
Slot 2 x 4	1109-U14-N
Daimler Benz	1109-U15-N
Eastern Europe Ø 13 half-round	1109-U54-N

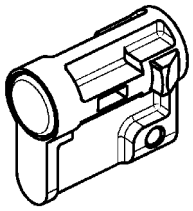
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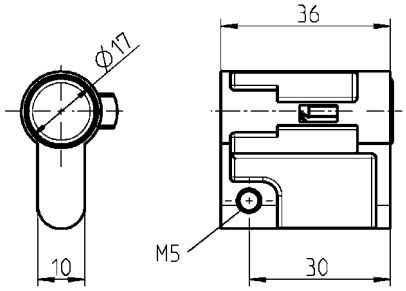
EMKA profile half cylinder with insert



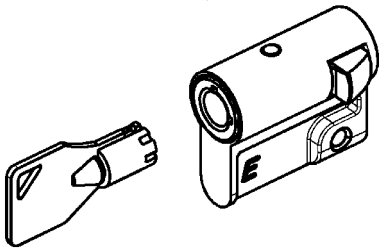


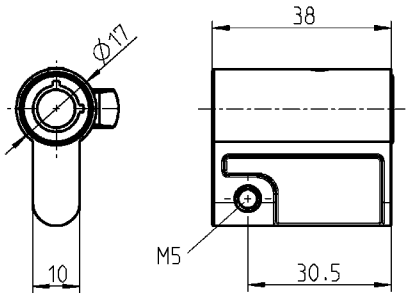
Push button profile half cylinder



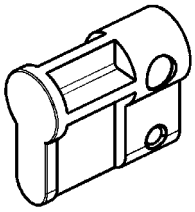


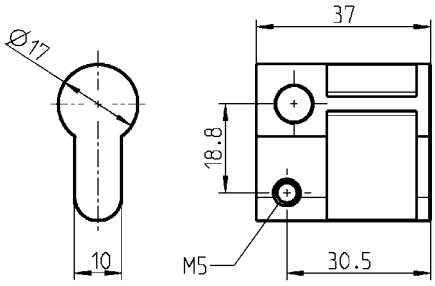
Radial pin snap-in cylinder





Blind plug







Further parts see page

– Key	8B-120
– Spare key	8B-140
– Locking set	3XC-120
Program 1107	
– Swinghandle	3A-120 to 3A-320
Program 1125	
– Swinghandle	3B-220 3B-420
Program 1150	
– Swinghandle 1153	3C-320
Swinghandle 1154	3C-220 3C-260
Program 1190	
– Lifthandle	3F-330
Program 1225	
– Swinghandle	3G-220
Program 1317	
– Swinghandle	3AB-120 3AB-140
Program 1325	
– Swinghandle	3BA-220

Push button profile half cylinder polyamide GF black	
	1109-U59
Radial pin snap-in cylinder zinc die chrome-plated, spring-loaded return of locking cam into locked position. Key only removable in locked position.	
keyed 20001	1109-U60
keyed different	1109-U61
Spare key 20001	1108-U52
Spare key, keyed different	1108-U52-V
Blind plug polyamide GF black, spring-loaded ball m.s. burnished	
with spring-loaded ball	1109-U3
without spring-loaded ball	1109-09-AA

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EMKA® Beschlagteile

Profile half cylinder

PROGRAM 1125, 1225, 1317







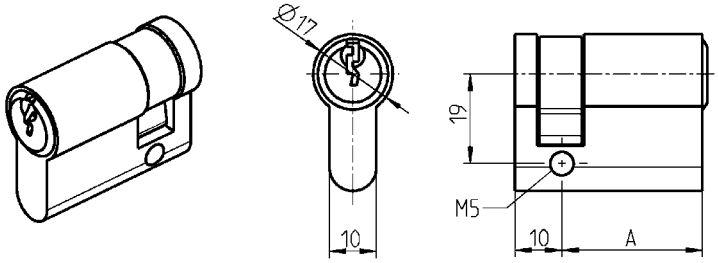


Note:
For the swinghandle 1225-U60 (3G-320) only profile half cylinders 1089-U1 or 1089-U2 can be used!

Further parts see page

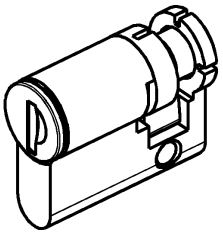
– Key	8B-120
– Spare key	8B-140
Program 1125	
– Swinghandle	3B-320
Program 1225	
– Swinghandle	3G-320
Program 1317	
– Swinghandle	3AB-160

Profile half cylinder according to DIN 18252 (EN 1303)

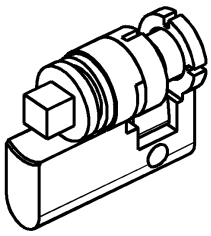


Profile half cylinder according to DIN 18 252 brass nickel-plated with 3 keys, locking cam reversible every 45°		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
(Master key system on request)		

EMKA profile half cylinder with round cylinder, turn 360°

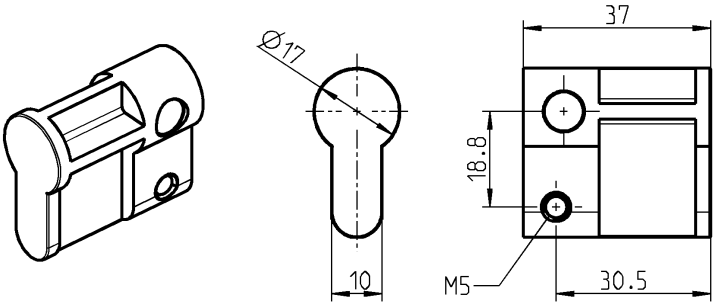


EMKA Profile half cylinder with insert, turn 360°



EMKA profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap, each round cylinder has one silver steel key with grip polyamide GF black, turn 360°	
keyed different or keyed EK 333	on request
EMKA profile half cylinder with insert zinc die chrome-plated., turn 360°	
Insert, e.g. square, triangular, double bit, slot and more	on request

Blind plug



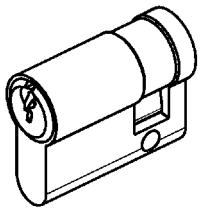
Blind plug polyamide GF black	
	1109-09-AA

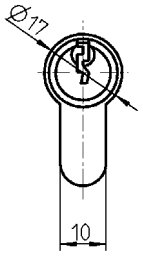
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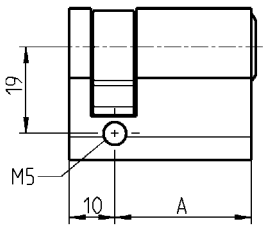
Profile half cylinder

PROGRAM 1150, 1190, 2225

Profile half cylinder according to DIN 18252 (EN 1303)



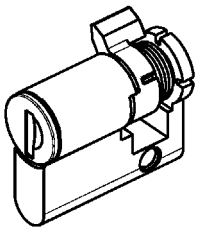


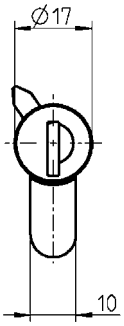


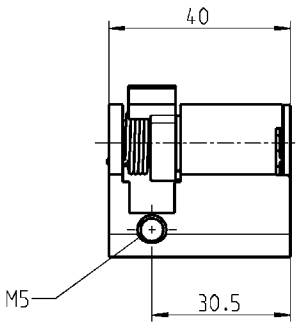


Profile half cylinder according to DIN 18252 brass nickel-plated with 3 keys, locking cam reversible every 45°		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
(Master key system on request)		

EMKA profile half cylinder with round cylinder











EMKA profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap, key only removable in locked position, spring-loaded return of locking cam into locked position. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed different	1109-U50-01
keyed EK 333	1109-U51-01
EMKA profile half cylinder with insert zinc die chrome-plated, spring-loaded return of locking cam into locked position	
Square 6	1109-U18-01
Square 7	1109-U19-01
Square 8	1109-U20-01
Square 8 slotted	1109-U21-01
Triangular 6.5 CNOMO	1109-U22-01
Triangular 7	1109-U23-01
Triangular 8	1109-U24-01
Triangular 9	1109-U25-01
Triangular 10	1109-U26-01
Double bit 3	1109-U34-01
Double bit 5	1109-U35-01
Hexagon female SW 10	1109-U27-01
Square female 6	1109-U28-01
Square female 8	1109-U29-01
Daimler Benz	1109-U30-01
Slot 1.2 x 3	1109-U31-01
Slot 2 x 4	1109-U32-01
Crown type	1109-U33-01
Eastern Europe Ø 13 half-round	1109-U58-01

Further parts see page
– Key 8B-120
– Spare key 8B-140
Program 1150
– Swinghandle 1154 3C-280
Program 2225
– Swinghandle 3J-120
Program 1190
– Swinghandle 3F-430

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Notes:

Locking sets
Program 1317, 1325



1 Swinghandle Program 1317, 1325
2 Locking set for profile half cylinder DIN 18252
3 Locking set with round cylinder
4 Locking set with insert

EMKA®
Beschlagteile

New locking set series
PROGRAM 1317, 1325





Locking set polyamide GF black; screws m.s. zinc-plated	
for profile half cylinder 40 mm (A = 30 mm) (1)	1109-U101



Locking set polyamide GF black; round cylinder zinc die with stainless steel cap and dust protection; screws m.s. zinc-plated. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1109-U103
keyed different	1109-U104
Assembly of swinghandle and locking set on request	
	1109-990



Locking set polyamide GF black; insert zinc die chrome-plated, screws m.s. zinc-plated	
Square 6	1109-U105
Square 7	1109-U106
Square 8	1109-U107
Square 8 slotted	1109-U108
Triangular 6.5 CNOMO	1109-U109
Triangular 7	1109-U110
Triangular 8	1109-U111
Triangular 9	1109-U112
Triangular 10	1109-U113
Double bit 3	1109-U114
Double bit 5	1109-U115
Hexagon female SW 10	1109-U116
Square female 6	1109-U117
Square female 8	1109-U118
Daimler Benz	1109-U119
Slot 1.2 x 3	1109-U120
Slot 2 x 4	1109-U121
Crown type	1109-U122
Eastern Europe Ø 13 half-round	1109-U123
Assembly of swinghandle and locking set on request	
	1109-990

(1) (In case of profile half cylinder the locking cam must be set to 90°)



Further parts see page
– Profile half cylinder (Blind plug without spring-loaded ball not usable) 3XB-120
– Key 8B-120
– Spare key 8B-140

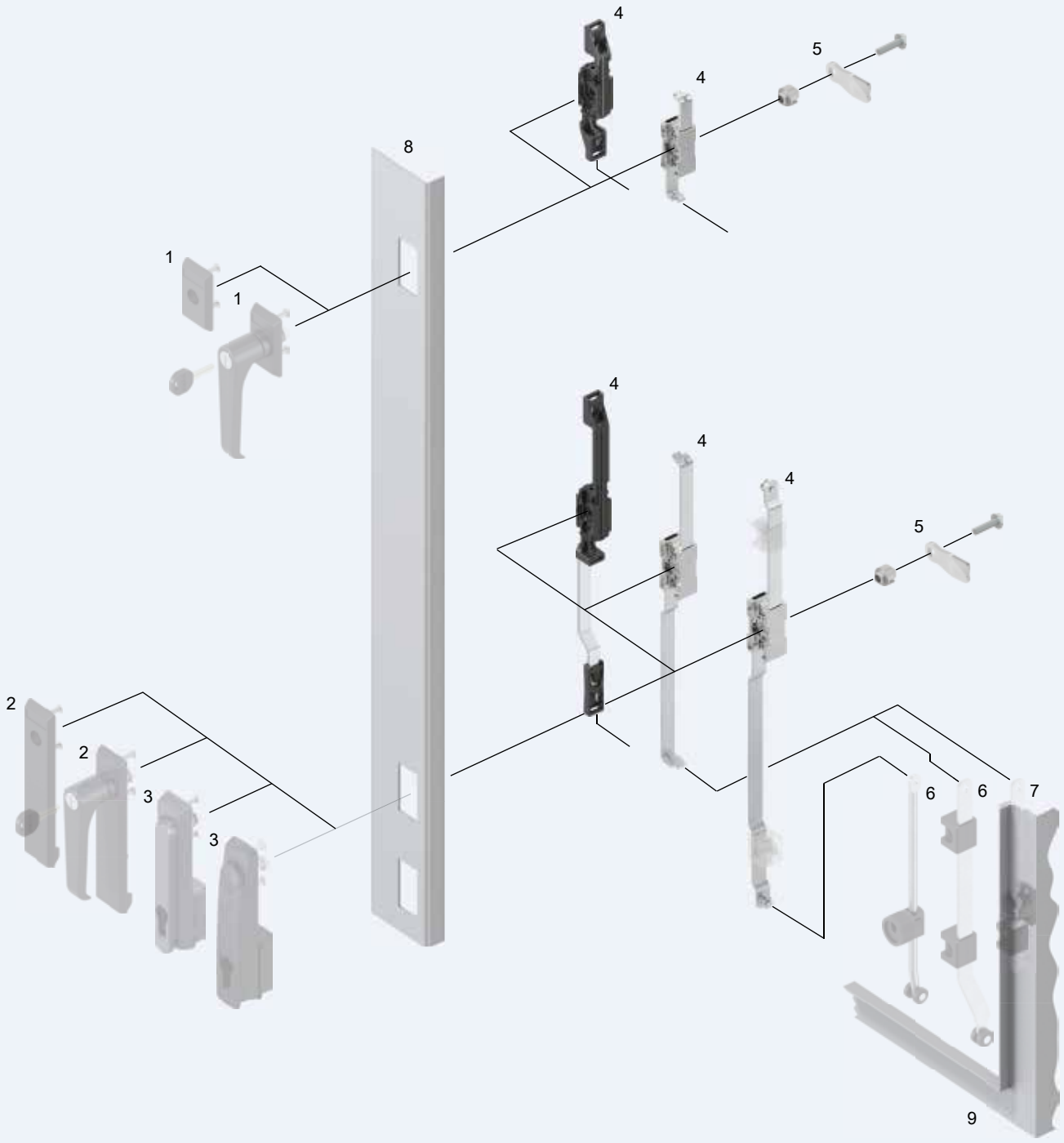
Program 1317
– Swinghandle 3AB-140

Program 1325
– Swinghandle 3BA-220
3BA-320

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Items printed in gray without stock

Rod control
Program 1125, 1150, 1225, 1325, 2100, 2225, 3000



1	Escutcheon small	Program 1125, 1225
2	Escutcheon long	Program 1125, 1225, 1325, 2100
3	Swinghandle	Program 1125, 1150, 1225, 1325, 2100, 2225, 3000
4	Rod control	3YA-110 bis 3YA-540
5	Cam	3YA-820, 3YA-840
6	Rod (inside the sealing)	
7	Rod (outside the sealing)	
8	Door	
9	Housing / Frame	

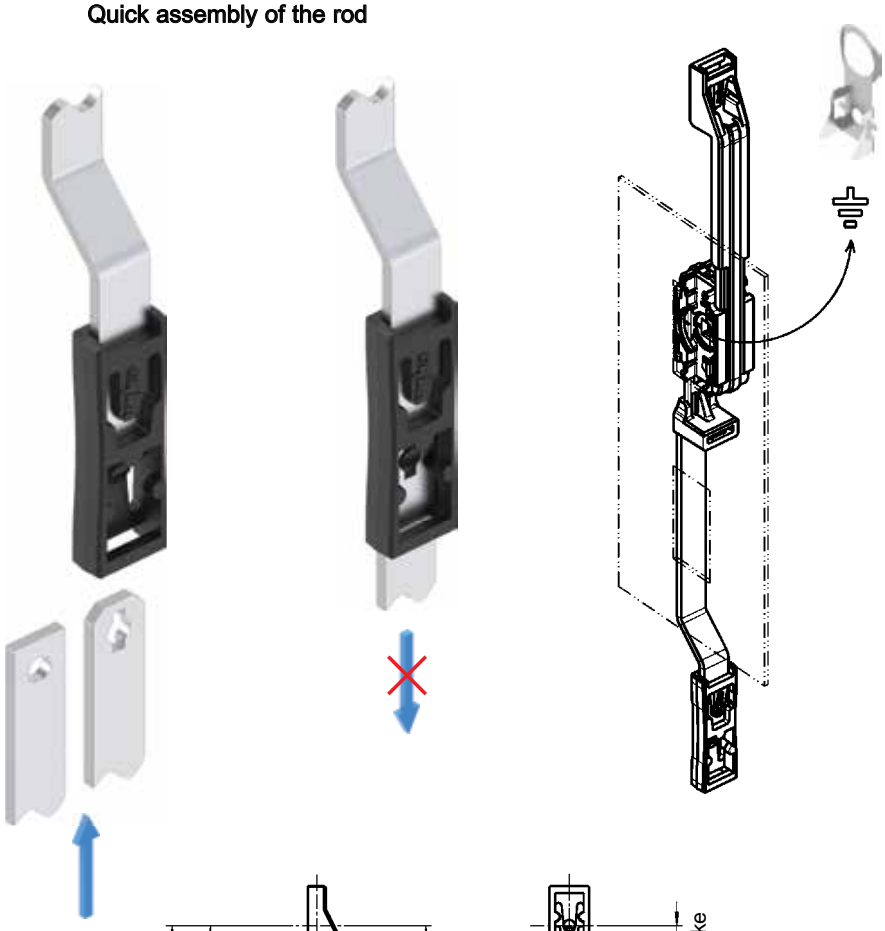
EMKA® Beschlagteile

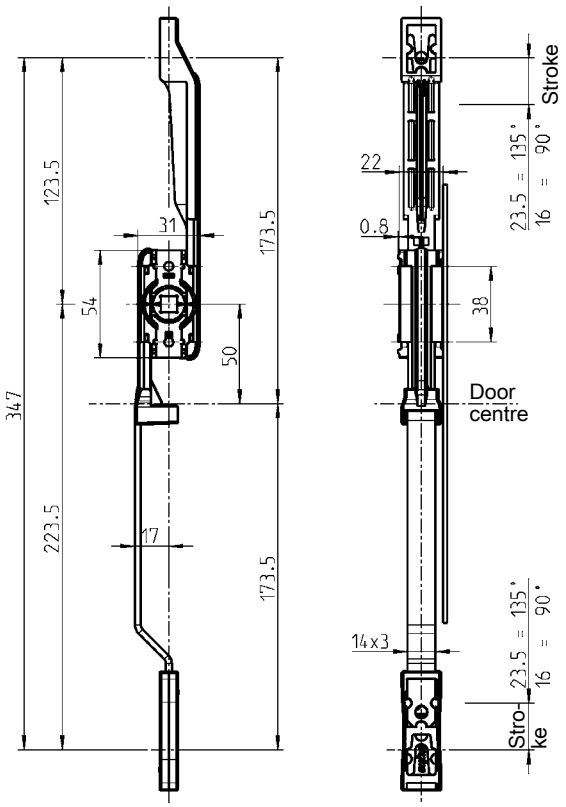
Rod control for flat rods

PROGRAM 1125, 1150, 1225, 1325, 2225, 3000



Quick assembly of the rod





Further parts see page

– Rods

outside	3ZA-120
inside (only flat rods possible)	3ZB-120
	3ZB-200
	3ZB-220
– Grounding device	3YA-720
– Cam	3YA-820
(Swinghandle 1325)	3YA-840

Program 1125

– Escutcheon long	3B-120
	3B-180
– Swinghandle	3B-220
	3B-420

Program 1150

– Swinghandle 1150	3C-160
	3C-720
to	3C-750
– Swinghandle 1153	3C-320

Program 1225

– Escutcheon long	3G-120
	3G-180
– Swinghandle	3G-220
	3G-420

Program 1325

– Escutcheon	3BA-120
– Swinghandle	3BA-220

Program 2225

– Swinghandle	3J-120

Program 3000

– Swinghandle	3N-120

Rod control made of high performance plastics

1121-U26-K

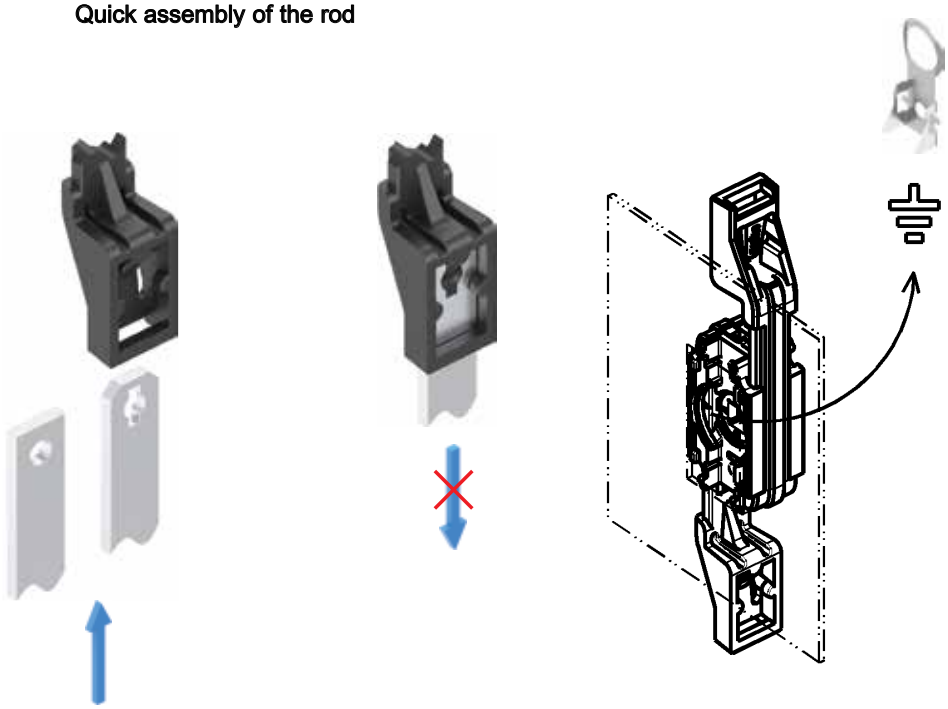
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Rod control for flat rods

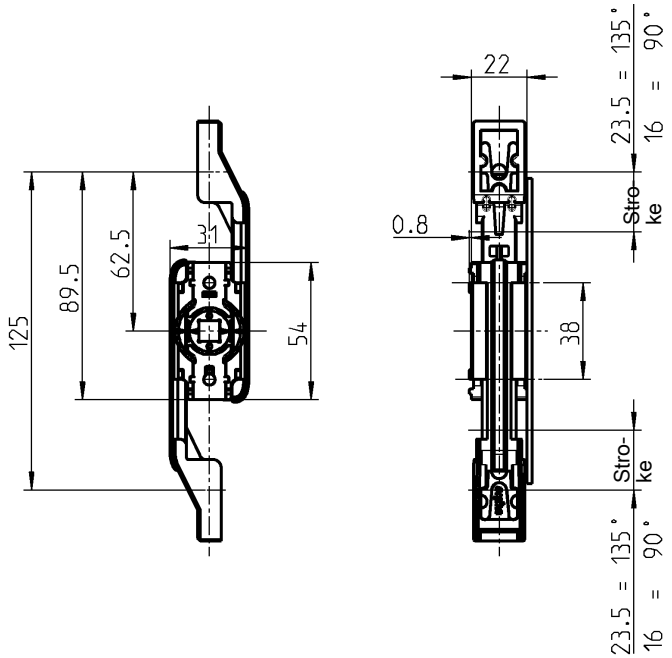
PROGRAM 1125, 1225



Quick assembly of the rod







Further parts see page
– Rods

inside (only flat rods possible)	3ZB-120 3ZB-200 3ZB-220
– Grounding device	3YA-720
– Cam	3YA-820

Program 1125

– Escutcheon short	3B-120 3B-180

Program 1225

– Escutcheon short	3G-120 3G-180

Rod control made of high performance plastics

1121-U1-K

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EMKA® Beschlagteile

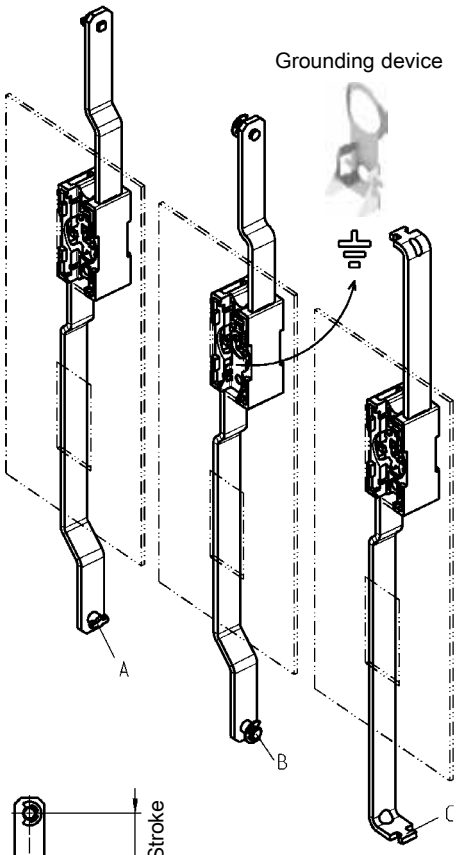
Rod control for flat rods

PROGRAM 1125, 1150, 1225, 1325, 2225, 3000

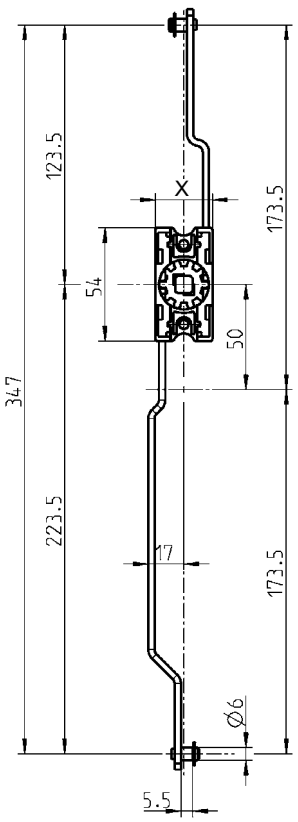
EDELSTAHL Rostfrei STAINLESS STEEL

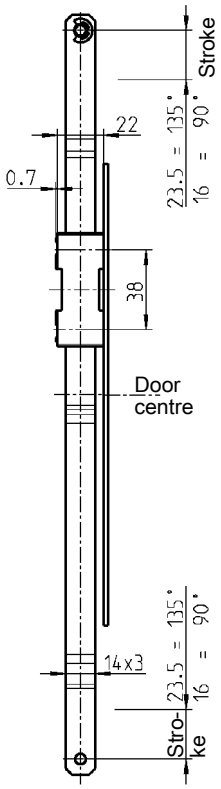
AISI INOX





X = 27 mm zinc die and polyamide
29 mm AISI





Further parts see page

– Rods

outside	3ZA-120
inside (only flat rods possible)	3ZB-120
	3ZB-200
	3ZB-220
– Grounding device	3YA-720
– Cam (Swinghandle 1325)	3YA-820
	3YA-840

Program 1125

– Escutcheon long	3B-120
	3B-180
– Swinghandle	3B-220
	3B-420

Program 1150

– Swinghandle 1150	3C-160
	3C-720
to	3C-750
– Swinghandle 1153	3C-320

Program 1225

– Escutcheon long	3G-120
	3G-180
– Swinghandle	3G-220
	3G-420

Program 1325

– Escutcheon	3BA-120
– Swinghandle	3BA-220

Program 2225

– Swinghandle	3J-120

Program 3000

– Swinghandle	3N-110
to	3N-130

Rod control material of choice

Rod control box	Rod	Version A	Version B	Version C
Zinc die	m.s. zinc-plated	1121-U125-C	1121-U26-C	1121-U85-C
Polyamide GF black	AISI 304	–	1121-U178-C	–
Polyamide GF black	Aluminium	–	1121-U38-C	1121-U86-C
AISI 316	AISI 304	–	1121-U139	–

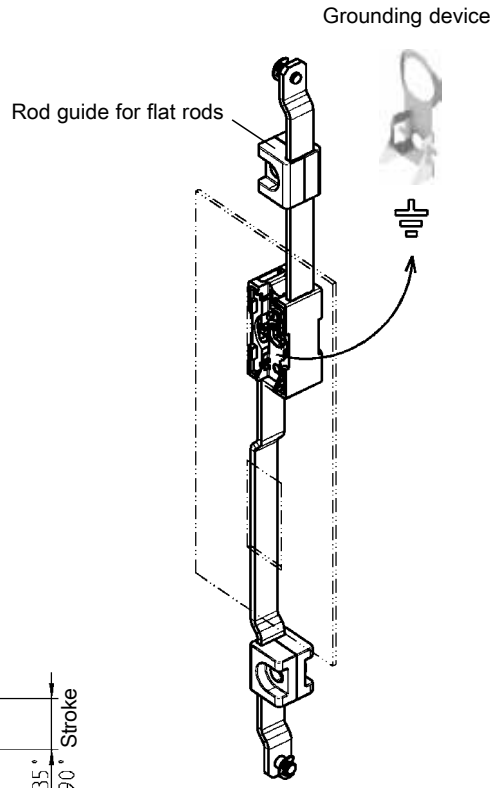
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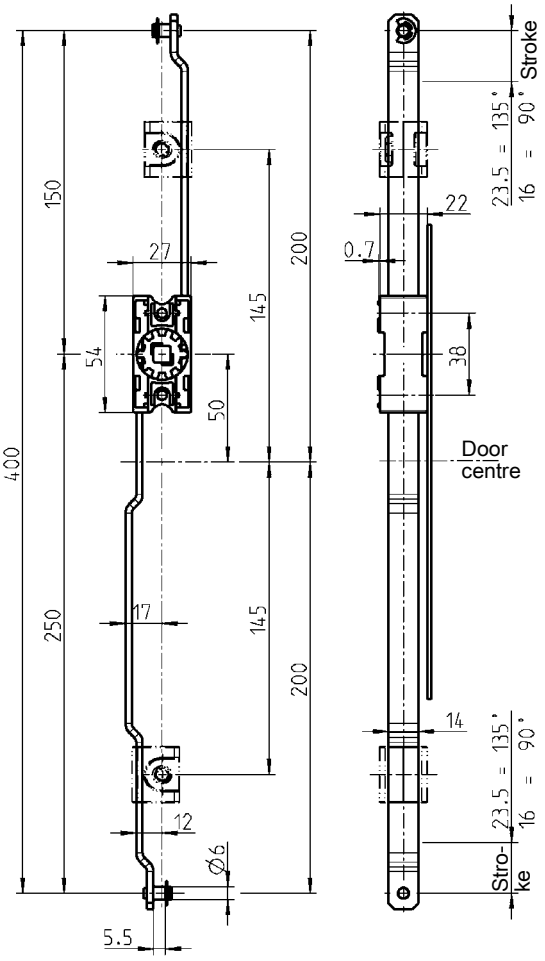
Rod control for round rods

PROGRAM 1125, 1150, 1225, 1325, 2225, 3000

EMKA Beschlagteile









Further parts see page

– Rods	
inside	3ZB-120
– Rod guide	3ZC-120 to 3ZC-170
– Grounding device	3YA-720
– Cam (Swinghandle 1325)	3YA-820 3YA-840

Program 1125

– Escutcheon long	3B-120 3B-180
– Swinghandle	3B-220 3B-420

Program 1150

– Swinghandle 1150	3C-160 3C-720 to 3C-750
– Swinghandle 1153	3C-320

Program 1225

– Escutcheon long	3G-120 3G-180
– Swinghandle	3G-220 3G-420

Program 1325

– Escutcheon	3BA-120
– Swinghandle	3BA-220

Program 2225

– Swinghandle	3J-120

Program 3000

– Swinghandle 1150	3N-110 to 3N-130

Rod control material of choice

Rod control box	Rod	
Zinc die	m.s. zinc-plated	1121-U29-C
Polyamide GF black	Aluminium	1121-U39-C

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Rod control

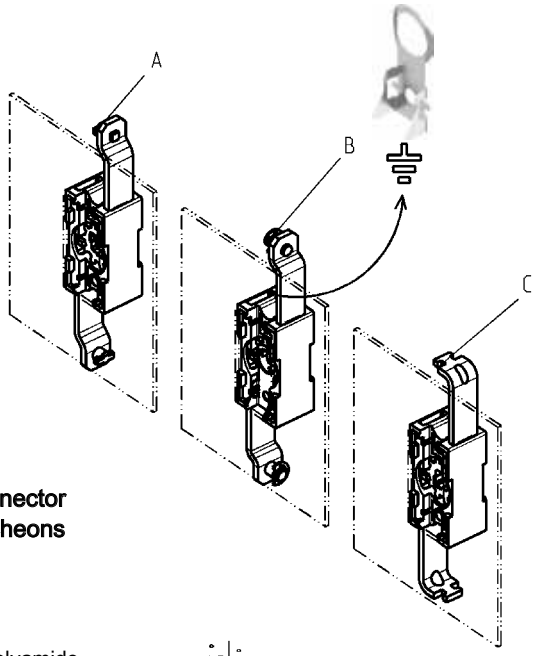
PROGRAM 1125, 1225

EDELSTAHL Rostfrei STAINLESS STEEL

AISI INOX



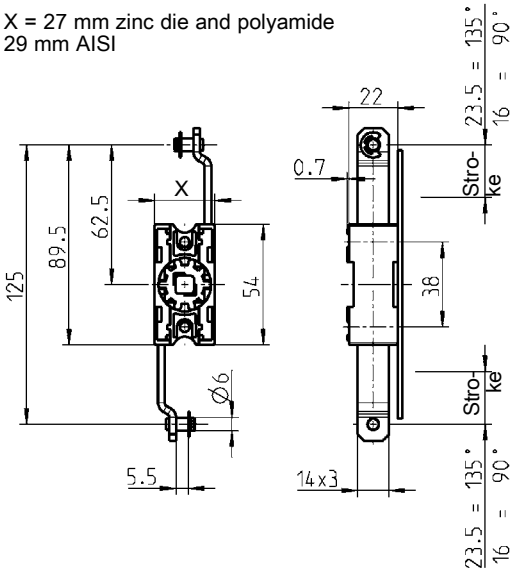
Grounding device



Rod control for short escutcheons

Version B in combination with connector (3YA-180) suitable for long escutcheons and swinghandles

X = 27 mm zinc die and polyamide
29 mm AISI



Rod control with two rods material of choice

Rod control box	Rod	Version A	Version B	Version C
Zinc die	m.s. zinc-plated	1121-U124-C	1121-U1-C	1121-U153-C
Polyamide GF black	AISI 304	–	1121-U177-C	–
Polyamide GF black	Aluminium	–	1121-U37-C	1121-U154-C
AISI 316	AISI 304	–	1121-U138	–

Rod control with one rod

Rod control box	Rod	Version A	Version B	Version C
Polyamide GF black	Aluminium	–	1121-U61-C	–

Rod control without rods, with swing stopper aluminium, turn 90°

Rod control box	Rod	Version A	Version B	Version C
Polyamide GF black	–	–	1121-U60-C	–

Further parts see page
– Rods
inside 3ZB-120, 3ZB-200, 3ZB-220
– Connector 3YA-180
– Grounding device 3YA-720
– Cam 3YA-820

Program 1125
– Escutcheon short 3B-120, 3B-180

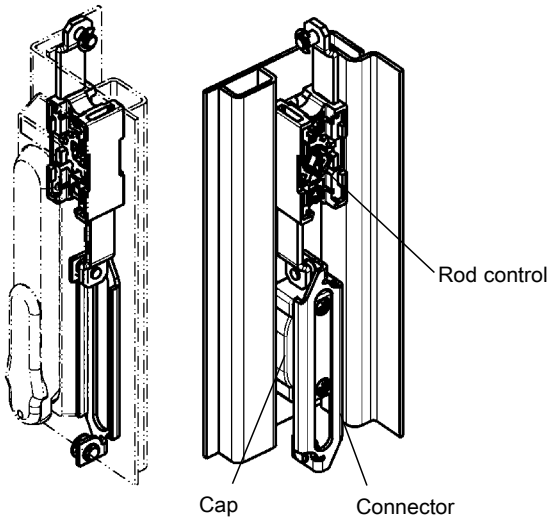
Program 1225
– Escutcheon short 3G-120, 3G-180
– Swinghandle, small version 3G-520

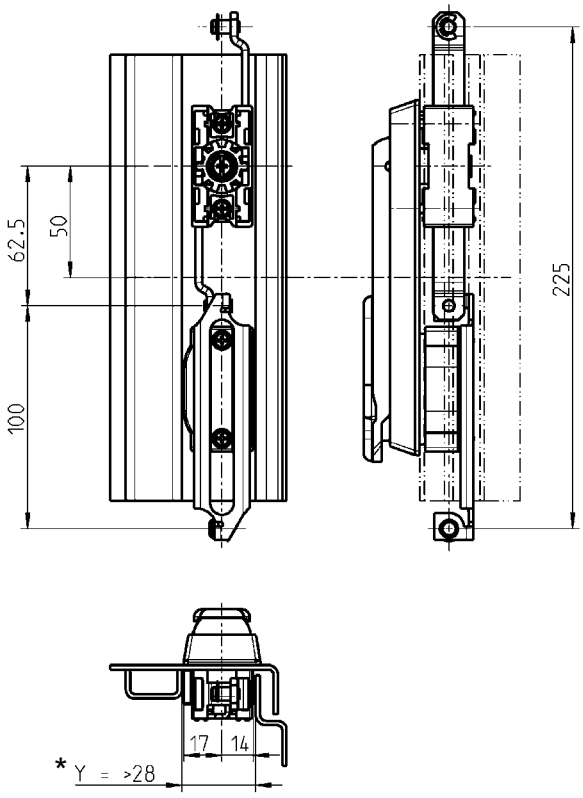
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Items printed in gray without stock

Connector for slim design

PROGRAM 1125, 1225, 1325









By using the connector in combination with a rod control (3YA-160) version B, less width is required. In case of mounting the long escutcheons or the swinghandles, each with cap, the lower and upper rod length is the same.

* In case of a smaller dimension Y, cap with flat seal (without PUR foamed seal) has to be ordered separately on request.

Further parts see page

– Rods	
inside	3ZB-120 3ZB-200 3ZB-220
– Rod control (Version B)	3YA-160
Program 1125	
– Escutcheon long	3B-120 3B-180
– Swinghandle	3B-220 3B-420
Program 1225	
– Escutcheon long	3G-120 3G-180
– Swinghandle	3G-220 3G-420
Program 1325	
– Escutcheon	3BA-120
– Swinghandle	3BA-220

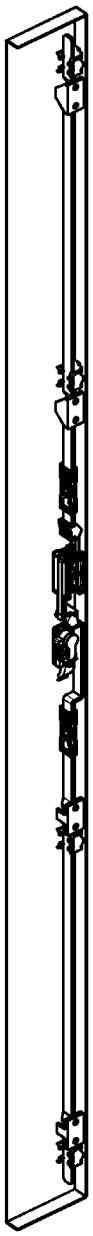
Connector and rivet m.s. zinc-plated, circlip spring steel zinc-plated

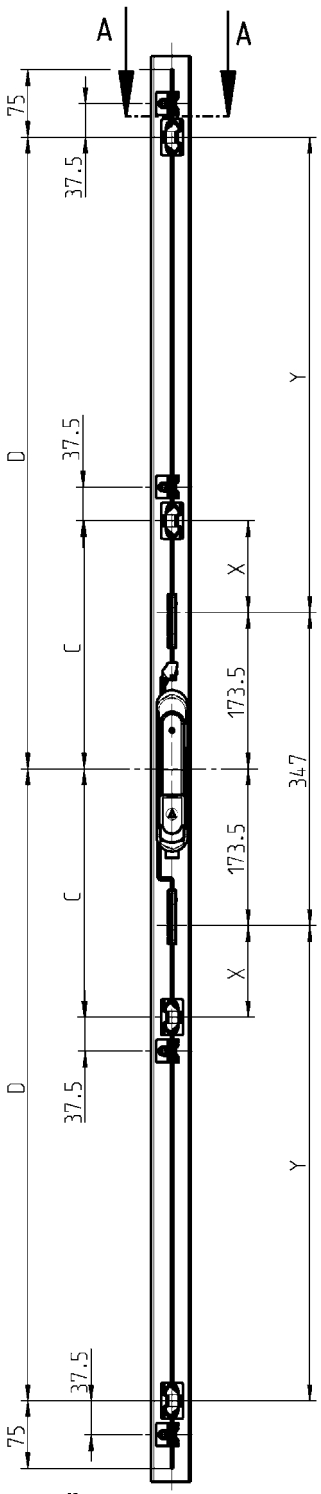
1121-U65

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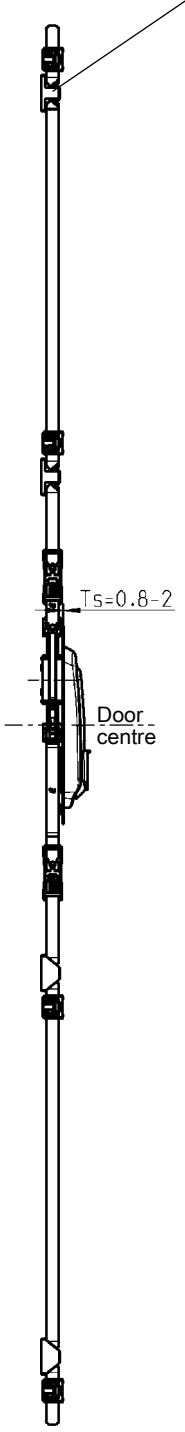
Rod control for flat rods

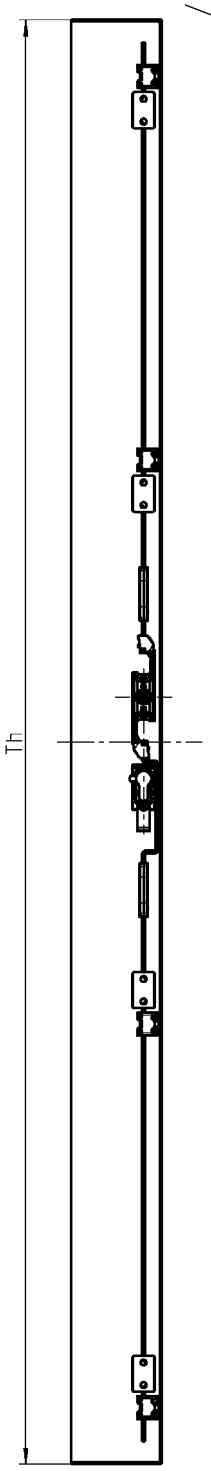
PROGRAM 1125, 1225, 1325, 3000



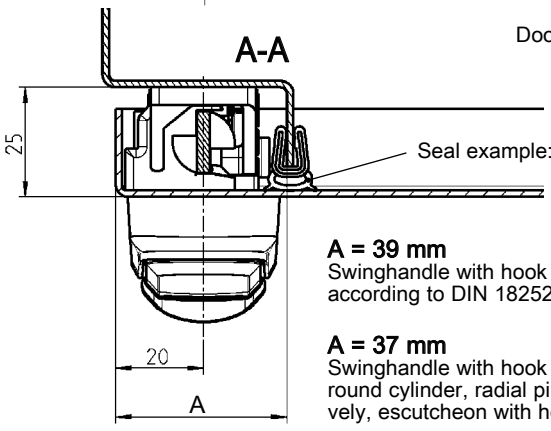


All common locking types can be used.





Door depicted from inside



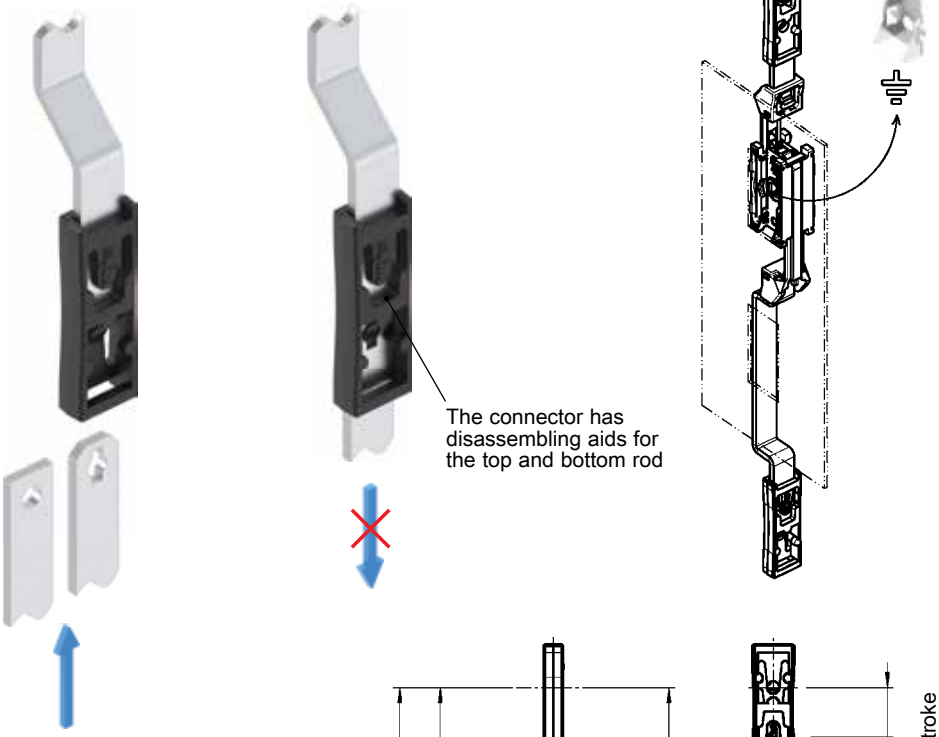
A = 39 mm
Swinghandle with hook and profile cylinder according to DIN 18252.

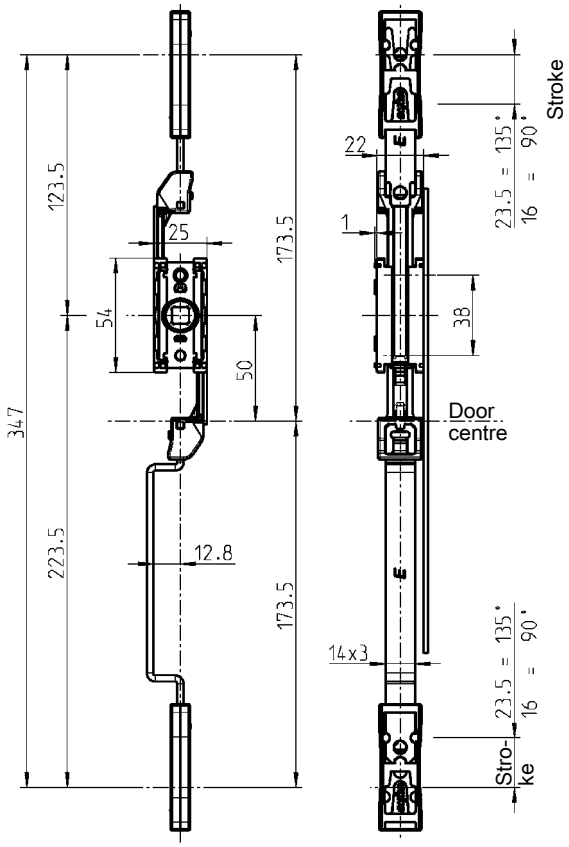
A = 37 mm
Swinghandle with hook and EMKA profile half cylinder with round cylinder, radial pin cylinder, insert or button. Alternatively, escutcheon with hook.



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Quick assembly of the rod





Product benefits

- Slim design
- Very compact design
- Lock length, rod control and stro-ke correspond to 1121-U26-K
- Saves space of up to 8 mm in the bending area
- Patented

This rod control can be used in combination with the swinghandles or the escutcheons with hook of the programs 1125, 1225 and 1325. Swinghandle and escutcheon with cover cannot be used.



① **Note:**
Can only be assembled in cut out version A

① **Note:**
Can only be assembled in certain cut outs.
(similar to cut out 1125)

Further parts see page
– Rods
outside 3ZA-120
inside 3ZB-120
(only flat rods possible)
3ZB-200
3ZB-220

Program 1125
– Escutcheon 1121 3B-120
– Escutcheon 1123 3B-180
– Swinghandle 3B-220

Program 1225
– Escutcheon 1221 3G-120
– Escutcheon 1223 3G-180
– Swinghandle 3G-220

Program 1325 ①
– Escutcheon 1321 3BA-120
– Swinghandle 3BA-220

Program 3000 ②
– Swinghandle 3N-110 to 3N-130

Rod control made of high performance plastics, flat rod m.s. zinc-plated	
	1122-U26-K
Grounding device stainless steel	
	1122-117

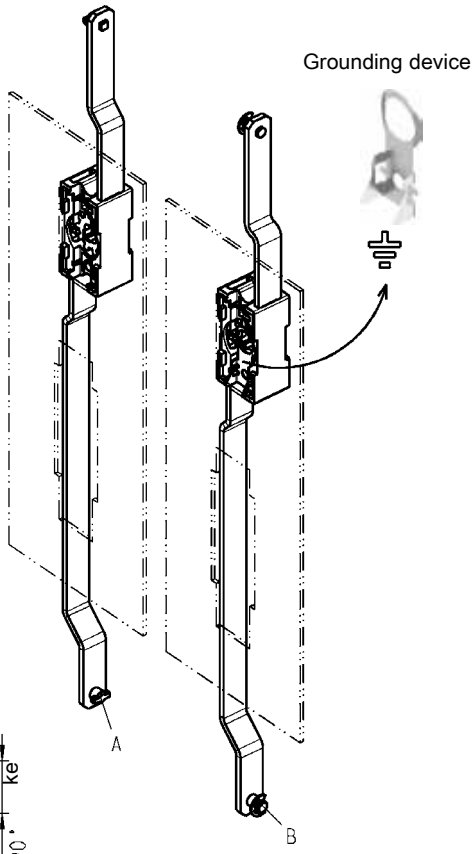
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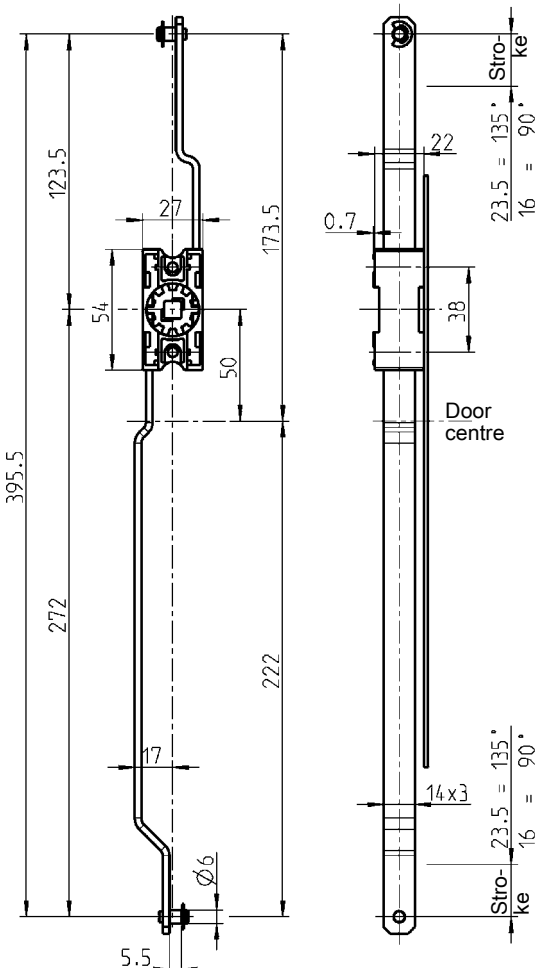
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Rod control for flat rods

PROGRAM 1125







Further parts see page
– Rods

inside	3ZB-120 3ZB-200 3ZB-220
– Grounding device	3YA-720
– Cam	3YA-820

Program 1125

– Swinghandle	3B-320

Rod control material of choice

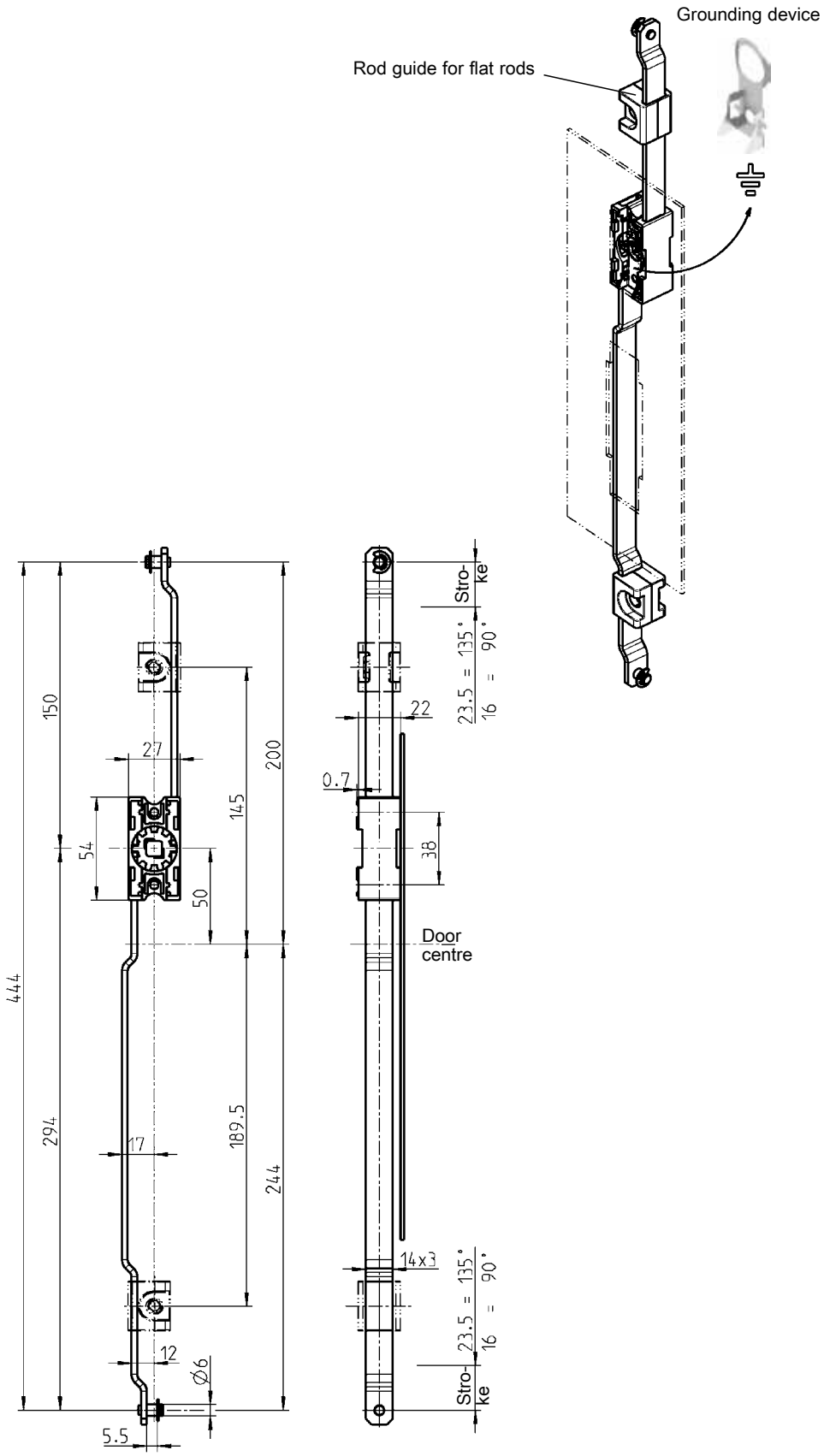
Rod control box	Rod	Version A	Version B
Zinc die	m.s. zinc-plated	1121-U126-C	1121-U51-C
Polyamide GF black	Aluminium	–	1121-U53-C

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Items printed in gray without stock

Rod control for flat rods

PROGRAM 1125





Further parts see page

– Rods	
inside	3ZB-120
– Rod guide	3ZC-120 to 3ZC-170
– Grounding device	3YA-720
– Cam	3YA-820

Program 1125

– Swinghandle	3B-320

Rod control zinc die, rods m.s. zinc-plated

1121-U52-C

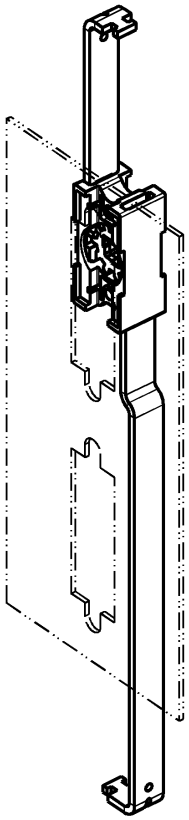
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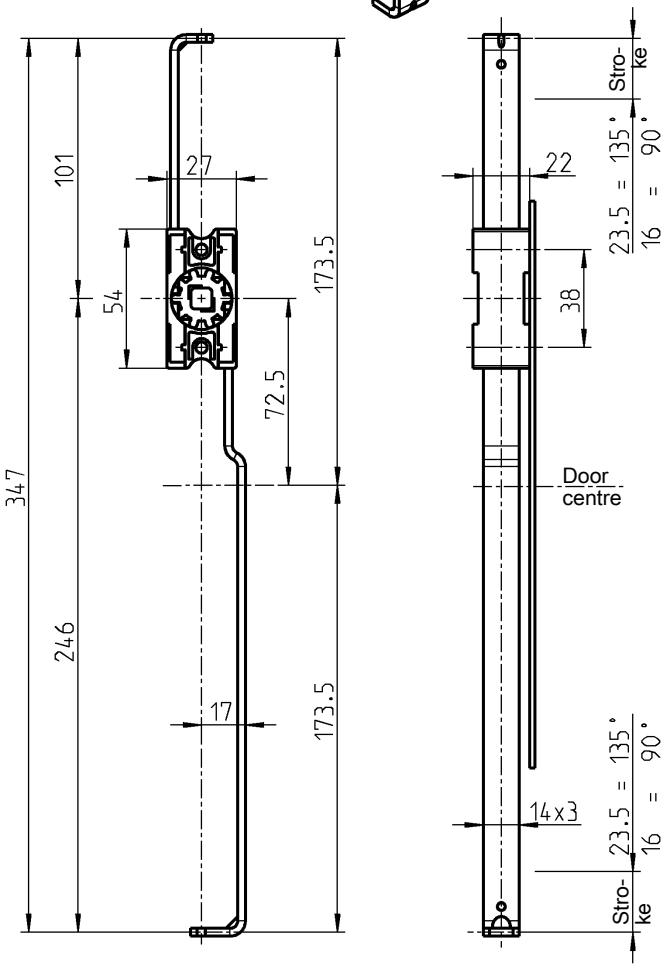
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Rod control for flat rods

PROGRAM 1150







Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-200 3ZB-220
– Cam	3YA-820

Program 1150

– Swinghandle 1151	3C-440

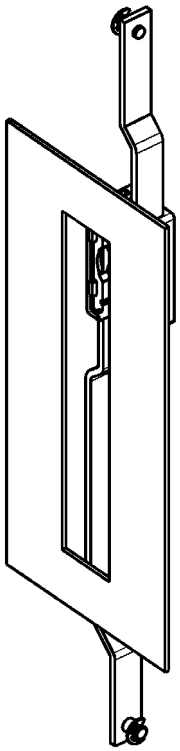
Rod control material of choice	
Zinc die, rods m.s. zinc-plated	2121-U28-C
Polyamide black, rods aluminium	2121-U29-C

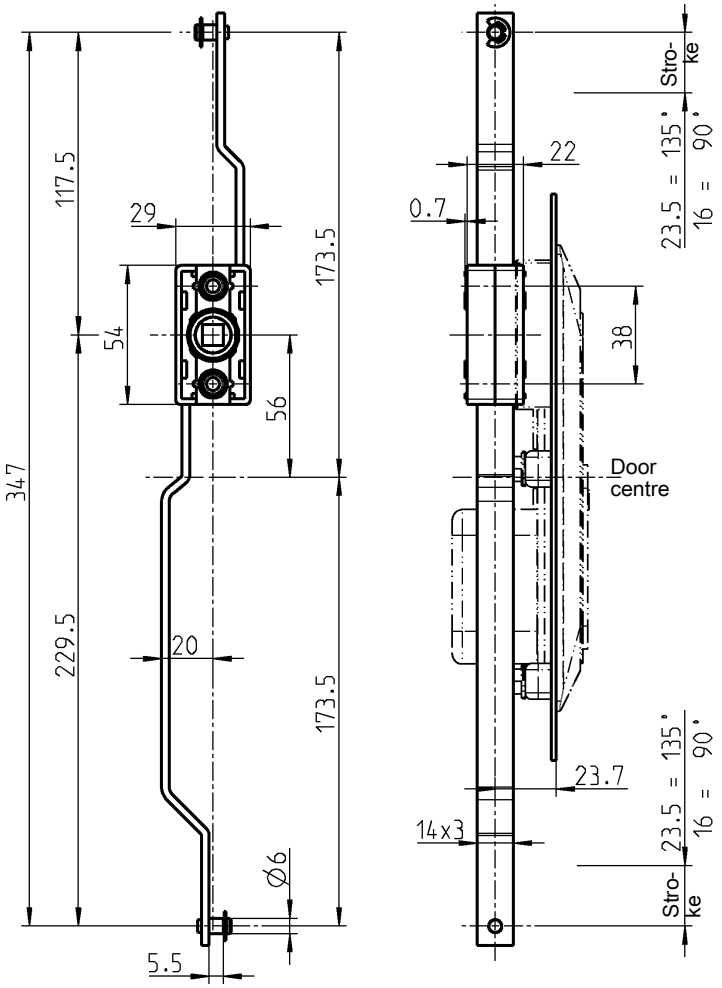
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Items printed in gray without stock

Stainless steel rod control for flat rods

PROGRAM 1150







Further parts see page
– Rods
inside on request

Program 1150
– Swinghandle 1154
with RC2 3C-260

Rod control housing AISI 316, rods AISI 304

1121-U140

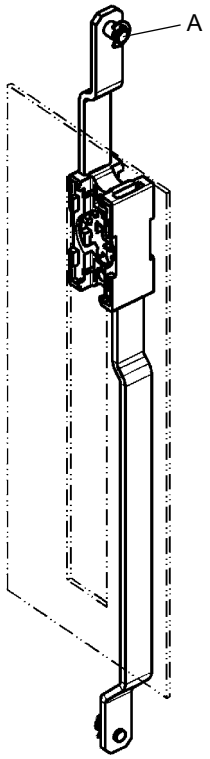
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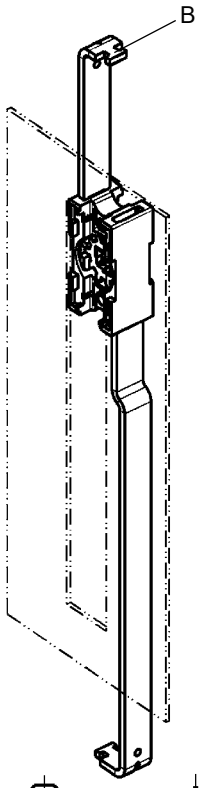
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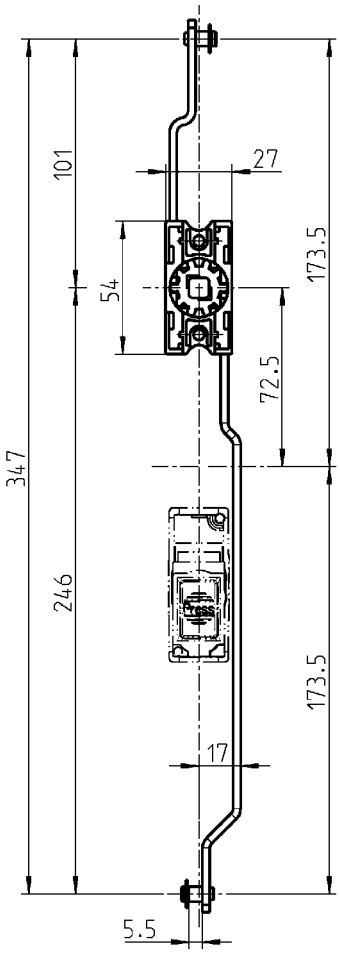
Rod control for flat rods

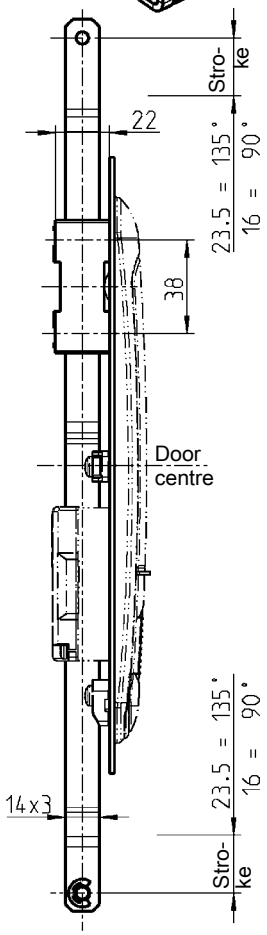
PROGRAM 1180











Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-200 3ZB-220
– Cam	3YA-820

Program 1180

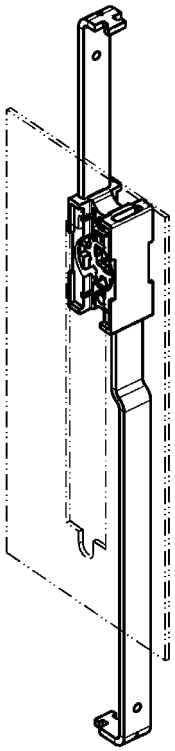
– Swinghandle 1185	3E-520 3E-540

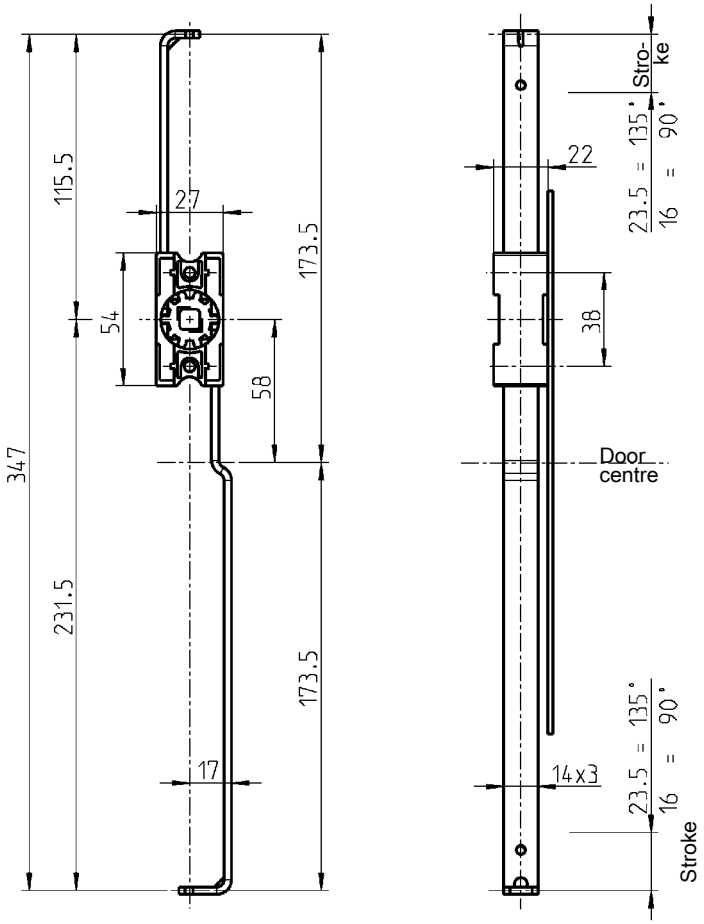
Rod control zinc die, rods m.s. zinc-plated	
Version A	1121-U181-C
Version B	1121-U180-C

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Rod control for flat rods

PROGRAM 2100







Further parts see page

– Rods	
outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-200 3ZB-220
– Cam	3YA-820

Program 2100

– Escutcheon	3H-120 3H-220
– Swinghandle	3H-320 to 3H-420

Rod control material of choice	
Zinc die, rod m.s. zinc-plated	2121-U26-C
Polyamide black, rods aluminium	2121-U27-C

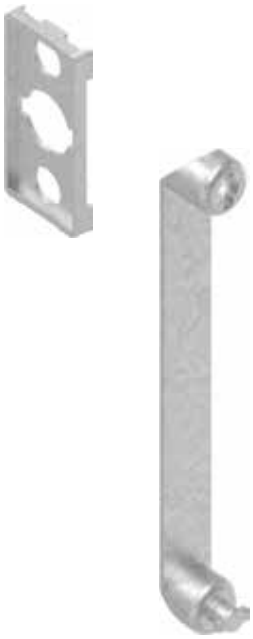
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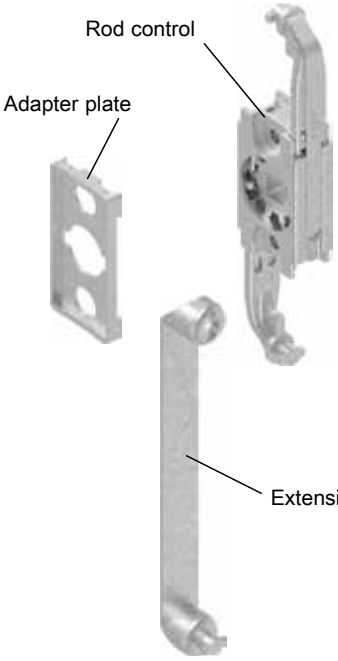
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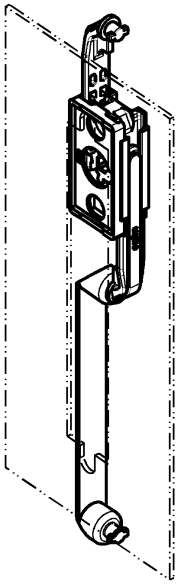
Rod control for flat rods

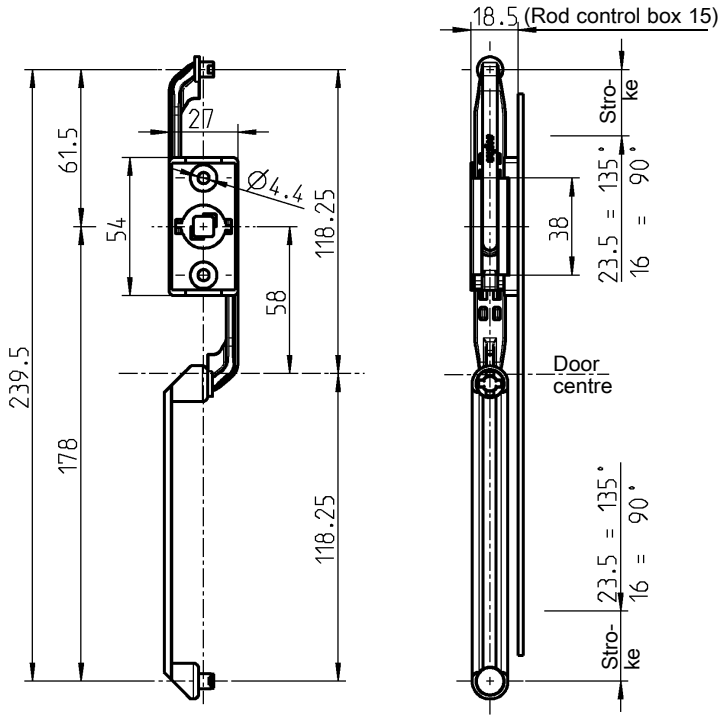
PROGRAM 2100











Further parts see page
– Rods
inside 3ZB-120
3ZB-200
3ZB-220
– Cam 3YA-820

Program 2100
– Escutcheon 3H-120
3H-220
– Swinghandle 3H-320
to 3H-420

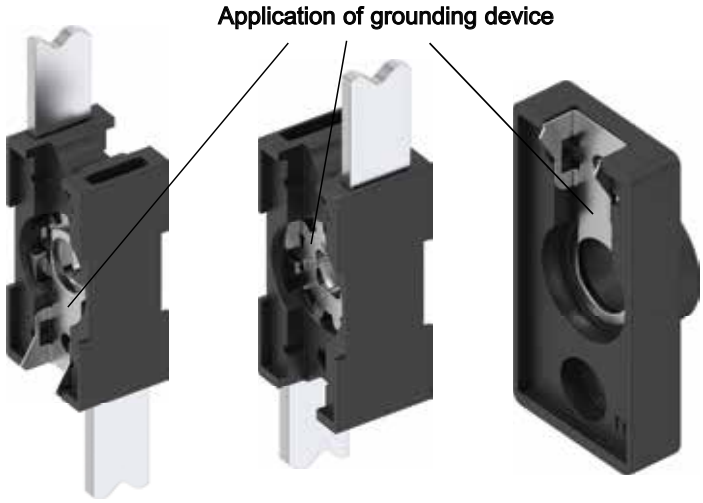
Rod control zinc die	
	2200-U1-C
Adapter plate zinc die zinc-plated	
	2200-05
Extension zinc die zinc-plated	
	2200-06

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Items printed in gray without stock

Grounding device for rod control and bearing bush

PROGRAM 1125, 1150, 1225, 1325, 3000



Rod control front

Rod control rear

Bearing bush





Earthing now also possible with plastic locks!



Assembly of grounding device

The grounding device passed the test according to DIN EN 60439-1/8.2.4.1! The resistance is max. 0.032 Ohm.

Attention:

The grounding device can be used regardless of the material of the rod control!

The grounding device will not change the assembly!

The grounding device can be assembled to the rod control or bearing bush without a tool.

The mechanical figures are unchanged!

Earthing will be achieved upon assembly of the escutcheon or the swinghandle!

Further parts see page

– Rod control 3YA-110 to 3YA-240
– Bearing bush (for Ts 1.0 to 2.0) 3YB-120

Grounding device stainless steel

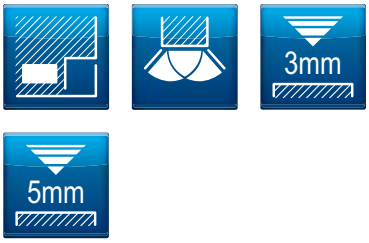
1121-117

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EMKA® Beschlagteile

Cam made of zinc die and steel

PROGRAM 1125, 1150, 1225, 1325, 2100, 3000



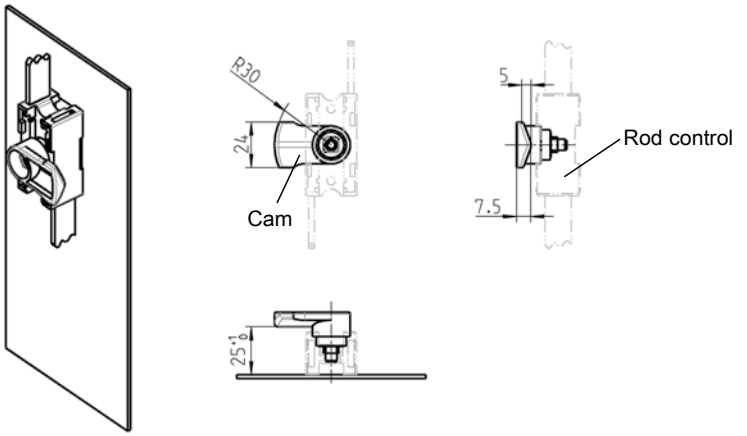






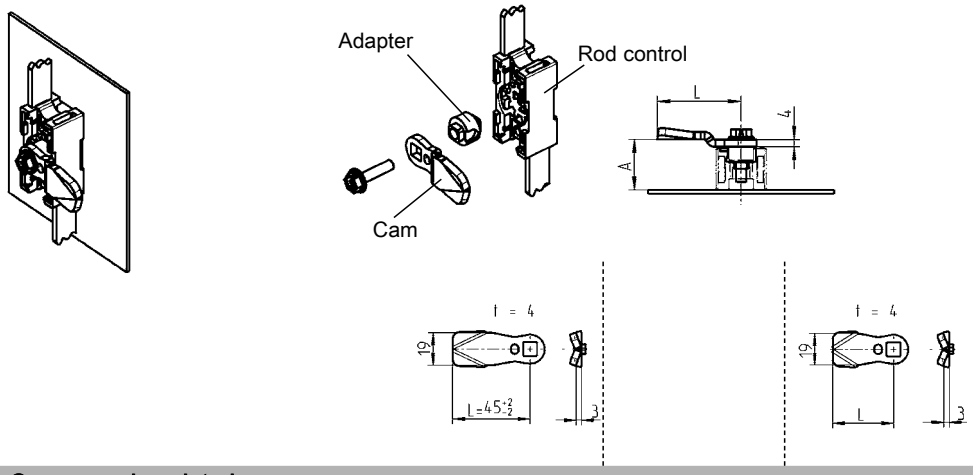


Zinc die cam



Cam zinc die zinc-plated, with screw m.s. zinc-plated	
	1121-U25

Steel cam (only usable with adapter)



Cam m.s. zinc-plated					
A in mm			A	L	
23		1000-17	23	35	1000-5046
25		1000-16	25	35	1000-5161
27		1000-15	27	35	1000-5119
29		1000-14	33	35	1000-5164
30	Attention:	1000-27			
31	These	1000-50			
33	H-dimensions	1000-13			
35	only apply with	1000-28			
37	a rod control	1000-26			
39		1000-12			
40		1000-11			
41		1000-51			
43		1000-52			
45		1000-25			
47		1000-53			
49		1000-54			
50		1000-10			
52		1000-55			
55		1000-56			

Cams with other A- and L-dimensions on request. Minimum quantity: 2000 pieces

Adapter zinc die, screw m.s. zinc-plated	
	1121-U40

Note:
The ramp increases the compression of the latch by 4 mm.

Program 1325:
Works only with escutcheon. Combination with swinghandle see page 3YA-840.

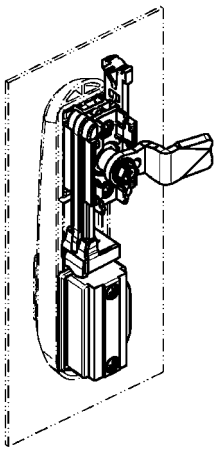
Further parts see page
– Ramp 1C-170

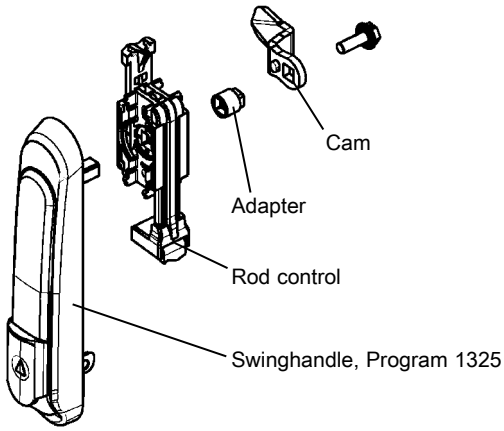
– Rod control 3YA-110 to 3YA-540

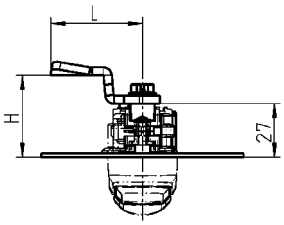
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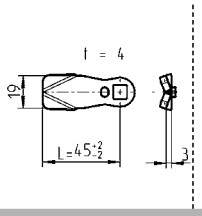
Cam for rod control

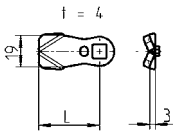
PROGRAM 1325, 2225











Cam m.s. zinc-plated					
H			H	L	
27		1000-17	27	35	1000-5046
29		1000-16	29	35	1000-5161
31		1000-15	31	35	1000-5119
33		1000-14	37	35	1000-5164
34	Attention:	1000-27			
35	These	1000-50			
37	H-dimensions	1000-13			
39	only apply with	1000-28			
41	a rod control	1000-26	Cams with other A- and L-dimensions on request. Minimum quantity: 2000 pieces		
43		1000-12			
44		1000-11			
45		1000-51			
47		1000-52			
49		1000-25			
51		1000-53			
53		1000-54			
54		1000-10			
56		1000-55			
59		1000-56			
Adapter AISI 316 L, screw m.s. zinc-plated					
		1121-U188			







Note:
The ramp increases the compression of the latch by 4 mm.

Program 1325:
Works only with swinghandle.
Combination with escutcheon see page 3YA-820.

Further parts see page

– Ramp	1C-170
– Rod control	3YA-110 3YA-120 3YA-140
Program 1325	
– Swinghandle	3BA-220
Program 2225	
– Swinghandle	3J-120

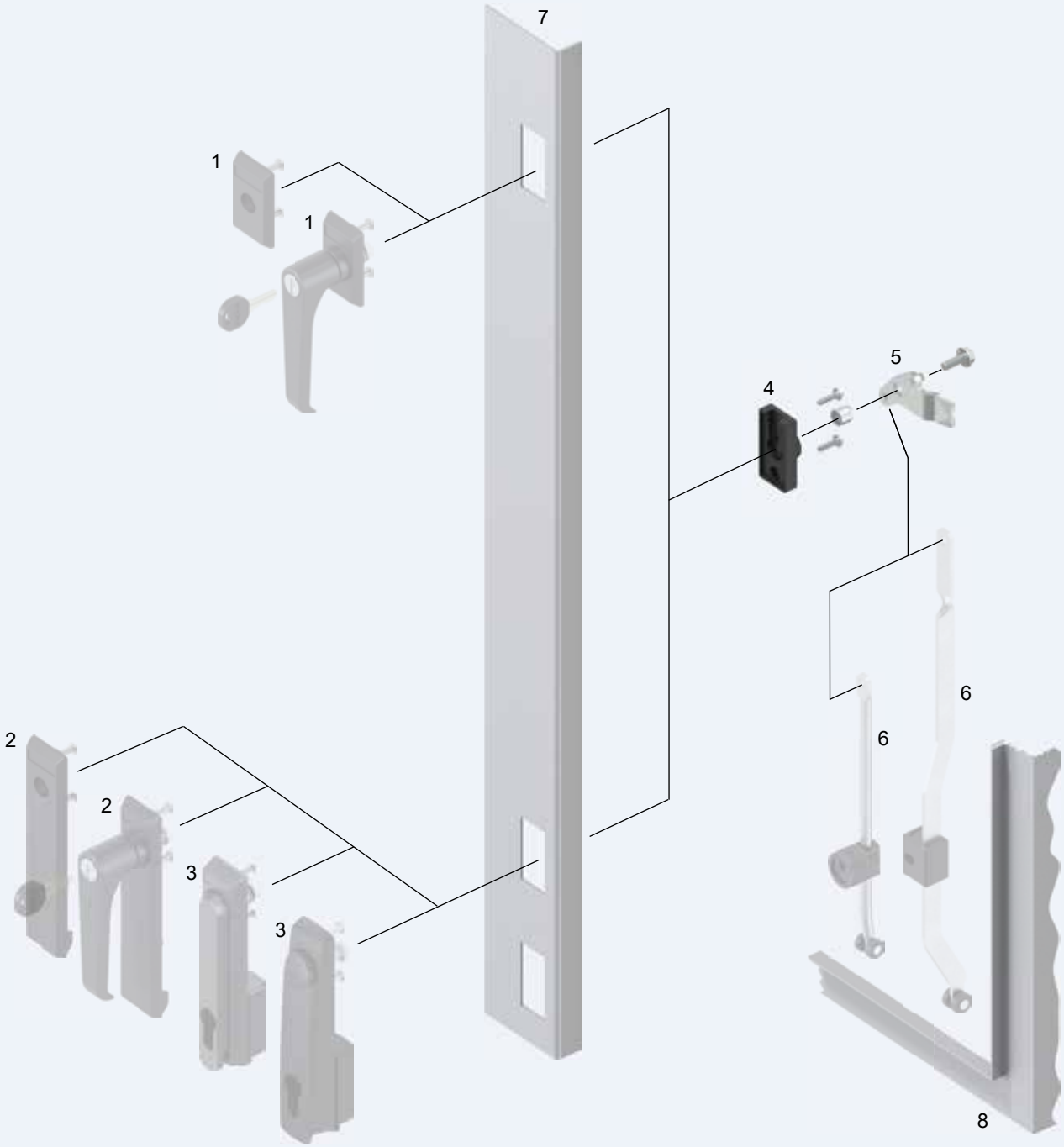
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Notes:

Bearing bush with cam
Program 1125, 1225, 1325, 2100, 3000



1	Escutcheon small	Program 1125, 1225
2	Escutcheon long	Program 1125, 1225, 1325, 2100
3	Swinghandle	Program 1125, 1225, 2100, 3000
4	Bearing bush	3YB-120, 3YB-140
5	Cam	3YB-420, 3YB-440, 3YB-460
6	Rod (inside the sealing)	
7	Door	
8	Housing / Frame	

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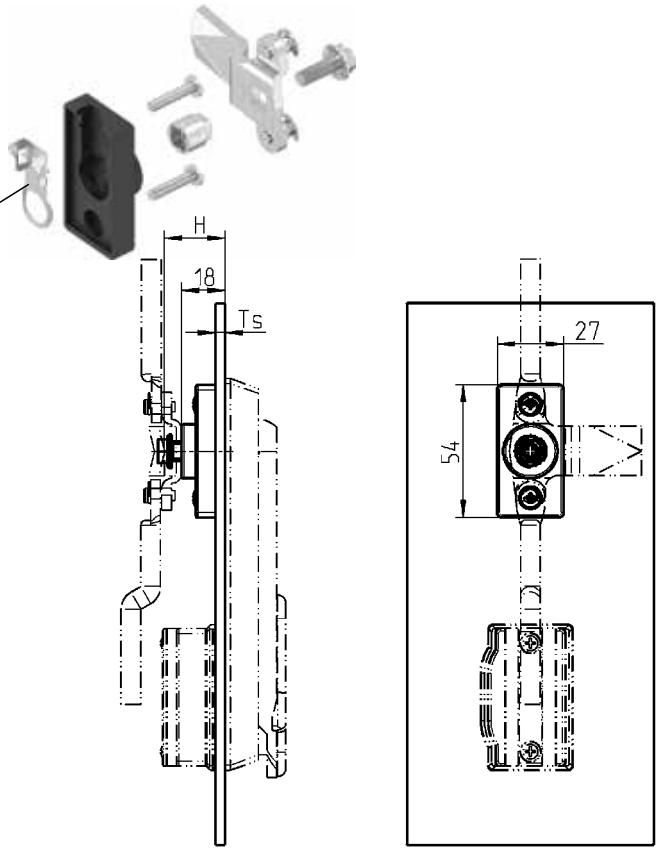
Bearing bush Ts 1.0 – 12.0 mm

PROGRAM 1125, 1225, 1325, 3000

EDELSTAHL Rostfrei STAINLESS STEEL

AISI INOX





Attention: Escutcheons and swinghandles assembled with rear cap can not be used with standard rods!
Special rods on request!

Note:
Grounding device can be used with bearing bushes for Ts = 1.0, 1.5 and 2.0!
(not suitable for Program 3000)

Adapter and fixing material for Program 3000
see catalogue page 3N-120

Further parts see page
- Cam for bearing bush without stopper 3YB-420
- Cam for bearing bush with stopper 3YB-440
- Rod control for cam 3YB-460
- Grounding device (not suitable for Program 3000) 3YA-720

Program 1125
- Escutcheon 1121 3B-120
- Escutcheon 1123 3B-180
- Swinghandle 3B-220, 3B-420

Program 1225
- Escutcheon 1221 3G-120
- Escutcheon 1223 3G-180
- Swinghandle 3G-220, 3G-420, 3G-520

Program 1325
- Escutcheon 1321 3BA-120

Program 3000
- Swinghandle 3N-120

for Ts	without stopper	Escutcheon LH Swinghandle RH with stopper	Escutcheon RH Swinghandle LH with stopper
Bearing bush polyamide GF black			
1.0	1125-81-010	1125-83-010	1125-84-010
1.5	1125-81-015	1125-83-015	1125-84-015
2.0	1125-81-020	1125-83-020	1125-84-020
2.5	1125-81-025	1125-83-025	1125-84-025
3.0	1125-81-030	1125-83-030	1125-84-030
4.0	1125-81-040	1125-83-040	1125-84-040
5.0	1125-81-050	1125-83-050	1125-84-050
6.0	1125-81-060	1125-83-060	1125-84-060
8.0	1125-81-080	on request	on request
10.0	1125-81-100	on request	on request
11.0	1125-81-110	on request	on request
12.0	1125-81-120	–	–
Bearing bush zinc die zinc-plated			
2.0	1125-81-020QA	–	–
Bearing bush AISI 316			
2.0	1125-81-020PH	–	–

Order extra: (not suitable for program 3000, see note)
Adapter AISI 316L, fixing material m.s. zinc-plated or stainless steel

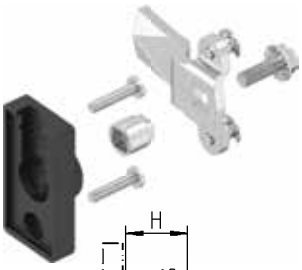
Program 1125, 1225, 1325		Ts 1.0 – 3.0	Ts 4.0 – 6.0	Ts 8.0 – 12.0
m.s.	Swinghandle	1125-U284	1125-U284	1125-U285
m.s.	Escutcheon	1125-U286	1125-U287	1125-U288
AISI	Swinghandle	1125-U284-PH	–	–
AISI	Escutcheon	1125-U286-PH	–	–

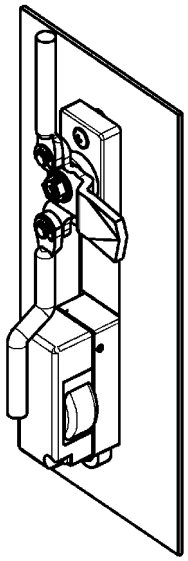
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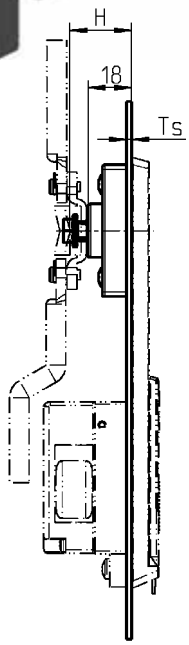
Items printed in gray without stock

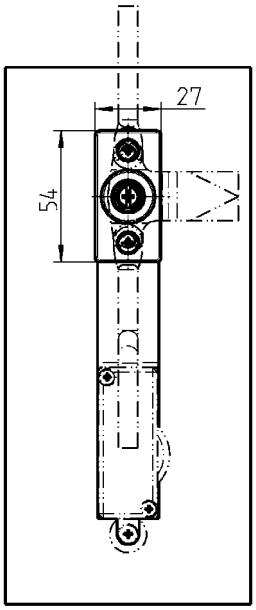
Bearing bush Ts 1.0 – 12.0 mm

PROGRAM 2100











Attention: Swinghandles can not be used with standard round rods!
Special rods on request!

Bearing bush polyamide GF black

for Ts	without stopper	Escutcheon LH Swinghandle RH with stopper	Escutcheon RH Swinghandle LH with stopper
1.0	1125-81-010	1125-83-010	1125-84-010
1.5	1125-81-015	1125-83-015	1125-84-015
2.0	1125-81-020	1125-83-020	1125-84-020
2.5	1125-81-025	1125-83-025	1125-84-025
3.0	1125-81-030	1125-83-030	1125-84-030
4.0	1125-81-040	1125-83-040	1125-84-040
5.0	1125-81-050	1125-83-050	1125-84-050
6.0	1125-81-060	1125-83-060	1125-84-060
8.0	1125-81-080	on request	on request
10.0	1125-81-100	on request	on request
11.0	1125-81-110	on request	on request
12.0	1125-81-120	–	–

Order extra:
Adapter AISI 316L, fixing material m.s. zinc-plated

for Ts 1.0 - 12.0	1125-U286

Further parts see page
– Cam for bearing bush without stopper 3YB-420
– Cam for bearing bush with stopper 3YB-440
– Rod control for cam 3YB-460

Program 2100
– Escutcheon 2150 3H-120
– Escutcheon 2153 3H-220
– Swinghandle 3H-320 to 3H-420

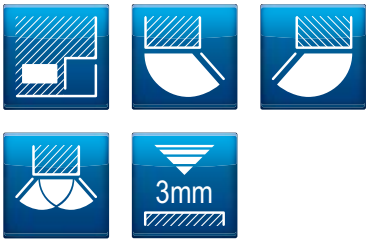
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Cams for bearing bush without stopper

PROGRAM 1125, 1225, 1325, 2100, 3000





Further parts see page
– Ramp 1C-170
– Rod
inside 3ZB-120
– Bearing bush 3YB-120
3YB-140

Version A



Version B



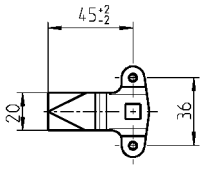
Note:
The ramp increases the compression of the latch by 4 mm.

Further parts see page
– Ramp 1C-170

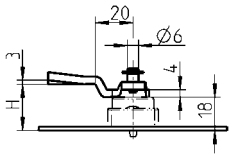
Program 1125, 1225, 1325, 3000
– Rod
inside 3ZB-420
– Bearing bush 3YB-120

Program 2100
– Rod
inside 3ZB-820
– Bearing bush 3YB-140

Cam with rod control
Stroke 18 mm

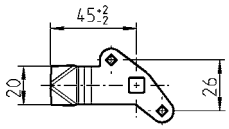


Note:
The ramp increases the compression of the latch by 4 mm.

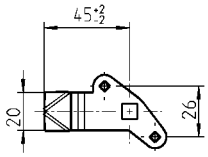


Cam m.s. zinc-plated						
H		H		H		
18	1107-U119	30	1107-U124	42	1107-U131	
20	1107-U120	32	1107-U125	44	1107-U132	
22	1107-U5	34	1107-U126	45	1107-U133	
24	1107-U121	35	1107-U127	47	1107-U134	
25	1107-U122	36	1107-U128	50	1107-U135	
26	1107-U123	38	1107-U129			
28	1107-U6	40	1107-U130			
Rod control m.s. zinc-plated						
						1107-U88

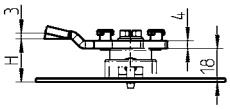
Cam with rod control
Stroke 26 mm

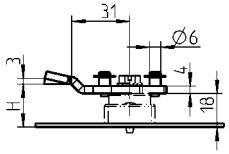


Version A: Cam with T rivets



Version B: Cam with round rivets





Version A: Cam m.s. zinc-plated					
H	Right	Left	H	Right	Left
23	1000-U544-23	1000-U545-23	31	1000-U544-31	1000-U545-31
25	1000-U544-25	1000-U545-25	35	1000-U544-35	1000-U545-35
27	1000-U544-27	1000-U545-27	38	1000-U544-38	1000-U545-38
29	1000-U544-29	1000-U545-29			
Rod control m.s. zinc-plated					
					1000-U632

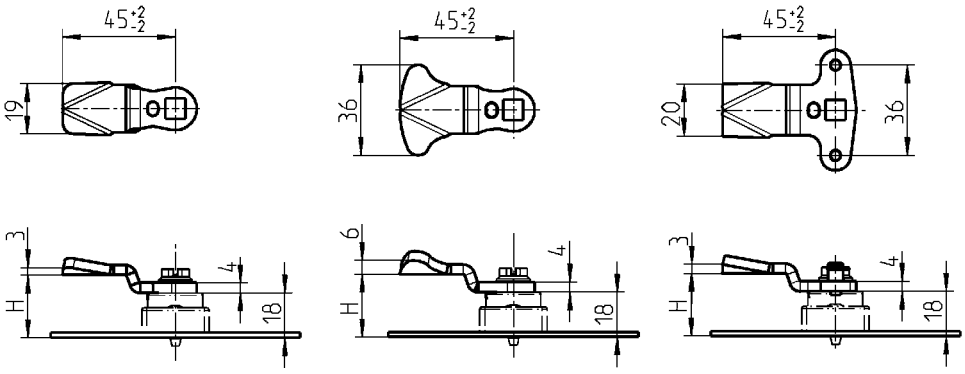
Version B: Cam m.s. zinc-plated					
H	Right	Left	H	Right	Left
23	1000-U661-23	1000-U662-23	31	1000-U661-31	1000-U662-31
25	1000-U661-25	1000-U662-25	35	1000-U661-35	1000-U662-35
27	1000-U661-27	1000-U662-27	38	1000-U661-38	1000-U662-38
29	1000-U661-29	1000-U662-29	40	1000-U661-40	1000-U662-40
Rod control m.s. zinc-plated					
					1000-U663

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Cams for bearing bush with stopper

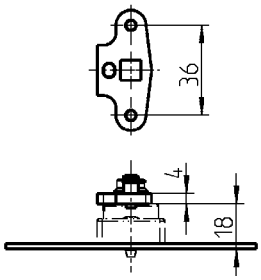
PROGRAM 1125, 1225, 1325, 2100, 3000

Cam with rod control
Stroke 18 mm

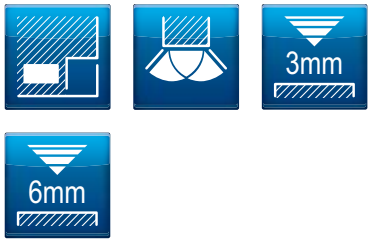


Cam m.s. zinc-plated		Cam m.s. zinc-plated		Cam m.s. zinc-plated	
H		H		H	
18	1000-17	18	1000-293	18	1000-U26
20	1000-16	20	1000-294	20	1000-U27
22	1000-15	22	1000-295	22	1000-U28
24	1000-14	24	1000-296	24	1000-U29
25	1000-27	25	1000-297	25	1000-U30
26	1000-50	26	1000-298	26	1000-U31
28	1000-13	28	1000-299	28	1000-U32
30	1000-28	30	1000-300	30	1000-U33
32	1000-26	32	1000-301	32	1000-U34
34	1000-12	34	1000-302	34	1000-U35
35	1000-11	35	1000-303	35	1000-U36
36	1000-51	36	1000-304	36	1000-U37
38	1000-52	38	1000-305	38	1000-U38
40	1000-25	40	1000-306	40	1000-U39
42	1000-53	42	1000-307	42	1000-U40
44	1000-54	44	1000-308	44	1000-U41
45	1000-10	45	1000-309	45	1000-U42
47	1000-55	47	1000-310	47	1000-U43
50	1000-56	50	1000-311	50	1000-U44

Cam with rod control
Stroke 18 mm



Rod control m.s. zinc-plated	
	1000-U167





Note:
The ramp increases the compression of the latch by 4 mm.

Further parts see page

– Ramp	1C-170
– Rod inside	3ZB-120
– Bearing bush	3YB-120 3YB-140

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Rod control for cam

PROGRAM 1125, 1225, 1325, 2100, 3000

AISI INOX

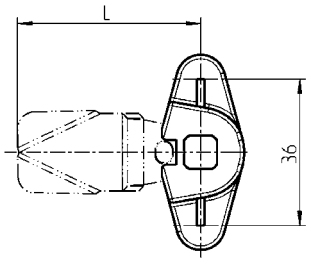
EDELSTAHL Rostfrei STAINLESS STEEL

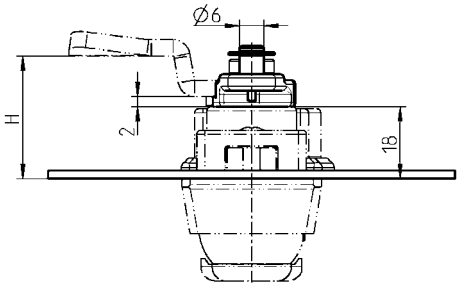






Stroke 18 mm





Attention:
By using the rod control the H-dimension of the cam increases by 2 mm

Note:
The ramp increases the compression of the latch by 4 mm.

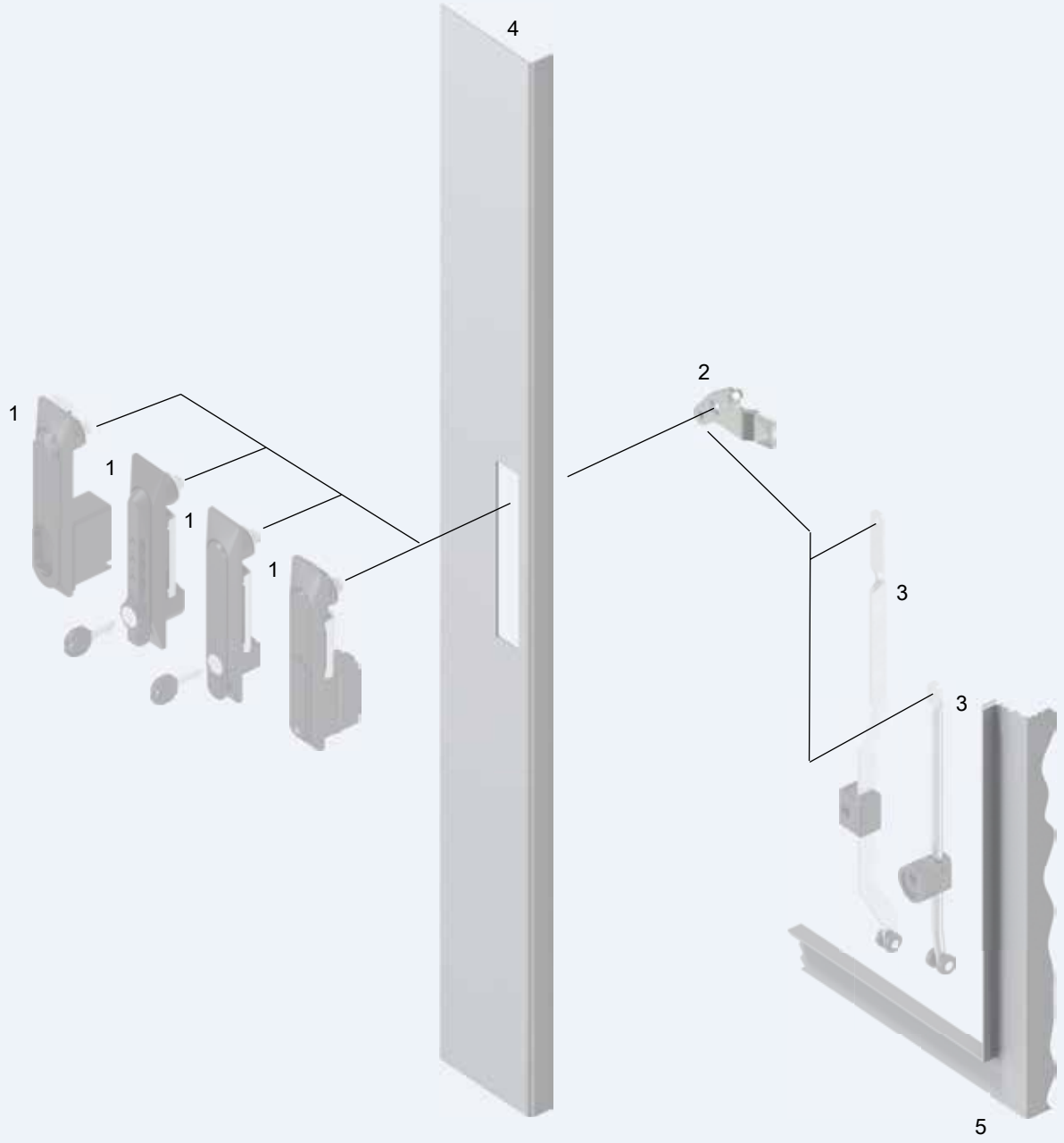
Further parts see page

– Cam (GH = 18)	1C-120
– Ramp	1C-170
– Rod	
inside	3ZB-120
– Bearing bush	3YB-120 3YB-140

Rod control zinc die zinc-plated, circlip m.s. zinc-plated	
	1107-U246
Rod control AISI 316	
	1107-U246-PH

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Cam
Program 1091, 1107, 1125, 1150, 1180, 1225, 1317, 1325, 2225



1	Swinghandle	Program 1107, 1125, 1150, 1180, 1225, 1317, 1325, 2225
2	Cam	3YC-120, 3YC-140, 3YC-180
3	Rod (inside the sealing)	
4	Door	
5	Housing / Frame	

EMKA® Beschlagteile

Cam

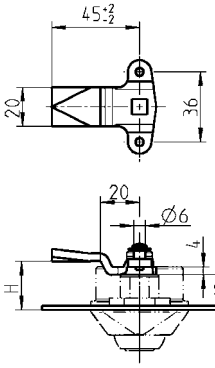
PROGRAM 1107, 1125, 1150, 1180, 1317, 1325, 2225



Cam with rod control
Stroke 18 mm

Attention:
Not suitable for Program 1150 and 2225!





Further parts see page
– Ramp 1C-170

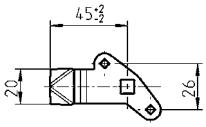
Program 1107, 1317
– Rod
inside from 3ZB-120
– Swinghandle 1107 3A-120 to 3A-420
– Swinghandle 1317 3AB-120 to 3AB-160

Program 1125
– Rod on request
– Swinghandle (Version B) 3B-320

Cam m.s. zinc-plated							
H		H		H		H	
4	1107-U112	18	1107-U119	30	1107-U124	42	1107-U131
6	1107-U113	20	1107-U120	32	1107-U125	44	1107-U132
8	1107-U114	22	1107-U5	34	1107-U126	45	1107-U133
10	1107-U115	24	1107-U121	35	1107-U127	47	1107-U134
13	1107-U116	25	1107-U122	36	1107-U128	50	1107-U135
14	1107-U117	26	1107-U123	38	1107-U129		
16	1107-U118	28	1107-U6	40	1107-U130		
Rod control m.s. zinc-plated							
							1107-U88

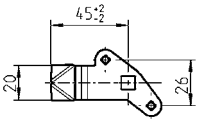
Cam with rod control
Stroke 26 mm



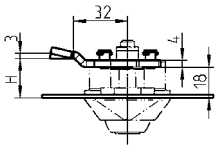


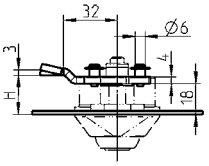
Version A: Cam with T rivets





Version B: Cam with round rivets





Further parts see page
– Ramp 1C-170

Program 1107, 1317
– Rod
inside 3ZB-320
– Swinghandle 1107 3A-120 to 3A-420
– Swinghandle 1317 3AB-120 to 3AB-160

Program 1125
– Rod
inside 3ZB-440
– Swinghandle (Version B) 3B-320

Program 1150
– Rod
inside for swinghandle (3C-140, 3C-620 to 3C-750) 3ZB-520
inside for swinghandle (3C-160, 3C-220, 3C-260 to 3C-320) 3ZB-540
– Swinghandle 3C-140 to 3C-320 3C-620 to 3C-750

Program 1180
– Rod
inside 3ZB-620
– Swinghandle 1185 3E-520 3E-540

Program 1325
– Rod
inside 3ZB-420
– Swinghandle 3BA-220

Program 2225
– Rod
inside 3ZB-540
– Swinghandle 3J-120

Version A: Cam m.s. zinc-plated					
H	Right	Left	H	Right	Left
23	1000-U544-23	1000-U545-23	31	1000-U544-31	1000-U545-31
25	1000-U544-25	1000-U545-25	35	1000-U544-35	1000-U545-35
27	1000-U544-27	1000-U545-27	38	1000-U544-38	1000-U545-38
29	1000-U544-29	1000-U545-29			
Rod control m.s. zinc-plated					
					1000-U632

Version B: Cam m.s. zinc-plated					
H	Right	Left	H	Right	Left
23	1000-U661-23	1000-U662-23	31	1000-U661-31	1000-U662-31
25	1000-U661-25	1000-U662-25	35	1000-U661-35	1000-U662-35
27	1000-U661-27	1000-U662-27	38	1000-U661-38	1000-U662-38
29	1000-U661-29	1000-U662-29	40	1000-U661-40	1000-U662-40
Rod control m.s. zinc-plated					
					1000-U663

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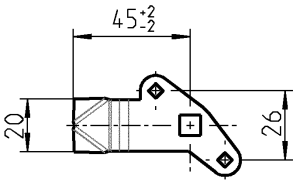
Items printed in gray without stock

Cam

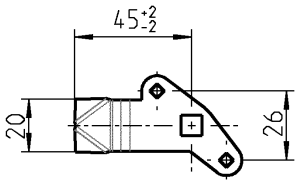
PROGRAM 1125, 1150, 1180, 1225

Cam with rod control
Stroke 26 mm

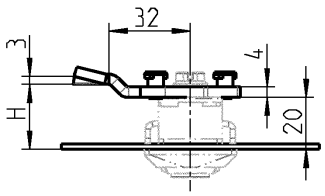
Program 1150, 1180

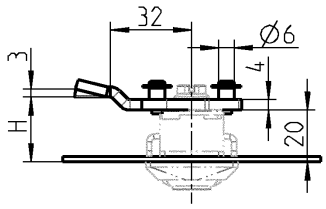


Version A: Cam with T rivets



Version B: Cam with round rivets



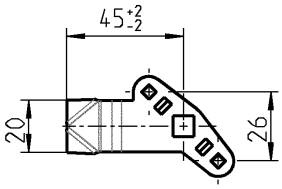


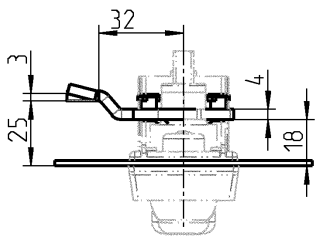
Version A: Cam m.s. zinc-plated					
H	**Right**	**Left**	**H**	**Right**	**Left**
25	1000-U544-23	1000-U545-23	33	1000-U544-31	1000-U545-31
27	1000-U544-25	1000-U545-25	37	1000-U544-35	1000-U545-35
29	1000-U544-27	1000-U545-27	40	1000-U544-38	1000-U545-38
31	1000-U544-29	1000-U545-29			
Rod control m.s. zinc-plated					
		1000-U632			

Version B: Cam m.s. zinc-plated					
H	**Right**	**Left**	**H**	**Right**	**Left**
25	1000-U661-23	1000-U662-23	33	1000-U661-31	1000-U662-31
27	1000-U661-25	1000-U662-25	37	1000-U661-35	1000-U662-35
29	1000-U661-27	1000-U662-27	40	1000-U661-38	1000-U662-38
31	1000-U661-29	1000-U662-29	42	1000-U661-40	1000-U662-40
Rod control m.s. zinc-plated					
		1000-U663			

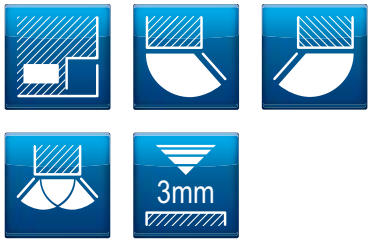
Cam with rod control
Stroke 26 mm

Program 1125, 1225





Version B: Cam m.s. zinc-plated		
H	**Right**	**Left**
25	1107-U242-25	1107-U243-25





Further parts see page
– Ramp 1C-170

Program 1150
– Rod
inside for swinghandle 1150 (3C-120) 3ZB-520
inside for swinghandle 1151 (3C-420) 3ZB-540
– Swinghandle 1150 3C-120
– Swinghandle 1151 3C-420

Program 1180
– Rod
inside 3ZB-620
– Swinghandle 1180 3E-320



Further parts see page
– Ramp 1C-170

Program 1125
– Rod
inside 3ZB-440
– Swinghandle (Version C) 3B-320

Program 1225
– Rod
inside 3ZB-720
– Swinghandle 3G-320

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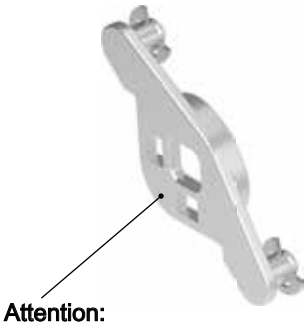
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Rod control for cam

PROGRAM 1091, 1107, 1125 , 1150, 1317, 1325



Attention:
By using the rod control
the H-dimension of the cam
increases by 2 mm



Attention:
Only rod with eye can be used!

Further parts see page

– Cam (GH = 18)	1C-120
– Ramp	1C-170
– Rod inside (see note)	3ZB-120

Program 1107, 1317

– Swinghandle 1107	3A-120 to 3A-220
– Swinghandle 1317	3AB-120 to 3AB-160

Program 1125, 1325

– Swinghandle 1125 (version B)	3B-320
– Swinghandle 1325	3BA-220

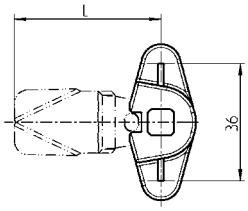
Program 1150

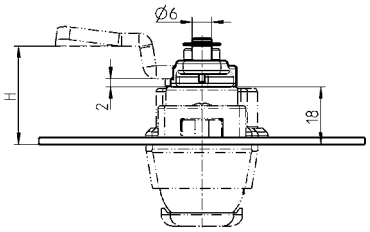
– Swinghandle 1154	3C-220
– Swinghandle 1154 with RC2	3C-260

EDELSTAHL Rost frei STAINLESS STEEL



Stroke 18 mm





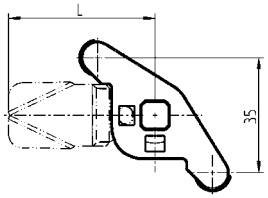
Note:
Connecting rod for rod control combined with swinghandle 1125 double cylinder version B and swinghandle 1154 with RC2 on request only!

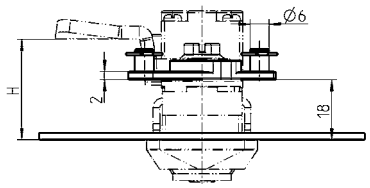
Rod control zinc die zinc-plated, circlip m.s. zinc-plated	
	1107-U246
Rod control AISI 316	
	1107-U246-PH

EDELSTAHL Rost frei STAINLESS STEEL



Stroke 35 mm





Note:
Connecting rod for rod control combined with swinghandle 1125 double cylinder version B and swinghandle 1154 with RC2 on request only!

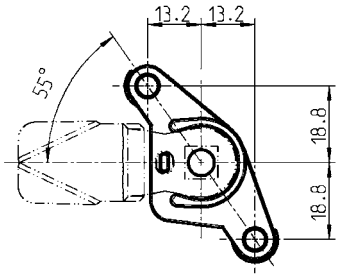
Rod control AISI 316	
	1150-U57

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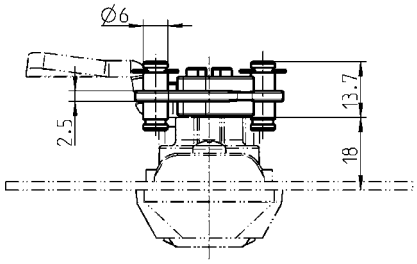
Rod control for cam

PROGRAM 1150, 1325, 2225

Only cams with stopper made of steel and stainless steel can be used.



Stroke 32 mm



Swinghandle 1325 with adapter for cam



Swinghandle 1150 with universal dish







Attention:
Only cams with stopper made of steel and stainless steel can be used.

Note:
When using the rod control for cam, the screw-in depth of the screw is reduced by 2.5 mm

Further parts see page

– Cam (GH = 18) 1C-120
– Ramp 1C-170
– Rod for 1150
inside 3ZB-520
Attention: The rod length is reduced by 5.8 mm, as the stroke is 32 mm

– Rod for 1325
inside 3ZB-420
Attention: The rod length is reduced by 5.8 mm, as the stroke is 32 mm

– Rod for 2225
inside 3ZB-540
Attention: The rod length is reduced by 5.8 mm, as the stroke is 32 mm

Program 1150 with universal dish
– Swinghandle 1150 3C-720 to 3A-780

Program 1325 with adapter for cam
– Swinghandle 1325 3BA-220

Program 2225 with adapter for cam
– Swinghandle 2225 3J-120

Rod control zinc die zinc-plated; circlip m.s. zinc-plated; with additional locking screw m.s. zinc-plated	
for swinghandle 1150 with universal dish	1150-U63-01
for swinghandle 1325 or 2225 with adapter for cam	1150-U63-02

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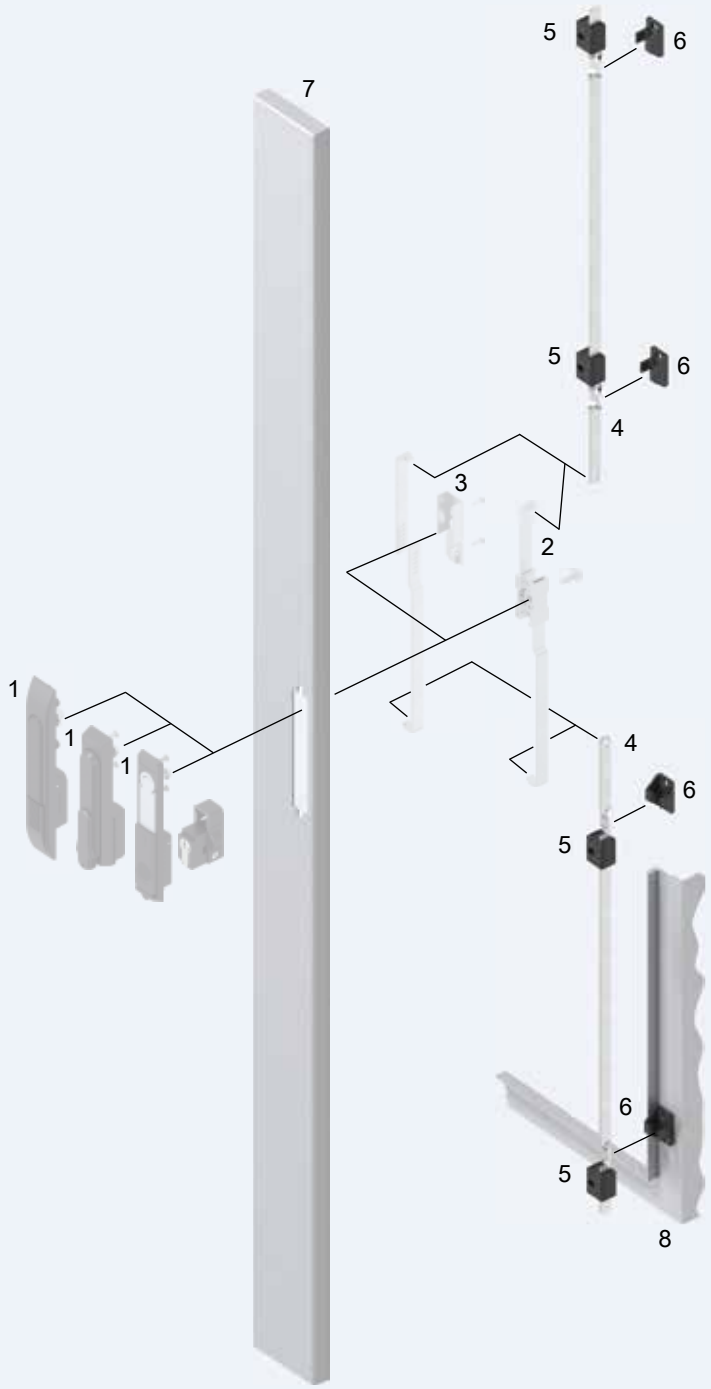
Items printed in gray without stock

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Notes:

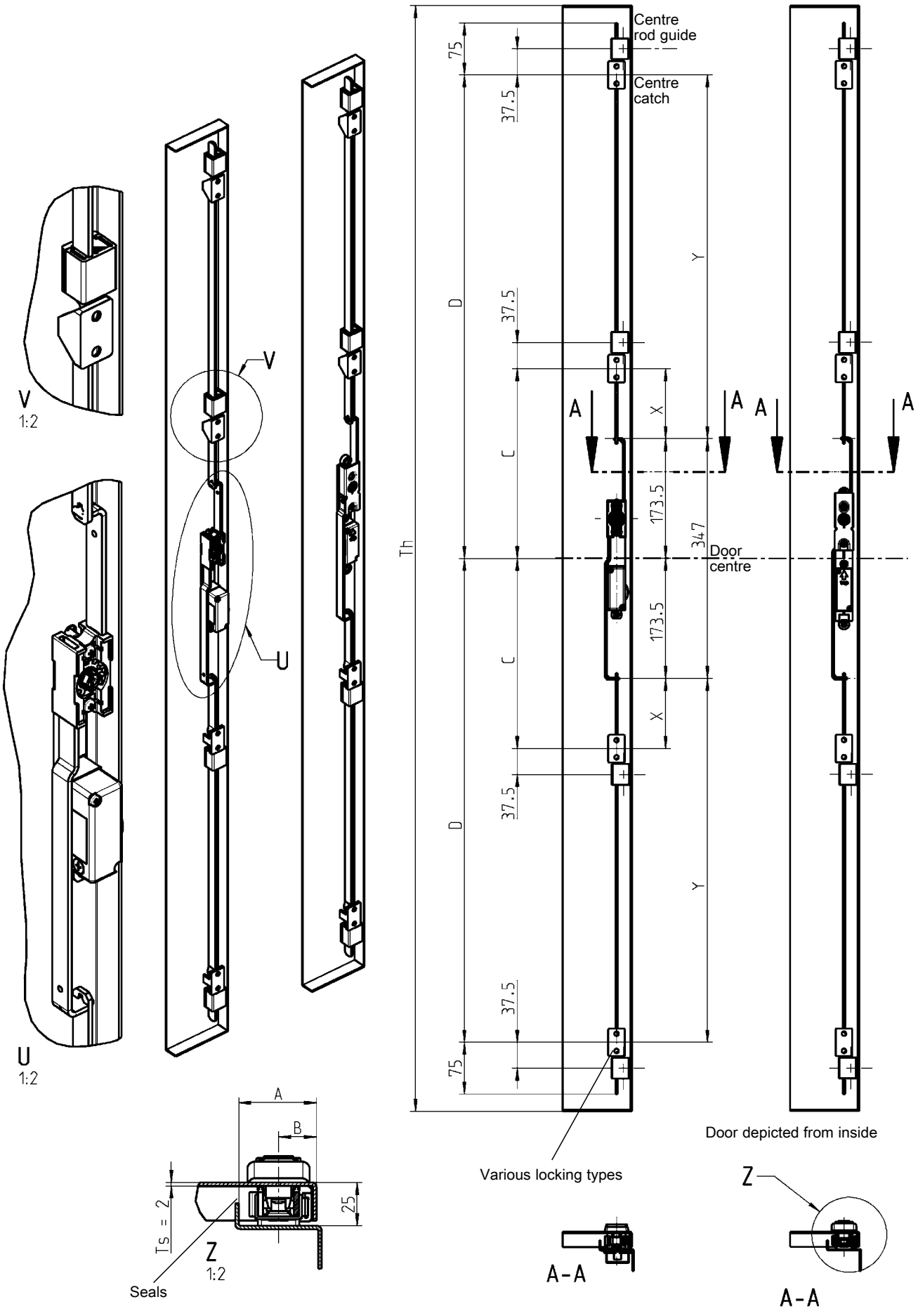
Rod and lock rod outside the sealing Program 1125, 1150, 1160, 1180, 1190, 1225, 1325, 1390, 2100, 2400, 3000



1 Swinghandle and escutcheon, Program 1125, 1150, 1160, 1180, 1190, 1225, 1325, 1390, 2100, 2400, 3000
2 Rod control
3 Rod control
4 Rod / Lock rod (outside the sealing)
5 Rod guide
6 Catch
7 Door
8 Housing / Frame

Rods

PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 1325, 1390, 2100, 3000



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4 various locking types

A



Rod with locking slider
see catalogue page 3ZA-220

B



Twisted rod
see catalogue page 3ZA-220

C

Rod with double roller
for catch with bracket
and extended catch area
see page 3ZA-1210



Rod with double roller
see catalogue page 3ZA-260

D



Rod with notch
see catalogue page 3ZA-260

Attention:
Rods with 90° turn - see catalogue page 3ZA-1120

Program	Dimension A	Dimension B
1125	45	23
1150	45	22
1160	45	22
1180	45	22
1190	42	20
1225	45	23
1325	45	23
2100	45	22





Further parts see page

– Rods with 90° turn 3ZA-1120

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-480

Program 1190
– Lifthandle 3F-120
– Escutcheon 3F-220

Program 1390
– Escutcheon 3FA-120
– Lifthandle 3FA-140

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-110

Program 1150
– Rod control 3YA-420, 3YA-440

Program 2100
– Rod control 3YA-520

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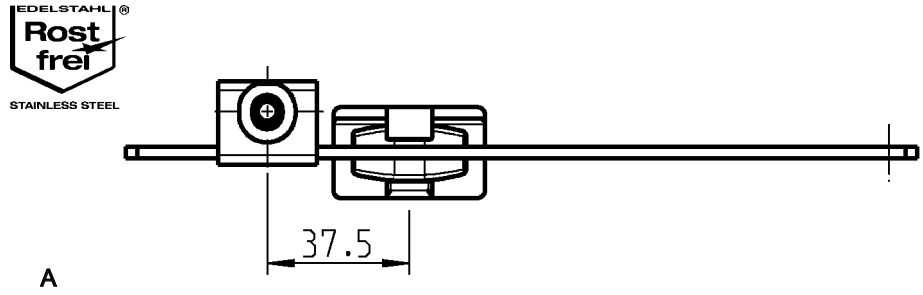
Overview of rods

PROGRAM 1125 - 3000

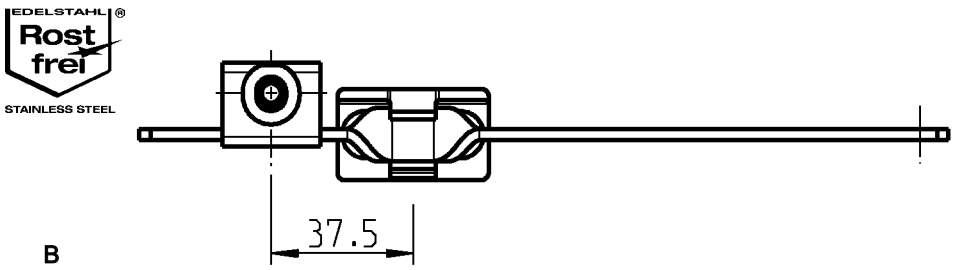
AISI INOX



Note:
For dimensions see table on catalogue page 3ZA-120



Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod material of choice; locking slider polyamide GF black Material	Part no.
800-1200	–	126.5	–	300	m.s. zinc-plated	1121-U99
					Aluminium	1121-U100
					AISI 304	1121-U101
1200-1600	–	276.5	–	450	m.s. zinc-plated	1121-U105
					Aluminium	1121-U106
					AISI 304	1121-U107
1600-1900	101.5	526.5	275	700	m.s. zinc-plated	1121-U111
					Aluminium	1121-U112
					AISI 304	1121-U113
1900-2200	101.5	676.5	275	850	m.s. zinc-plated	1121-U117
					Aluminium	1121-U118
					AISI 304	1121-U119



Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod material of choice Material	Part no.
800-1200	–	126.5	–	300	m.s. zinc-plated	1121-71-01RA
					Aluminium	1121-71-01TA
					AISI 304	1121-71-01PC
1200-1600	–	276.5	–	450	m.s. zinc-plated	1121-71-03RA
					Aluminium	1121-71-03TA
					AISI 304	1121-71-03PC
1600-1900	101.5	526.5	275	700	m.s. zinc-plated	1121-71-05RA
					Aluminium	1121-71-05TA
					AISI 304	1121-71-05PC
1900-2200	101.5	676.5	275	850	m.s. zinc-plated	1121-71-07RA
					Aluminium	1121-71-07TA
					AISI 304	1121-71-07PC

Further parts see page
– Catch 3ZA-1220 3ZA-1240
– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-120 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120 3E-140
– Rod control 3YA-480

Program 1190
– Lifthandle 3F-120
– Escutcheon 3F-220

Program 1390
– Escutcheon 3FA-120
– Lifthandle 3FA-140

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-110

Program 1150
– Rod control 3YA-420 3YA-440

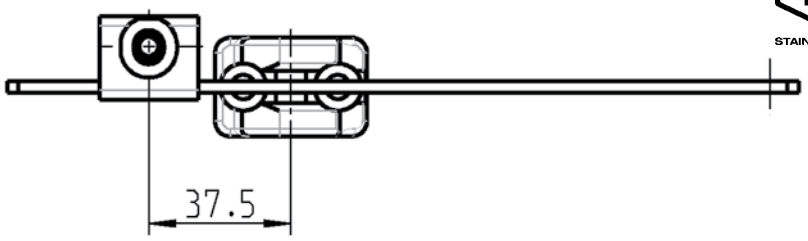
Program 2100
– Rod control 3YA-520

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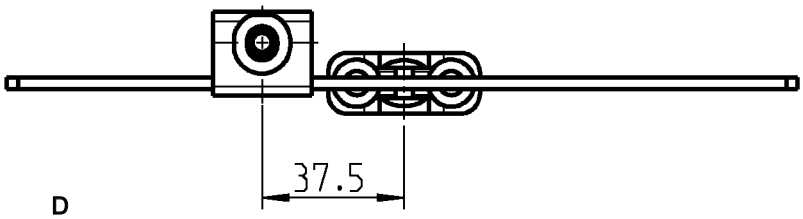
Items printed in gray without stock

Overview of rods

PROGRAM 1125 - 3000



Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod material of choice; double roller brass Material	Part no.
800-1200	–	126.5	–	300	m.s. zinc-plated	1121-U155
					Aluminium	on request
					AISI 304	on request
1200-1600	–	276.5	–	450	m.s. zinc-plated	1121-U158
					Aluminium	on request
					AISI 304	on request
1600-1900	101.5	526.5	275	700	m.s. zinc-plated	1121-U161
					Aluminium	on request
					AISI 304	on request
1900-2200	101.5	676.5	275	850	m.s. zinc-plated	1121-U164
					Aluminium	on request
					AISI 304	on request



Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod material of choice Material	Part no.
800-1200	–	126.5	–	300	m.s. zinc-plated	1121-68-01RA
					Aluminium	–
					AISI 304	–
1200-1600	–	276.5	–	450	m.s. zinc-plated	1121-68-03RA
					Aluminium	–
					AISI 304	–
1600-1900	101.5	526.5	275	700	m.s. zinc-plated	1121-68-05RA
					Aluminium	–
					AISI 304	–
1900-2200	101.5	676.5	275	850	m.s. zinc-plated	1121-68-07RA
					Aluminium	–
					AISI 304	–



Note:
For dimensions see table on catalogue page 3ZA-120

Further parts see page
– Catch 3ZA-1220, 3ZA-1240
– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-480

Program 1190
– Lifthandle 3F-120
– Escutcheon 3F-220

Program 1390
– Escutcheon 3FA-120
– Lifthandle 3FA-140

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-110, 3YA-120

Program 1150
– Rod control 3YA-420, 3YA-440

Program 2100
– Rod control 3YA-520

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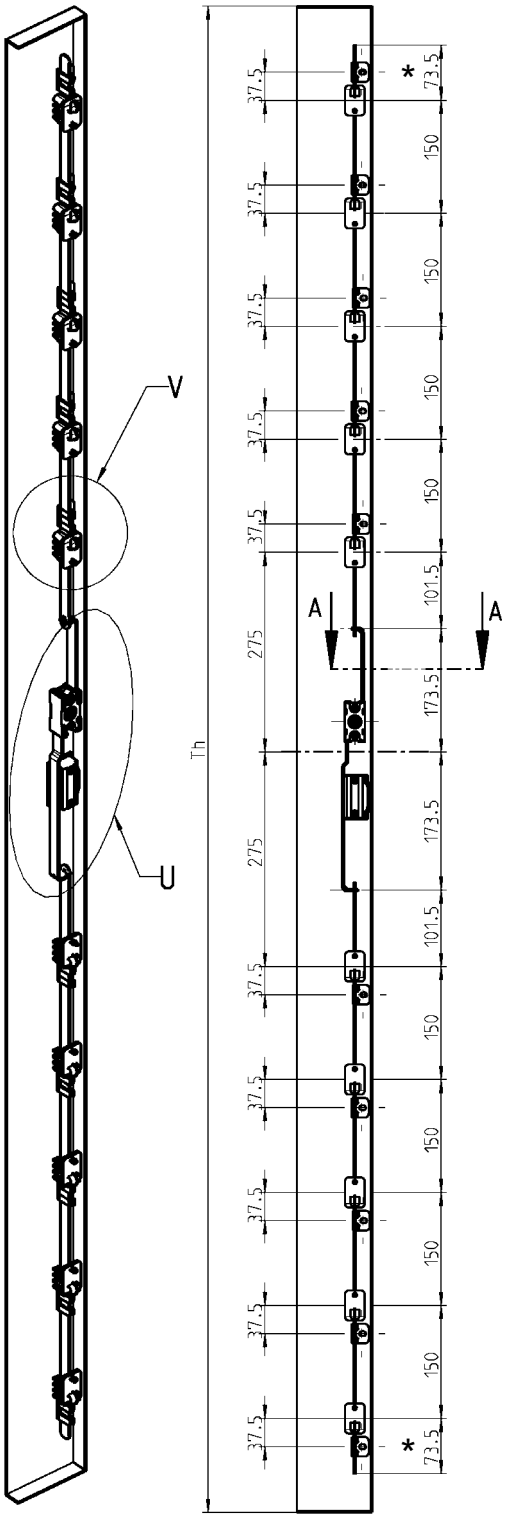
Rod made of polyamide

PROGRAM 1125 - 3000

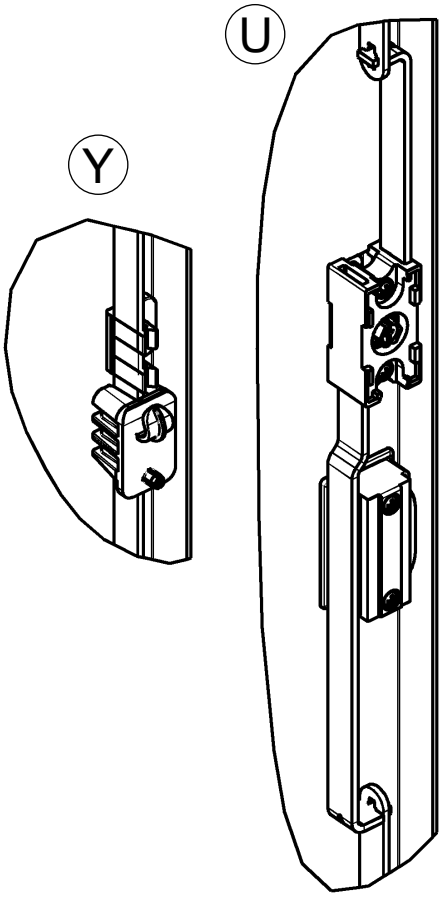




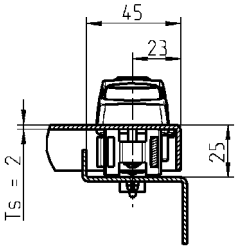
Door depicted transparent



Door depicted from inside



* = Minimum length for shortened rods 50 mm



Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-320

Program 1190
– Lifthandle 3F-120
– Escutcheon 3F-220

Program 1390
– Escutcheon 3FA-120
– Lifthandle 3FA-140

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-120

Program 1150
– Rod control 3YA-420, 3YA-440

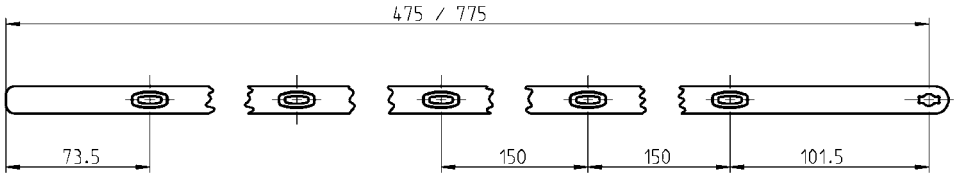
Program 2100
– Rod control 3YA-520

Rod with locking slider see catalogue page 3ZA-340

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Rods, Catches

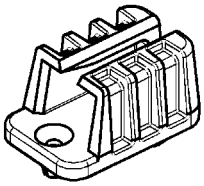
PROGRAM 1125 - 3000

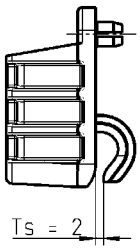


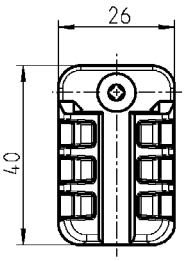


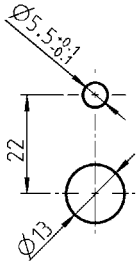
Rod with locking slider polyamide GF black			
Door height Th	**Locking points**	**Rod length** * =Rod has to be shortened!	
800-1300	2-3	475 *	1121-115
1300-1600	3	475	1121-115
1600-1900	4-5	775 *	1121-115-01
1900-2200	5	775	1121-115-01

Rod with locking slider polyamide GF silver grey metallic			
Door height Th	**Locking points**	**Rod length** * =Rod has to be shortened!	
800-1300	2-3	475 *	on request
1300-1600	3	475	on request
1600-1900	4-5	775 *	1121-115-01CX
1900-2200	5	775	1121-115-01CX









Cut out

Catch polyamide black	
for countersunk screw Ø 3.5 x 13	1121-116-01
Catch polyamide silver grey metallic	
for countersunk screw Ø 3.5 x 13	1121-116-01CX
Countersunk screw Ø 3.5 x 13	
	000104

Further parts see page

– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-320

Program 1190
– Lifthandle 3F-120
– Escutcheon 3F-220

Program 1390
– Escutcheon 3FA-120
– Lifthandle 3FA-140

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-120

Program 1150
– Rod control 3YA-420, 3YA-440

Program 2100
– Rod control 3YA-520

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Items printed in gray without stock

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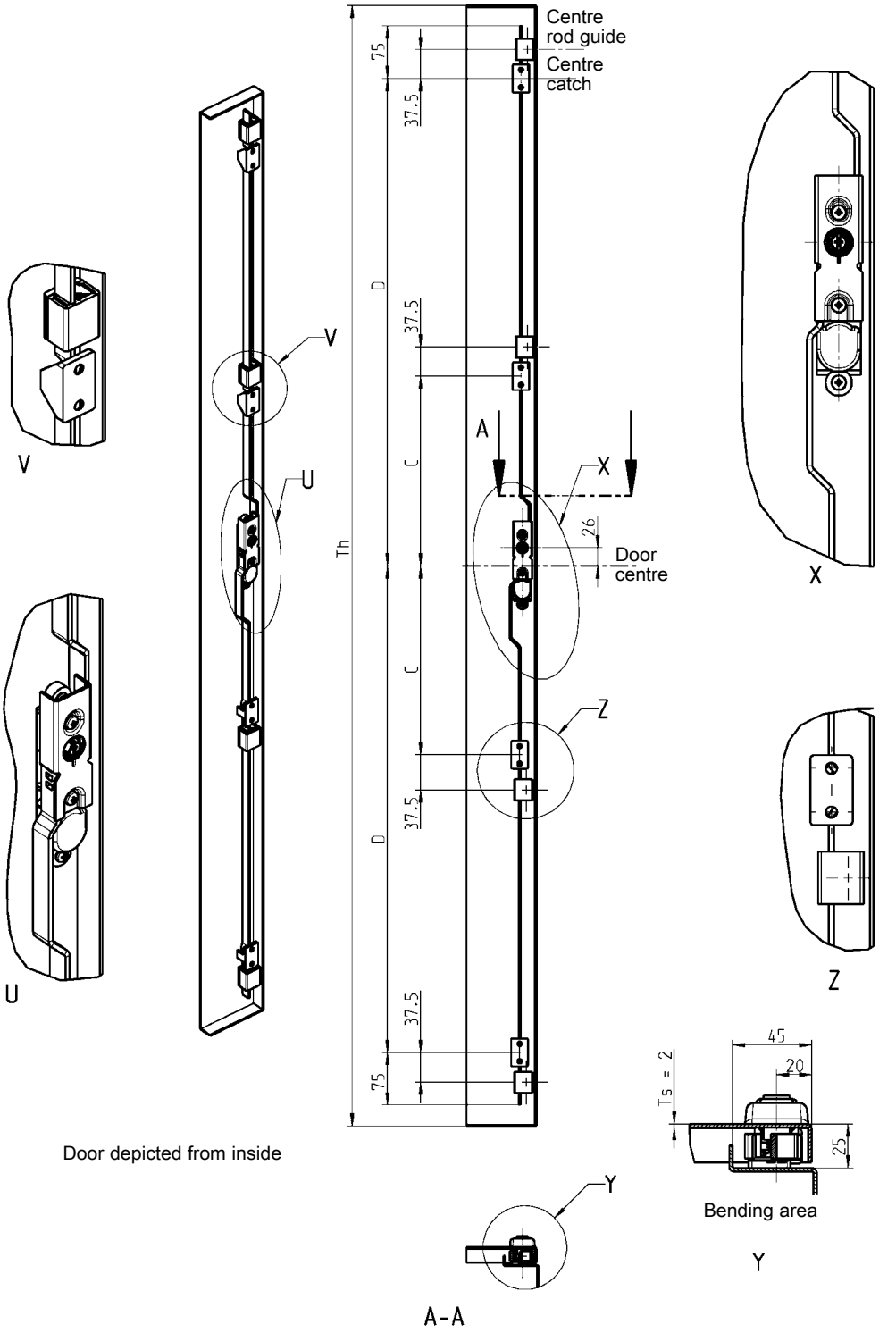
Twisted rods

PROGRAM 1160



Twisted rod

Rod with double roller on request



Door depicted from inside

Further parts see page
– Catch 3ZA-1220
– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-220

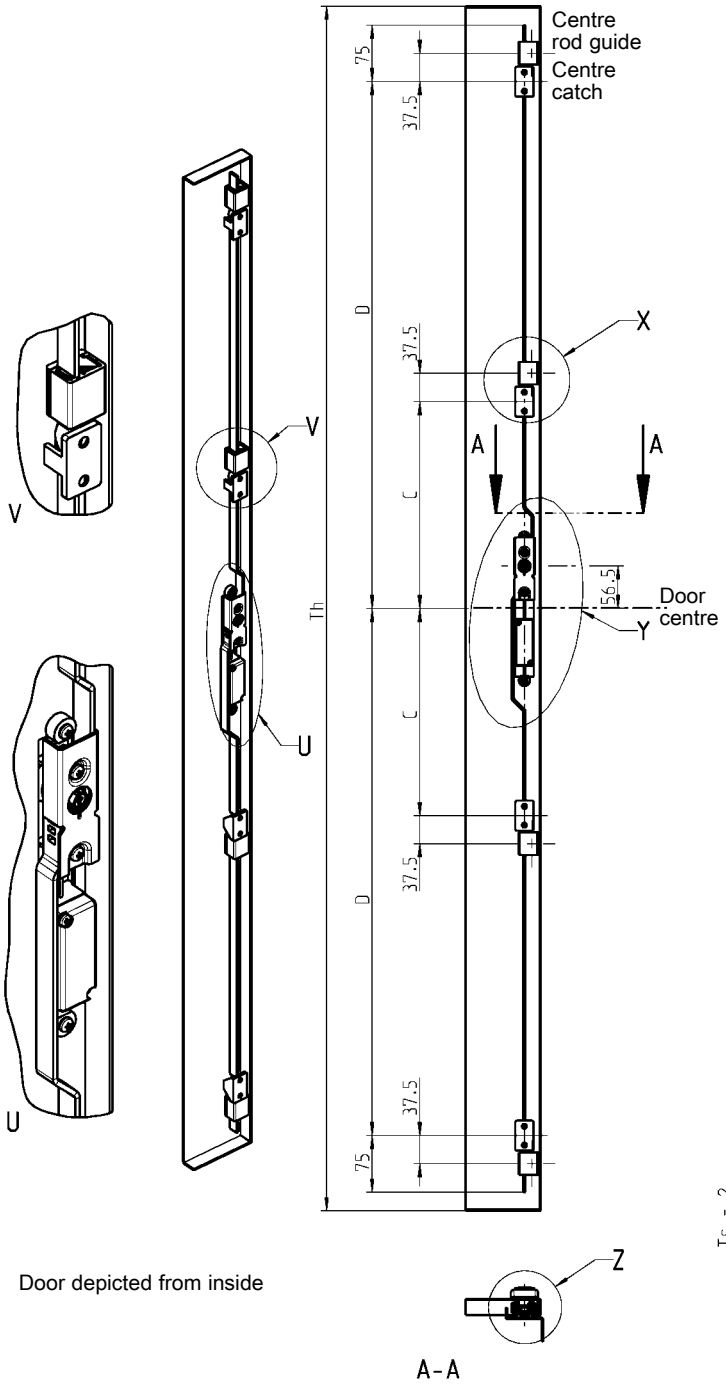
Door height Th	Locking points (door centre)		Part no. upper rod		Part no. lower rod	
	Dim. C	Dim. D	m.s. zinc-plated	Aluminium	m.s. zinc-plated	Aluminium
800-1200	–	300	1160-08-01RA	on request	1160-09-01RA	on request
1200-1600	–	450	1160-08-03RA	on request	1160-09-03RA	on request
1600-1900	275	700	1160-08-05RA	on request	1160-09-05RA	on request
1900-2200	275	850	1160-08-07RA	on request	1160-08-07RA	on request

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Items printed in gray without stock

Twisted rods

PROGRAM 1180







Twisted rod



Rod with
double roller
on request



Door height	Locking points (door centre)		Part no. upper rod		Part no. lower rod	
Th	Dim. C	Dim. D	m.s. zinc-plated	Aluminium	m.s. zinc-plated	Aluminium
800-1200	–	300	1180-08-01RA	on request	1180-09-01RA	on request
1200-1600	–	450	1180-08-03RA	on request	1180-09-03RA	on request
1600-1900	275	700	1180-08-05RA	on request	1180-09-05RA	on request
1900-2200	275	850	1180-08-07RA	on request	1180-09-07RA	on request

Further parts see page
– Catch 3ZA-1220
– Rod guide 3ZC-120 to 3ZC-170

Program 1180
– Swinghandle and escutcheon 3E-220

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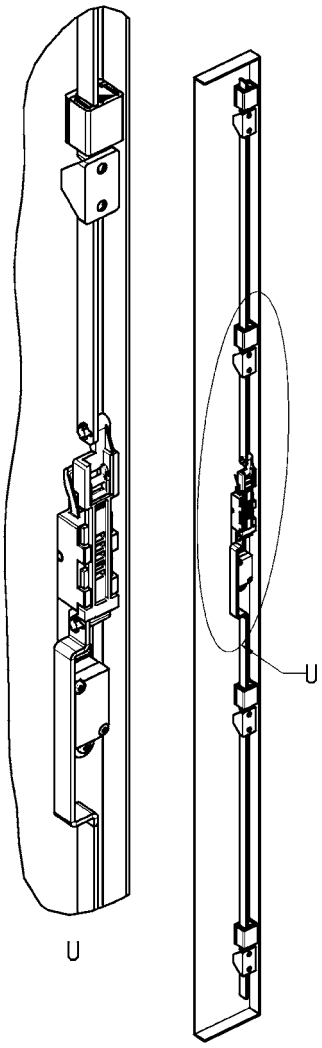
EMKA® Beschlagteile

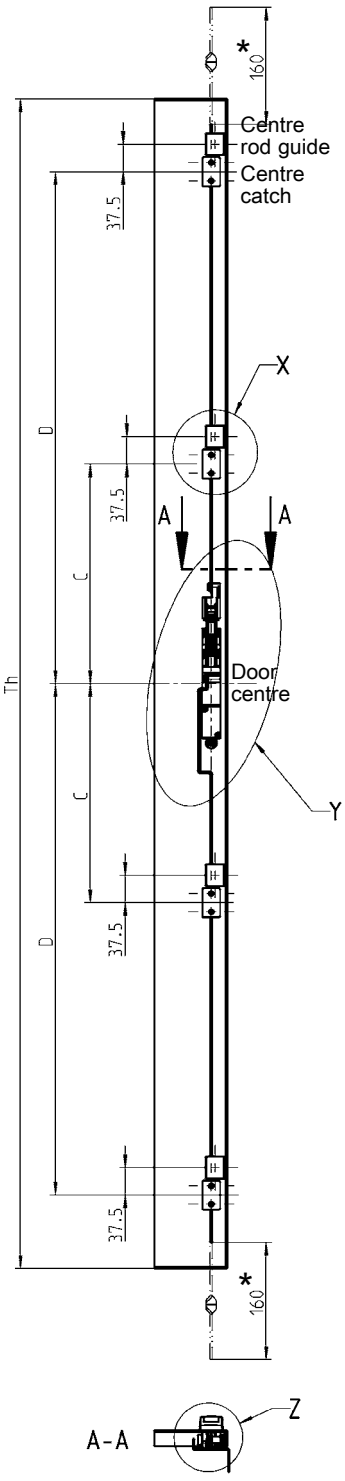
Twisted rods

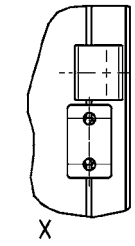
PROGRAM 1190

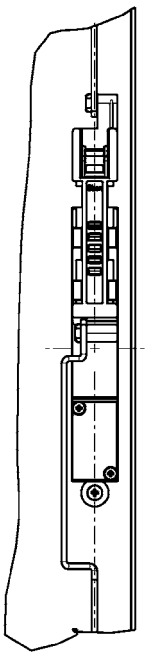




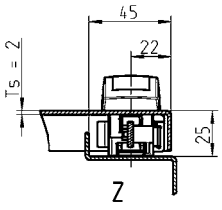








Door depicted from inside with
Th = 1600-1900 as example



Bending area

* Flat rod has
to be shortened

Further parts see page

– Catch	3ZA-1220
– Rod guide	3ZC-120 to 3ZC-170

Program 1190

– Swinghandle	3F-320 3F-330

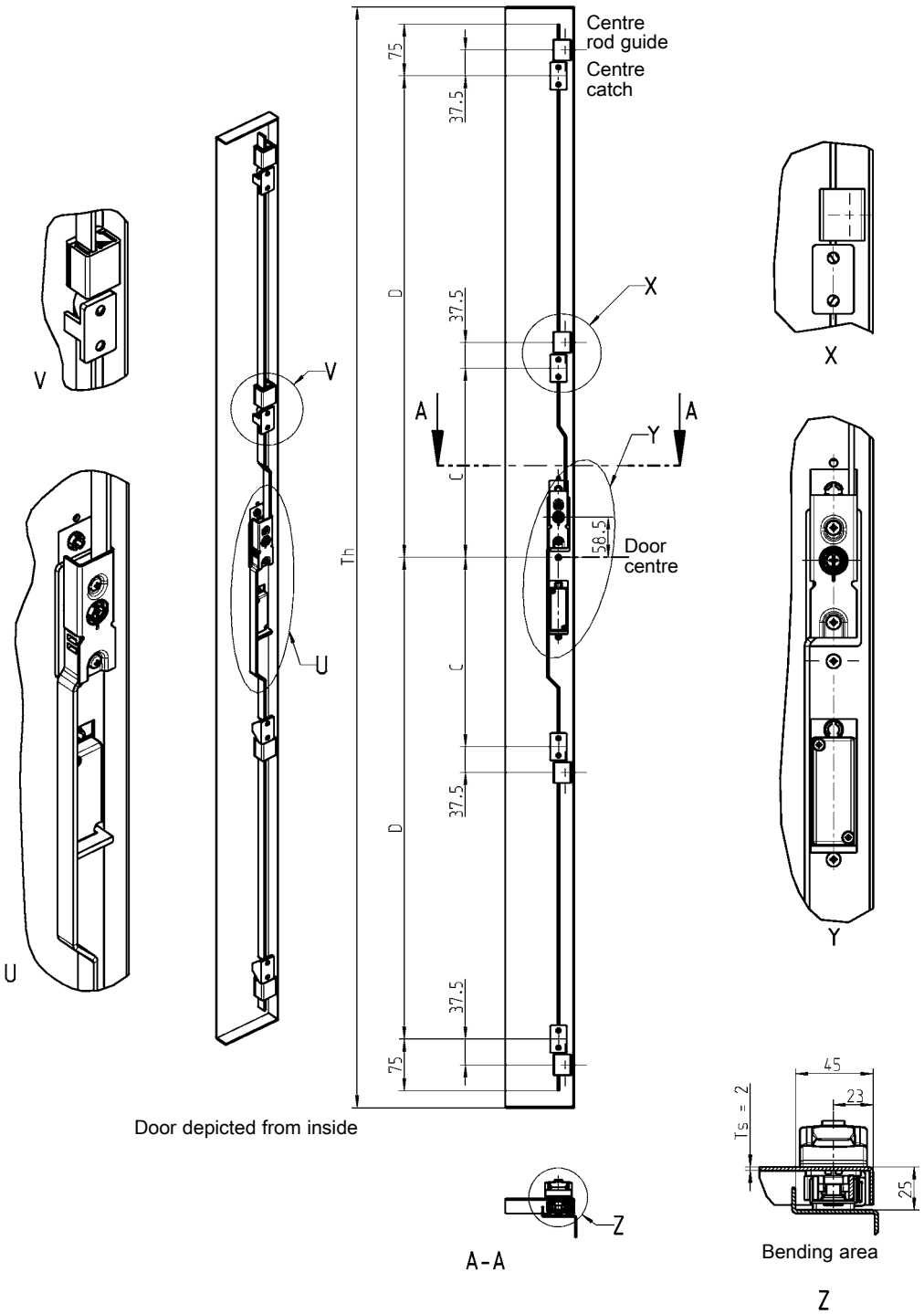
Door height Th	Locking points (door centre)		Part no. upper rod		Part no. lower rod	
	Dim. C	Dim. D	m.s. zinc-plated	Aluminium	m.s. zinc-plated	Aluminium
800-1200	–	300	1190-25-01JB*	1190-25-01TA*	1190-25-02JB*	1190-25-02TA*
1200-1600	–	450	1190-25-01JB	1190-25-01TA	1190-25-02JB	1190-25-02TA
1600-1900	300	700	1190-27-01JB*	1190-27-01TA*	1190-27-02JB*	1190-27-02TA*
1900-2200	300	850	1190-27-01JB	1190-27-01TA	1190-27-02JB	1190-27-02TA

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Items printed in gray without stock

Twisted rods

PROGRAM 2400





Door height Th	Locking points (door centre) Dim. C	Dim. D	Part no. upper rod m.s. zinc-plated	Aluminium	Part no. lower rod m.s. zinc-plated	Aluminium
800-1200	–	300	2400-19-01RA	on request	2400-18-01RA	on request
1200-1600	–	450	2400-19-03RA	on request	2400-18-03RA	on request
1600-1900	275	700	2400-19-05RA	on request	2400-18-05RA	on request
1900-2200	275	850	2400-19-07RA	on request	2400-18-07RA	on request

Further parts see page

– Catch	3ZA-1220
– Rod guide	3ZC-120 to 3ZC-170

Program 2400

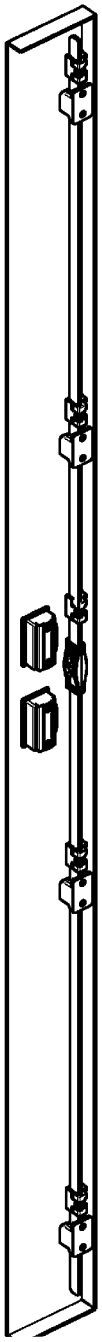
– Escutcheon	3K-220

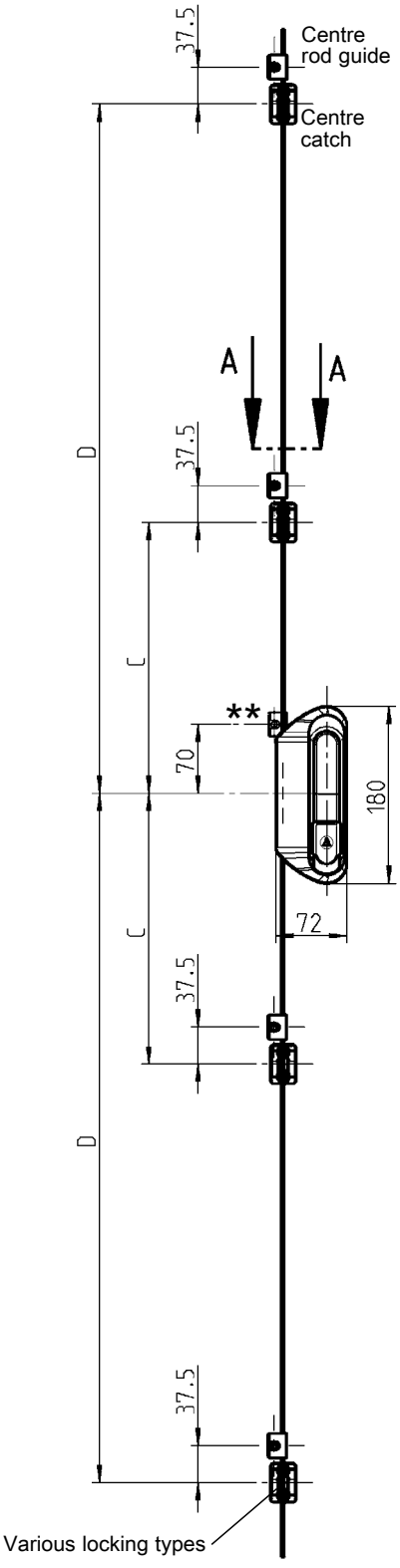
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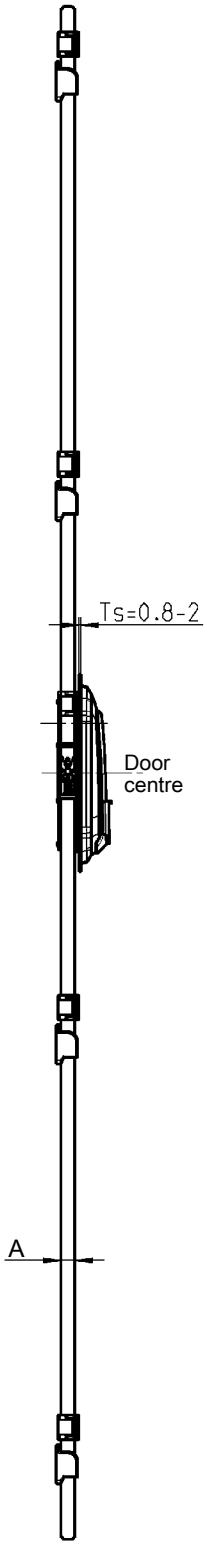
Rods for small bending area

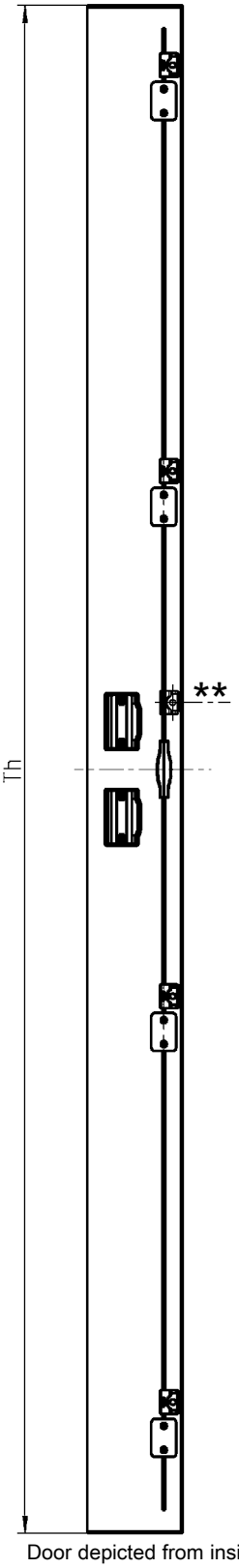
PROGRAM 1325



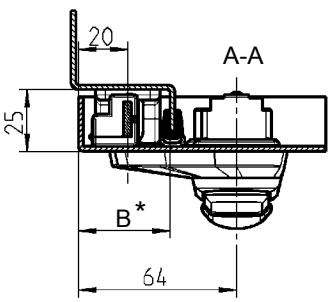


depicted without door





Door depicted from inside



* The values in the table for dimension B with seal refer to the seal 1011-10. With other seals, the values for dimension B differ.

Dimension A	Flat rod 14x3	
Locking type (see right)	Dimension B	
	without seal	with seal
1	30	33
2	30	33
3	34	37

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Locking types



1

Rod with cut out



2

Rod with single roller



3

Rod with double roller

Locking type	Article	Catalogue page	Part no.
1	Catch	3ZA-1220	1121-U76
	Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
	Rod with notch	see below	
	Hinge	① see below right	
2	Catch	-	2600-12
	Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
	Rod control with single roller	see below	
	Hinge	① see below right	
3	Catch	3ZA-1220	1121-18-02
	Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
	Rod control with double roller	see below	
	Hinge	① see below right	

Rod 14x3 m.s. zinc-plated

Door height Th	Locking points (door centre) Dim. C	Dim. D	Locking type	Part no.
800-1200	–	300	1 (upper rod)	1325-15-01JB
			1 (lower rod)	1325-14-01JB
			2	on request
			3	on request
1200-1600	–	450	1 (upper rod)	1325-15-03JB
			1 (lower rod)	1325-14-03JB
			2	on request
			3	on request
1600-1900	275	700	1 (upper rod)	1325-15-05JB
			1 (lower rod)	1325-14-05JB
			2	on request
			3	on request
1900-2200	275	850	1 (upper rod)	1325-15-07JB
			1 (lower rod)	1325-14-07JB
			2	on request
			3	on request



① Fixing of hinge with countersunk screws

** Note:
Additional rod guides necessary for door height up to 1600 mm

Further parts see page

Hinge suitable for locking types 1, 2 and 3
– 125° Hinge 4A-136
– 180° Hinge (bottom) 4A-140
– 180° Hinge 4A-145

Also suitable for locking type 3
– 180° Hinge (26 mm door return) 4A-170
– 180° Hinge (26 mm door return) 4A-210

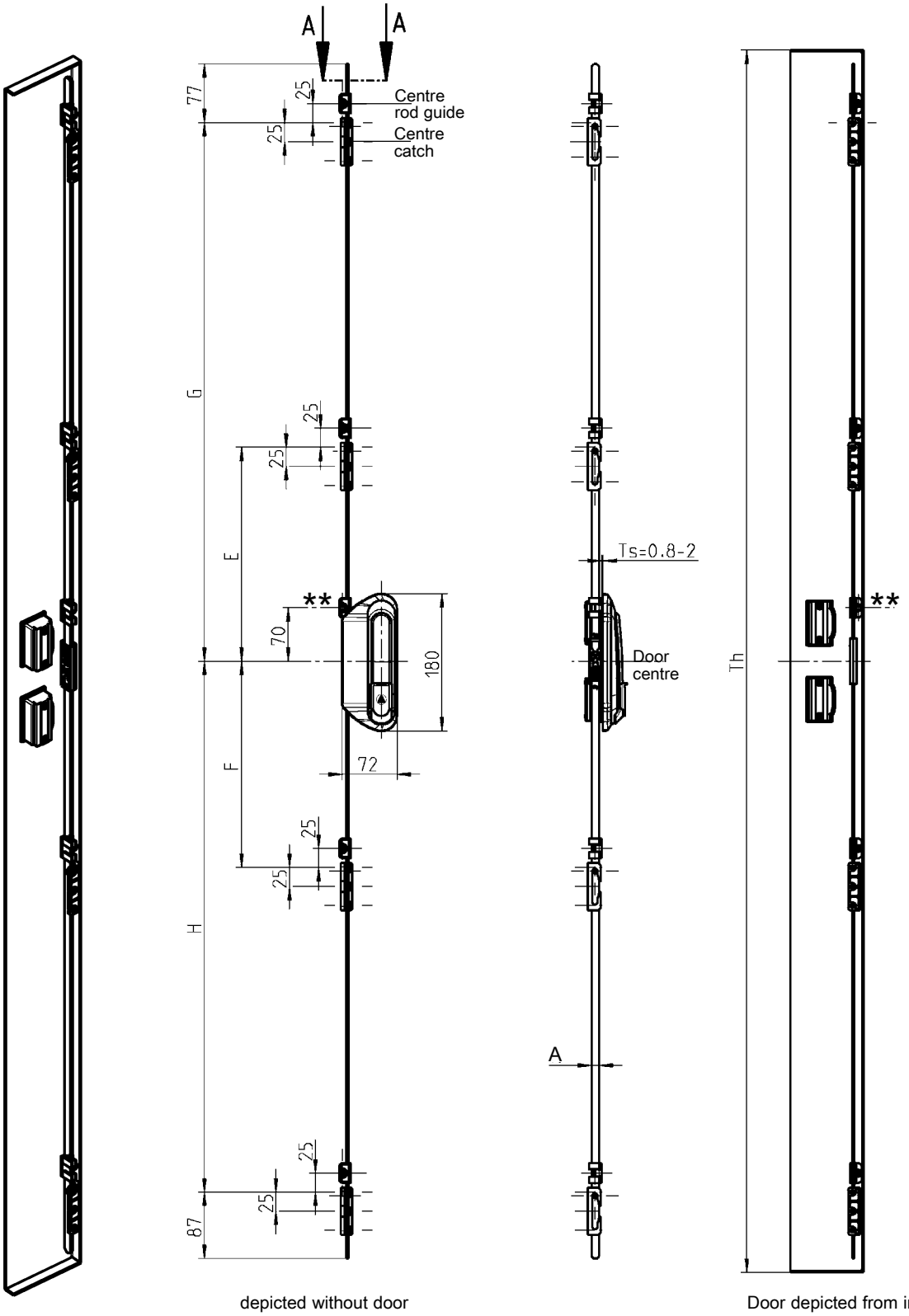
Program 1325
– Swinghandle for small bending area 3BA-320

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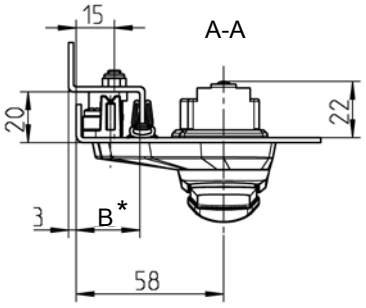
Rod controls for small bending area 20x22 without seal and 20x25 with seal

PROGRAM 1325



depicted without door

Door depicted from inside



* The values in the table for dimension B with seal refer to the seal 1011-10. With other seals, the values for dimension B differ.

Dimension A	Flat rod 10x3	
Locking type (see right)	Dimension B	
	without seal	with seal
	22	25

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Locking type and rod control	130° Concealed hinge	180 ° Prominent hinge







Article	Material	Part no.
Swinghandle	see catalogue page 3BA-320	1325-U202
Catch	Zinc die black powder-coated for countersunk screw M5	1121-149
Rod guide	Polyamide black for weld studs Ø 6x8-M4 and oval head screw DIN 7045 M4x6	1121-148
Rod	see below	
130° Concealed hinge	Frame part m.s. zinc-plated with pressed-in grub screws M5x12; hinge roll m.s. raw for welding on; pin m.s. zinc-plated	on request
180° Prominent hinge	Zinc die black powder-coated; fixing pin polyamide GF black; hinge pin stainless steel and washer brass	on request



** Note:
Additional rod guides necessary for door height up to 1600 mm

Rod 10x3 m.s. zinc-plated

Door height	Locking points (door centre)				Part no.
Th	Dim. E	Dim. F	Dim. G	Dim. H	
800-1200	–	–	305	295	1325-U220-01
1200-1600	–	–	455	445	1325-U220-03
1600-1900	280	270	705	695	1325-U220-05
1900-2200	280	270	855	845	1325-U220-07

Further parts see page

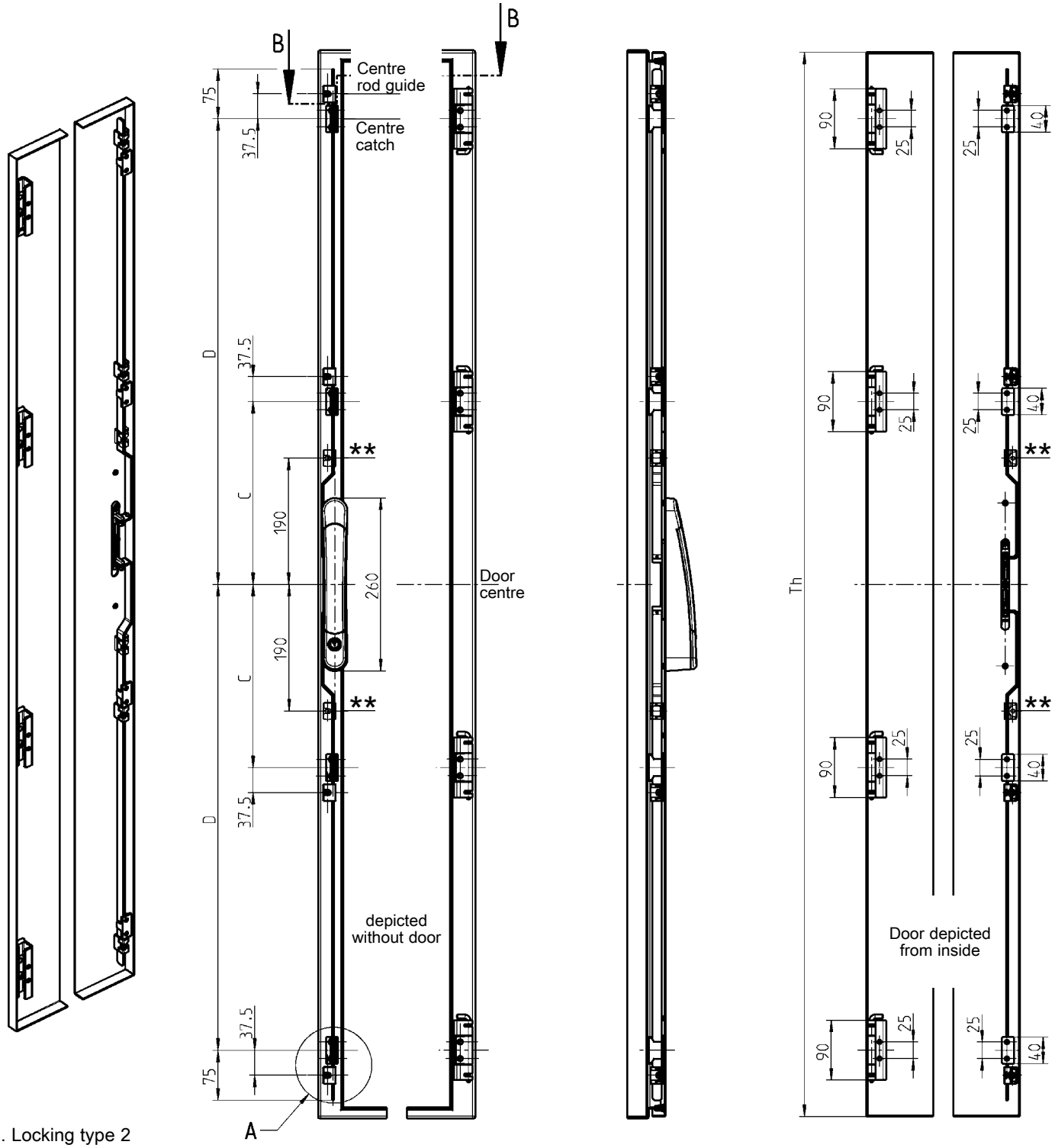
Program 1325
– Swinghandle for small bending area 3BA-320

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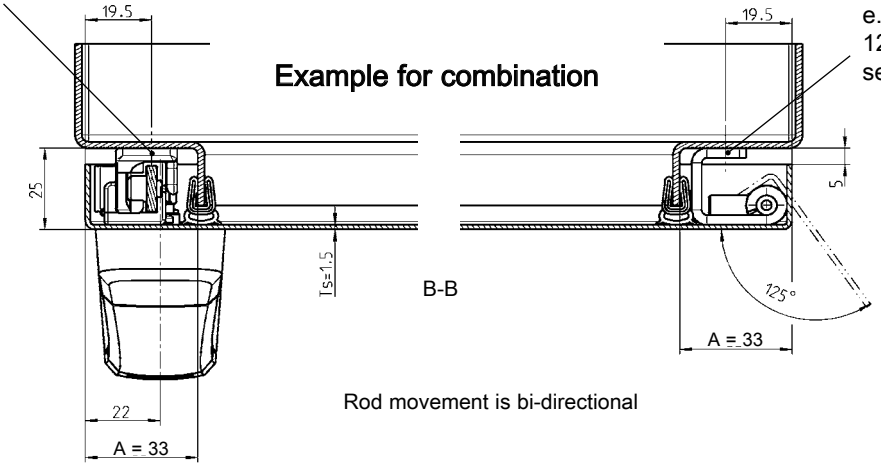
Items printed in gray without stock

Rods for small bending area

PROGRAM 1390

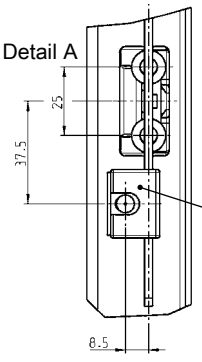


e.g. Locking type 2



Example for combination

e.g.:
120° Hinge 1031-U12
see catalogue page 4A-136



e.g.:
Rod guide
1121-106

Rod movement is bi-directional

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Locking types


1


2


3

Rod with cut out

Rod with single roller

Rod with double roller

Locking type	Dim. A	Article	Catalogue page	Part no.
1	33	Catch	* 3ZA-1220	1121-U76
		Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
		Rod with notch	see below	
		Hinge	* see below right	
2	33	Catch	* -	2600-12
		Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
		Rod control with single roller	see below	
		Hinge	* see below right	
3	37	Catch	* 3ZA-1220	1121-18-02
		Rod guide	3ZC-120 3ZC-140	1121-89-11 1121-106
		Rod control with double roller	see below	
		Hinge	* see below right	



*** Fixing with countersunk screws acc. to DIN ISO 2009, 2010, 7046-1, 7046-2, 7047**

** Note:
Additional rod guides necessary for door height up to 1600 mm

Door height Th	Locking points (door centre) Dim. C	Dim. D	Rod Locking type	Part no. Upper rod	Lower rod
** 800-1200	–	300	1	1390-11-01JB	1390-12-01JB
			2	1390-U10-01	
			3	1390-U11-01	
** 1200-1600	–	450	1	1390-11-03JB	1390-12-03JB
			2	1390-U10-03	
			3	1390-U11-03	
1600-1900	275	700	1	1390-11-05JB	1390-12-05JB
			2	1390-U10-05	
			3	1390-U11-05	
1900-2200	275	850	1	1390-11-07JB	1390-12-07JB
			2	1390-U10-07	
			3	1390-U11-07	

Further parts see page

Hinge suitable for locking types 1, 2 and 3
- 125° Hinge 4A-136
- 180° Hinge (bottom) 4A-140
- 180° Hinge 4A-145
- 180° Hinge (bottom) 4A-170
- 180° Hinge (26 mm door return) 4A-210
- 180° Hinge 4A-215

Program 1390
- Escutcheon for small bending area 3FA-120
- Lifthandle for small bending area 3FA-140

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Items printed in gray without stock

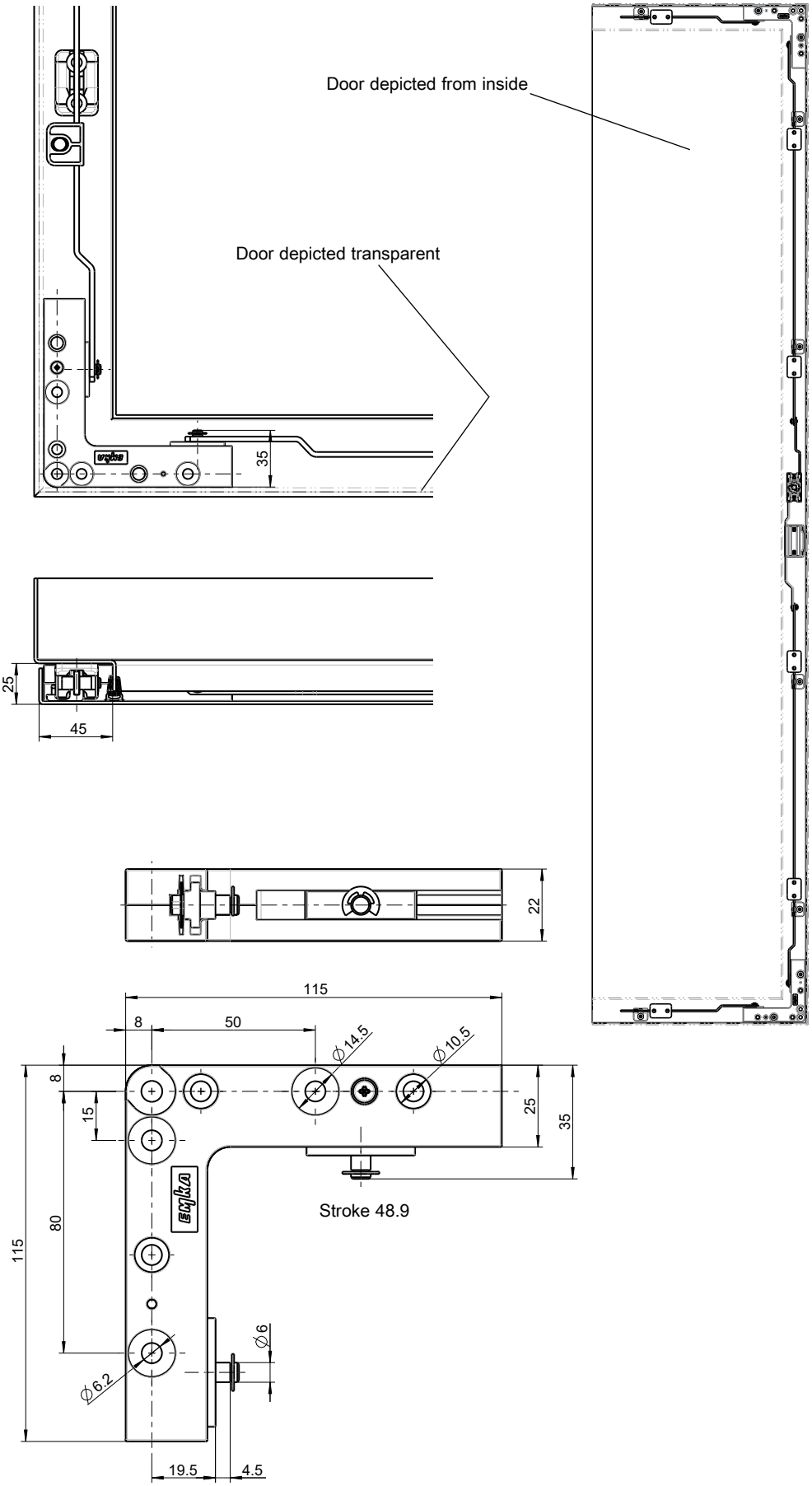
EMKA® Beschlagteile

Corner guide for rods

PROGRAM 1125 - 3000







Rods suitable for Program 1125, 1150, 1160, 1180, 1190, 1225, 1325, 2100, 2225, 2400 and 3000 induvidually on request

Further parts see page
– Rod without corner guide 3ZA-120

Corner guide polyamide GF black, connector zinc die raw, circlip and screw m.s. zinc-plated, with spring hinge

for weld stud M6x20 or blind rivet	1121-U206

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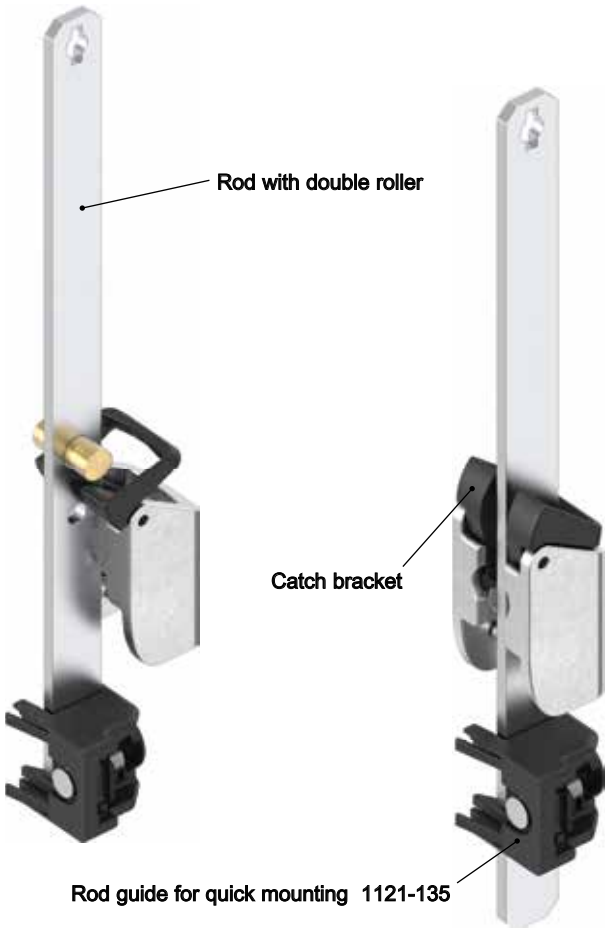
Rod with double roller for catch with bracket and extended catch area

PROGRAM 1125 - 3000

EMKA Beschlagteile

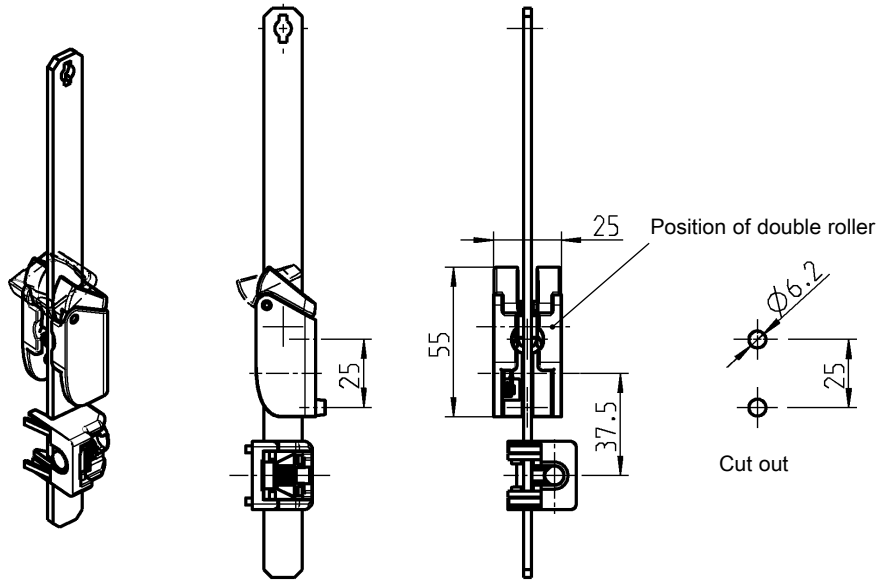
Product benefits

- Bracket increases the catch area from 8.5 mm to 13 mm
- Ensures that the double roller is hooked in the catch before the seal is compressed
- Fixing with only one screw instead of two
- Exchangeable with the previous catch 1121-18-02
- Rod control remains in former position
- High closing comfort
- Patented









Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod control m.s. zinc-plated; double roller brass
800-1200	–	126.5	–	300	1121-U155-01
1200-1600	–	276.5	–	450	1121-U158-01
1600-1900	101.5	526.5	275	700	1121-U161-01
1900-2200	101.5	676.5	275	850	1121-U164-01
Catch zinc die zinc-plated for rod with double roller; catch bracket polyamide GF black; with spring					
					1121-U194

Note:
For dimensions see table on catalogue page 3ZA-120

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-480

Program 1190
– Swinghandle 3F-120
– Escutcheon 3F-220

Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-110, 3YA-120

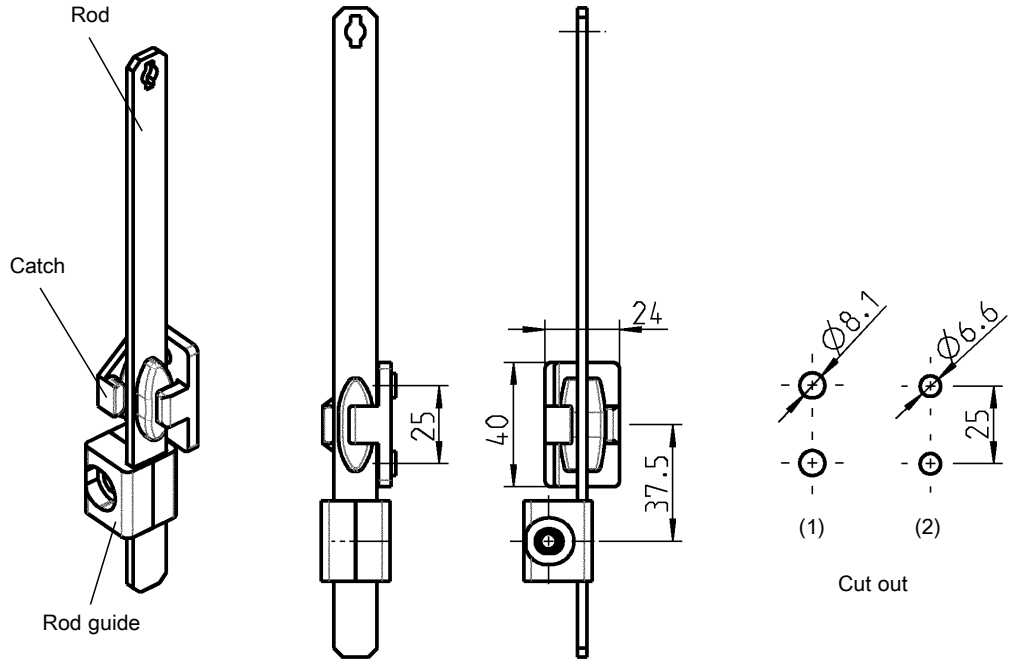
Program 1150
– Rod control 3YA-420, 3YA-440

Program 2100
– Rod control 3YA-520

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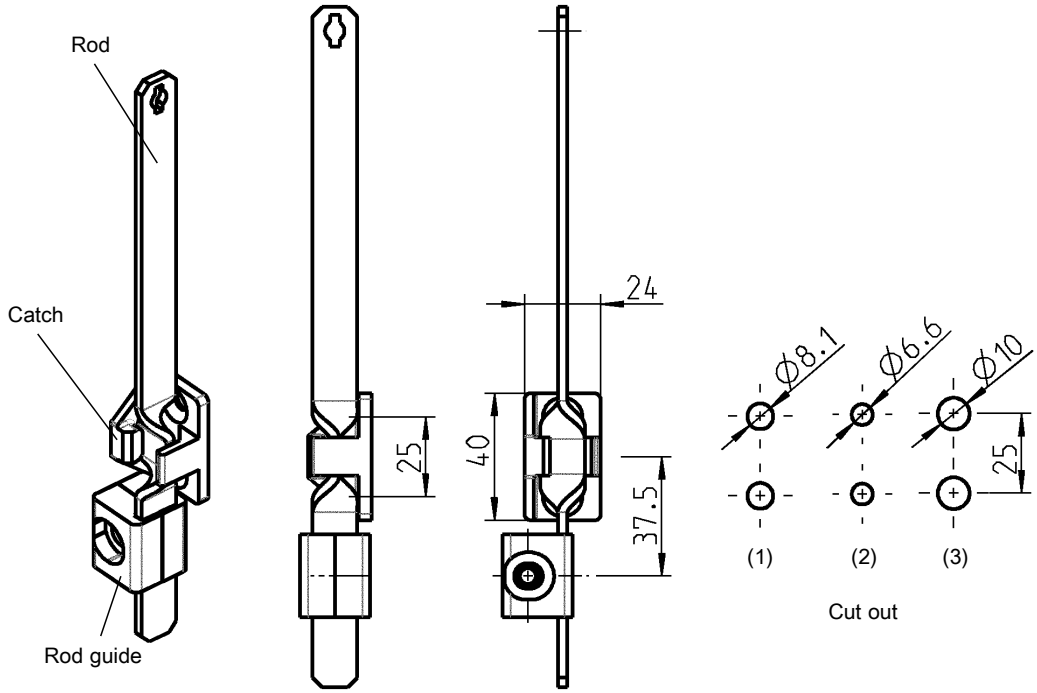
Catch

PROGRAM 1125, 1150, 1160, 1180, 1225, 1325, 2100, 2400, 3000



Catch interchangeable with 120° hinge, catalogue page 4A-190, or 180° hinge, catalogue page 4A-210

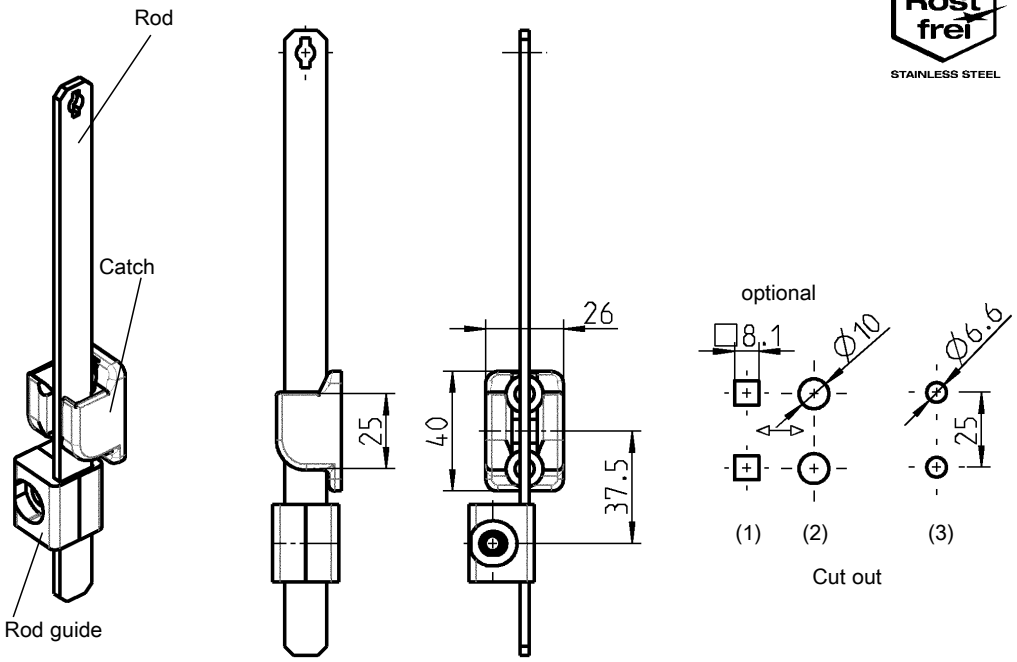
Catch zinc die black powder-coated for rod with locking slider		
with female thread M6	(1)	1121-54-P
for countersunk screw M6 (2D nut applicable)	(2)	1121-53-P



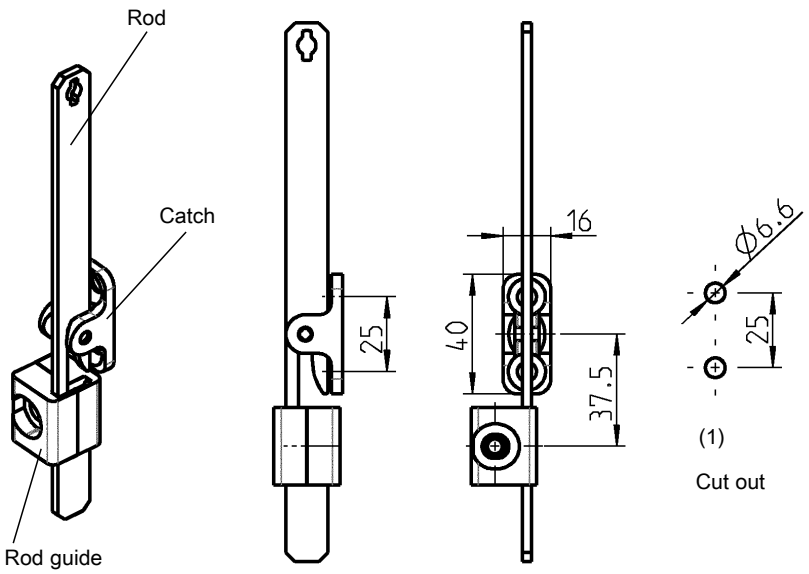
Catch interchangeable with 120° hinge, catalogue page 4A-190, or 180° hinge, catalogue page 4A-210

Catch zinc die black powder-coated for twisted rod		
with female thread M6	(1)	1121-70-01
for countersunk screw M6 (2D nut applicable)	(2)	1121-70
with clamping pin, polyamide GF black, Ts = 2.0	(3)	1121-U137
with male thread M10, nut m.s. zinc-plated	(3)	1121-U152
Catch polyamide 66 GF 50 black for twisted rod		
for countersunk screw M6 (2D nut applicable)	(2)	1121-70-04SK

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Catch zinc die black powder-coated for rod with double roller		
with female thread M6	(1) (2)	1121-18-01
for countersunk screw M6 (2D nut applicable)	(3)	1121-18-02
Catch AISI 316 for rod with double roller		
for countersunk screw M6 (2D nut applicable)	(3)	1121-18-02PH



Catch interchangeable with 120° hinge, catalogue page 4A-190, or 180° hinge, catalogue page 4A-210

Catch zinc die black powder-coated for rod with notch		
for countersunk screw M6 (2D nut applicable)	(1)	1121-U76

4 various fixing possibilities



Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D Nut 8E-120

Program 1125, 1150, 1160, 1180, 1190, 1225, 1325, 2100, 3000
– Rods 3ZA-120

Program 1160
– Lock rods 3ZA-420

Program 1180
– Lock rods 3ZA-520

Program 1190
– Rods 3ZA-560

Program 2400
– Rods 3ZA-820

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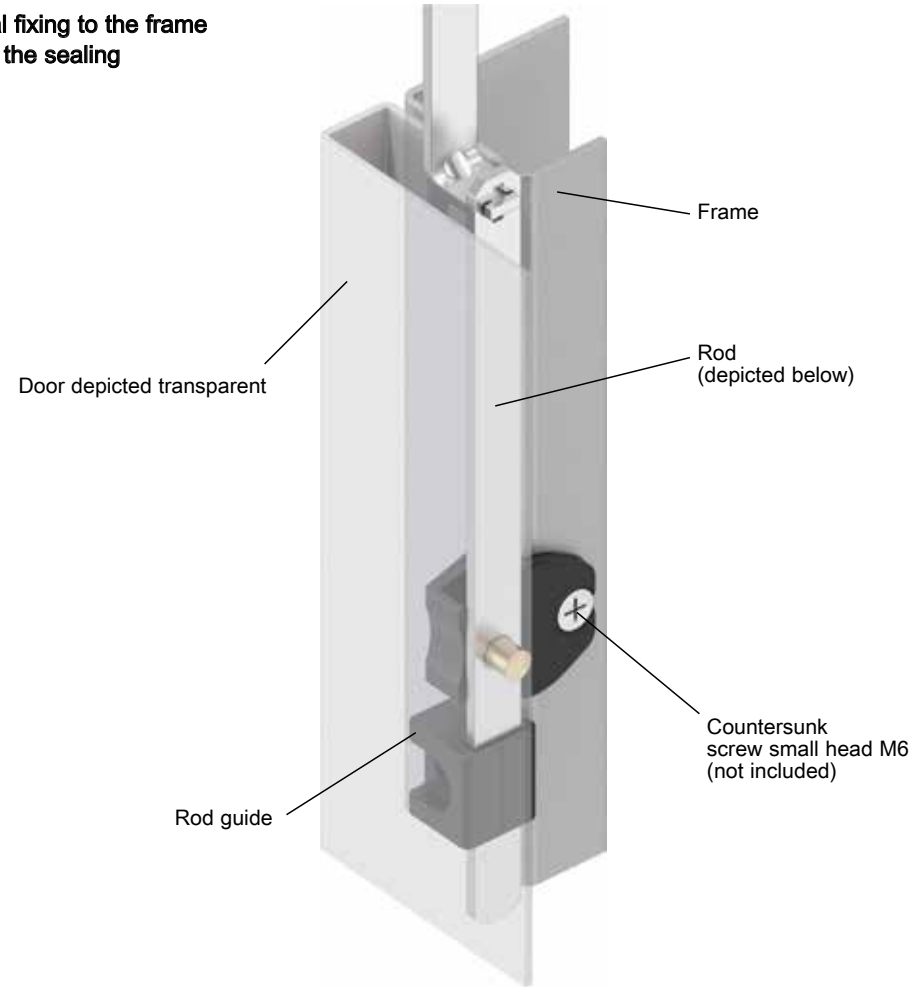
®Catch for rod with double roller or single roller

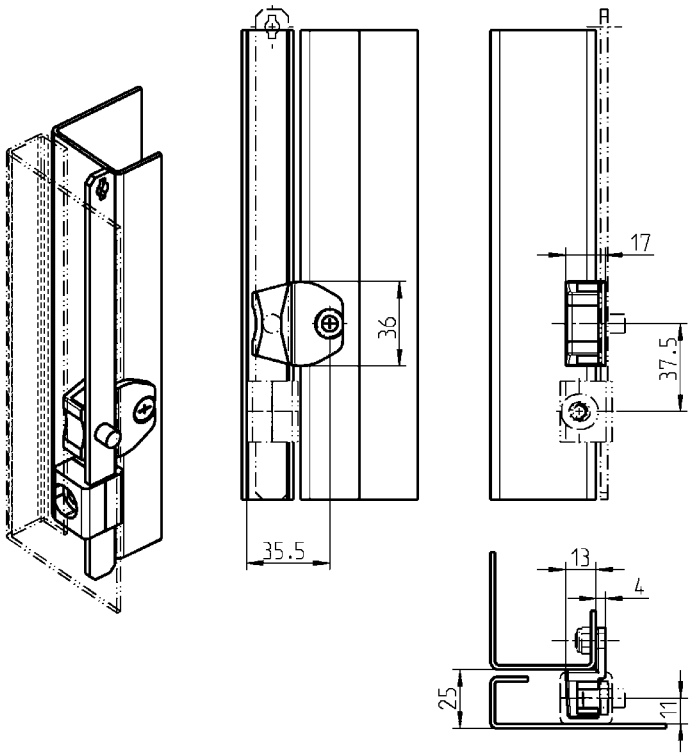
PROGRAM 1125 - 3000





Lateral fixing to the frame inside the sealing





Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

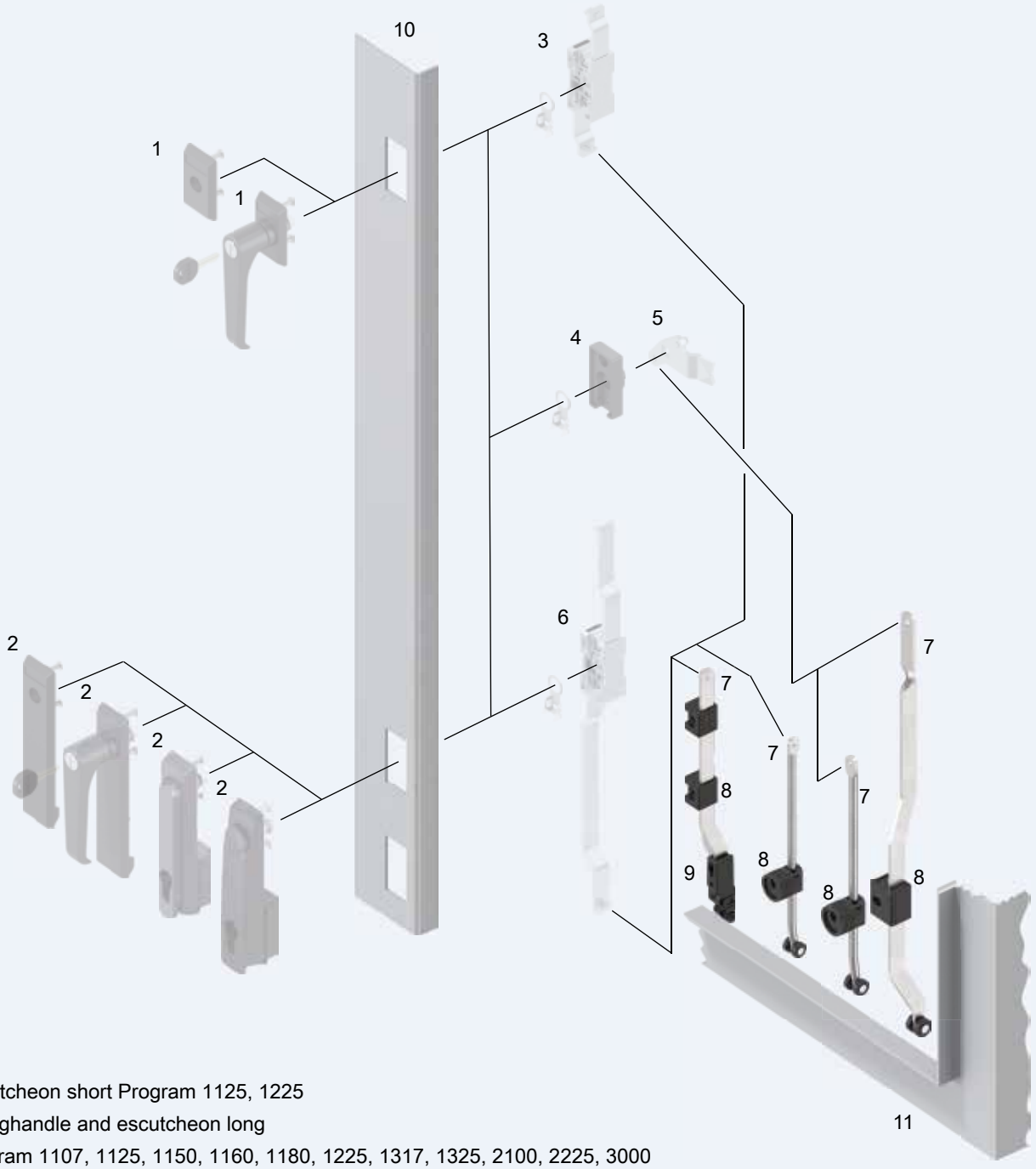
Program 1125, 1150, 1160, 1180, 1190, 1225, 1325, 2100, 3000
– Rods 3ZA-260

Catch zinc die black powder-coated

1121-108-AA

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Rod
inside the sealing
Program 1107, 1125, 1150, 1160, 1180, 1225, 1317, 1325, 2100, 2225, 3000



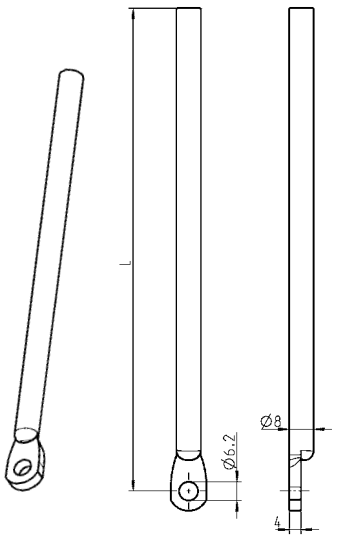
1 Escutcheon short Program 1125, 1225
2 Swinghandle and escutcheon long
Program 1107, 1125, 1150, 1160, 1180, 1225, 1317, 1325, 2100, 2225, 3000
3 Rod control
4 Bearing bush
5 Cam
6 Rod control
7 Rod (inside the sealing)
8 Rod guide
9 Guiding shoe
10 Door
11 Housing / Frame

Rods

PROGRAM 1107, 1125, 1150, 1180, 1225, 1317, 1325, 2100, 2225, 3000

Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

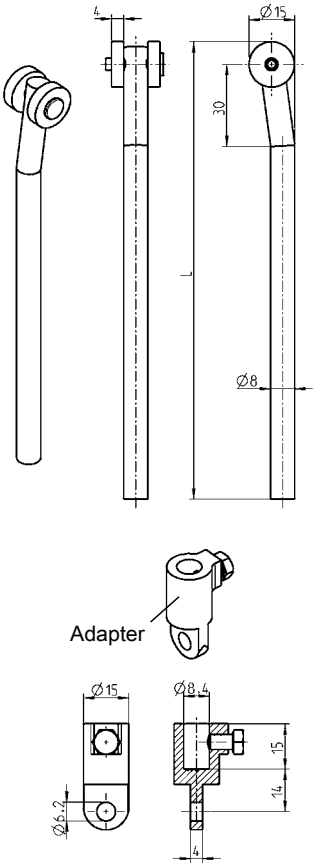
Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with eye m.s. zinc-plated	
L in mm	
400	1000-33
500	1000-34
600	1000-35
700	1000-36
800	1000-37
900	1000-38
1000	1000-39
1100	1000-114
1200	1000-115

Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

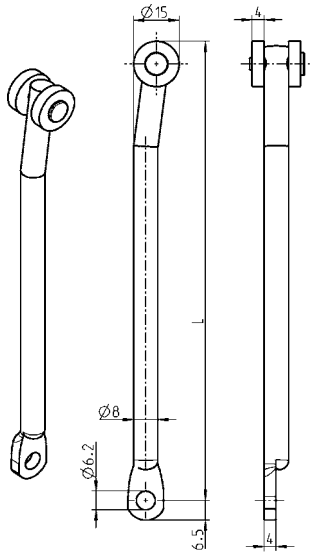
Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod m.s. zinc-plated or AISI 304 with roller polyamide black		
L in mm	m.s. zinc-plated	AISI 304
600	1049-U3	1049-U12
700	1049-U4	1049-U13
800	1049-U5	1049-U14
900	1049-U6	1049-U15
1000	1049-U7	1049-U16
1100	1049-U8	1049-U17
1200	1049-U9	–
Adapter	zinc die m.s. zinc-plated	AISI 303
	1000-U49	1000-U141

Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

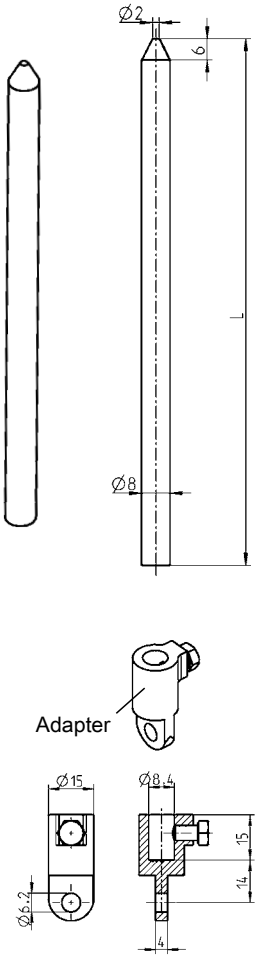
Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with eye material of choice, rollers polyamide black
m.s. zinc-plated for rod control
1121-U30-L mm
(1121-U30-01 to -08 see price list)
m.s. zinc-plated for cam (eye turned by 90°)
1000-U144-L mm
(1000-U144-01 to -17 see price list)
AISI 304 for cam (eye turned by 90°)
1000-U538-L mm
(1000-U538-01 to -09 see price list)

Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with pointed end, m.s. zinc-plated
1049-19-L mm
(1049-19-01 to -17 see price list)
Adapter zinc die m.s. zinc-plated
1000-U49

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EDELSTAHL Rostfrei STAINLESS STEEL

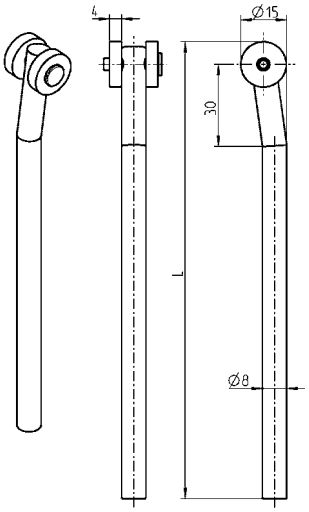
Minimum order quantity: 200 pieces
Smaller quantities on request!

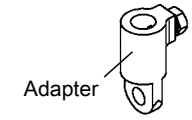
L ≤ 1200

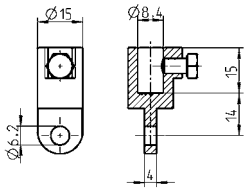
Order example: Order no. for a round rod with rollers and a length of 1034 mm = 1049-18-L 1034

Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120

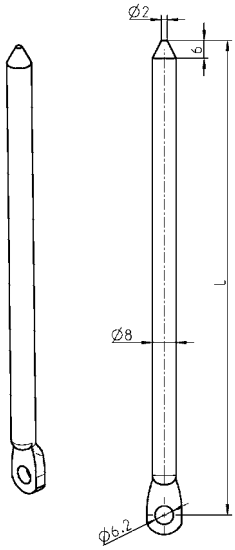




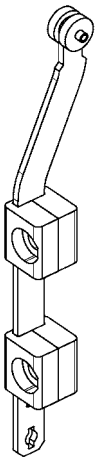


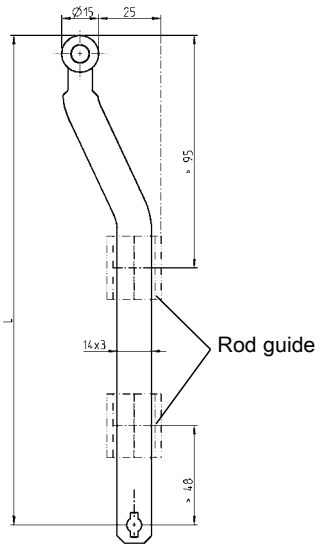
Application:
Program 1125, 1150, 1225, 1325, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

Program 1107, 1125, 1180, 1225, 1317, 1325, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Application:
Program 1125, 1150, 1160, 1180, 1225, 1325, 2100, 2225, 3000
– Rod control 3D-120
3D-140
3E-120
3E-140
3YA-110
3YA-115
3YA-120
3YA-160
3YA-180
3YA-220
3YA-420
3YA-480
3YA-520
3YA-540











Round rod m.s. zinc-plated, rollers polyamide black	Round rod with eye and with pointed end m.s. zinc-plated	Flat rod m.s. zinc-plate, rollers polyamide black
1049-U18-L mm	1000-211-L mm	1121-U28-L mm
(1049-U18-01 to -17 see price list)	(1000-211-01 to -17 see price list)	(1121-U28-01 to -08 see price list)
Adapter zinc die m.s. zinc-plated		**Flat rod without bore hole L = 1007.5**
1000-U49		1121-U148

Further parts see page
Rod guide
for flat rods 3ZC-120 to 3ZC-170
for round rods 3ZC-210
3ZC-220

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Connection rod with shoe

PROGRAM 1107 - 3000

AISI INOX

EDELSTAHL Rostfrei STAINLESS STEEL

Minimum order quantity: 200 pieces
Smaller quantities on request!

L ≤ 1200
Order sample:
Part no. of connecting rod m.s. zinc-plated for shoe
with length of 1034 mm = 1000-XXX-L 1034

Calculation of rod length L

$$L = \frac{X - Z}{2} + Y$$

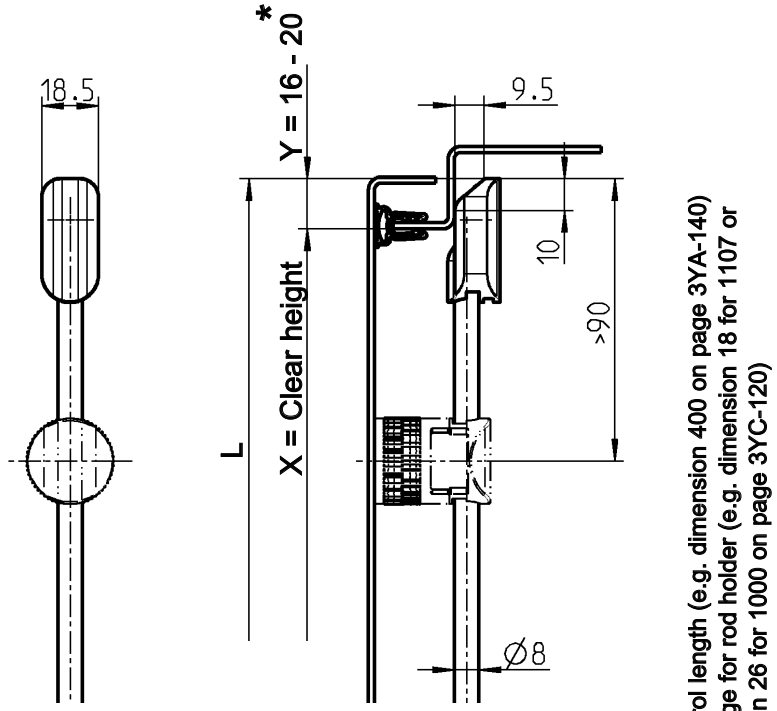
Application:
Program 1107, 1125, 1150, 1180, 1225, 1317, 1325, 2100, 3000

– Rod control	3YA-140; 3YA-160; 3YA-180; 3YA-240
- Cams	3YB-420; 3YB-440; 3YB-460; 3YC-120; 3YC-140; 3YC-180

* Dimension Y
depending on seal version







Z = Rod control length (e.g. dimension 400 on page 3YA-140)
Z = Cam gauge for rod holder (e.g. dimension 18 for 1107 or dimension 26 for 1000 on page 3YC-120)

Please indicate dimension L in the order

Round rod connection to rod control or cam and material of choice		
	m.s. zinc-plated	AISI 304
	on request	on request
Shoe polyamide GF black		
		1000-526-AA

Further parts see page

– Rod guide	3ZC-210 3ZC-220

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Rod with shoe

PROGRAM 1125 - 3000

EMKA Beschlagteile

Minimum order quantity: 200 pieces
Smaller quantities on request!

EDELSTAHL Rost frei STAINLESS STEEL

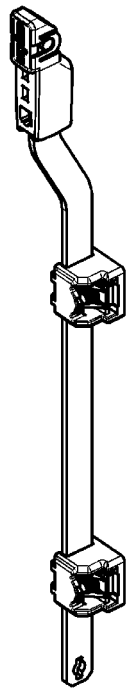
AISI INOX

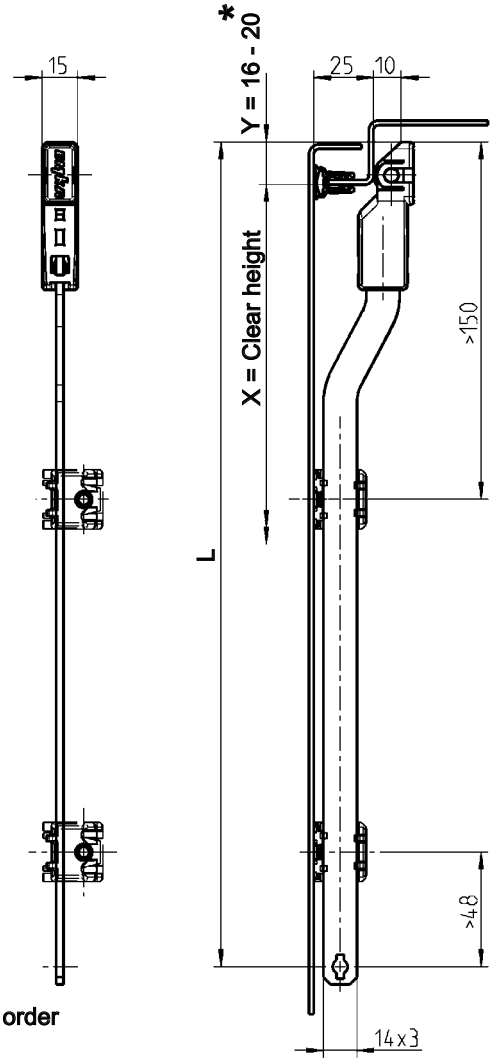
L ≤ 1200
Order sample:
Part no. of connecting rod m.s. zinc-plated for shoe complete with length of 1034 mm = 1121-U187-L 1034

Calculation of rod length L

$$L = \frac{X - Z}{2} + Y$$

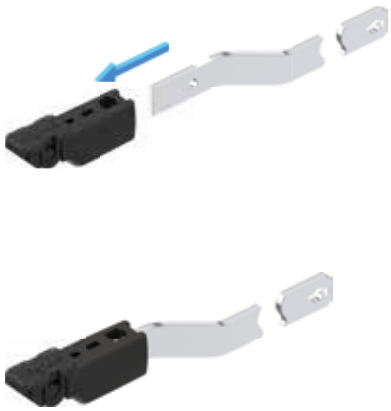
Application: Program 1125, 1150, 1160, 1180, 1225, 1325, 2100, 2225, 3000
– Rod control 3D-120; 3D-140; 3E-140; 3J-120; 3YA-110, 3YA-115, 3YA-120; 3YA-160; 3YA-180; 3YA-220; 3YA-420; 3YA-480; 3YA-520; 3YA-540





Please indicate dimension L in the order

* Dimension Y
depending on seal version



Rod with shoe completely mounted, flat rod material of choice, shoe polyamide GF black, roller polyamide black		
	m.s. zinc-plated	**AISI 304**
	1121-U187-L mm	on request
	(1121-U187-01 to -08 see price list)	

Rod without bore holes with shoe ready mounted, flat rod without bore holes material of choice, shoe polyamide GF black, roller polyamide black		
	m.s. zinc-plated	**AISI 304**
L + 7.5 = 1007.5	1121-U189	on request

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

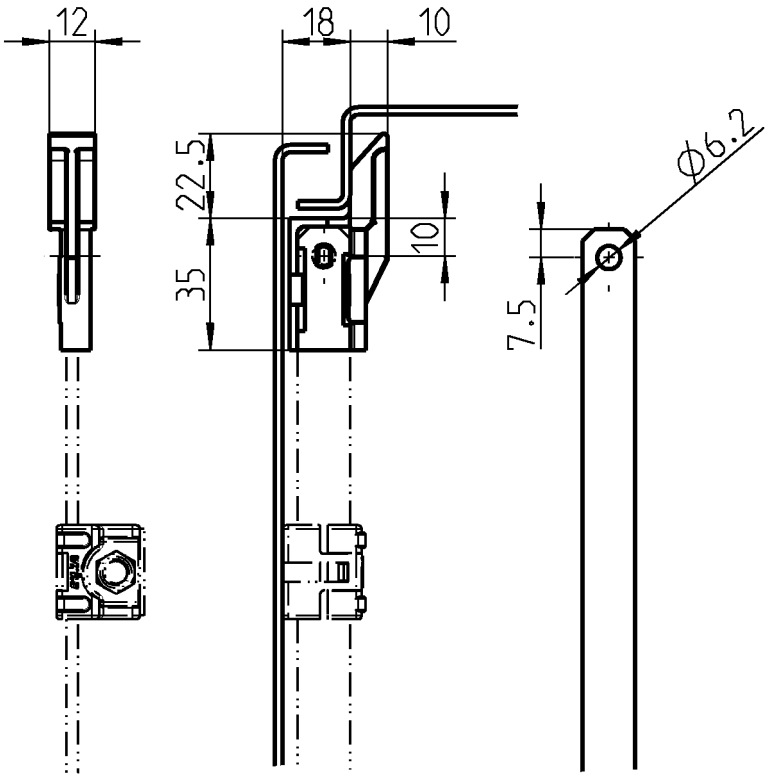
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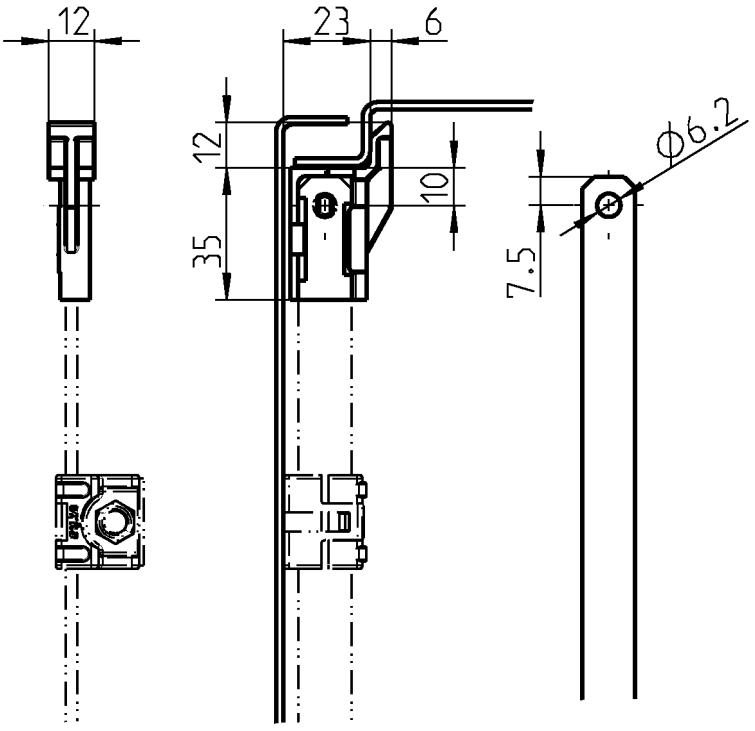
Shoe for flat rod

PROGRAM 1125 - 3000





Shoe polyamide GF black	
Long version	1121-112



Shoe polyamide GF black	
Short version	1121-113

Further parts see page
– Rod guide for flat rods 3ZC-120 to 3ZC-170
– Rod on request

Program 1125, 1150, 1160, 1180, 1225, 1325, 2100, 2225, 3000
– Rod control 3D-120, 3D-140, 3E-120, 3E-140, 3YA-110, 3YA-115, 3YA-120, 3YA-160, 3YA-180, 3YA-220, 3YA-420, 3YA-480, 3YA-520, 3YA-540

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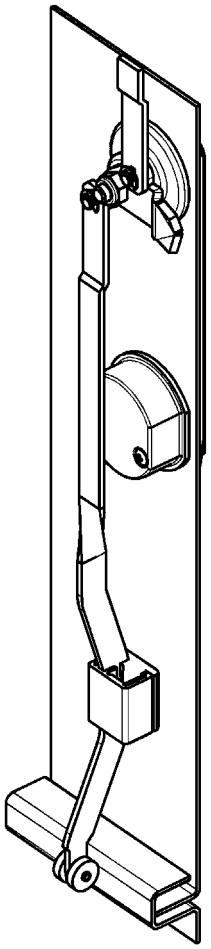
Rod for cam, stroke 26 mm

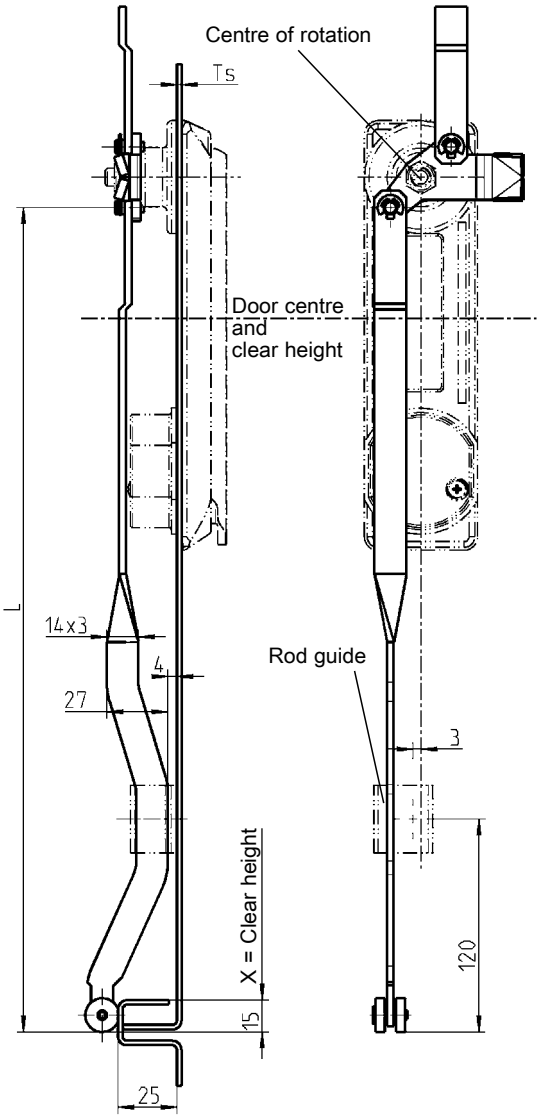
PROGRAM 1107, 1317

EMKA® Beschlagteile

Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L		Swinghandle long	Swinghandle short
Upper rod	$L = \frac{X}{2}$	– 63	- 50.5
Lower rod	$L = \frac{X}{2}$	+ 67	+ 54.5
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$ + 2		





Ts = 2
Other door thicknesses on request!



Note:
Swinghandle with cut out
Hole distance
130 mm = long
105 mm = short

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1107, 1317
– Cam with stroke 26 3YC-120

Flat rod m.s. zinc-plated, rollers polyamide black

	1121-U144-L mm
	(1121-U144-01 to -08 see price list)

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EMKA® Beschlagteile

Rod for cam with stroke 26 mm

PROGRAM 1125, 1225, 1325, 3000

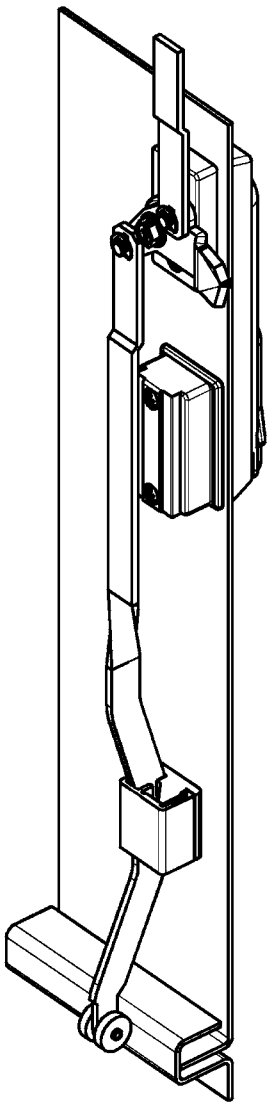




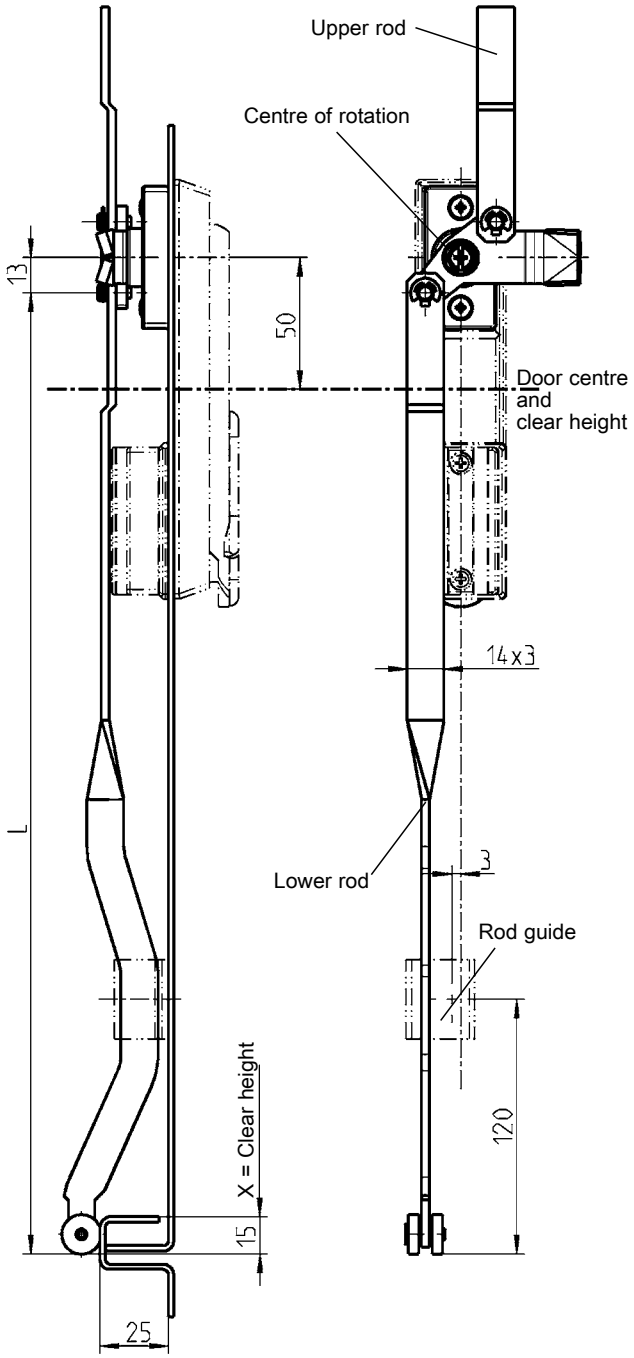
Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L

Upper rod	$L = \frac{X}{2} - 48$
Lower rod	$L = \frac{X}{2} + 52$
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2} + 2$



Ts = 2
Other door thicknesses on request!



Flat rod m.s. zinc-plated, rollers polyamide black

	1121-U144-L mm
	(1121-U144-01 to -08 see price list)

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170
Program 1125, 1225, 1325, 3000
– Cam with stroke 26 3YB-420

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Rod for cam with stroke 26 mm

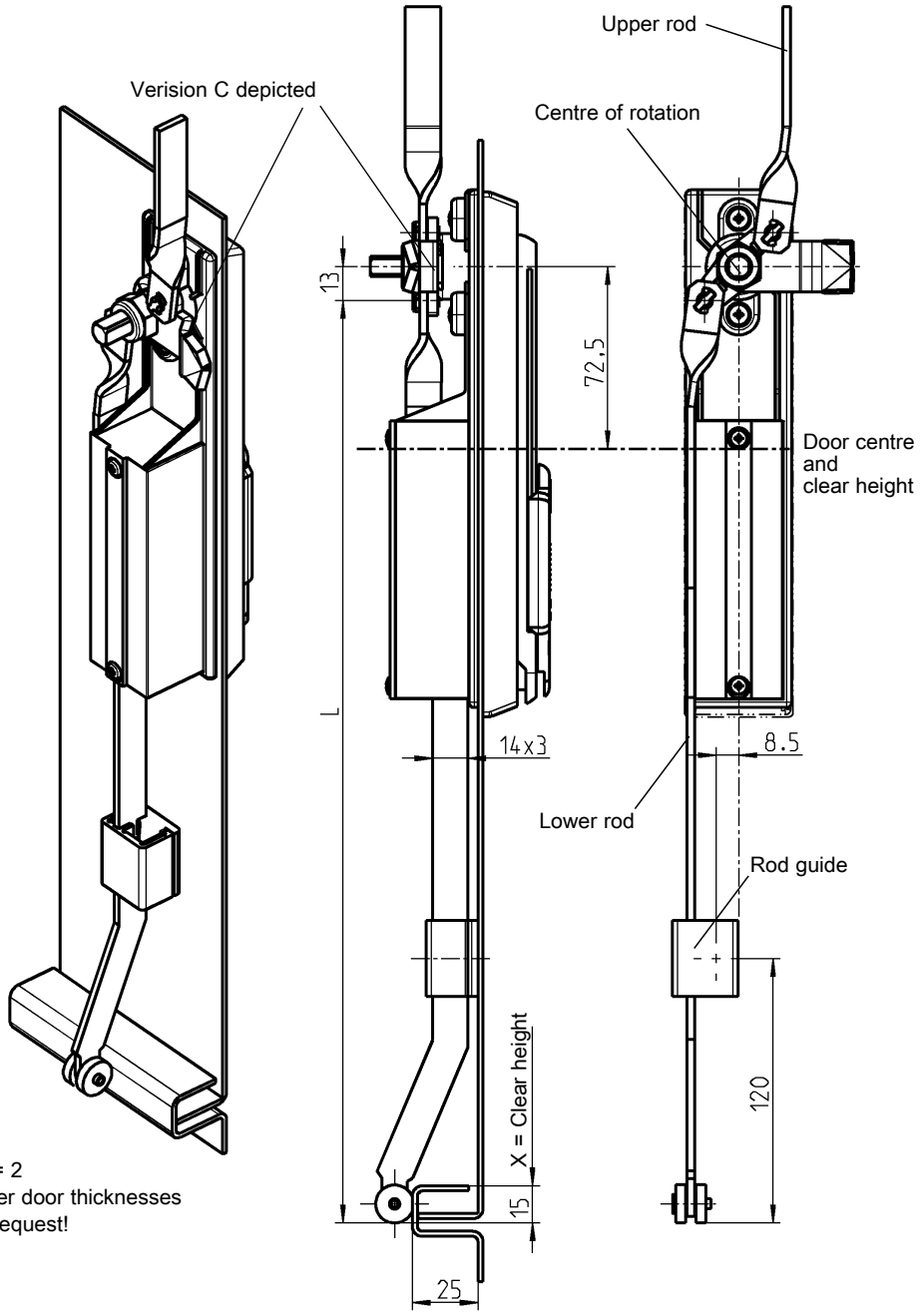
PROGRAM 1125

EMKA Beschlagteile

Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L

Upper rod	$L = \frac{X}{2}$	– 70.5
Lower rod	$L = \frac{X}{2}$	+ 74.5
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$	+ 2



Ts = 2
Other door thicknesses on request!



Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1125
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc-plated, rollers polyamide black		
Left	1121-U146-L mm	(1121-U146-01 to -08)
Right (depicted)	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

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EMKA® Beschlagteile

Rod for cam with stroke 26 mm

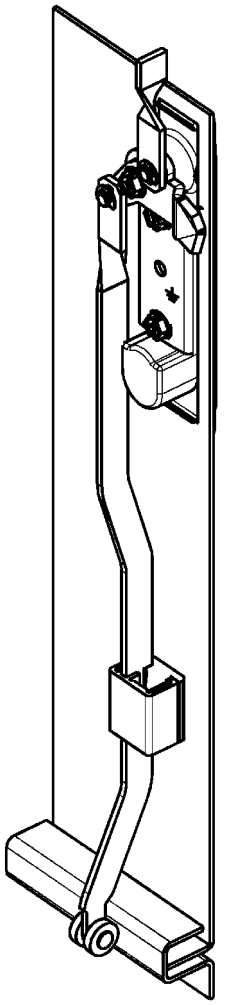
PROGRAM 1150



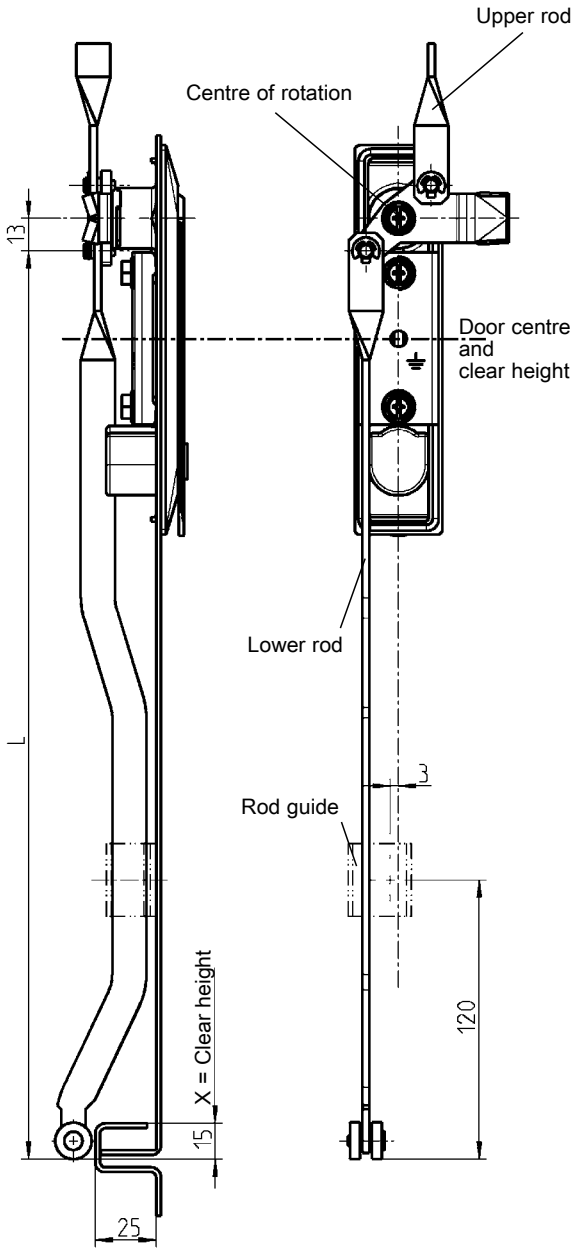
Minimum order quantity: 200 pieces

Smaller quantities on request

Calculation of rod length L:	Version	Swinghandle see note A	B
Upper rod	$L = \frac{X}{2}$	– 28	- 48
Lower rod	$L = \frac{X}{2}$	+ 32	+ 52
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$ + 2		



Ts = 2
Other door thicknesses on request!



Note:
Calculation of the connection rod version A or B suitable for
– Swinghandle 1150 3C-120 = A
3C-120 = B
– Swinghandle 1150 3C-140 = B
– Swinghandle 1155 3C-620 = B

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1150
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc-plated, rollers polyamide black

1121-U145-L mm

(1121-U145-01 to -08 see price list)

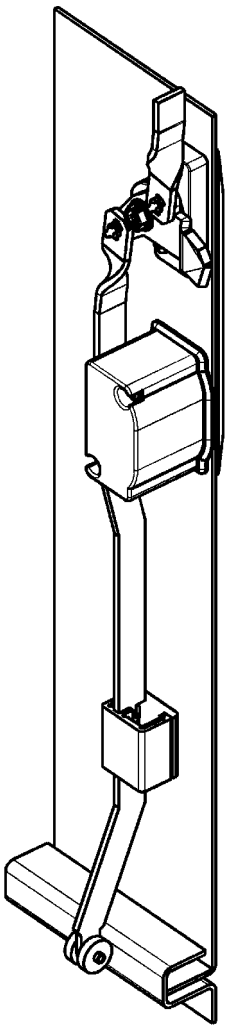
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Rod for cam with stroke 26 mm

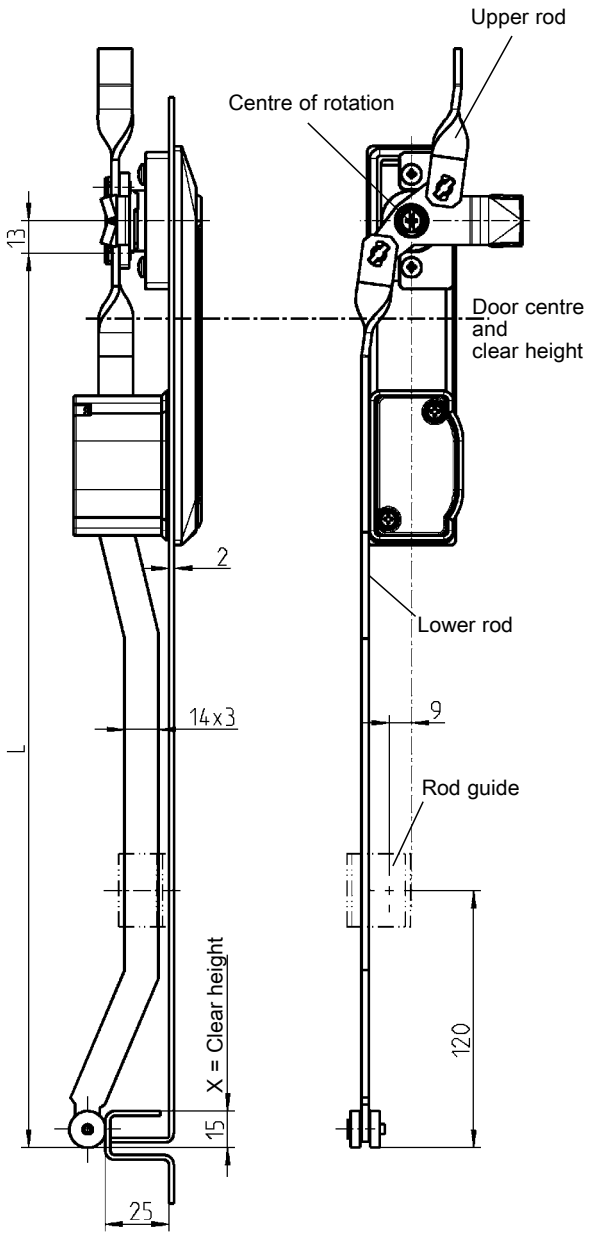
PROGRAM 1150, 2225

Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L:	Version	Swinghandle see note A	B	C
Upper rod	$L = \frac{X}{2}$	– 48	– 54	– 70.5
Lower rod	$L = \frac{X}{2}$	+ 52	+ 58	+ 74.5
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$ + 2			



Ts = 2
Other door thicknesses on request!





Note:
Calculation of the connection rod version A,B or C suitable for
– Swinghandle 1154 3C-220 = A
– Swinghandle 1153 3C-320 = A
– Swinghandle 1154 3C-260 = B
– Swinghandle 1154 3C-280 = C
– Swinghandle 1151 3C-420 = C
– Swinghandle 2225 3J-120 = A

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1150
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc-plated, rollers polyamide black		
Left	1121-U146-L mm	(1121-U146-01 to -08)
Right (depicted)	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

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EMKA® Beschlagteile

Rod for cam with stroke 26 mm

PROGRAM 1180

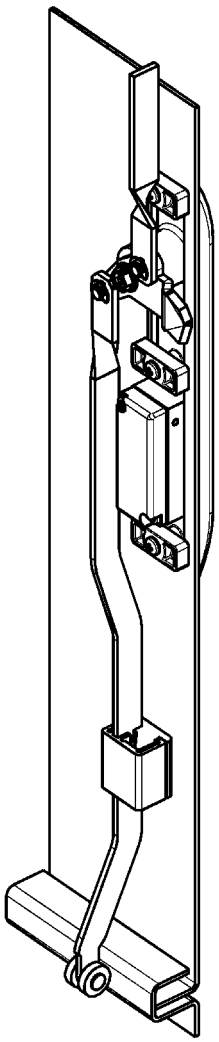


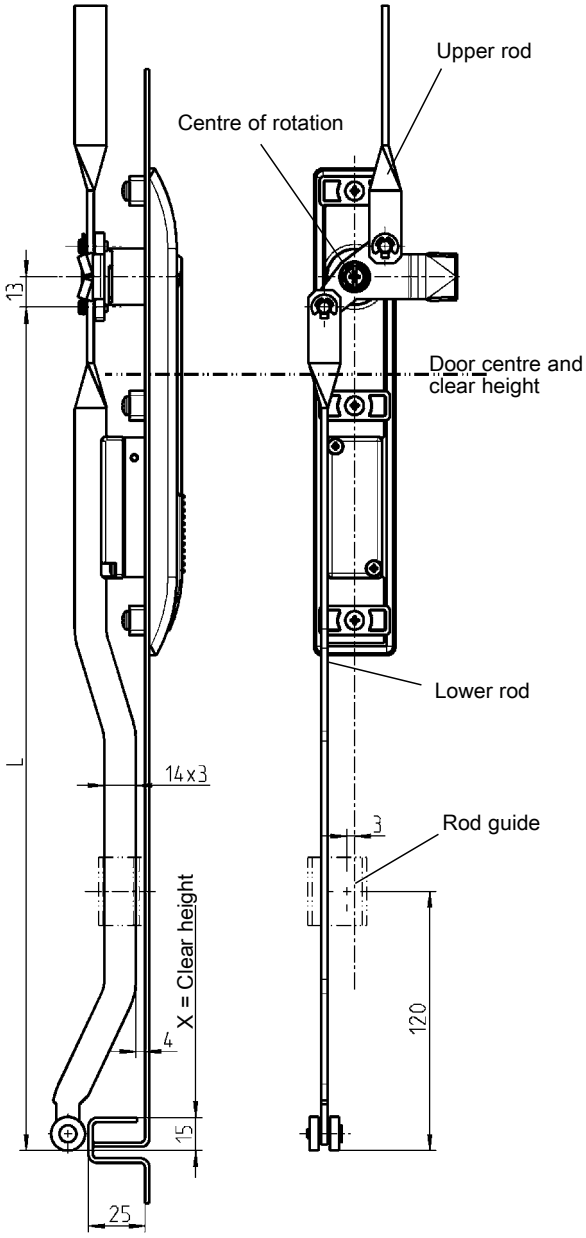


Minimum order quantity: 200 pieces

Smaller quantities on request

Calculation of rod length L:	Version	Swinghandle see note A	B
Upper rod	$L = \frac{X}{2}$	– 55	– 70.5
Lower rod	$L = \frac{X}{2}$	+ 59	+ 74.5
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$ + 2		





Ts = 2
Other door thicknesses on request!

Note:
Calculation of the connection rod version A or B suitable for
– Swinghandle 1180 3E-320 = A
– Swinghandle 1185 3E-520 = B

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1180
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc-plated, rollers polyamide black

1121-U145-L mm

(1121-U145-01 to -08 see price list)

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Rod for cam with stroke 26 mm

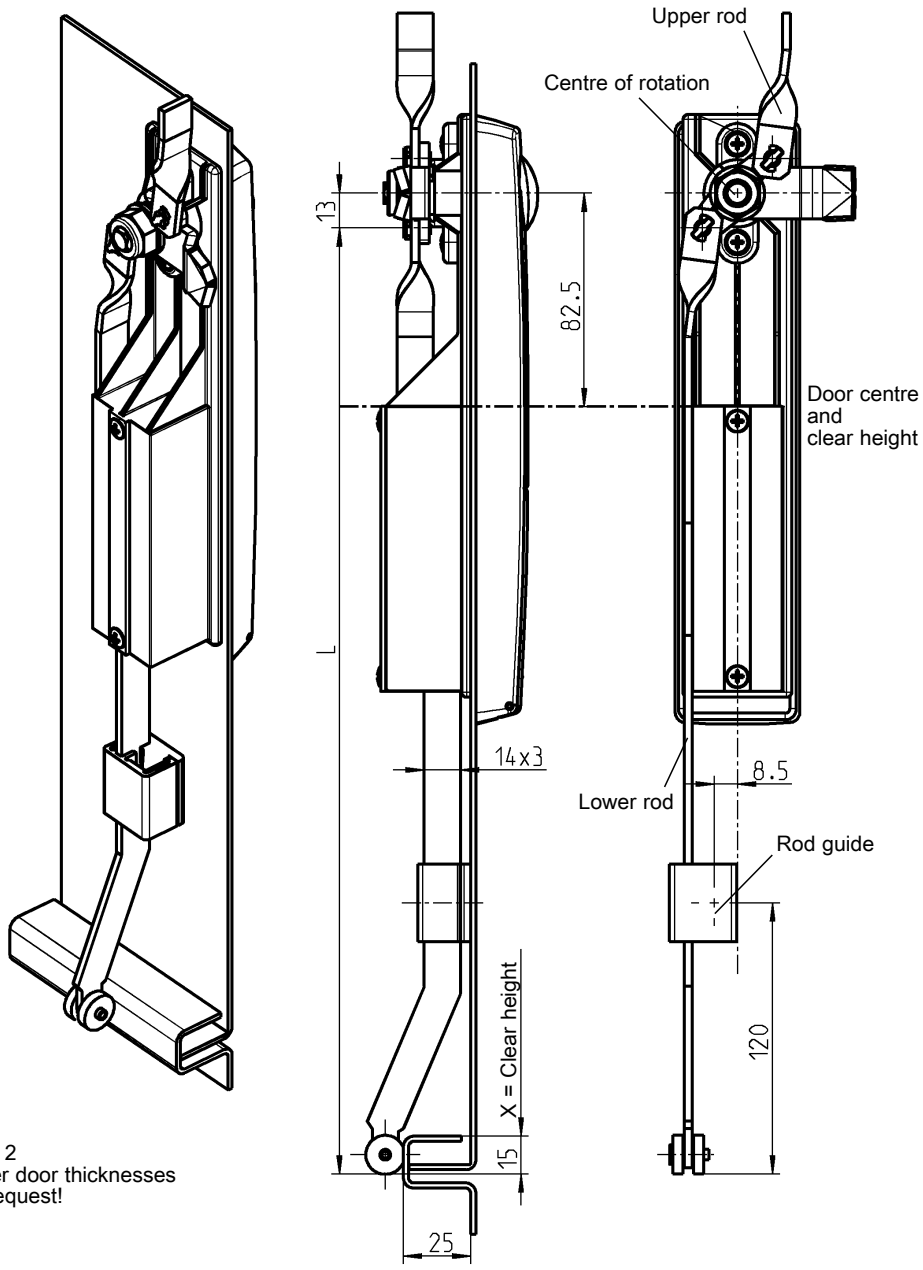
PROGRAM 1225

EMKA® Beschlagteile

Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L

Upper rod	$L = \frac{X}{2}$	– 80.5
Lower rod	$L = \frac{X}{2}$	+ 84.5
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2}$	+ 2



Ts = 2
Other door thicknesses on request!



Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 1225
– Cam with stroke 26 3YC-140

Flat rod m.s. zinc-plated, rollers polyamide black		
Left	1121-U146-L mm	(1121-U146-01 to -08)
Right (depicted)	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

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Rod for cam with stroke 26 mm

PROGRAM 2100

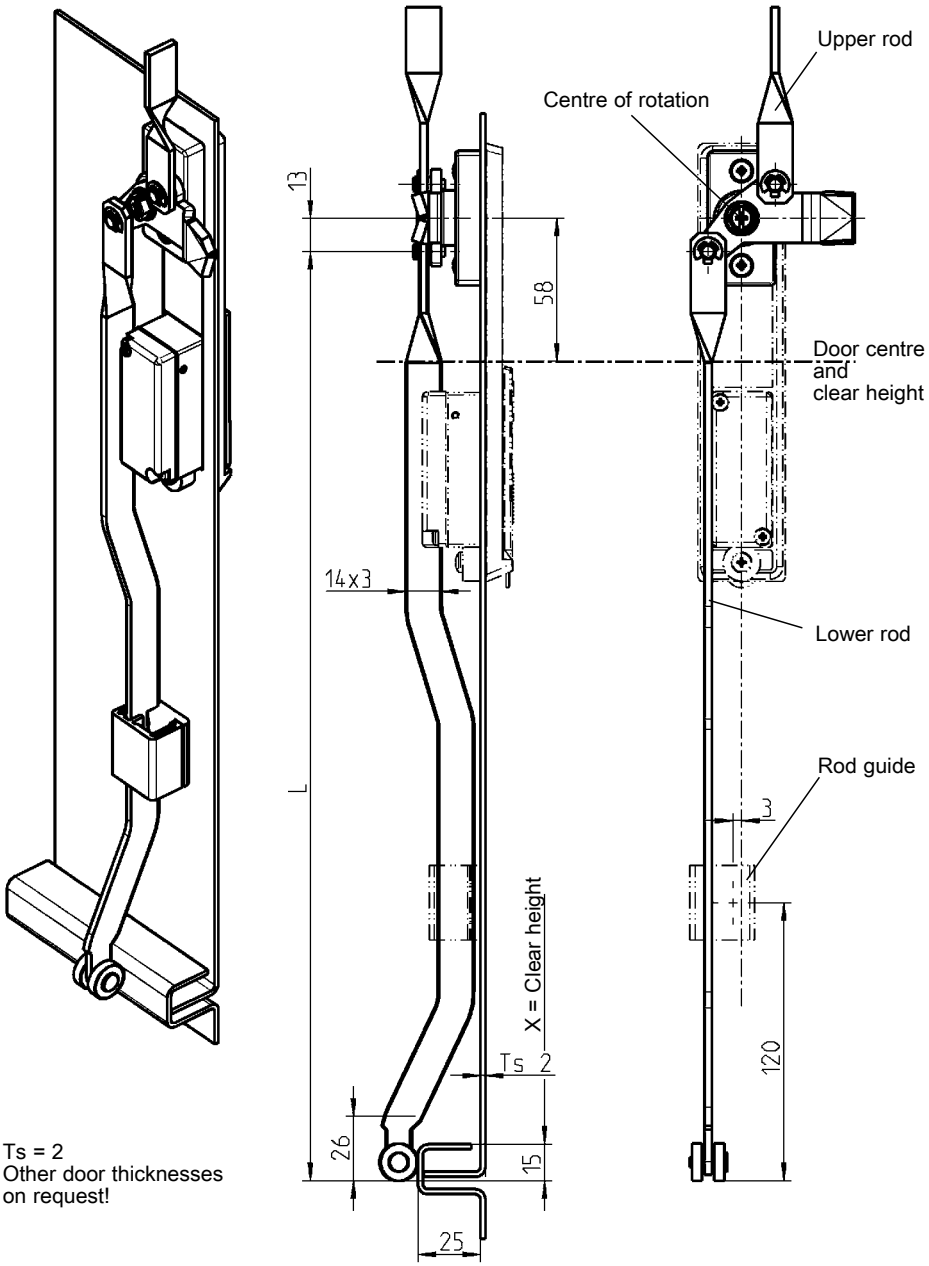




Minimum order quantity: 200 pieces
Smaller quantities on request

Calculation of rod length L

Upper rod	$L = \frac{X}{2} - 56$
Lower rod	$L = \frac{X}{2} + 60$
Pivot point centre door, top and bottom same rod length	$L = \frac{X}{2} + 2$



Ts = 2
Other door thicknesses on request!

Flat rod m.s. zinc-plated, rollers polyamide black

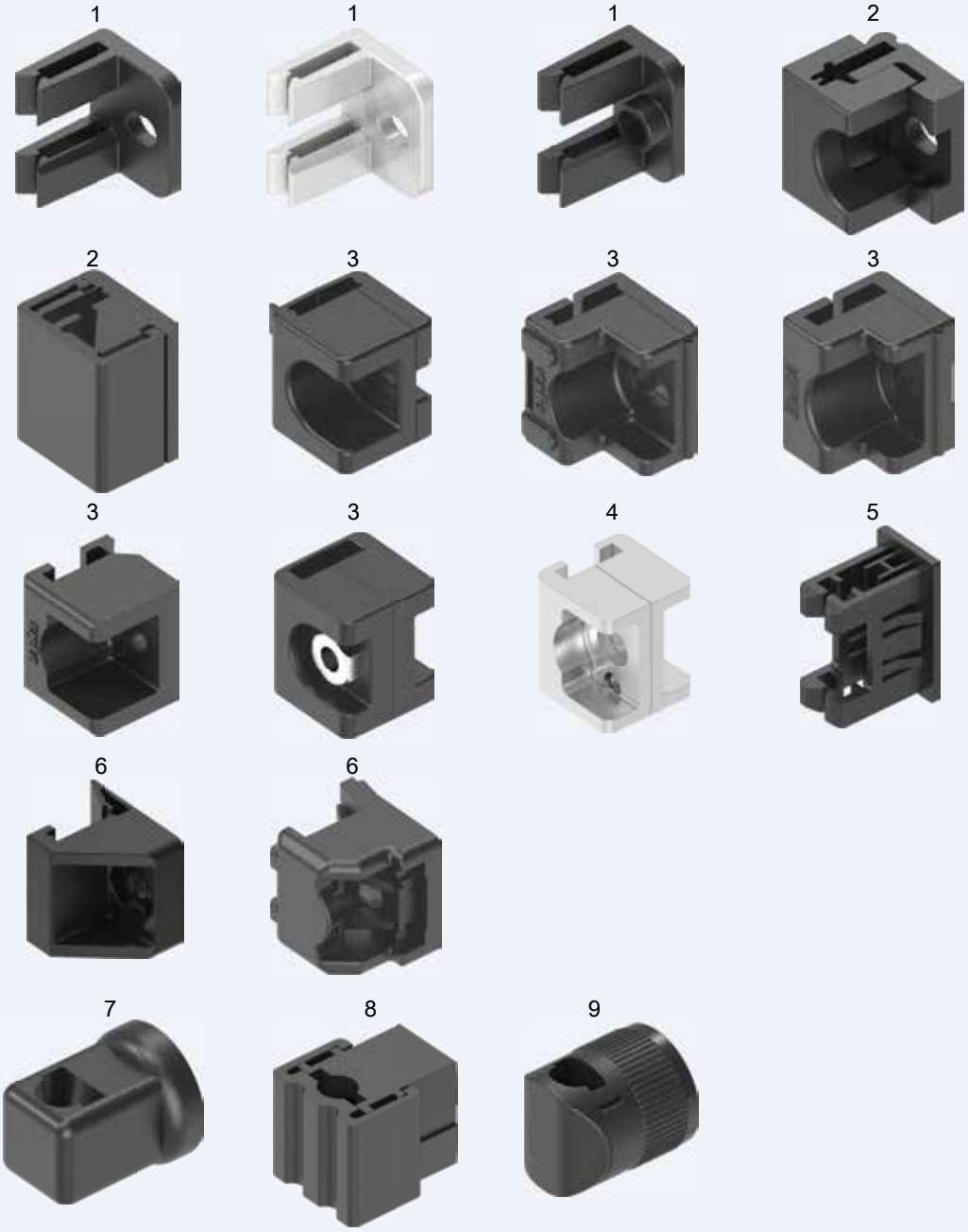
	1121-U145-L mm
	(1121-U145-01 to -08 see price list)

Further parts see page
– Rod guide 3ZC-120 to 3ZC-170

Program 2100
– Cam with stroke 26 3YB-420

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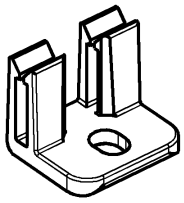
Rod guide
Program 1107, 1125, 1150, 1160, 1180, 1190, 1225, 1317, 1325, 2100, 2400, 3000

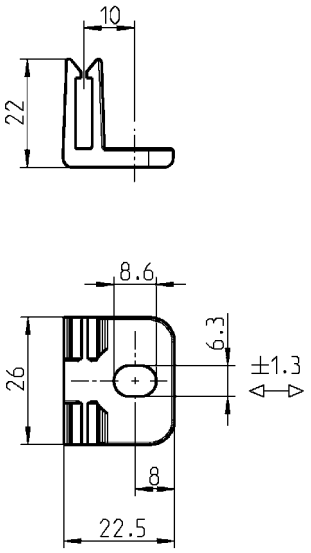


1 for flat rod 3 x 14, flat rod is clipped in
2 for flat rod 3 x 14, cover is clipped in
3 for flat rod 3 x 14, rod guide can be pre-assembled on rod
4 for flat rod 3 x 14, rod guide made of stainless steel
5 for flat rod 3 x 14, rod guide clip-in and flat rod will clipped in
6 for flat rod 3 x 14, rod guide is clipped on and flat rod is clipped in
7 for round rod Ø 8
8 for round rod Ø 8, bottom part of rod guide is pre-assembled
9 for round rod Ø 8, rod guide is rod guide is plugged on and screwed tight

Rod guide for flat rod 3x14

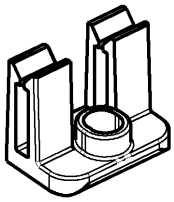
PROGRAM 1107 - 3000

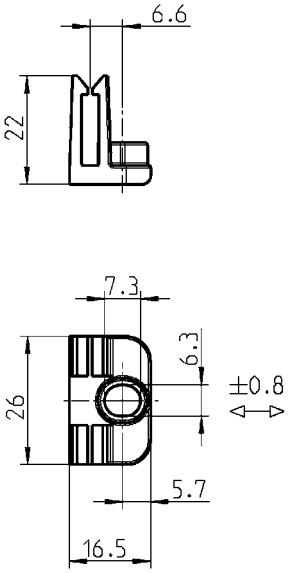




Flat rod will clip-in

Rod guide polyamide colour of choice for weld stud M6x12	
black	1121-89
silver grey metallic	1121-89-CX

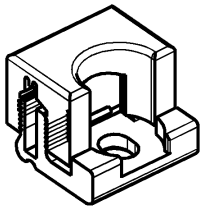


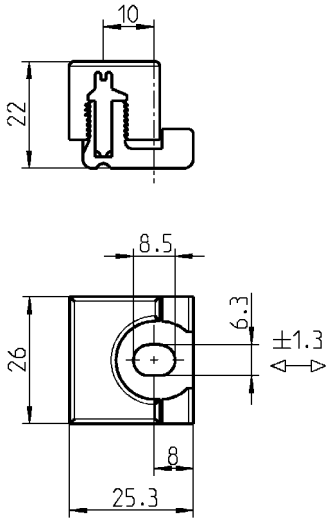


Flat rod will clip-in

For small bending area!

Rod guide polyamide black for rivet nut Ø 6x8-M4 and oval head screw DIN 7045 M4x6	
	1121-89-11

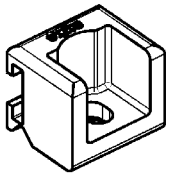


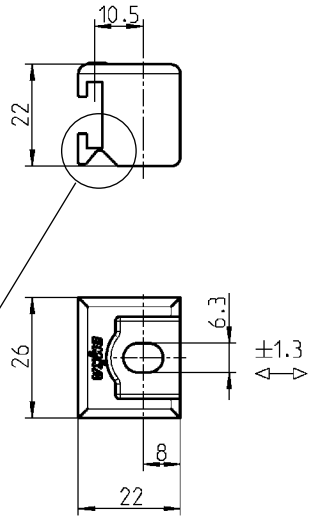


Pre-assembly of the bottom part possible!

Cover will clip-on!

Rod guide polyamide black for weld stud M6x12	
	1121-U91

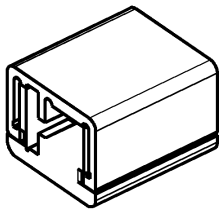


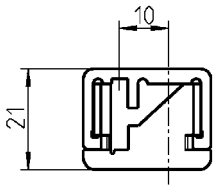


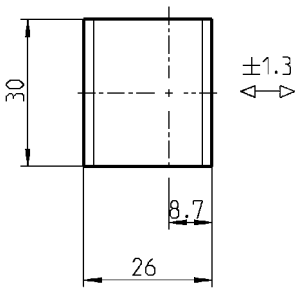
Rod guide can be pre-assembled on flat rod!

Rod guide polyamide black for weld stud M6x10, M6x12 or M6x16	
	1121-19

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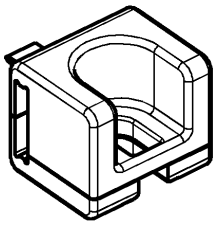


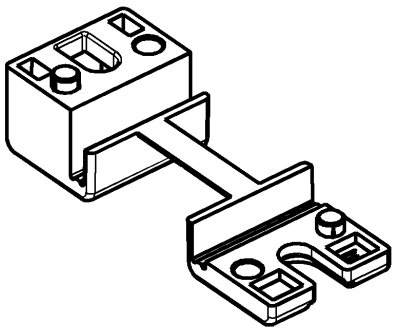
Pre-assembly of the bottom part possible!

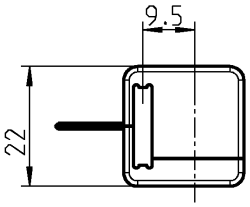
Cover will clip-on!

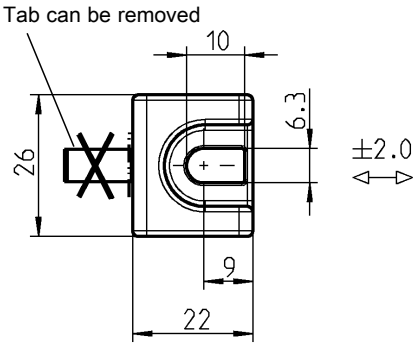
Rod guide polyamide black for weld stud M6x12

1121-U151









Rod guide can be pre-assembled on flat rod!

Rod guide polyamide black for weld stud M6x16 or M6x20

1121-19-N



Further parts see page

Program 1107, 1317
– Rods 3ZB-320

Program 1125, 1225, 1325
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-420
(only for 1125) 3ZB-440
(only for 1225) 3ZB-720

Program 1150
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-520, 3ZB-540

Program 1160
– Rods 3ZA-120 to 3ZA-420, 3ZB-120 to 3ZB-220

Program 1180
– Rods 3ZA-120 to 3ZA-340, 3ZA-520, 3ZB-120 to 3ZB-220, 3ZB-620

Program 1190
– Rods 3ZA-120 to 3ZA-340

Program 2100
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-820

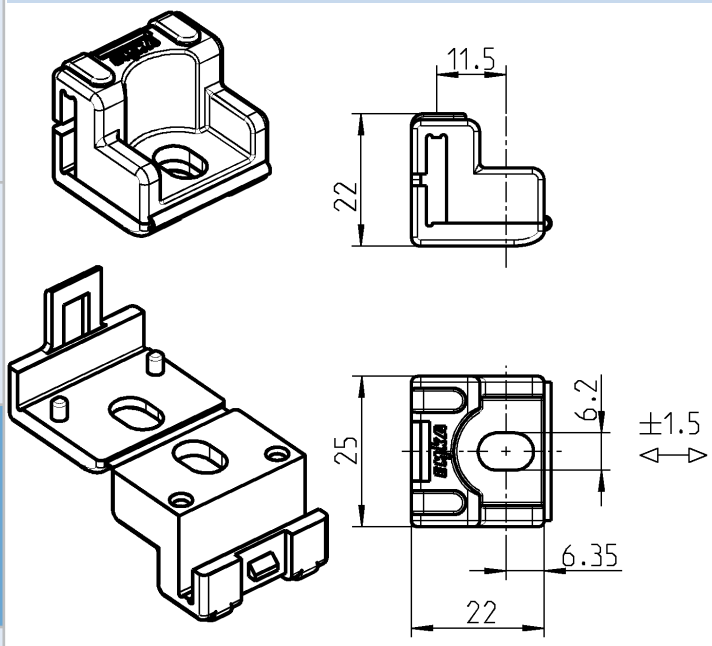
Program 2400
– Rods 3ZA-820

Program 3000
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220

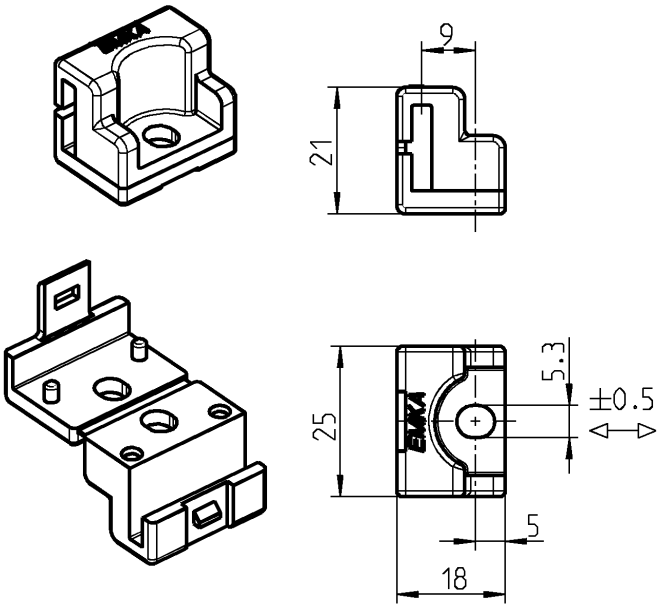
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Rod guide for flat rod 3x14

PROGRAM 1107, 1125, 1150, 1160, 1180, 1190, 1225, 1325, 2100, 2300 - 3000



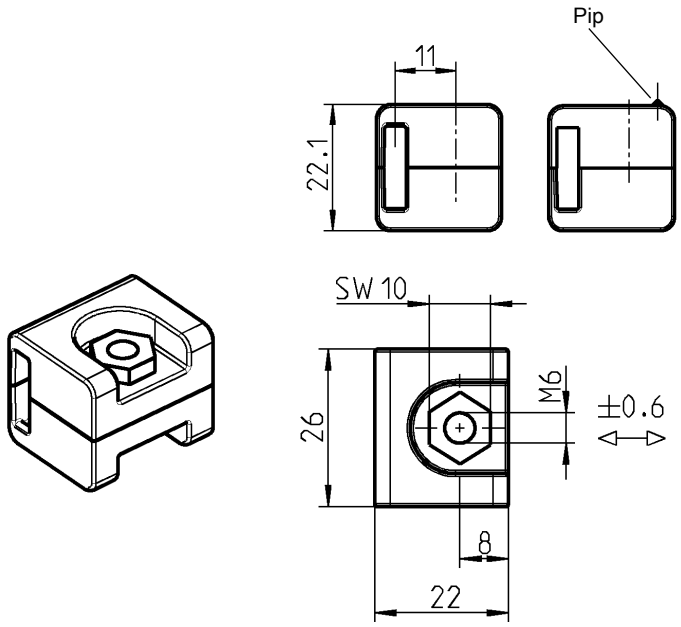
Rod guide can be pre-assembled on flat rod!



Rod guide can be pre-assembled on flat rod!

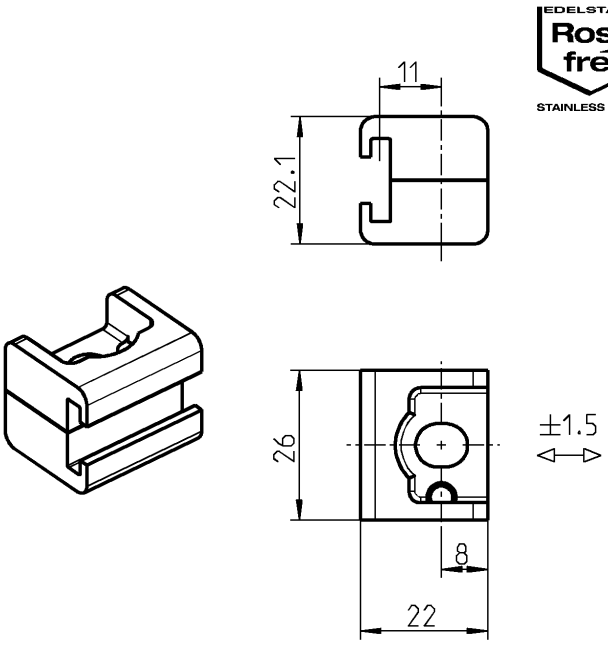
Rod guide polyamide black for weld stud M6x12	1121-109

Rod guide polyamide black for weld stud M5x12	1121-106



Rod guide can be pre-assembled on flat rod!

Pips avoid 'door rattling'

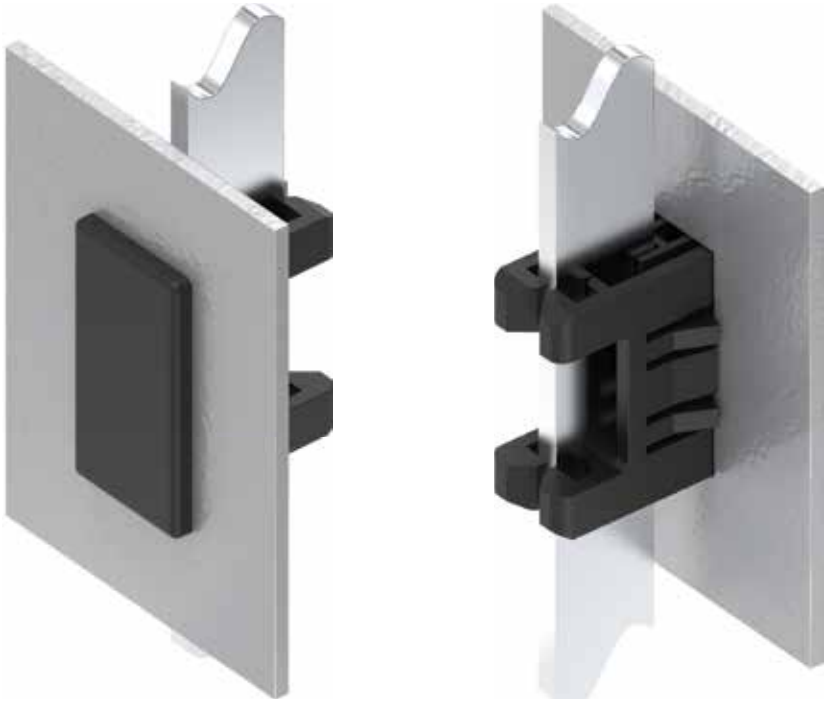


Rod guide can be pre-assembled on flat rod!

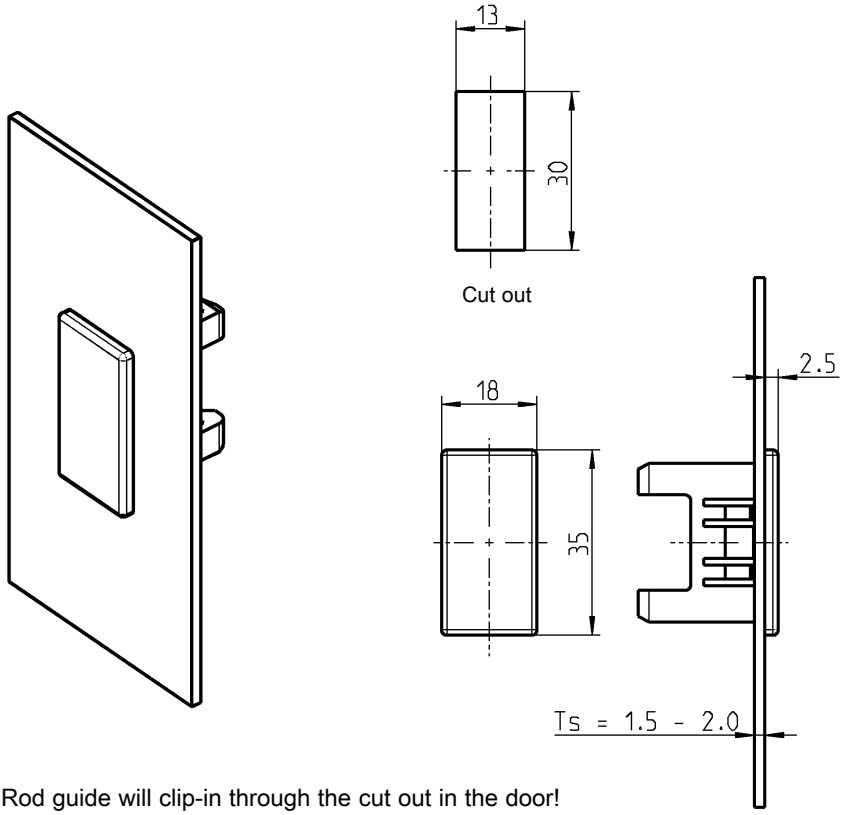
Rod guide polyamide black, safety nut m.s. zinc-plated for weld studs or countersunk screw M6x16 or M6x20	
without pip	1121-U71-N
with pip	1121-U74-N

Rod guide AISI 316 for weld studs or countersunk screw M6x20	
	1121-U71-PH

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ADVANTAGE
The fastest assembly without weld studs



Rod guide will clip-in through the cut out in the door!
Flat rod will clip-in

Further parts see page

Program 1107, 1317
– Rods 3ZB-320

Program 1125, 1225, 1325
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-420
(only for 1125) 3ZB-440
(only for 1225) 3ZB-720

Program 1150
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-520, 3ZB-540

Program 1160
– Rods 3ZA-120 to 3ZA-420, 3ZB-120 to 3ZB-220

Program 1180
– Rods 3ZA-120 to 3ZA-340, 3ZA-520, 3ZB-120 to 3ZB-220, 3ZB-620

Program 1190
– Rods 3ZA-120 to 3ZA-340

Program 2100
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-820

Program 2400
– Rods 3ZA-820

Program 3000
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220

Rod guide polyamide black

2300-04

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Rod guide clip-in for flat rod 3x14

PROGRAM 1107 - 3000

Pull-out force: Fmax. = 350 N
Application force: Typical value F ≈ 135 N

These values refer to threads with surface raw or zinc-plated and grease-free.







Further parts see page

Program 1107, 1317
– Rods 3ZB-320

Program 1125, 1225, 1325
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-420
(only for 1125) 3ZB-440
(only for 1225) 3ZB-720

Program 1150
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-520, 3ZB-540

Program 1160
– Rods 3ZA-120 to 3ZA-420, 3ZB-120 to 3ZB-220

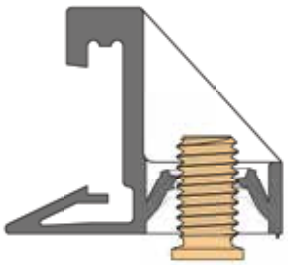
Program 1180
– Rods 3ZA-120 to 3ZA-340, 3ZA-520, 3ZB-120 to 3ZB-220, 3ZB-620

Program 1190
– Rods 3ZA-120 to 3ZA-340

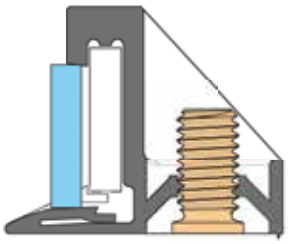
Program 2100
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-820

Program 2400
– Rods 3ZA-820

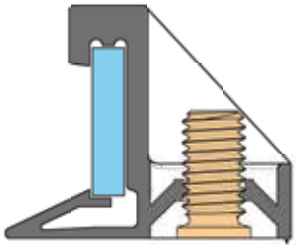
Program 3000
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220



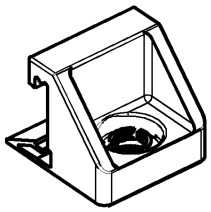
1.
Mounting the rod guide on the weld stud

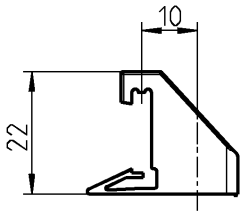


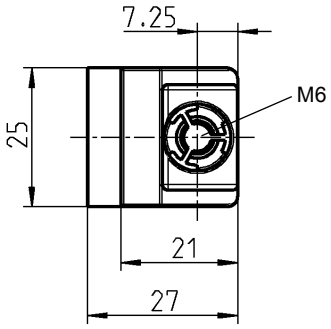
2.
Mounting the flat rod into the rod guide



3.
Rod guide ready mounted







Rod guide clip-in plastic black
for weld stud M6x10 or M6x12

1121-127

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Rod guide clip-in for flat rod 3x14

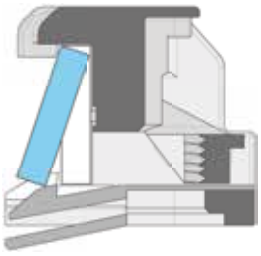
PROGRAM 1107 - 3000

Pull-out force: Fmax. = 650 N
Application force: Typical value F = very low

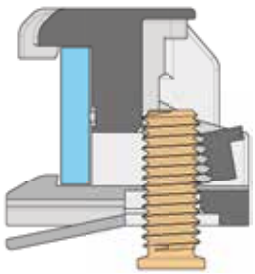
These values refer to threads with a grease-free surface.



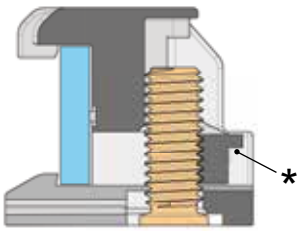




1.
Mounting the flat rod into the rod guide

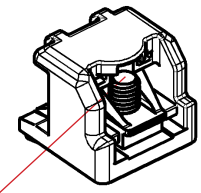


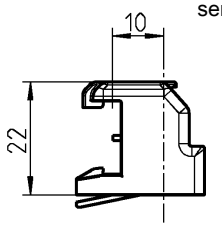
2.
Mounting the rod guide on the weld stud

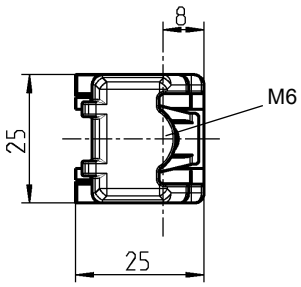


3.
Rod guide ready mounted

*
Tab must be lifted for disassembly







ADVANTAGE
The rod guide can also be clipped in in case of powder-coated weld studs and still provides a high pull-out force!

Rod guide clip-in polyamide black for weld stud M6x16 or M6x20

1121-135

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Further parts see page

Program 1107, 1317
– Rods 3ZB-320

Program 1125, 1225, 1325
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-420
(only for 1125) 3ZB-440
(only for 1225) 3ZB-720

Program 1150
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-520, 3ZB-540

Program 1160
– Rods 3ZA-120 to 3ZA-420, 3ZB-120 to 3ZB-220

Program 1180
– Rods 3ZA-120 to 3ZA-340, 3ZA-520, 3ZB-120 to 3ZB-220, 3ZB-620

Program 1190
– Rods 3ZA-120 to 3ZA-340

Program 2100
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220, 3ZB-820

Program 2400
– Rods 3ZA-820

Program 3000
– Rods 3ZA-120 to 3ZA-340, 3ZB-120 to 3ZB-220

EMKA Beschlagteile

® Rod guide for quick assembly for round rods 8 mm

PROGRAM 1107 - 3000







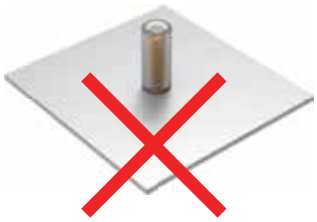
1.
Place the rod guide on the weld stud. (Hereby the time-consuming screwing is reduced considerbly.)



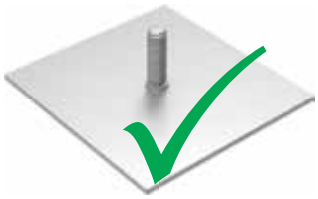
2.
Set the rod guide upright. This makes it snap into place noticeably and audibly. It can then be secured by only a few rotations.



3.
Rod guide is completely mounted.

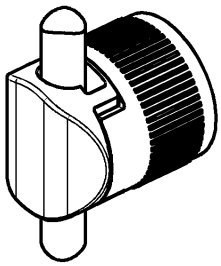


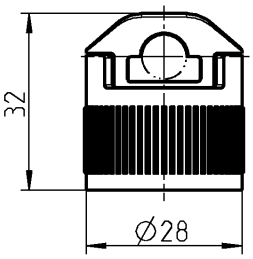


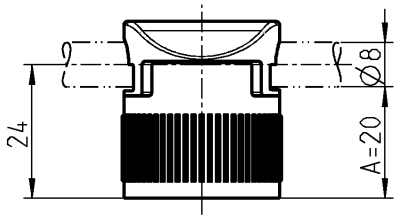


ADVANTAGE

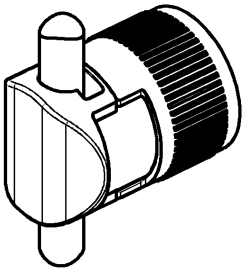
This rod guide is suitable for raw and powder-coated weld studs.
The covering of the weld stud before powdering can be omitted, this results in process optimization and cost saving.

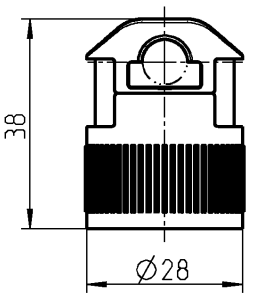


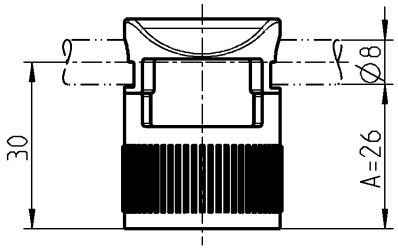




Note:
Rod guide suitable for dimensions of A=20 and A=26







Further parts see page

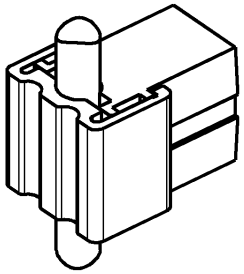
Program 1107, 1125, 1150, 1180, 1225, 1325, 2100, 3000
– Rods 3ZB-120
3ZB-180

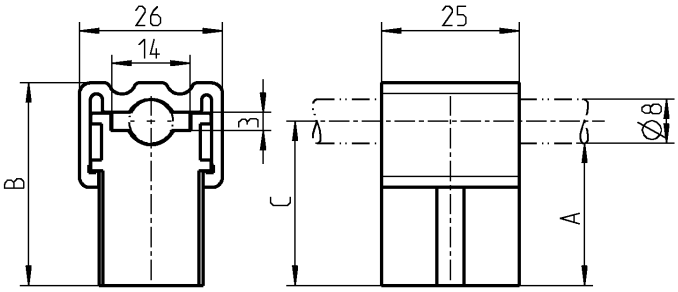
Rod guide polyamide GF black		
A	**for weld stud**	
20	M6x16	1001-U47
26	M6x20	

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Rod guide for round rods 8 mm

PROGRAM 1107 - 3000

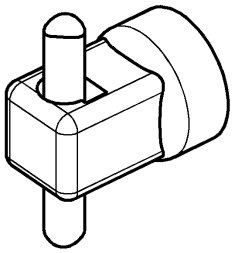


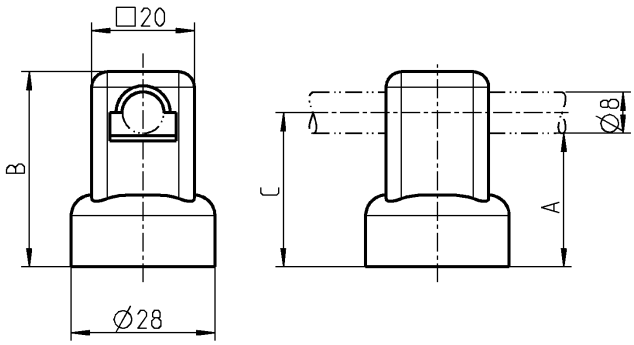




Note:
Rod guide can also be used for horizontal flat rods 3x14!

Rod guide polyamide black				
A	**B**	**C**	**for weld stud**	
20	31	24	M6x12 - 20	1001-U40
26	37	30	M6x12 - 20	1001-U41







Rod guide polyamide black with sunken nut m.s. zinc-plated				
A	**B**	**C**	**for weld stud**	
20	32	24	M6x16	1001-U11
26	38	30	M6x20	1001-U12

Further parts see page

Program 1107, 1125, 1150, 1180, 1225, 1325, 2100, 3000
– Rods 3ZB-120
3ZB-180

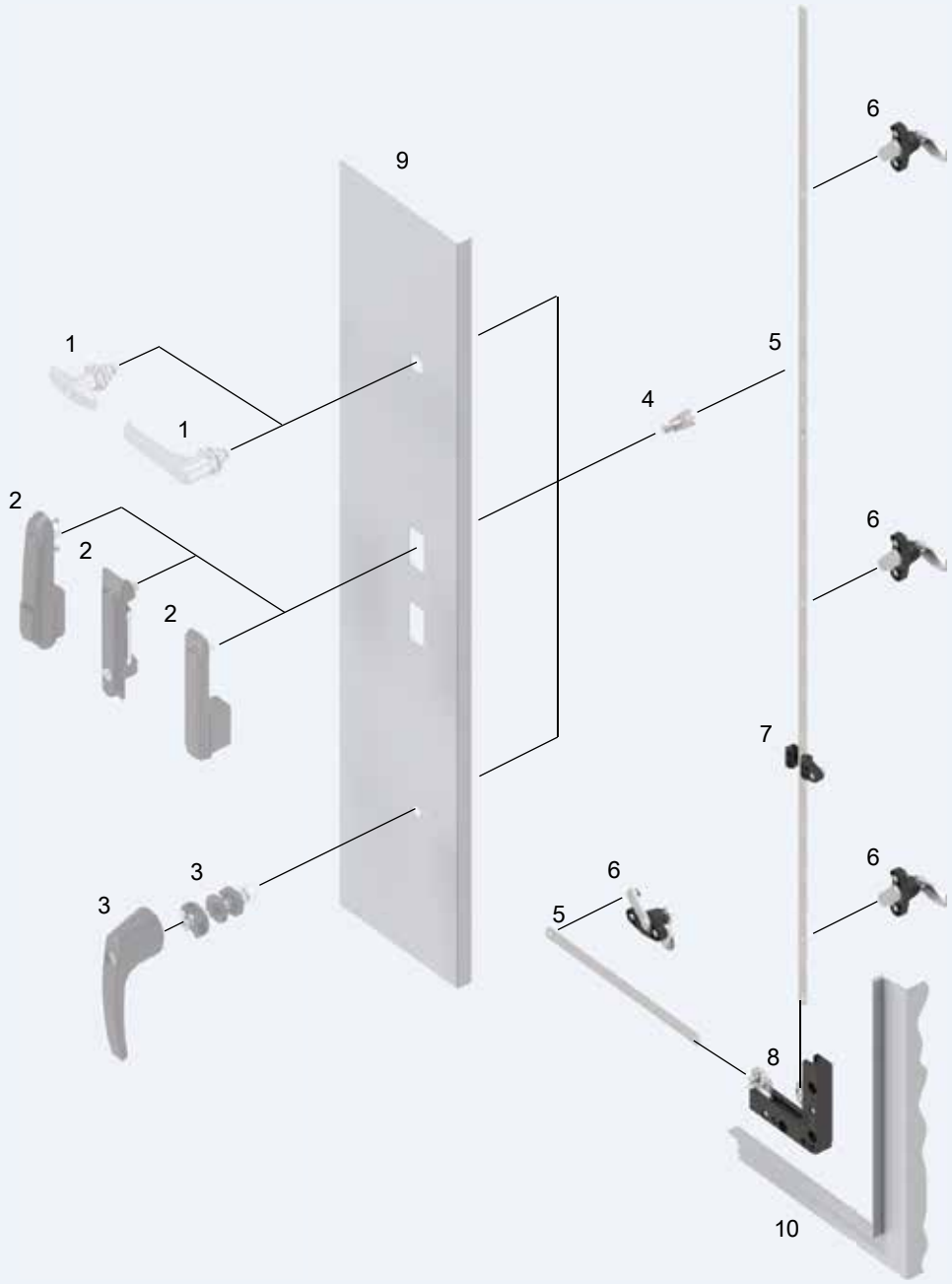
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Beschlagteile

Notes:

Compression latch system inside the sealing Program 1000, 1091, 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000



1 Quarter turn, Program 1000
2 Swinghandle, Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000
3 Modular locking system, Program 1091 (Special catalogue HVACR)
4 Rod control
5 Connecting rod
6 Locking point
7 Rod guide
8 Corner guide
9 Door
10 Housing / Frame

Compression latch system
for swinghandle, quarter turn and HVACR system

PROGRAM 1000, 1091, 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

Ⓐ



Swinghandle
with GH = 18

Ⓑ



Quarter turn
with GH = 18

Ⓒ



Modular locking system
HVACR system



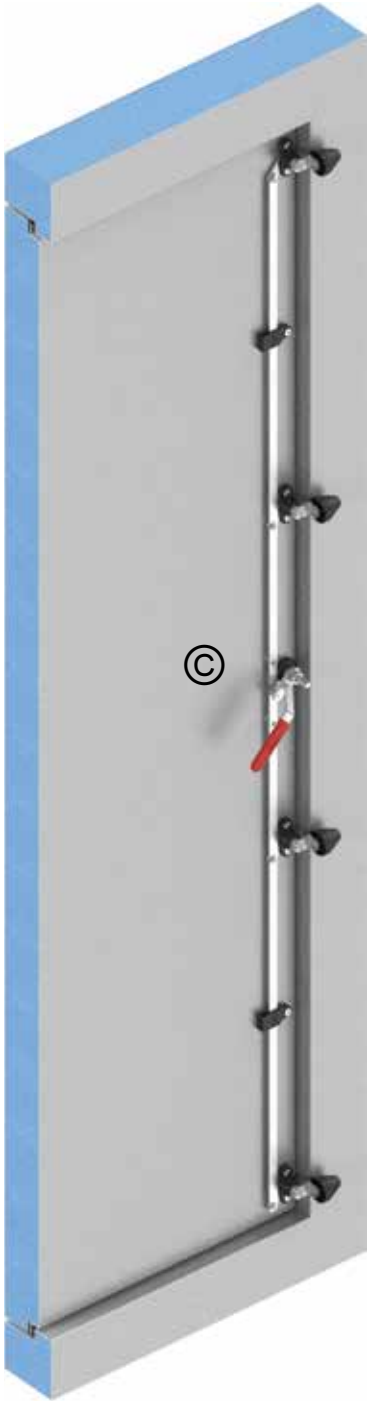


Product benefits

- Compression function
- Latch and cut out independent for compression latch system
- Corner guide can be used for additional latches in transverse installation
- High closing comfort
- Patented



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Further parts see page

– Connecting rod	3ZB-140
– Locking point compression latch	3ZD-160
– Rod control	3ZD-180
– Rod guide	3ZD-200
– Corner guide	3ZD-220
– Cam	3ZD-240
– Roller Cam	Special catalogue HVACR
– Ramp	1C-170

Program 1000

– Safety quarter turn	1B-330 1B-332
– Handle quarter turn, lockable	1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

– Swinghandle	3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

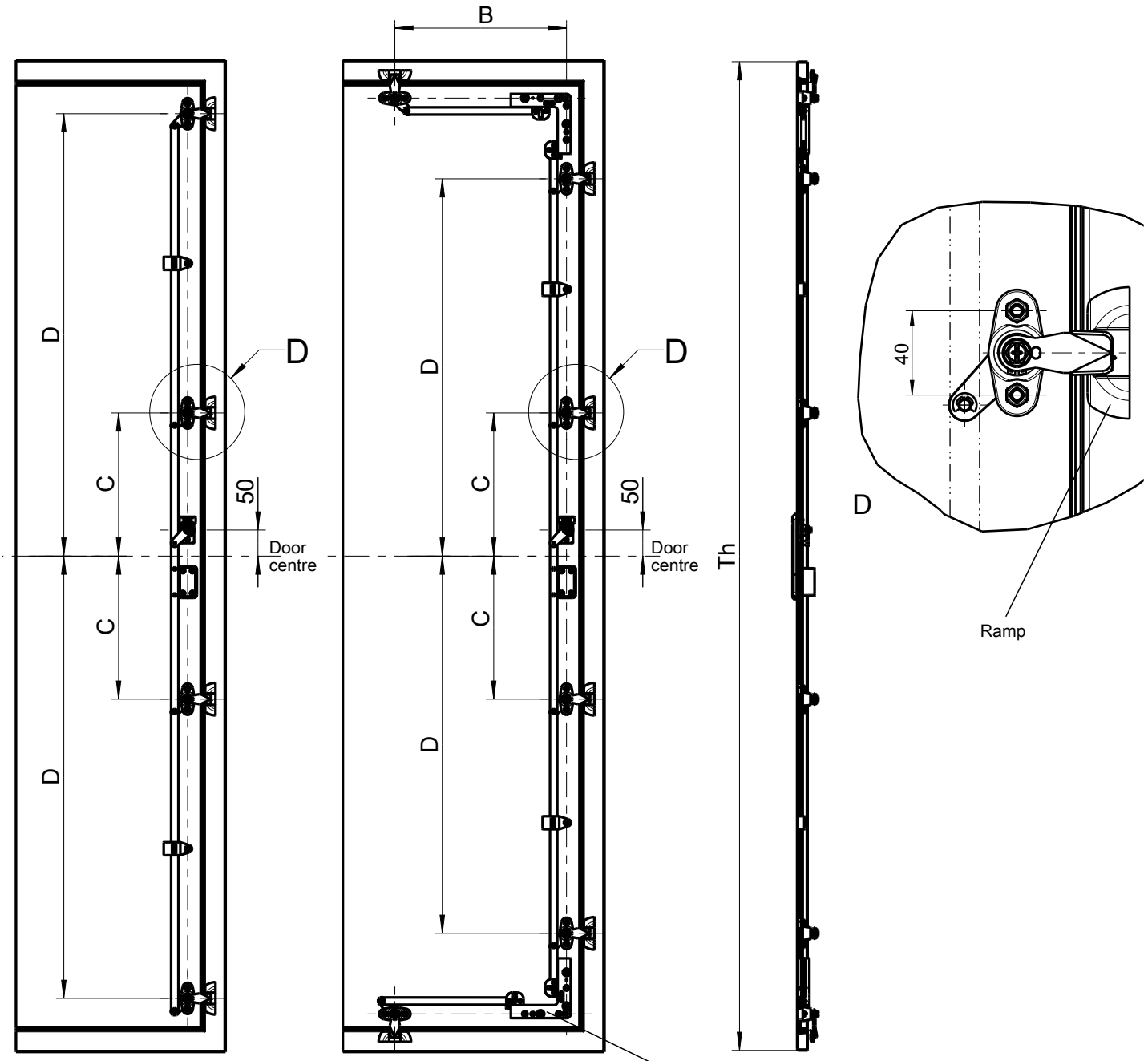
Program 1091

– Handle	Special catalogue HVACR
– Shafts E1 and E2	Special catalogue HVACR

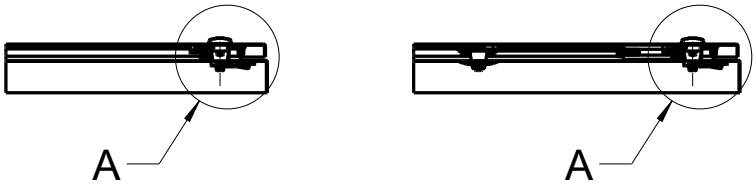
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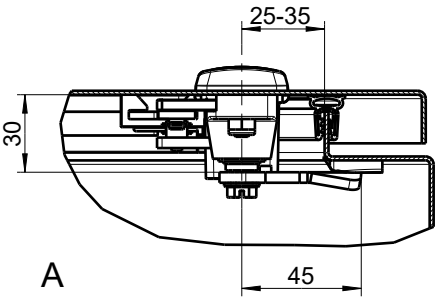
Connecting rod
for compression latch system

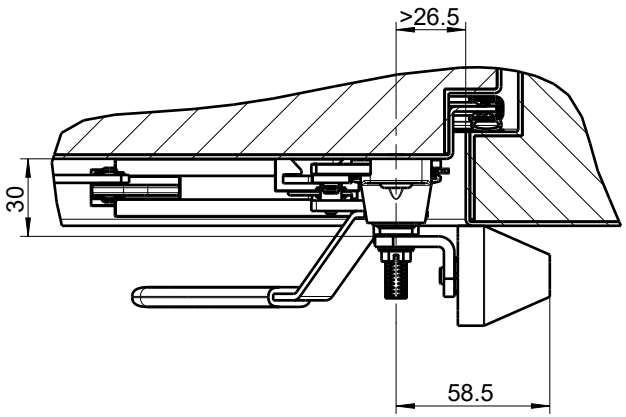
PROGRAM 1000, 1091, 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000



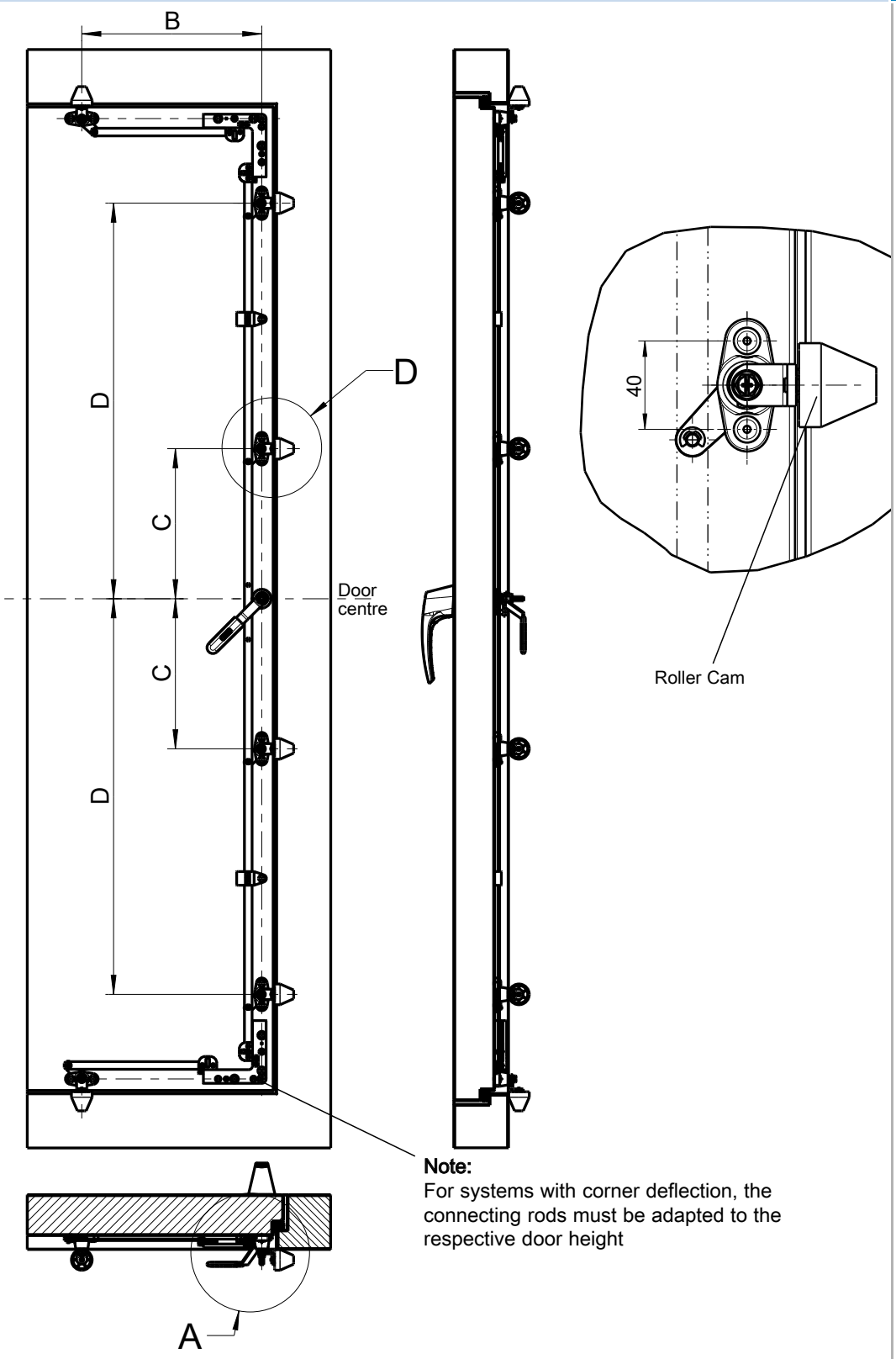
Note:
For systems with corner deflection, the connecting rods must be adapted to the respective door height







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Note:
For systems with corner deflection, the connecting rods must be adapted to the respective door height



Further parts see page

- System overview 3ZB-120
- Locking point compression latch 3ZD-160
- Rod control 3ZD-180
- Rod guide 3ZD-200
- Corner guide 3ZD-220
- Cam 3ZD-240
- Roller Cam Special catalogue HVACR
- Ramp 1C-170

Program 1000
- Safety quarter turn 1B-330 1B-332
- Handle quarter turn, lockable 1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000
- Swinghandle 3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

Program 1091
- Handle Special catalogue HVACR
- Shafts E1 and E2 Special catalogue HVACR

Connecting rod vertical (without corner guide)			
Door height Th	**Dim. C**	**Dim. D**	
800-1200	–	300	on request
1200-1600	–	450	on request
1600-1900	275	700	on request
1900-2200	275	850	on request
Connecting rod horinzontal			
Dimension B according to customer's choice			on request

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EMKA Beschlagteile

®Locking point for compression latch system

PROGRAM 1000 - 3000





Right-hand version



Right-hand version
Compressed condition



Right-hand version
Open condition



Left-hand version



Left-hand version
Compressed condition



Left-hand version
Open condition

Further parts see page

– System overview 3ZB-120
– Connecting rod 3ZB-140
– Rod control 3ZD-180
– Rod guide 3ZD-200
– Corner guide 3ZD-220
– Cam 3ZD-240
– Roller Cam
Special catalogue HVACR
– Ramp 1C-170

Program 1000

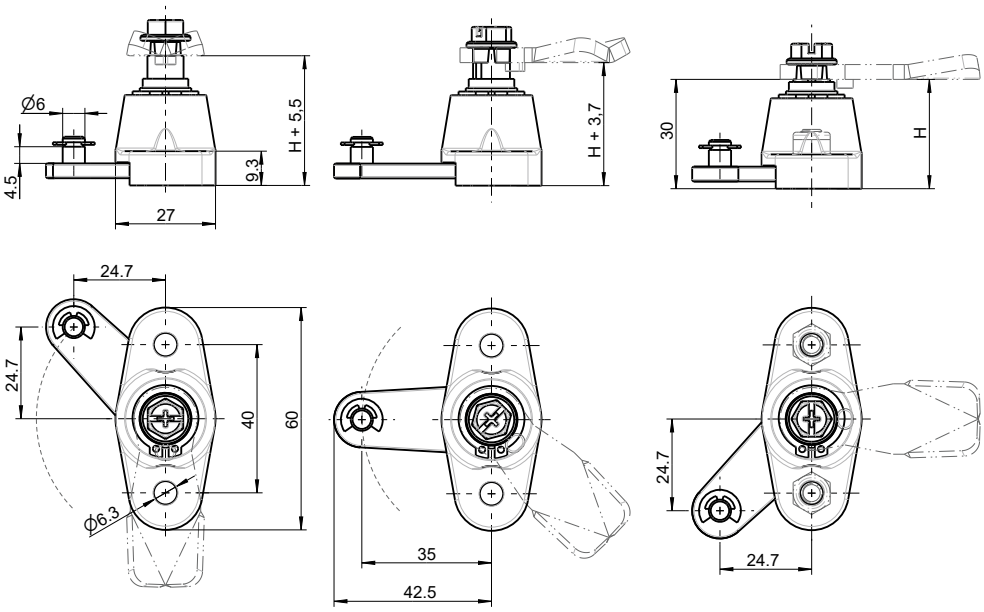
– Safety quarter turn 1B-330
1B-332
– Handle quarter turn, lockable
1B-560
to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

– Swinghandle 3B-100
3BA-100
3C-100
3E-100
3G-100
3H-100
3J-100
3N-100

Program 1091

– Handle
Special catalogue HVACR
– Shafts E1 and E2
Special catalogue HVACR

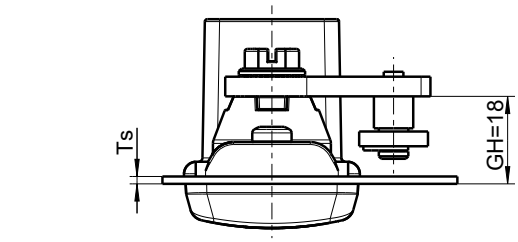


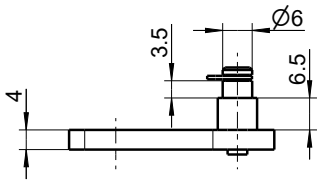
Locking point for weld stud M6x16 or blind rivet; housing polyamide 66 GF 50 black, insert, bush and locking shaft zinc die raw; pin, screw and circlip m.s. zinc-plated; with spring	
Right-hand version (for quarter turn left-hand version)	1121-U203
Left-hand version (for quarter turn right-hand version)	1121-U204

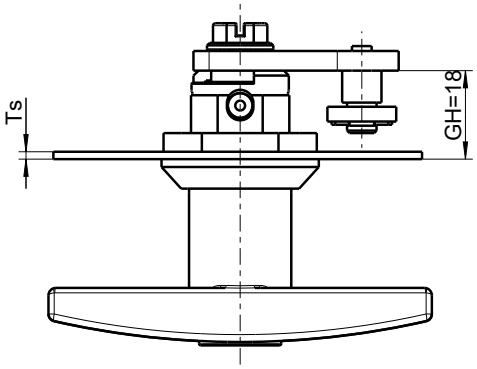
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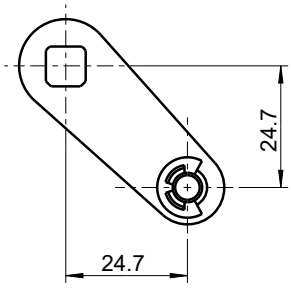
Rod control
for compression latch system

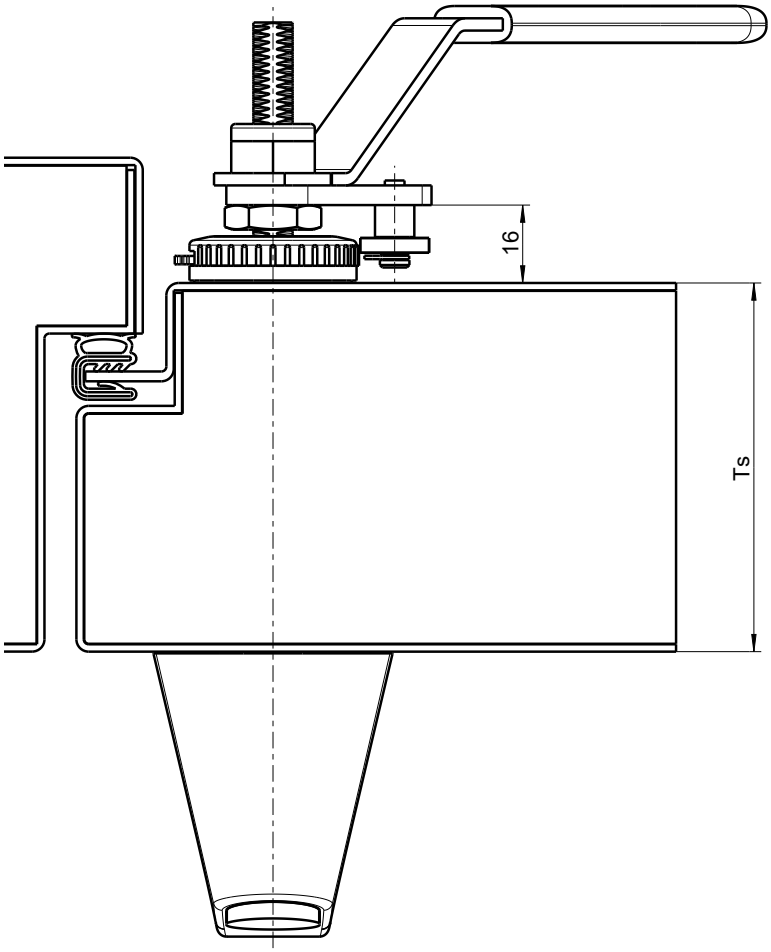
PROGRAM 1000 - 3000















Further parts see page

– System overview	3ZB-120
– Connecting rod	3ZB-140
– Locking point compression latch	3ZD-160
– Rod guide	3ZD-200
– Corner guide	3ZD-220
– Cam	3ZD-240

Program 1000

– Safety quarter turn	1B-330 1B-332
– Handle quarter turn, lockable	1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

– Swinghandle	3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

Program 1091

– Handle
Special catalogue HVACR
– Shafts E1 and E2
Special catalogue HVACR

Rod control m.s. zinc-plated

1000-U980

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®Rod guide for compression latch system

PROGRAM 1000 - 3000









Further parts see page

– System overview	3ZB-120
– Connecting rod	3ZB-140
– Locking point compression latch	3ZD-160
– Rod control	3ZD-180
– Corner guide	3ZD-220
– Cam	3ZD-240

Program 1000

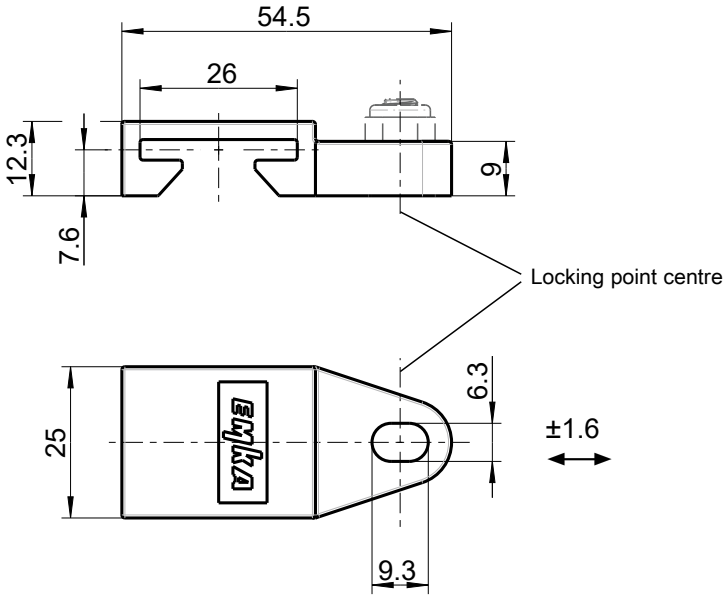
– Safety quarter turn	1B-330 1B-332
– Handle quarter turn, lockable	1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

– Swinghandle	3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

Program 1091

– Handle
Special catalogue HVACR
– Shafts E1 and E2
Special catalogue HVACR



Rod guide polyamide GF black

for weld stud M6x16 or blind rivet	1121-169

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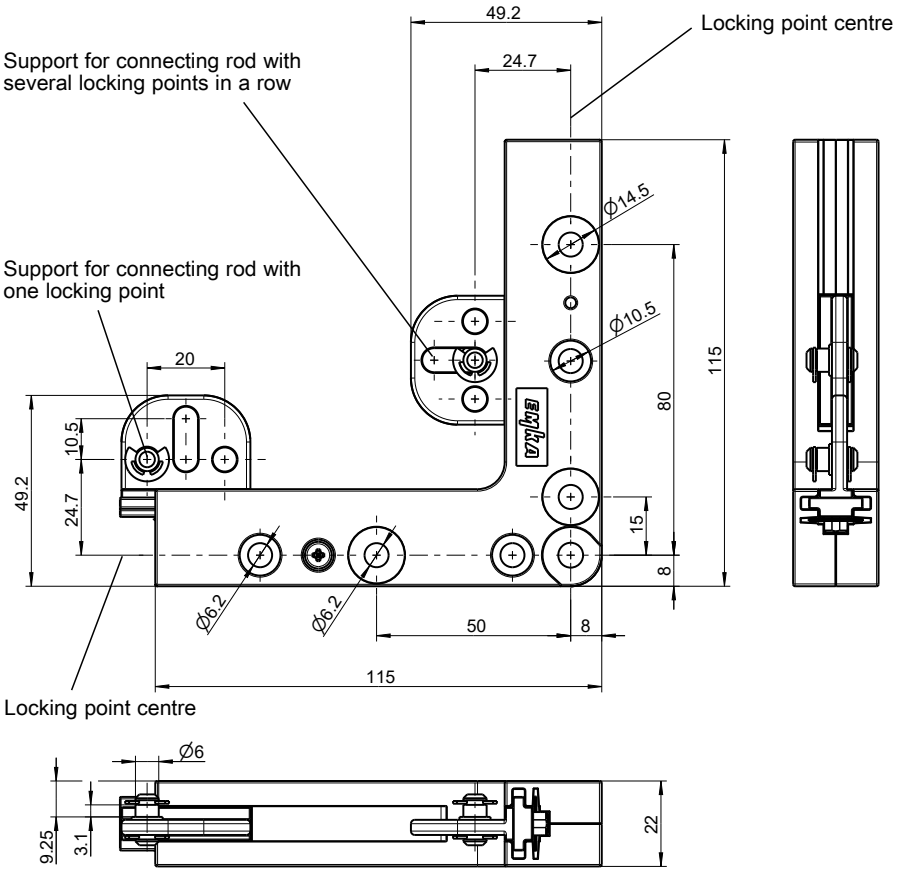
Corner guide
for compression latch system

PROGRAM 1000 - 3000









Corner guide
Housing polyamide GF black, connector zinc die raw; rivet m.s. zinc-plated; circlip and screw m.s. zinc-plated; with spring hinge

for weld stud M6x20 or blind rivet	1121-U205

Further parts see page

– System overview 3ZB-120
– Connecting rod 3ZB-140
– Locking point compression latch 3ZD-160
– Rod control 3ZD-180
– Rod guide 3ZD-200
– Cam 3ZD-240

Program 1000

– Safety quarter turn 1B-330 1B-332
– Handle quarter turn, lockable 1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

– Swinghandle 3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

Program 1091

– Handle Special catalogue HVACR
– Shafts E1 and E2 Special catalogue HVACR

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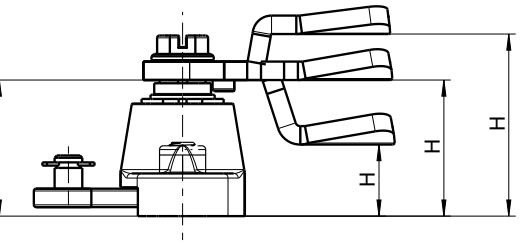
Beschlagteile

Notes:

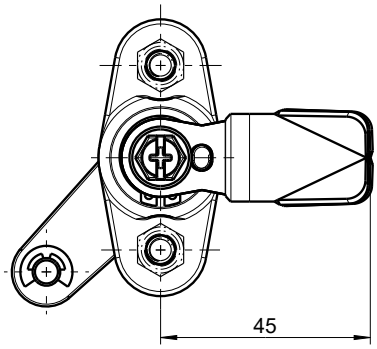
Cam
for compression latch system

PROGRAM 1000 - 3000

EMKA® Beschlagteile











Cam with catch, material of choice

H	m.s. zinc-plated	AISI 304	AISI 316
16	1000-112	-	-
18	1000-22	1000-221	1000-221-PD
20	1000-113	-	-
22	1000-21	1000-223	1000-223-PD
25	1000-20	-	-
26	1000-19	1000-225	1000-225-PD
28	1000-18	-	-
30	1000-17	1000-227	1000-227-PD
32	1000-16	1000-228	1000-228-PD
34	1000-15	1000-179	1000-179-PD
36	1000-14	1000-229	1000-229-PD
37	1000-27	-	-
38	1000-50	1000-230	1000-230-PD
40	1000-13	1000-180	1000-180-PD
42	1000-28	-	-
44	1000-26	-	-
46	1000-12	-	-
47	1000-11	-	-
48	1000-51	-	-
50	1000-52	-	-
52	1000-25	-	-
54	1000-53	-	-
56	1000-54	-	-
57	1000-10	-	-
59	1000-55	-	-
61	1000-56	-	-

Further parts see page

- System overview 3ZB-120
- Connecting rod 3ZB-140
- Locking point compression latch 3ZD-160
- Rod control 3ZD-180
- Rod guide 3ZD-200
- Corner guide 3ZD-220
- Ramp 1C-170
- Roller Cam Special catalogue HVACR

Program 1000

- Safety quarter turn 1B-330 1B-332
- Handle quarter turn, lockable 1B-560 to 1B-650

Program 1125, 1150, 1180, 1225, 1325, 2100, 2225, 3000

- Swinghandle 3B-100 3BA-100 3C-100 3E-100 3G-100 3H-100 3J-100 3N-100

Program 1091

- Handle Special catalogue HVACR
- Shafts E1 and E2 Special catalogue HVACR

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Hinges for prominent door (chapter 4A)

4A-120	4A-121	4A-130	4A-133	4A-135	4A-136	4A-137	4A-138	4A-139	4A-140	4A-145	4A-150	4A-160	4A-170	4A-190	4A-210	4A-215
							●	●			●		●		●	●
●	●	●	●	●	●	●			●	●	●	●		●		
					●	●									●	
●	●	●	●	●									●	●		●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							●	●			●		●	●	●	●
							●	●							●	
120°	135°/180°	120°	120°	120°/135°	125°	115°/135°	180°	180°	180°	180°	180°	180°	180°	120°	180°	180°
	●			●			●		●	●	●	●				
									●							
							●	●	●		●		●	●	●	●
●	●	●		●	●										●	
●		●	●		●	●				●	●	●			●	
●	●	●	●	●	●	●										
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							●	●	●	●	●	●			●	●
20	20/22	22/26	26	22/25	25	24/26	20	25	16/25	25	20	20	25	25	26	25

Hinges for flush door and profiles (chapter 4B)

4B-120	4B-130	4B-140	4B-160	4B-170	4B-190	4B-200	4B-205	4B-207	4B-210	4B-212	4B-213	4B-215	4B-220	4B-230	4B-240	4B-243
			●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●														
●	●	●								●	●				●	●
												2D				
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
90°	90°	180°	180°	180°	180°	180°/270°	180°	180°	180°	180°	180°	180°	180°	180°	180°	160°
					●	●		●							●	
					●	●	●		●	●	●	●		●	●	●
●	●	●	●	●												
●	●		●		●	●	●		●	●	●		●			
														●		
●	●	●		●												
			●	●	●	●	●	●	●	●	●	●	●	●	●	●
					●			●							●	

Pin hinges (chapter 4C)

4C-120	4C-130															
	●															
●																
●																
●																
●																
	●															

x = variable Note: Hinges should be greased prior to use

4A-220	4A-250	4A-260	4A-280	4A-285	4A-290	4A-295	4A-300	4A-310	4A-450	4A-460	4A-480	
●	●	●	●	●	●	●	●	●	●	●		Prominent hinge
			●								●	Concealed hinge
●				●	●	●	●				●	Lift-off version
												Restricted lift-off version
●	●	●	●	●	●	●	●	●	●	●	●	For single cabinets
●						●			●	●		For in-line cabinets with single door
●						●			●	●		For in-line cabinets with double door
180°	180°	180°	130°/180°	180°	180°	180°	180°	180°	180°	180°	120°	Opening angle
		●									●	For door notch
				●								Material polyamide
●			●	●		●		●	●	●	●	Material zinc die
	●	●	●		●	●	●	●	●	●		Material m.s.
	●			●			●					Material stainless steel
		●										For pressure-resistant doors
		●	●		●	●	●	●				Weld-on hinge
●	●	●	●	●	●	●		●	●	●	●	Screw-on hinge
●												Clamping hinge
20	x	x/12-14	x	x	x	x/18-23.5	x	x	20/25	10/25	25	Door return

4B-245	4B-248	4B-250	4B-252	4B-253	4B-255	4B-260	4B-280	4B-290	4B-300	4B-320	
●	●	●	●	●	●	●	●	●	●	●	Prominent hinge
											Concealed hinge
											Lift-off version
											Restricted lift-off version
	2D	2D	3D	●	3D	3D				●	Adjustable 2D/3D
●	●	●	●	●	●	●	●	●	●	●	For single cabinets
●	●	●	●	●	●	●	●	●	●	●	For in-line cabinets with single door
●											For in-line cabinets with double door
180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	Opening angle
											For door notch
●									●		Material polyamide
	●	●	●	●	●	●	●	●	●		Material zinc die
											Material m.s.
							●			●	Material stainless steel
											For profile rails
											Weld-on hinge
●	●	●	●	●	●	●	●	●	●	●	Screw-on hinge
											Clamping hinge

												Material polyamide
												Material m.s.
												Material stainless steel
												Weld-on hinge
												Screw-on hinge
												Clip-in hinge

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Hinge
for prominent door

1



Door depicted transparent

1



Door depicted transparent

2



3



3



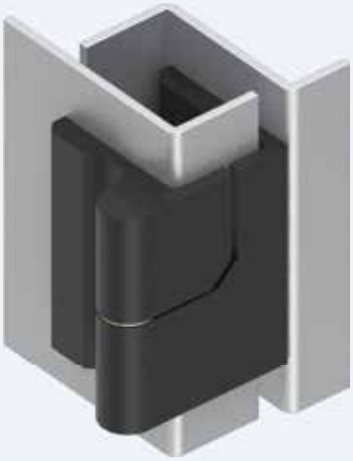
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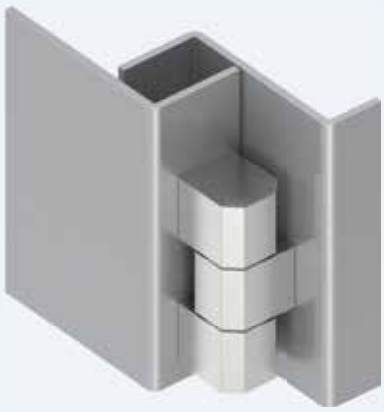
4



4



5



6







1	120° to 135° Concealed hinge	4A-120 to 4A-135, 4A-140, 4A-150, 4A-190, 4A-280
2	120° Concealed hinge and lift-off version	4A-190
3	180° Prominent hinge	4A-138, 4A-150, 4A-160, 4A-450, 4A-460
4	180° Prominent hinge and lift-off version	4A-170, 4A-210 to 4A-220
5	180° Prominent hinge	4A-250 to 4A-280, 4A-310
6	180° Prominent hinge and lift-off version	4A-285 to 4A-300

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120° Hinge

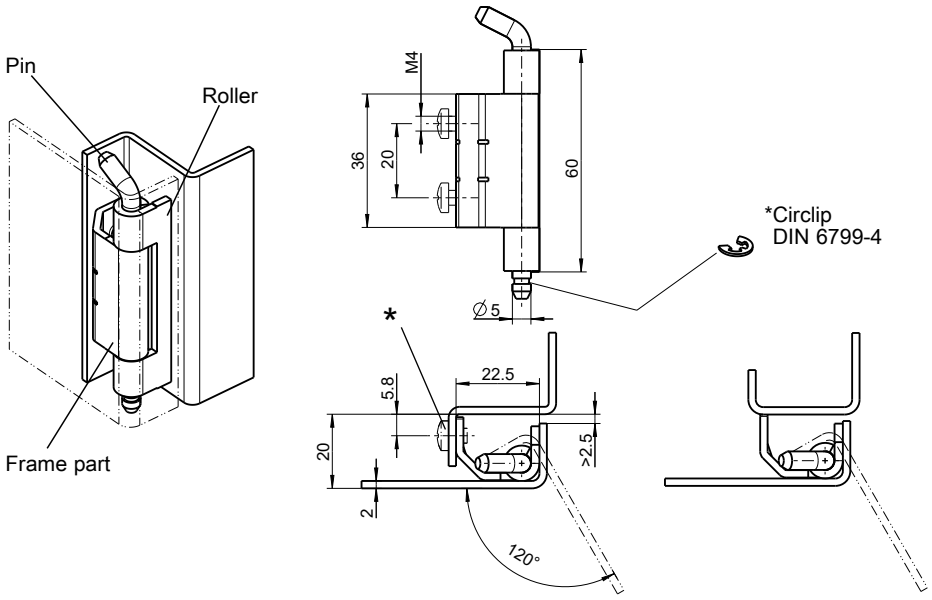
PROGRAM 1069

EDELSTAHL Rost frei® STAINLESS STEEL

AISI INOX

120° Hinge for 20 mm door return

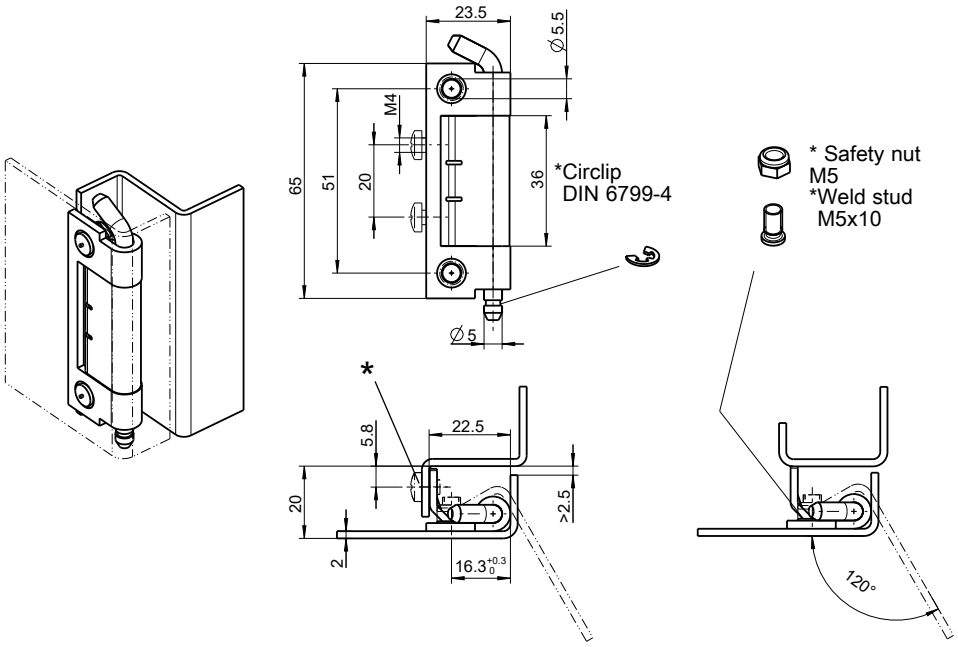




Hinge m.s. zinc-plated or stainless steel, roller m.s. raw or AISI 304			
screw-on m.s.	1069-U1	weld-on m.s.	1069-U2
screw-on AISI 304	1069-U4	weld-on AISI 304	1069-U3

120° Hinge for weld stud fixing for 20 mm door return





Hinge m.s. zinc-plated, screw-on		Hinge m. s. zinc-plated, weld-on	
	1069-U6	Weld-on part m.s. raw	1069-U5

*not included in the scope of delivery

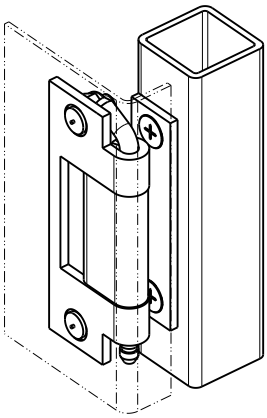
Further parts see page
– Fixing material 8E-100

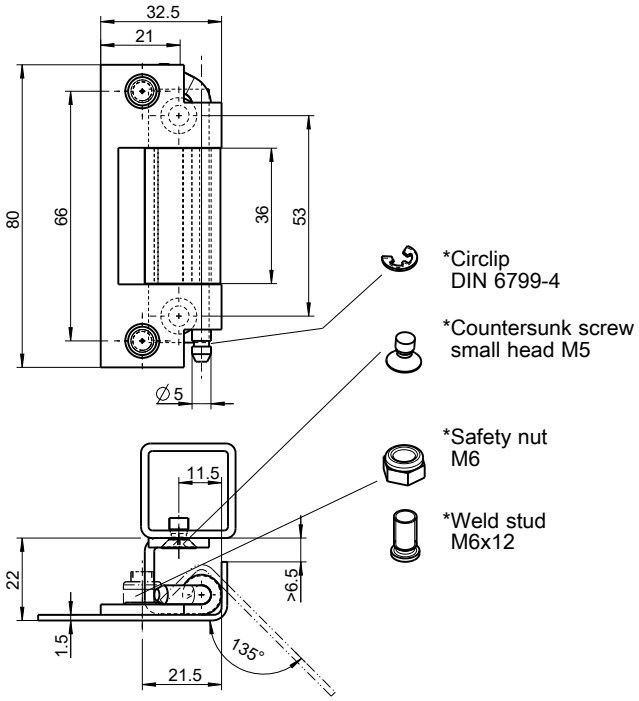
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135° and 180° Hinge

PROGRAM 1032, 1110

135° Hinge for 22 mm door return



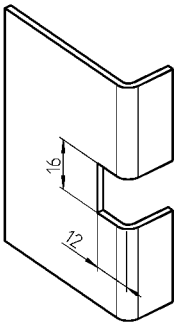




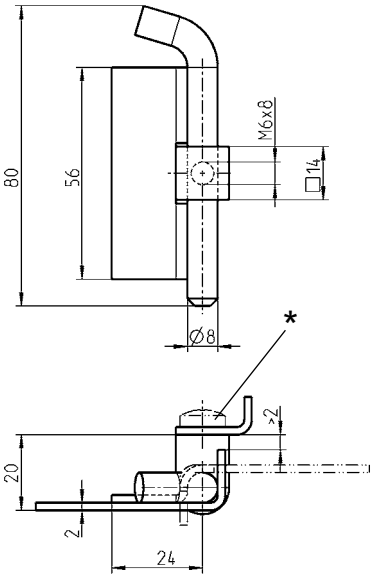
Hinge m.s. zinc-plated	1032-U6

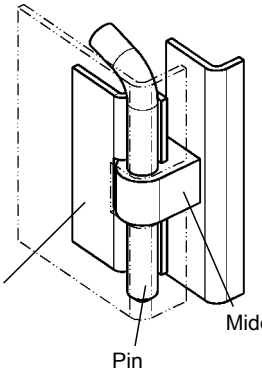
Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

180° Hinge for 20 mm door return



Cut out







*not included in the scope of delivery

Hinge m.s. zinc-plated; weld-on parts raw	1110-U1

Further parts see page
– Fixing material 8E-100

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EMKA® Beschlagteile

120° Hinge

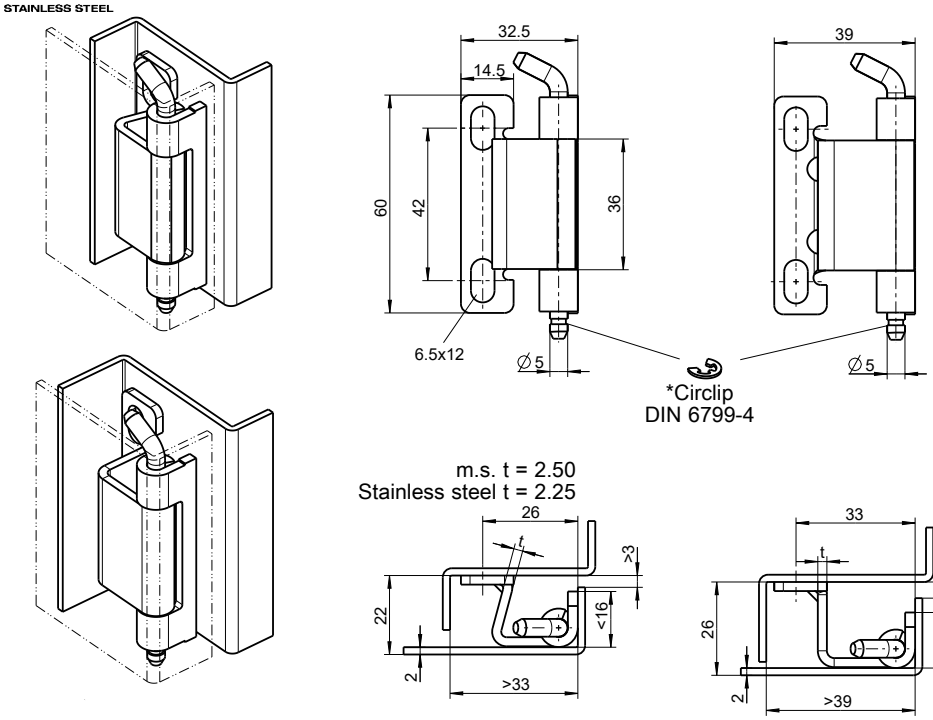
PROGRAM 1032



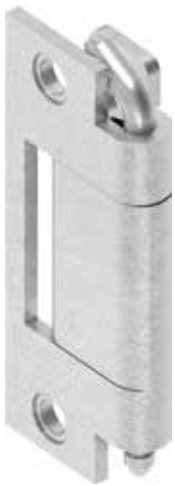


120° Hinge for 22 or 26 mm door return

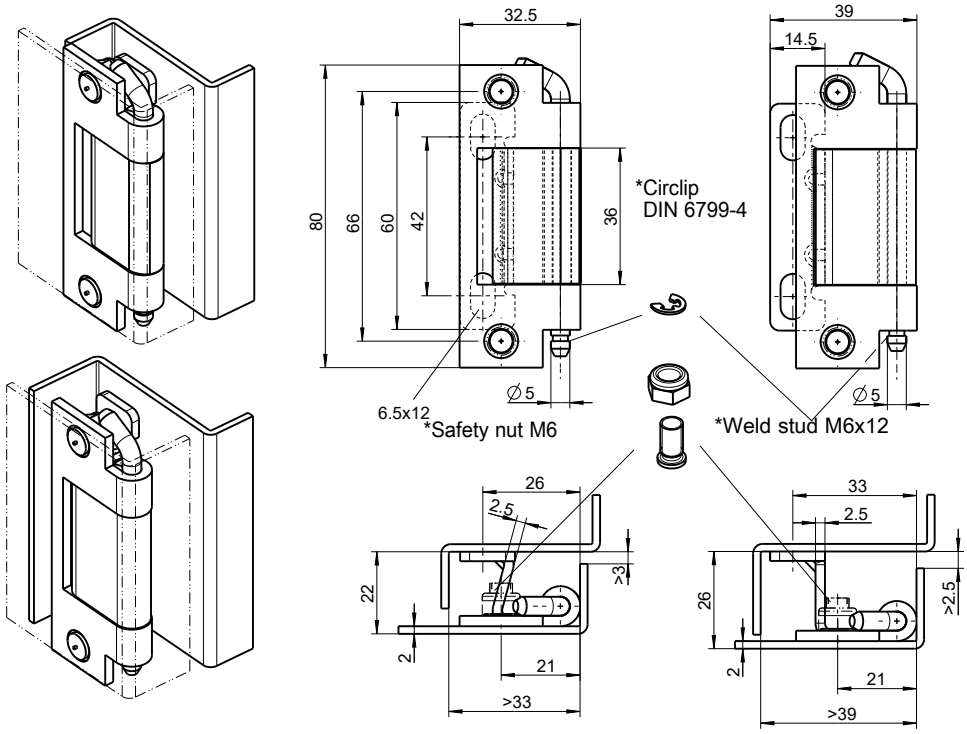
EDELSTAHL® Rost frei STAINLESS STEEL



120 ° Hinge m.s. zinc-plated or stainless steel, roller m.s. raw or AISI 304			
m.s. (Dim. 22)	1032-U1	m.s. (Dim. 26)	1031-U1
AISI (Dim. 22)	1032-U2	AISI (Dim. 26)	1031-U2



120° Hinge for weld stud fixing for 22 or 26 mm door return



Hinge m.s. zinc-plated			
(Dim. 22)	1032-U5	(Dim. 26)	1031-U10

*not included in the scope of delivery

Further parts see page
– Fixing material 8E-100

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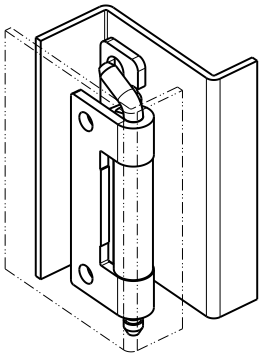
120° Hinge,
170° Hinge with captive pin

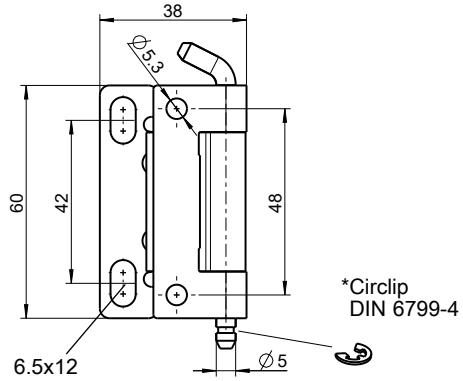
PROGRAM 1031

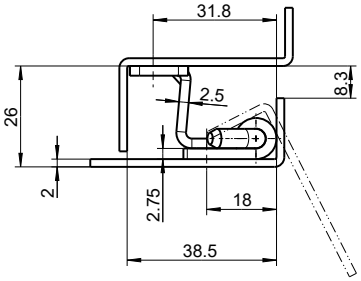
EMKA® Beschlagteile

120° Hinge for 26 mm door return

EDELSTAHL Rost frei® STAINLESS STEEL





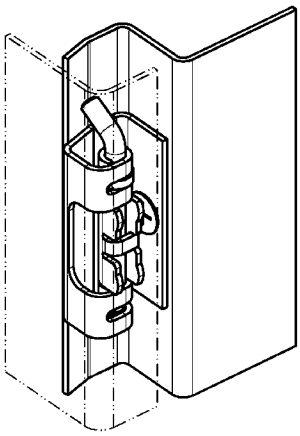


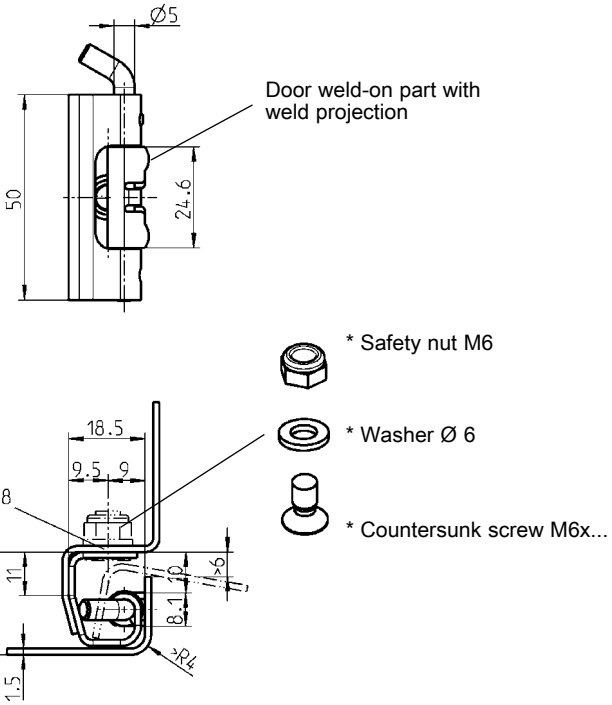


120° Hinge AISI 304

	1031-U17-PC

170° Hinge for 25 mm door return









*not included in the scope of delivery

170° Hinge m.s. zinc-plated; door weld-on part m.s. raw; pin clamping ring POM red

	1031-U16

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EMKA® Beschlagteile

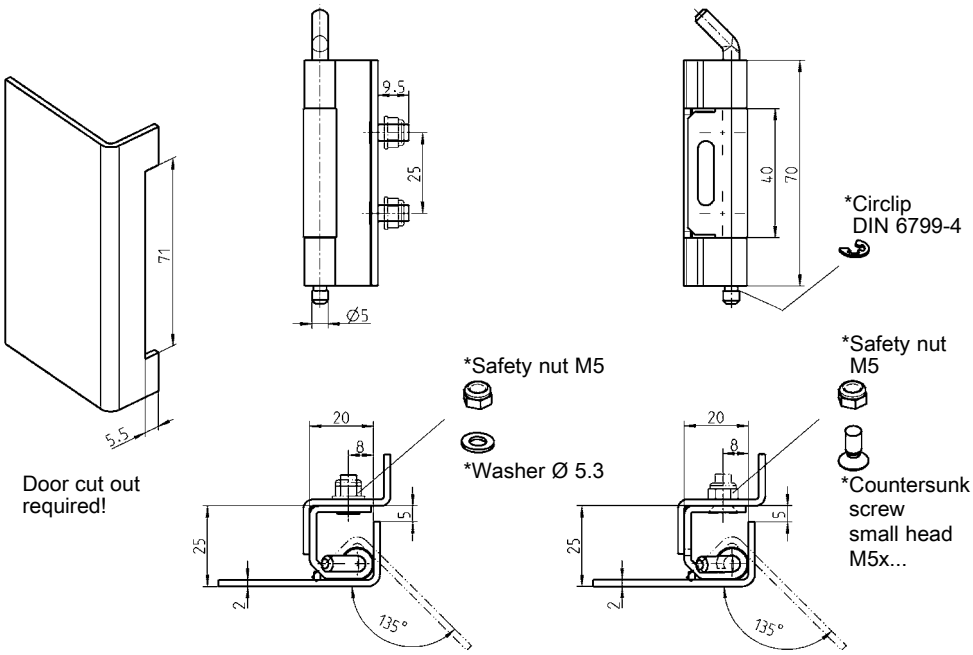
120° and 135° Hinge

PROGRAM 1069, 1031





135° Hinge for 25x20 mm door return



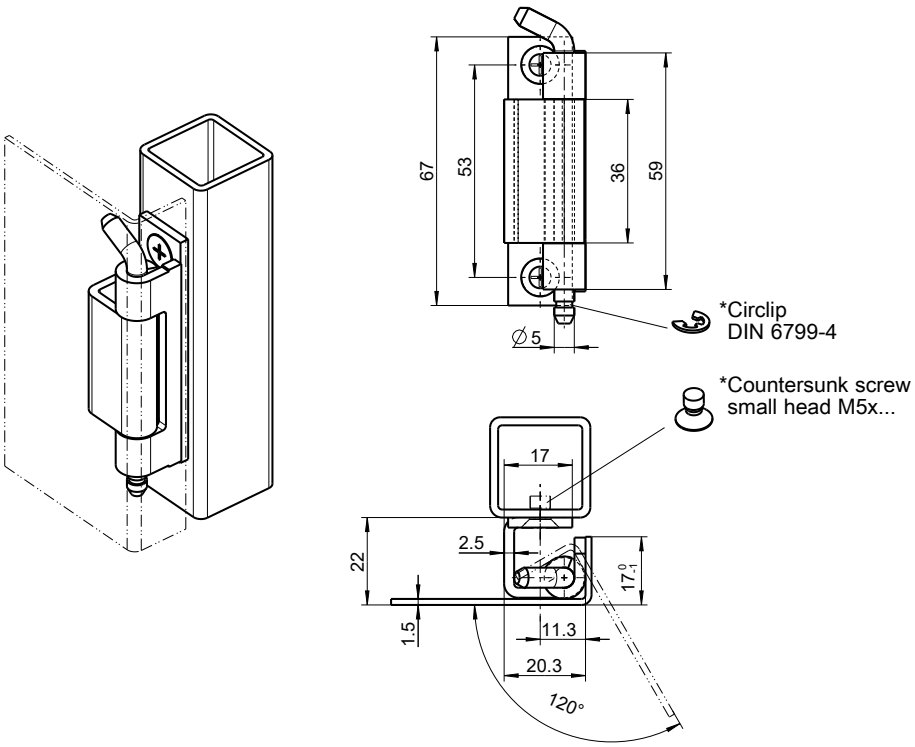
Hinge with press-fit threaded studs

Hinge for countersunk screw M5

135° Hinge Frame part m.s. zinc-plated; roll m.s. raw; pin m.s. zinc-plated; threaded studs m.s. zinc-plated	
with press-fit threaded studs M5x12	1069-U7
for countersunk small head M5	1069-U8



120° Hinge for 22 mm door return



120° Hinge Frame part m.s. zinc-plated; roll m.s. raw; pin m.s. zinc-plated	
	1031-U7

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

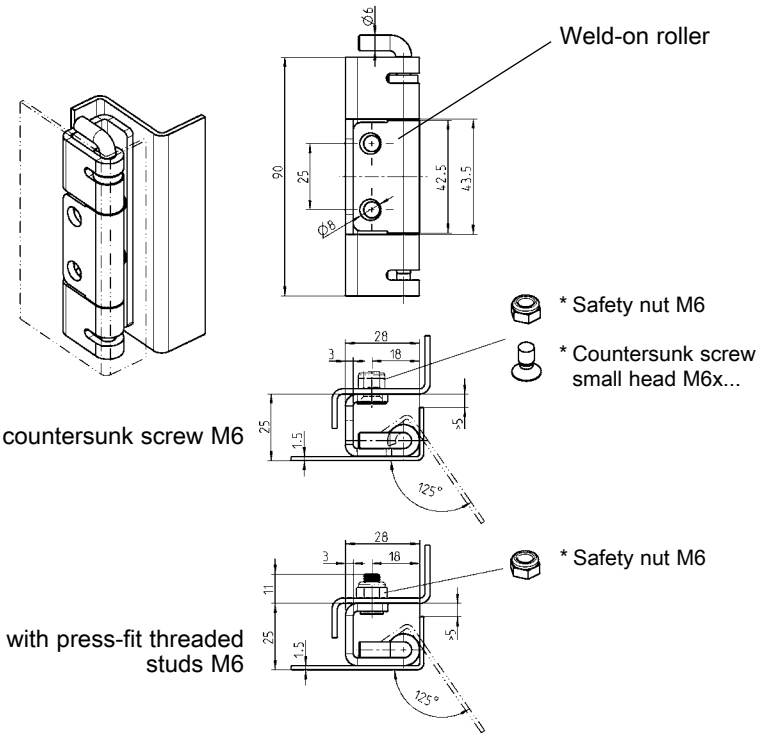
Further parts see page
– Fixing material 8E-100

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125° Hinge with captive pin

PROGRAM 1031

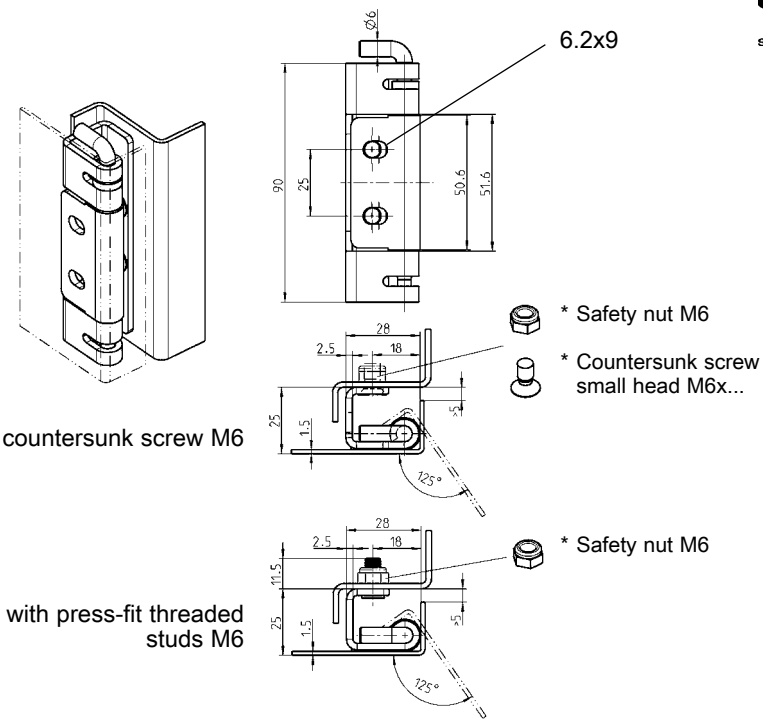
125° Hinge for single cabinets for 25 mm door return



Frame part, pin and threaded studs m.s. zinc-plated; door part m.s. raw; pin clamping ring POM red	
for countersunk small head M6	1031-U12
with press-fit threaded studs M6x15	1031-U19

125° Hinge for single cabinets for 25 mm door return

EDELSTAHL® Rostfrei STAINLESS STEEL



125° Hinge AISI 304 or AISI 316Ti; threaded studs stainless steel; pin clamping ring POM red		
AISI 304	for countersunk small head M6	1031-U13
AISI 316Ti	for countersunk small head M6	1031-U22
AISI 304	with press-fit threaded studs M6x15	1031-U20







*** not included in the scope of delivery**

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

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Beschlagteile

®135° Hinge with captive pin, 120° Hinge

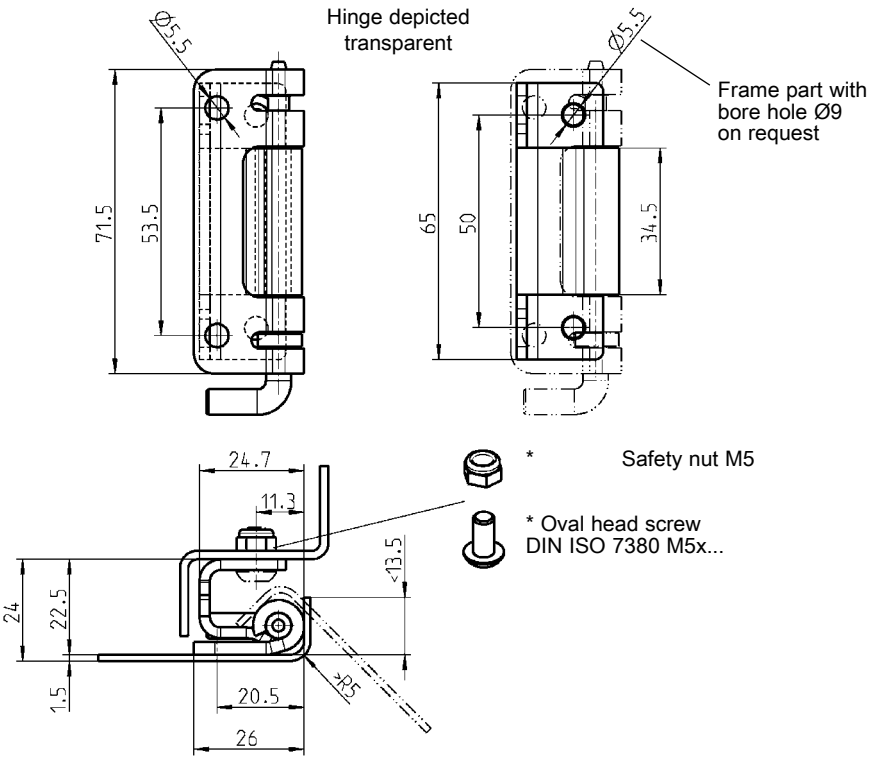
PROGRAM 1031



EDELSTAHL Rost frei STAINLESS STEEL

135° Hinge for single cabinets for 24 mm door return

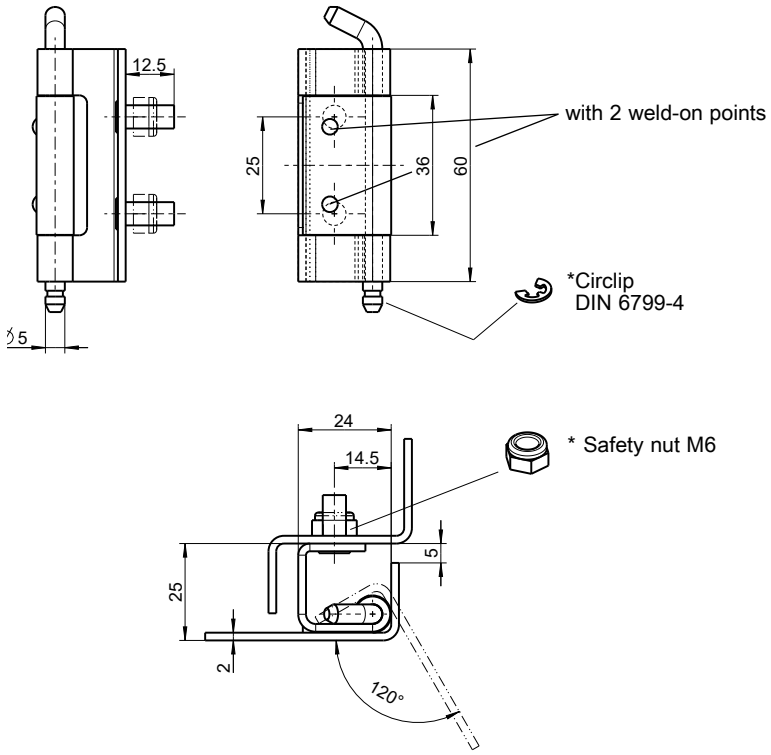




135° Hinge AISI 304; pin AISI 303; shaft clamping ring POM red	
Fixing points according to common standards	1031-U15

120° Hinge for single cabinets for 25 mm door return





120° Hinge Frame part m.s. zinc-plated; roll m.s. raw; pin m.s. zinc-plated	
	1031-U21

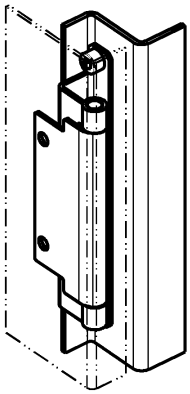
*** not included in the scope of delivery**

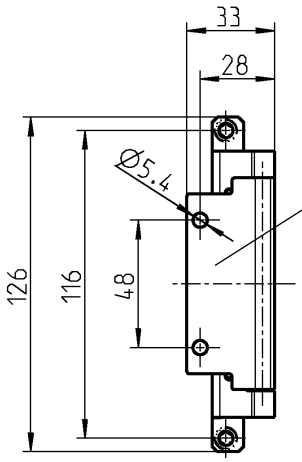
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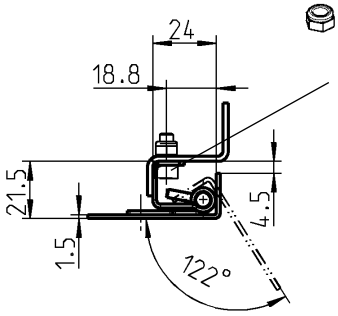
115° and 122° Hinge with captive pin

PROGRAM 1031

122° Hinge for single cabinets for 22 mm door return







Product benefits

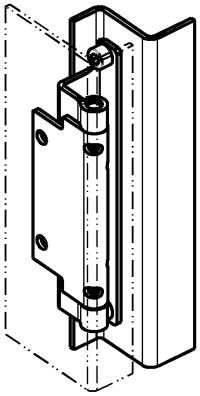
- Can be hinged and unhinged without tools

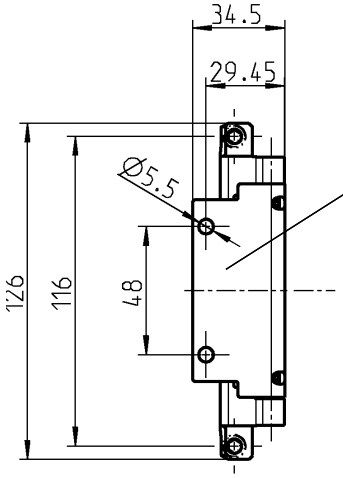
122° Hinge m.s. zinc-plated, with spring

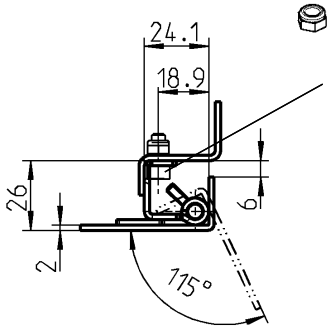
1031-U18

115° Hinge for single cabinets for 26 mm door return

EDELSTAHL Rost frei STAINLESS STEEL







Product benefits

- Can be hinged and unhinged without tools

115° Hinge AISI 304

1031-U14









* not included in the scope of delivery

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180° Hinge

PROGRAM 1110

180° Hinge for inline cabinets with double doors for 20 mm door return



Version A



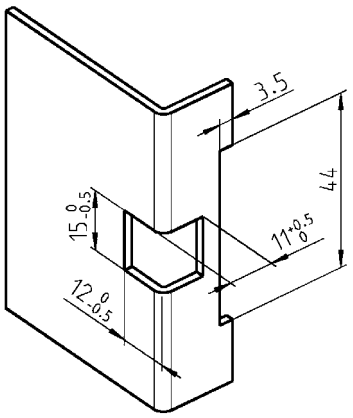
Version B



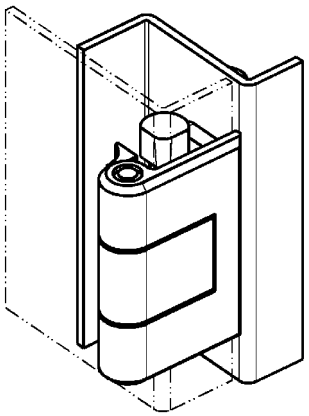
Version C



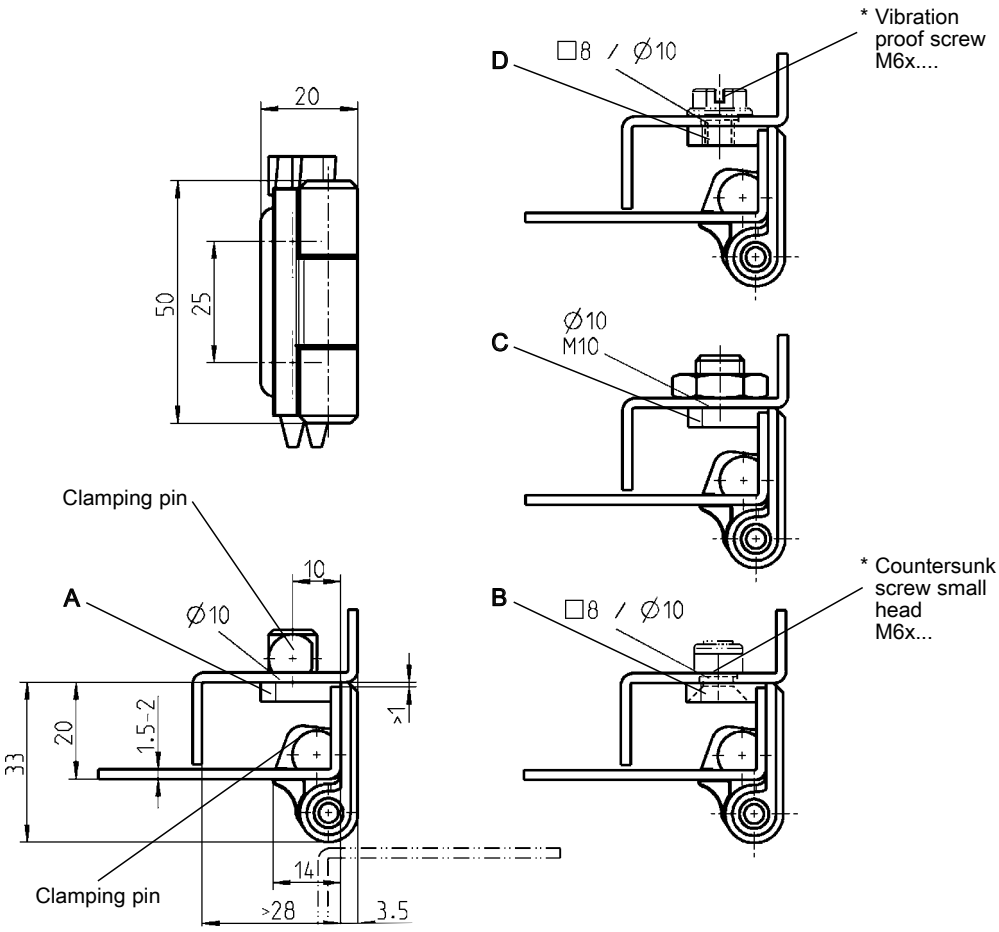
Version D



Cut out



Assembly:
Hinge is fixed by driving in the clamping pin.



*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– Fixing material 8E-100

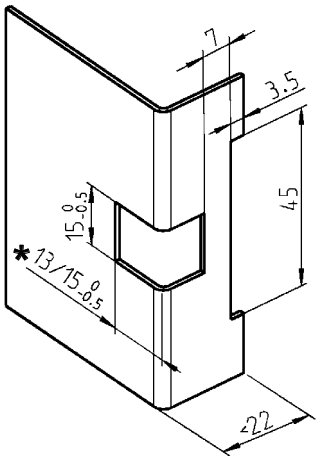
Hinge zinc die surface of choice; fixing material polyamide GF black; pin stainless steel; washer and nut m.s. zinc-plated		
	black powder-coated	chrome-plated
Version A	1110-U128	on request
Version B	1110-U130	1110-U130-IA
Version C	1110-U129	on request
Version D	1110-U127	on request

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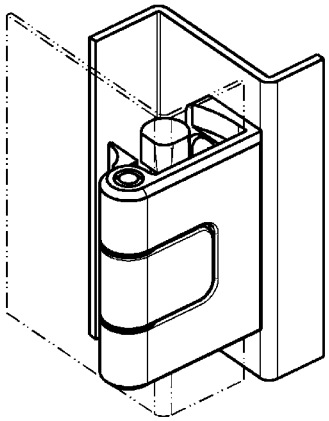
180° Hinge

PROGRAM 1110

180° Hinge for inline cabinets with double doors for 25 mm door return

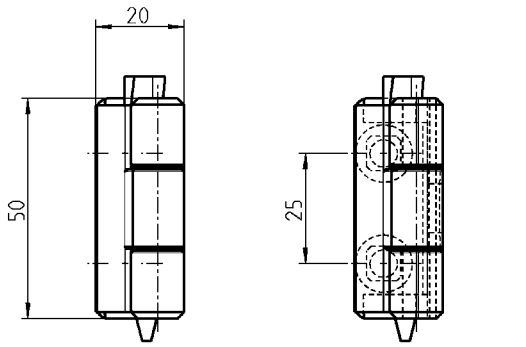


Cut out

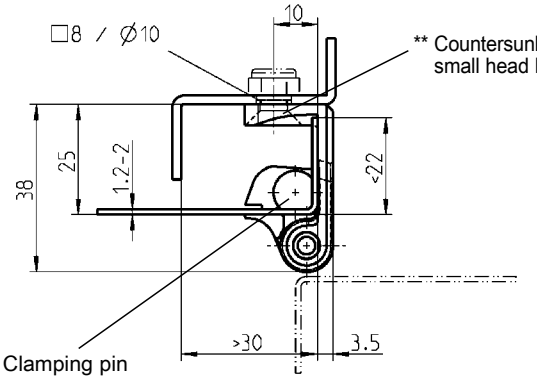


Assembly:
Hinge is fixed by driving in the clamping pin.

*** Door thickness 1.2-1.5=13 mm**
Door thickness 1.5-2.0=15 mm



Hinge depicted transparent







** not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Hinge zinc die black powder-coated; fixing pin polyamide GF black; pin stainless steel; washer m.s. zinc-plated

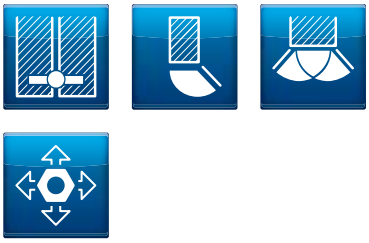
1110-U140

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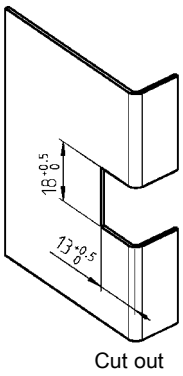
180° Hinge

PROGRAM 1110

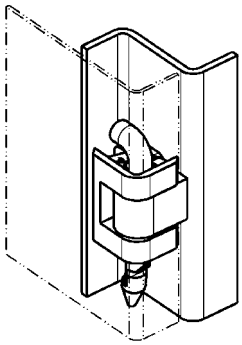


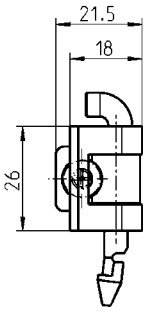


180° Plastic hinge for single cabinets with 16 mm door return

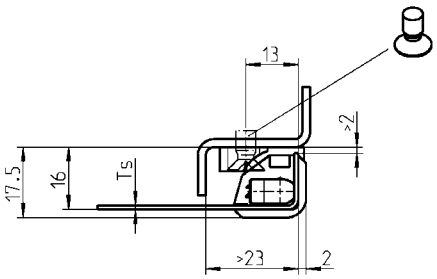


Cut out





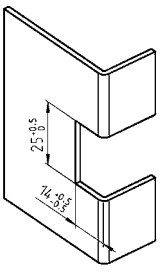
*Countersunk screw smaller head M5x...or blind rivet Ø 5



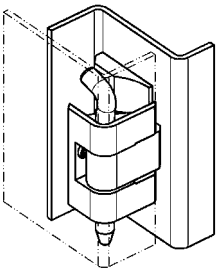
180° Hinge polyamide GF black; pin polyamide black	
Ts 1.0 - 1.25 mm	1110-U23
Ts 1.5 - 2.0 mm	1110-U24

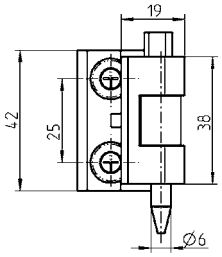


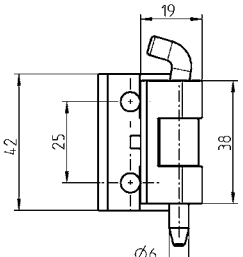
180° Hinge for single cabinets for 25 mm door return



Cut out



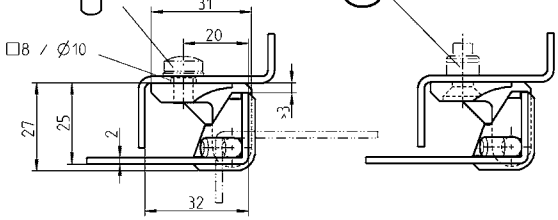




*Oval head screw DIN ISO 7045 M6x...

*Safety nut M6

*Countersunk screw small head M6x...



180° Hinge zinc die; pin m.s. zinc-plated	chrome-plated	black powder-coated
Locking slug M6	1110-U20	1110-U22
Countersunk hole M6 (2D-nut possible)	1110-U19	1110-U21
180° Hinge polyamide GF black; pin polyamide black		
Countersunk hole M6 (2D-nut possible)		1110-U125

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

– 2D Nut 8E-120
– Fixing material 8E-100

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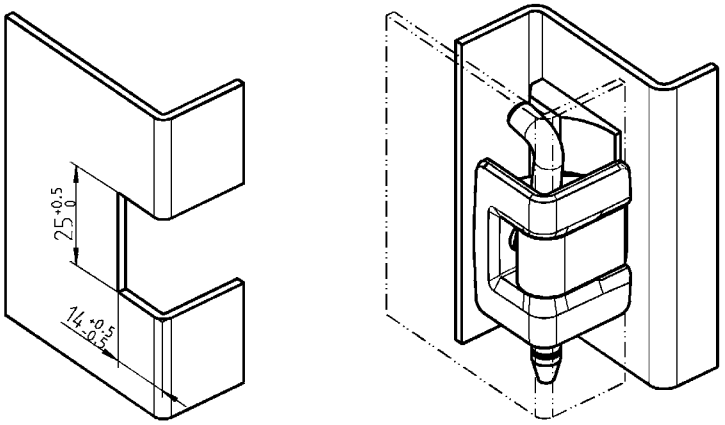
180° Hinge

PROGRAM 1110

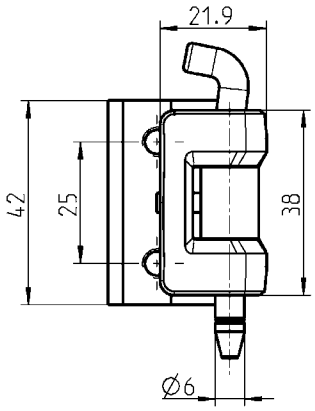
180° Hinge for single cabinets for 25 mm door return

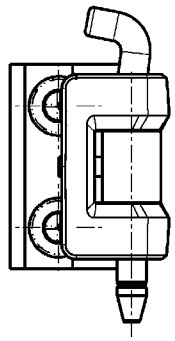
EDELSTAHL® Rost frei STAINLESS STEEL

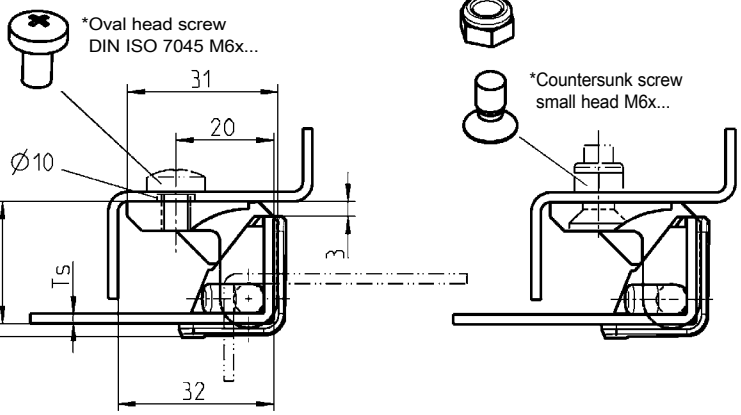
AISI INOX



Cut out











*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D Nut 8E-120

180° Hinge AISI 316; pin AISI 303		
	Ts 0.8 – 1.0	Ts 1.5 – 2.0
Locking slug M6	1110-U134	1110-U135
Countersunk hole M6 (2D-nut possible)	1110-U136	1110-U137

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Items printed in gray without stock

EMKA® Beschlagteile

180° Hinge

PROGRAM 1110





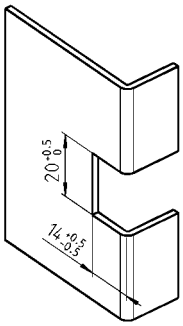




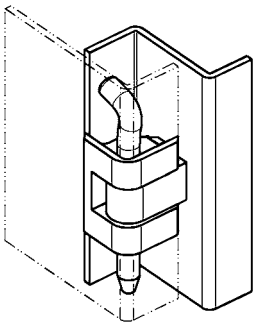
*not included in the scope of delivery

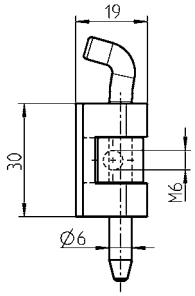
EDELSTAHL Rost frei® STAINLESS STEEL

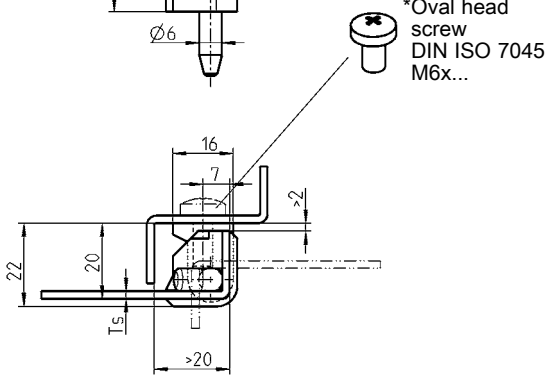
180° Hinge for single cabinets for 20 mm door return



Cut out





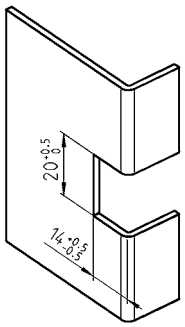


with seal ≥ 25

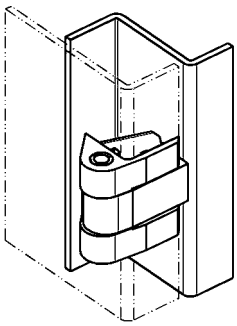
180° Hinge zinc die and pin m.s. zinc-plated or AISI 316 and pin 303		
	Ts 0.8 – 1.0	Ts 1.5 – 2.0
Zinc die chrome-plated	–	1110-U2
Zinc die black powder-coated	–	1110-U3
AISI 316	1110-U51	1110-U50

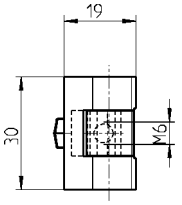
EDELSTAHL Rost frei® STAINLESS STEEL

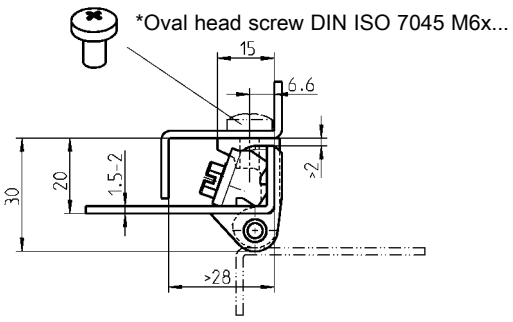
180° Hinge for in-line cabinets with single doors for 20 mm door return



Cut out







180° Hinge zinc die or AISI 316; pin m.s. zinc-plated or AISI 304; Fixing material m.s. zinc-plated or AISI 303	
Zinc die chrome-plated	1110-U4-N
Zinc die black powder-coated	1110-U5-N
AISI 316	1110-U5-NPH

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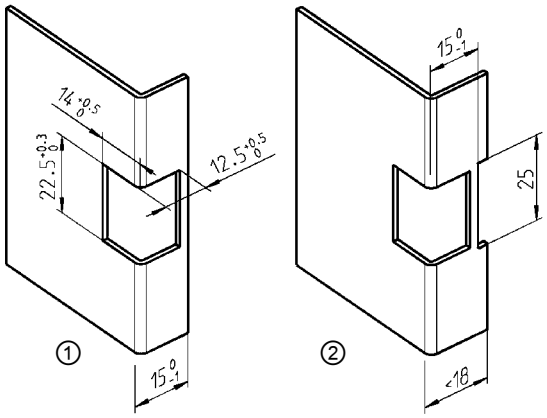
180° Hinge

PROGRAM 1110

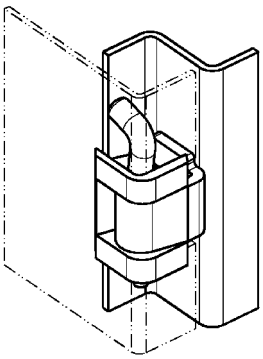
180° Hinge for single cabinets for 20 mm door return

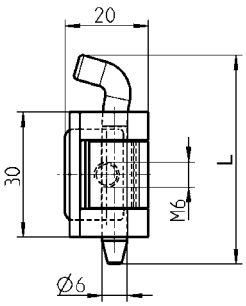
EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX



Cut out
of choice

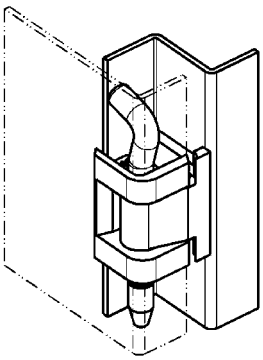




Pin length Ⓐ; L = 50
Pin length Ⓑ; L = 66

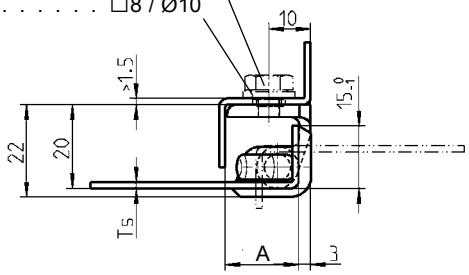
* for zinc die / m.s. version:
locking screw 1000-277-02JB (M6x6)

* for stainless steel version:
washer DIN ISO 7089 - 6 and
hexagon head screw DIN ISO 4017 M6 x 6



for metal gauge 1.5

Zinc-die / m.s. . . . . Ø 6.2
Stainless steel: . . . . . □8 / Ø10



Cut out ①; A = 17.5
Cut out ②; A = >19





Frame part with
thread M6 and
centering bolt

180° Hinge, door part zinc die black powder-coated; frame part m.s. black powder-coated; pin Ⓐ m.s. zinc-plated	
Ts 1.5 – 2.0	1110-U141
180° Hinge AISI 316; pin Ⓑ AISI 303	
Ts 1.5	1110-U131
Ts 2.0	1110-U132

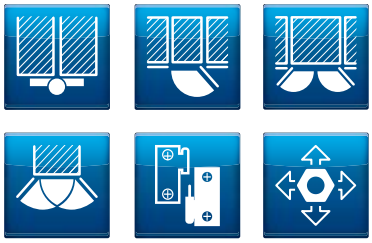
* not included in the scope of delivery

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EMKA® Beschlagteile

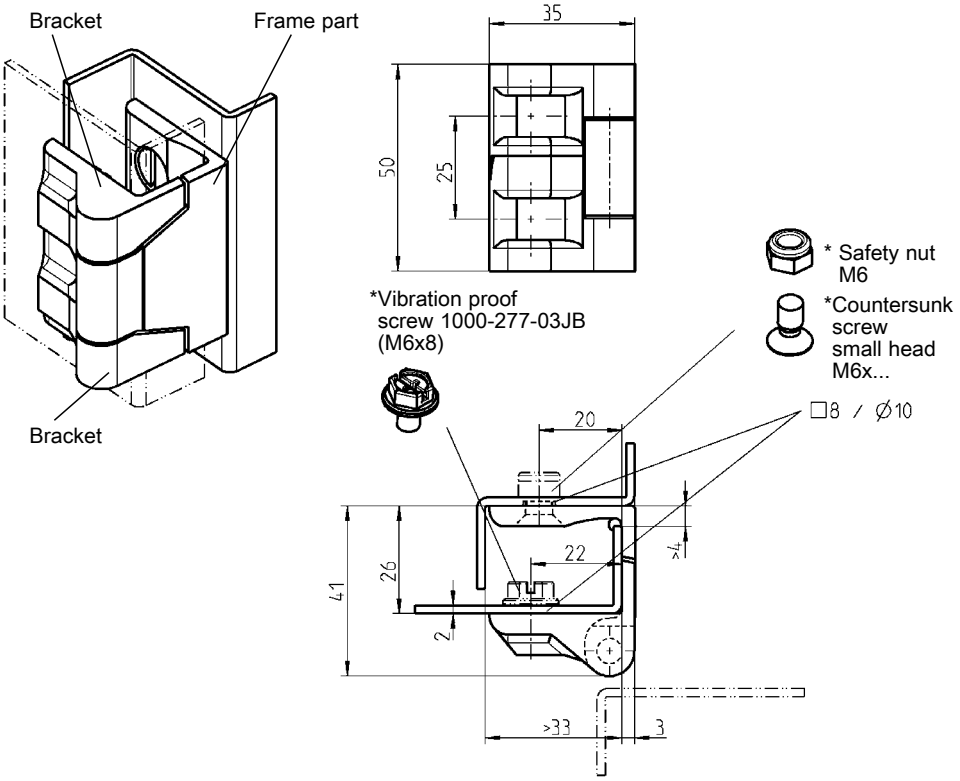
180° Hinge

PROGRAM 1110





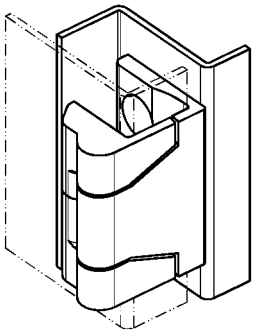
180° Hinge for in-line cabinets with single door,
135° Lift-off version for 25 mm door return

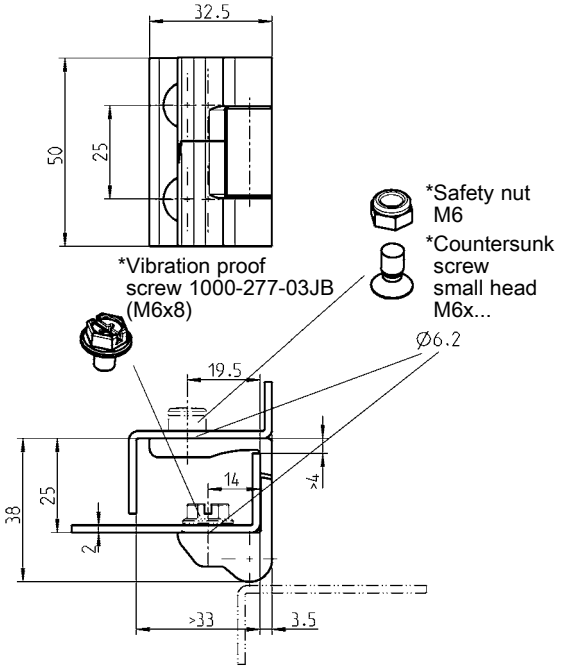


180° Hinge zinc die; pins stainless steel and washers brass	
black powder-coated	1110-U52
chrome-plated	1110-U53

180° Hinge for in-line cabinets with single door, lift-off version, for 25 mm door return







Note:
Can be lifted off by removing the lower bracket

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

If a reduced gap is required between the door and frame of approx 1-2 mm. then a cut out is required. The deeper the cut out, the closer the door can be to the frame.

Further parts see page

– 2D Nut 8E-120
– Fixing material 8E-100

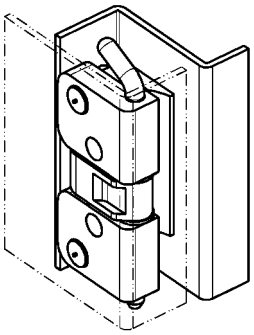
180° Hinge zinc die black powder-coated; hinge pin m.s. zinc-plated; washer brass	
	1110-U123

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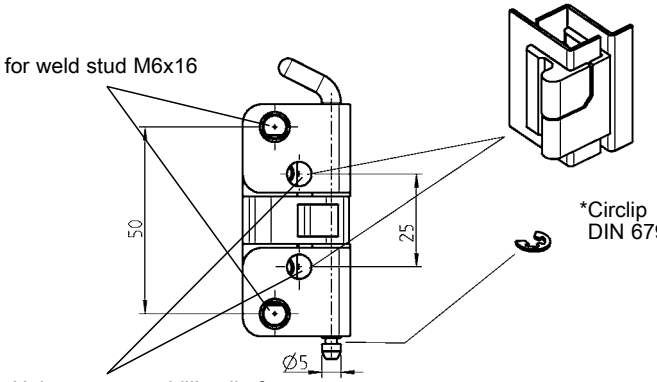
120° Hinge

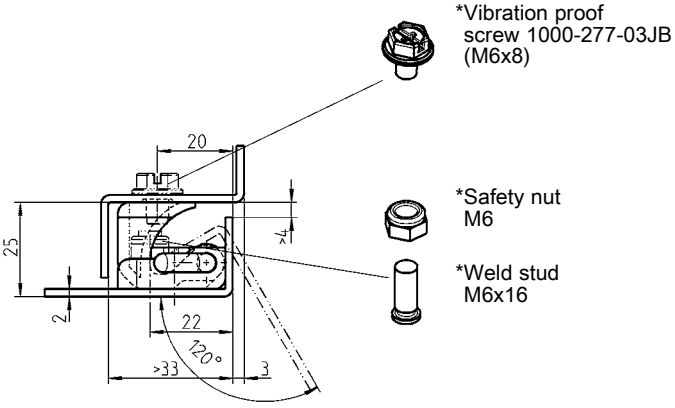
PROGRAM 1110

120° Hinge for in-line cabinets with single doors for 25 mm door return









Also available in chrome-plated
and other RAL colours on request.

*not included in the scope of
delivery

Further parts see page
– Fixing material 8E-100

120° Hinge zinc die black powder-coated; pin m.s. zinc-plated

1110-U86

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EMKA® Beschlagteile

180° Hinge

PROGRAM 1110



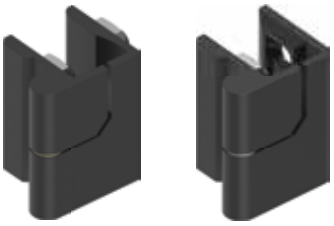
AISI INOX



Version A+E Version C+E



Version C+E Version D+E

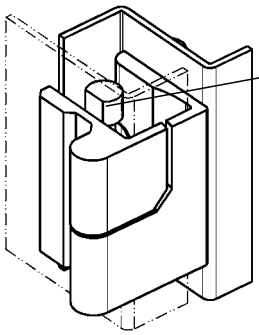


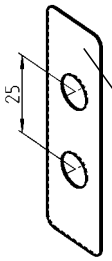
Version B+F Version C+F

EDELSTAHL Rostfrei® STAINLESS STEEL

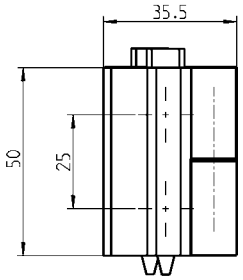
180° Hinge for in-line cabinets with double doors, lift-off from 70° opening angle, for 26 mm door return

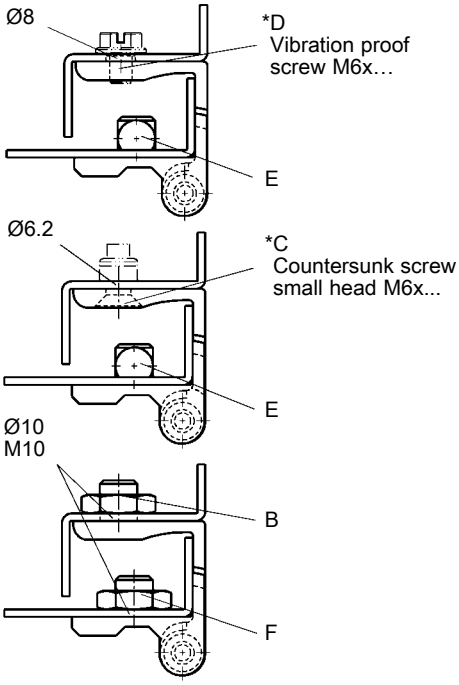
Version for Ts = 2

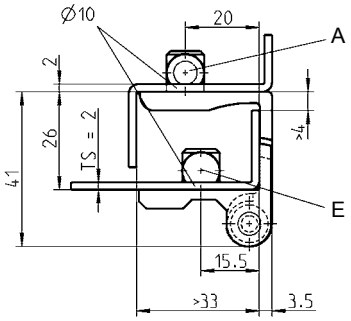




Support plate has to be ordered sep. for different door gauges (1x per clamping pin)







* not included in the scope of delivery

** 2D nut possible

Note:
Detachable from 70° opening angle, but not with hinge bracket made of m.s. and AISI

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

– 2D Nut 8E-120
– Fixing material 8E-100

180° Hinge zinc die black powder-coated; fixing pin Polyamide GF black; hinge pin stainless steel and washer brass; nut m.s. zinc-plated		
Version	**Left**	**Right**
A+E	1110-U71	1110-U68
C+E **(2D)	1110-U69	1110-U66
D+E	1110-U70	1110-U67
B+F	1110-U109	1110-U106
C+F **(2D)	1110-U107	1110-U104
D+F	1110-U108	1110-U105

180° Hinge; frame part m.s. black powder-coated; hinge bracket zinc die black powder-coated; fixing pin polyamide GF black; hinge pin stainless steel; nut m.s. zinc-plated		
Version	**Left**	**Right**
C+E **(2D)	1110-U118	1110-U119
C+F **(2D)	1110-U120	1110-U121
180° Hinge AISI 316		
C+F **(2D)	1110-U120-PH	1110-U121-PH

Support plate 304 (1x per clamping pin)	
for Ts 1.0	1110-39-01
for Ts 1.5	1110-39

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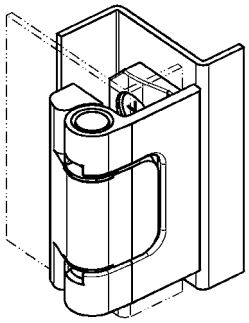
Items printed in gray without stock

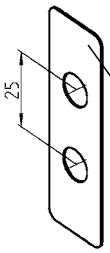
180° Hinge

PROGRAM 1110

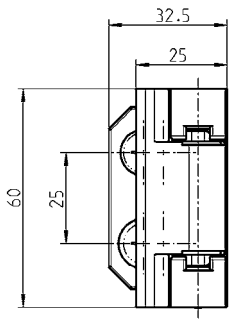
180° Hinge for in-line cabinets with single doors can be unhinged at 90° opening angle, for 25 mm door return

Version for
Ts = 1.5 - 1.8 and 2





Support plate has to be ordered sep. for different door gauges
(1x per clamping pin)





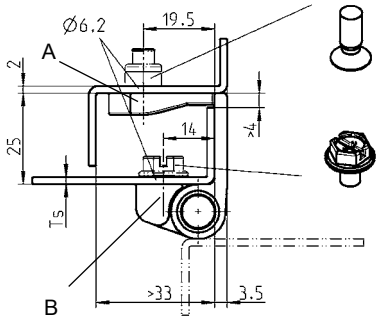
* Safety nut M6

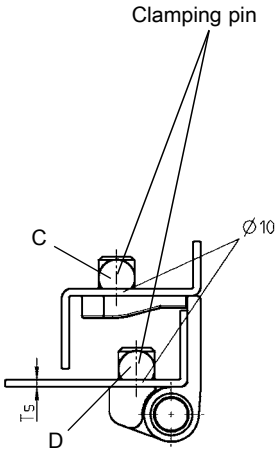


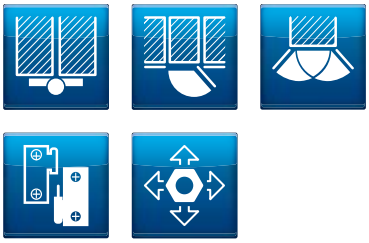
*Countersunk screw small head M6x...



*Vibration proof screw 1000-277-02JB (M6x6)













180° Hinge zinc die black powder-coated; fixing pin polyamide GF black; hinge pin and washer polyamide GF black	
Version	**Ts = 2.0**
A+B, screw-on (2D nut possible)	1110-U122
C+D, clamp-on	1110-U126
180° Hinge; frame part zinc die black powder-coated; hinge part polyamide 66 GF 50 black; fixing pin polyamide GF black; hinge pin and washer polyamide GF black	
Version	**Ts = 1.5 - 1.8**
A+D, screw-on and clamp-on (2D nut usable)	1110-U133
Support plate 304 (1x per clamping pin)	
for Ts 1.0 (1110-U126); for Ts 0.8 (1110-U133)	1110-39-01
for Ts 1.5 (1110-U126); for Ts 1.0 - 1.3 (1110-U133)	1110-39

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D Nut 8E-120
– Fixing material 8E-100

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Items printed in gray without stock

EMKA®
Beschlagteile

180° Hinge with captive pin

PROGRAM 1110

180° Hinge for in-line cabinets with single doors can be unhinged at 90° opening angle, for 25 mm door return

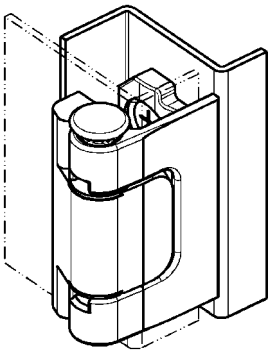


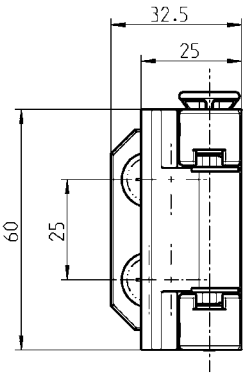


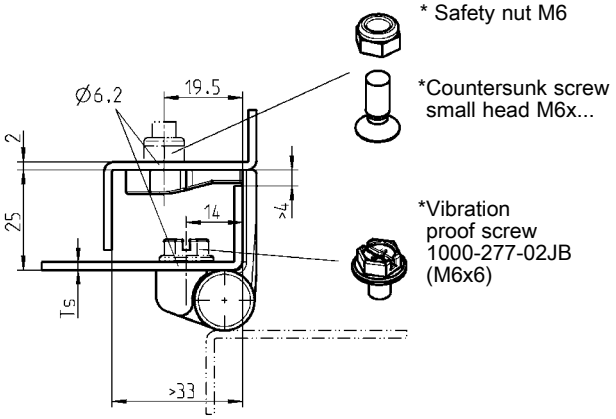












*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

– 2D Nut 8E-120
– Fixing material 8E-100

180° Hinge zinc die black powder-coated; hinge pin and washer polyamide GF black; shaft clamping ring POM red	
	Ts = 2.0
(2D nut possible)	1110-U142
Bracket with fixing pin, clamp-on	on request

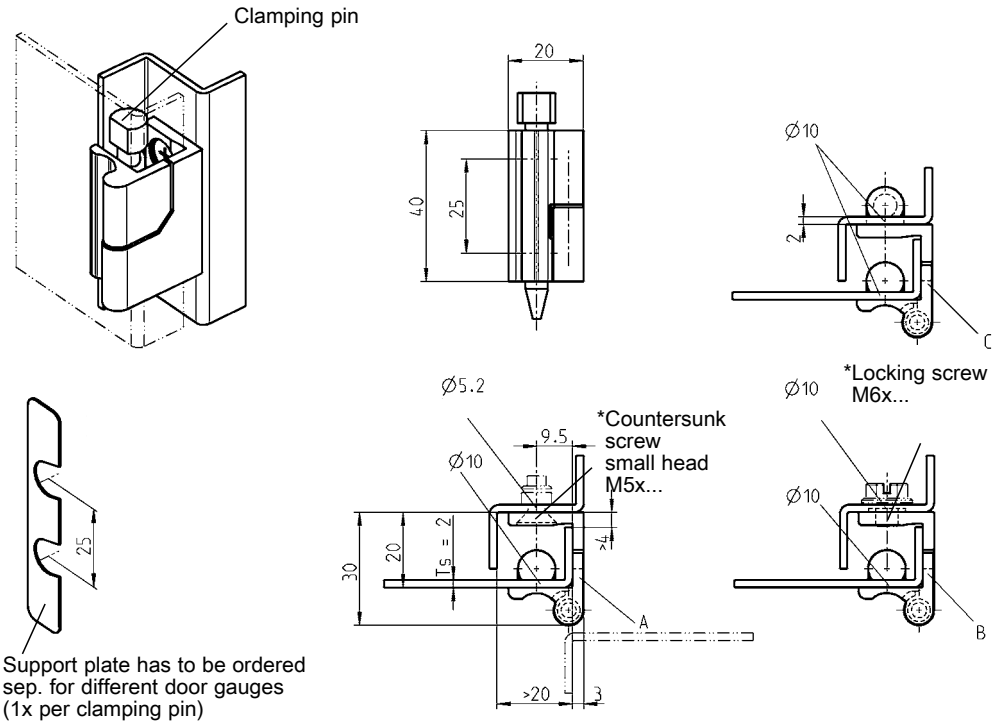
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180° Hinge

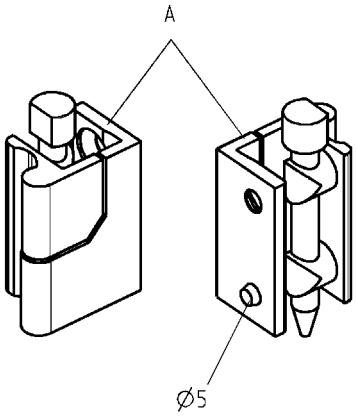
PROGRAM 1110

180° Hinge for in-line cabinets with double doors, lift-off from 70° opening angle, for 20 mm door return

Version for
Ts = 2



Support plate has to be ordered sep. for different door gauges (1x per clamping pin)



Only for version A

Also available in chrome-plated and other RAL colours on request.



Version A



Version B



Version C

180° Hinge zinc die black powder-coated; fixing pin polyamide GF black; hinge pin stainless steel and washer brass		
Version A	Right	1110-U78
	Left	1110-U81
Version B	Right	1110-U79
	Left	1110-U82
Version C	Right	1110-U80
	Left	1110-U83
Support plate 304 (1x per clamping pin)		
for Ts 1.0		1110-39-03
for Ts 1.5		1110-39-02

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– Fixing material 8E-100

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EMKA® Beschlagteile

180° Screw-on hinge

PROGRAM 1055, 1039

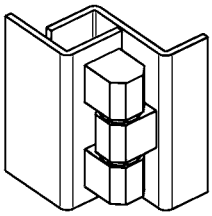
AISI INOX

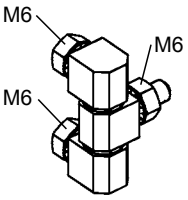


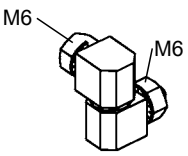


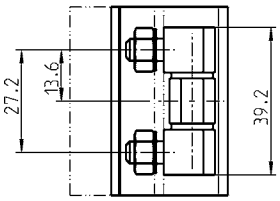
180° Screw-on hinge

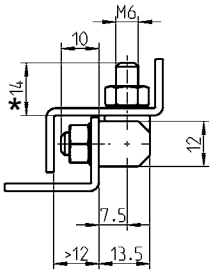
EDELSTAHL Rostfrei STAINLESS STEEL











* = 10 mm with two-piece hinge

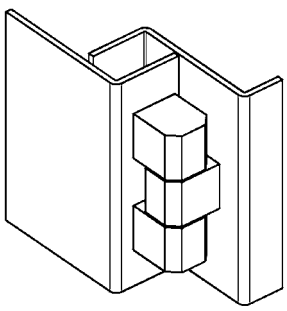
180° Screw-on hinge m.s. zinc-plated; pin and washers brass nickel-plated or completely stainless steel		
– three-piece	m.s.	1055-U2
	AISI 303	1055-U6
	AISI 316	1055-U8
– two-piece	m.s.	1055-U5

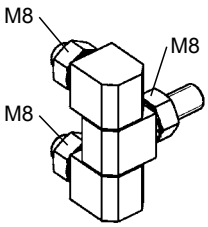


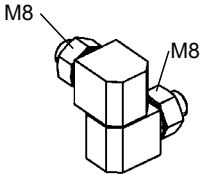


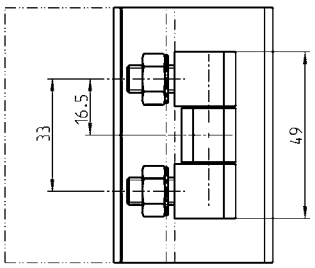
180° Screw-on hinge

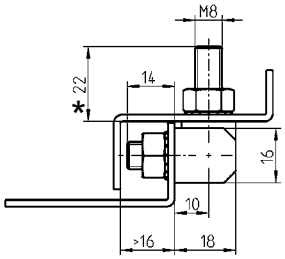
EDELSTAHL Rostfrei STAINLESS STEEL











* = 14 mm with two-piece hinge

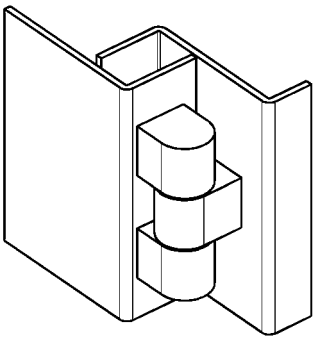
180° Screw-on hinge m.s. zinc-plated; pin and washers brass nickel-plated or completely stainless steel		
– three-piece	m.s.	1039-U12
	AISI 303	1039-U19
	AISI 316	1039-U26
– two-piece	m.s.	1039-U17

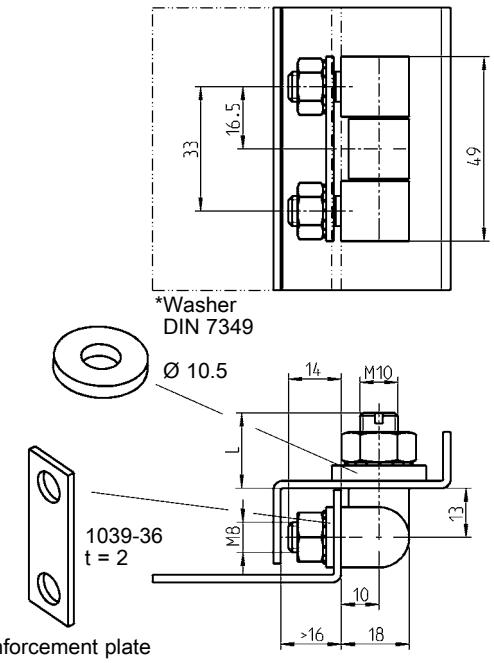
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Hinge

PROGRAM 1039, 1035

180° Screw-on hinge,
e.g. for pressure-tight doors

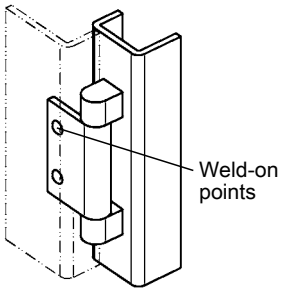


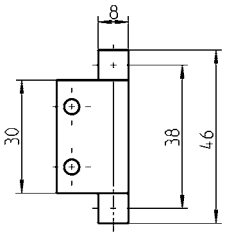


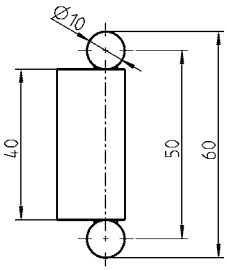


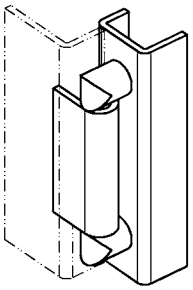
180° Screw-on hinge tempered C35, zinc-plated; pin and washers brass nickel-plated		
Stud length	L = 20 mm	1039-U6
	55 mm	1039-U7
	65 mm	1039-U8
Reinforcement plate m.s. zinc-plated		
		1039-36

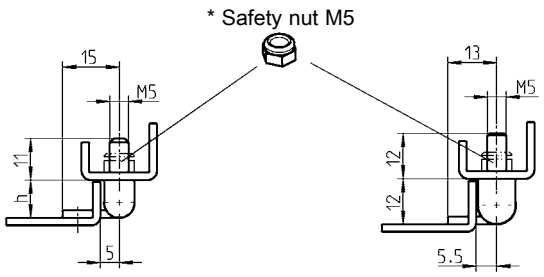
180° Hinge















180° Hinge m.s. zinc-plated; hinge leaf m.s. raw		180° Hinge m.s. zinc-plated; hinge leaf m.s. raw	
h = 10	1035-U1		1035-U2
12	1035-U3		

*not included in the scope of delivery

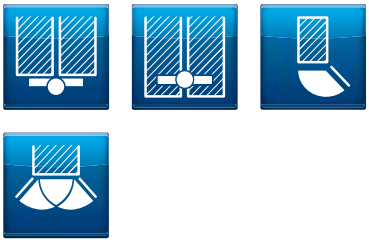
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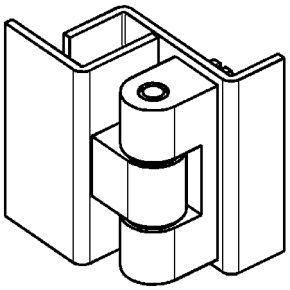
Hinge

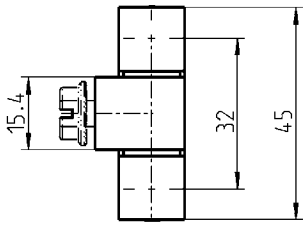
PROGRAM 1054, 1105





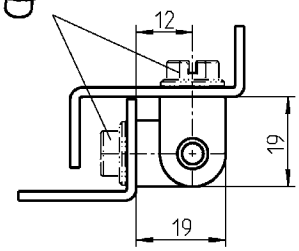
180° Screw-on hinge







*Locking screw
1000-277-03JB (M6x8)

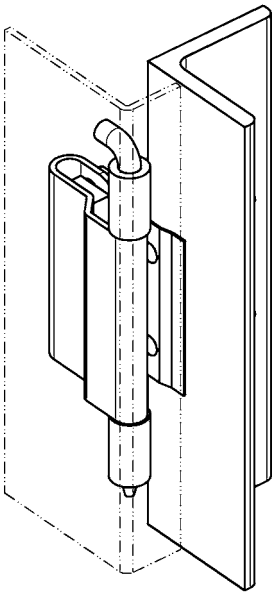


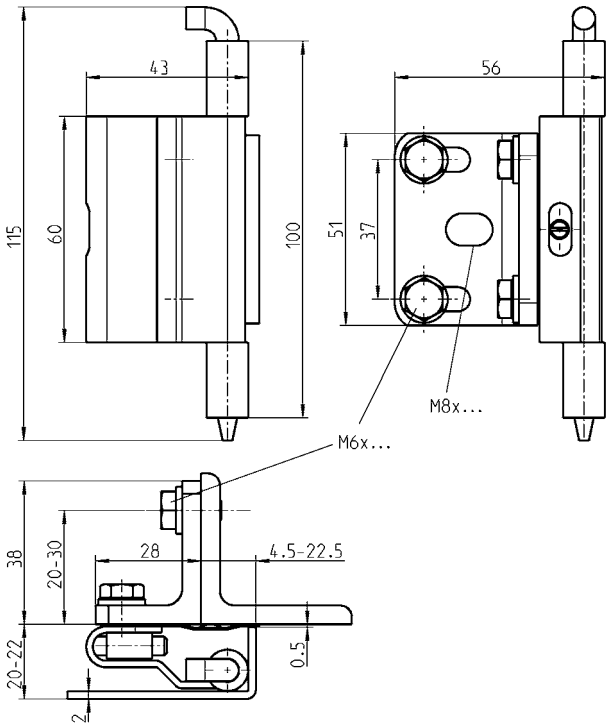
180° Screw-on hinge zinc die; pin stainless steel and bushes polyamide	
chrome-plated	1054-U1
black powder-coated	1054-U30





130° Spring-loaded hinge





130° Spring loaded hinge m.s. zinc-plated; door part m.s. raw, spring stainless steel blank	
	1105-U1

*not included in the scope of delivery

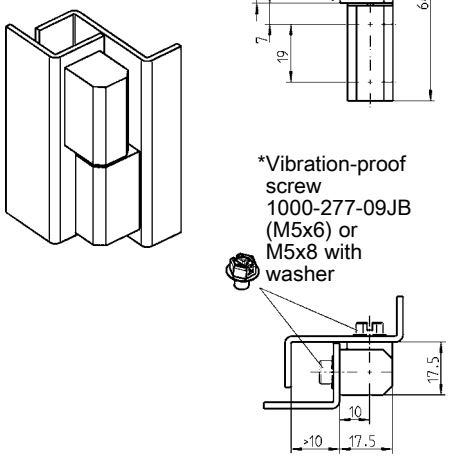
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Items printed in gray without stock

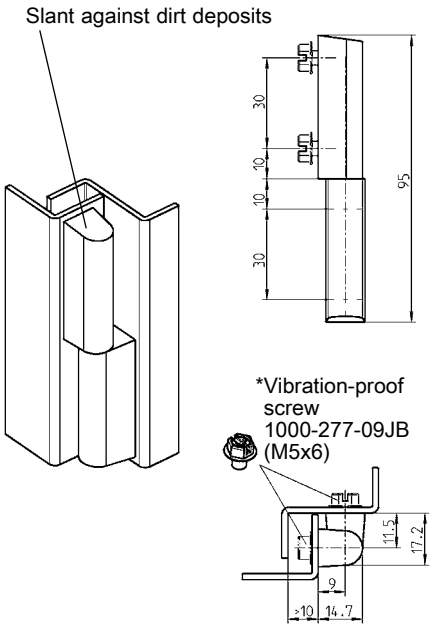
Screw-on hinge

PROGRAM 1056, 1079

180° Screw-on hinge

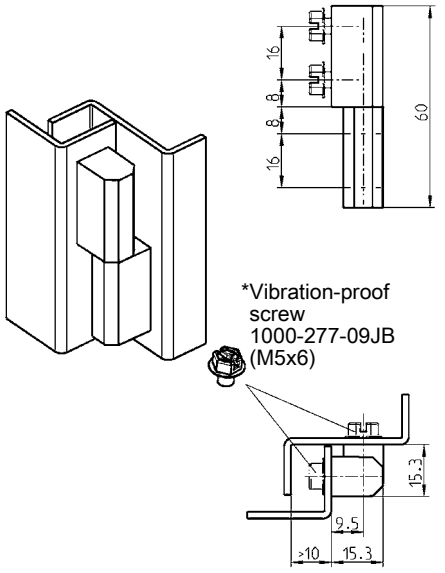


180° Plastic screw-on hinge

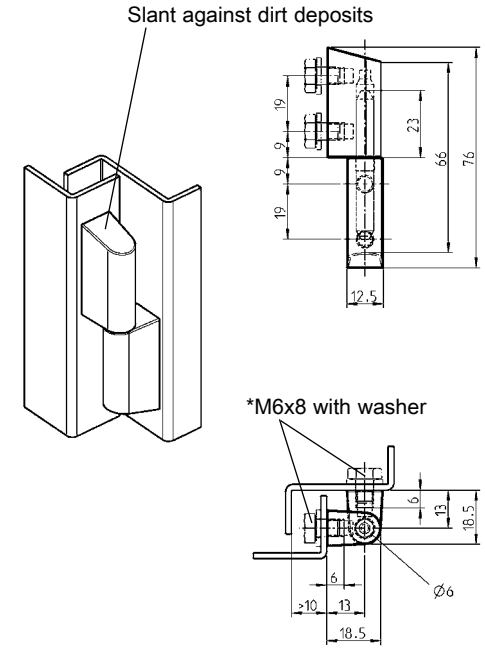


180° Screw-on hinge zinc die black powder-coated or AISI 316		Plastic screw-on hinge polyamide GF black; pin stainless steel and insert part m.s. raw	
Zinc die	1056-U34		1079-U2
AISI 316	1056-U34-PH		

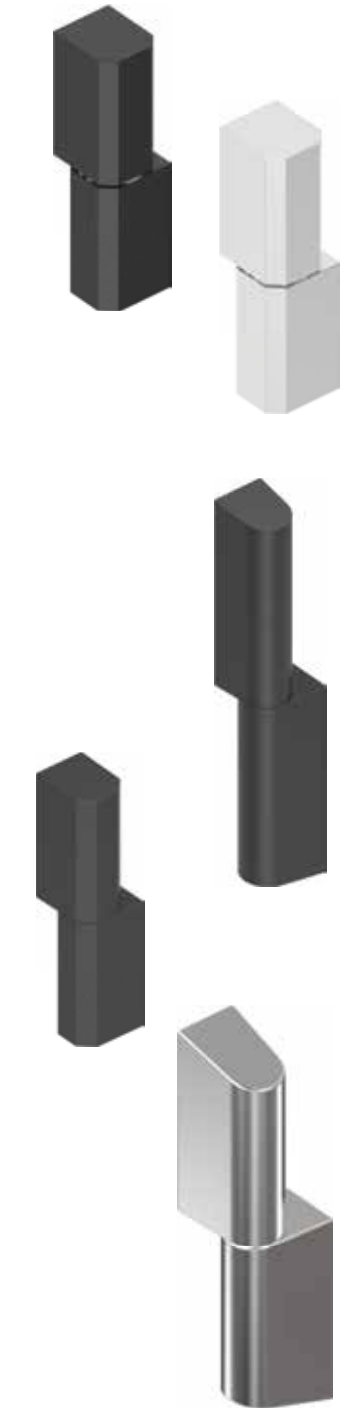
180° Plastic screw-on hinge



180° Stainless steel screw-on hinge



Plastic screw-on hinge polyamide GF black; pin stainless steel and insert part m.s. raw		Stainless steel screw-on hinge AISI 316	
	1079-U4		1079-U5-PH



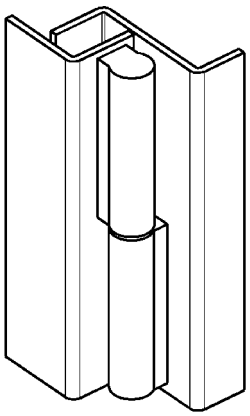
*not included in the scope of delivery

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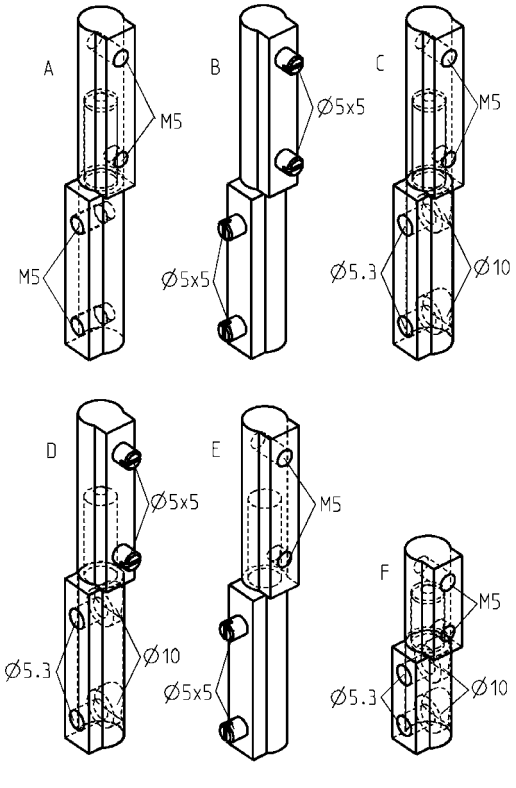
Profile hinge

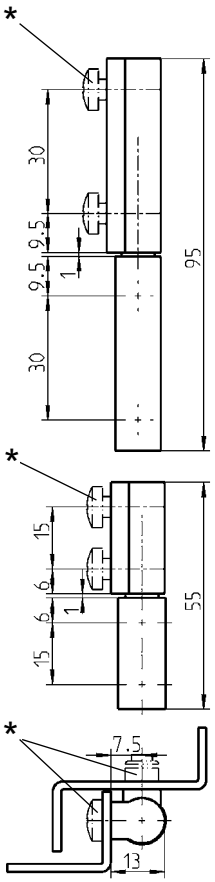
PROGRAM 1036











Profile hinge m.s. zinc-plated; with weld-on stud m.s. raw; covering sleeve stainless steel	
A	1036-U2
B	1036-U3
C **	1036-U4
D **	1036-U5
E	1036-U6
F **	1036-U7

** = Covering sleeve

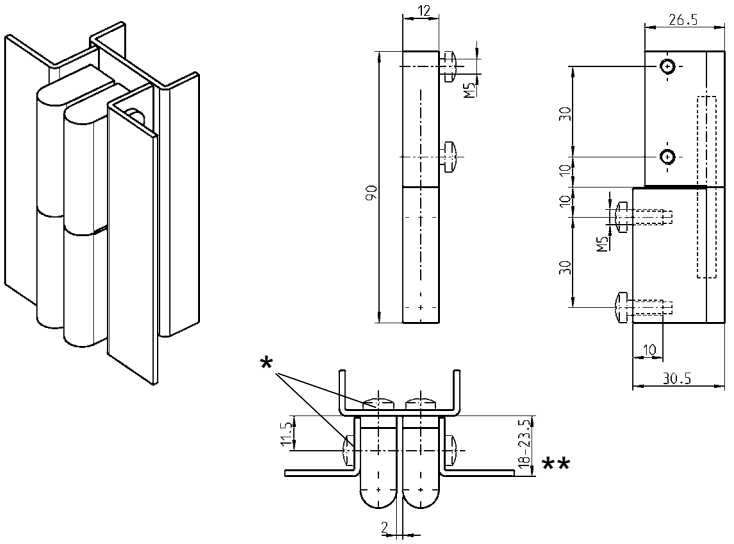
*not included in the scope of delivery

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Hinge

PROGRAM 1033, 1036

Screw-on hinge



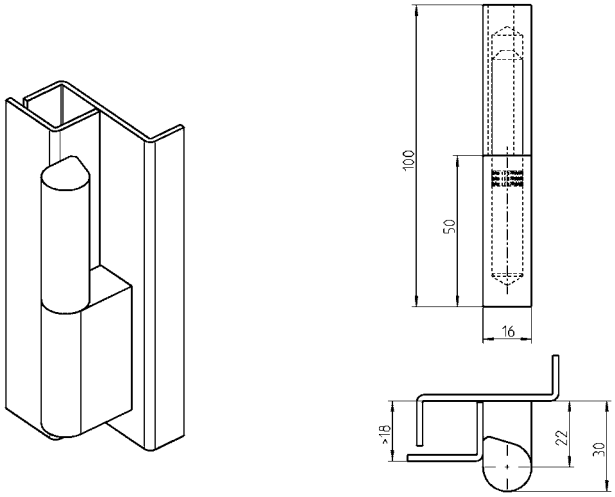
**In case of 18 mm, an opening angle of 180° for in-line cabinets with double doors is possible.



*not included in the scope of delivery

Screw-on hinge zinc die; pin stainless steel	
chrome-plated	1036-U9
black powder-coated	1036-U10

180° Hinge for in-line cabinets with single doors





180° Weld-on hinge m.s. raw	
	1033-U44

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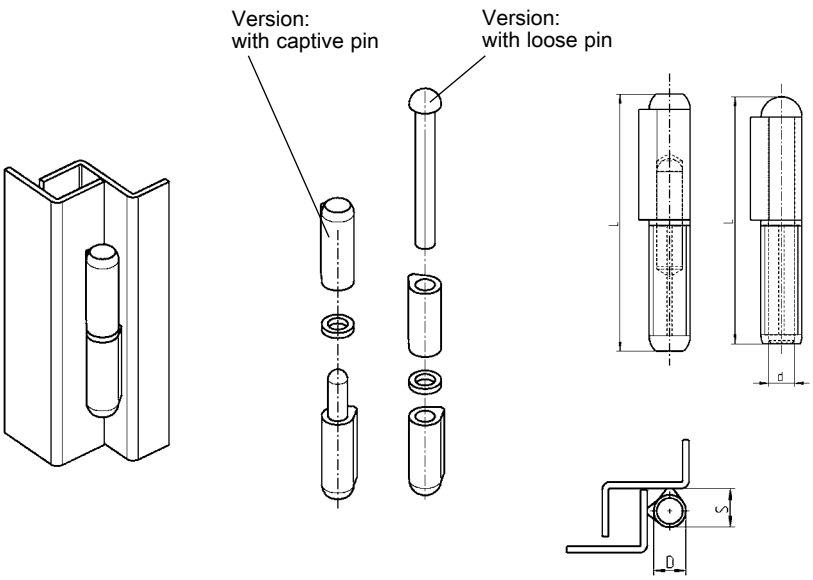
Hinge

PROGRAM 1033

AISI INOX

Weld-on hinge

EDELSTAHL Rostfrei STAINLESS STEEL





Note:
L-dimensions are nominal;
weld-on hinges
may be smaller

For the version with captive pin, the upper part can be ordered with grease nipple from L-dimension 80 onwards on request.

Weld-on hinges made of aluminium on request!

Version with captive pin; material of choice

L	D	d	S	m.s. raw Pin m.s.	m.s. raw Pin brass	AISI 304 Pin AISI 304
40	8	5	9.5	1033-U1*	1033-U14*	-
50	8	5	9.5	1033-U2*	1033-U15*	-
60	10	6	12.0	1033-U3*	1033-U16*	1033-U70
70	10	7	12.0	1033-U4*	1033-U17*	-
80	13	8	15.5	1033-U5*	1033-U18*	1033-U71
100	16	10	20.0	1033-U7*	1033-U20*	1033-U72
120	16	11	20.0	1033-U8*	1033-U21*	1033-U73
135	18	12	22.0	1033-U9	1033-U22	-
150	20	13	25.0	1033-U11	1033-U24	1033-U74
180	20	14	25.0	1033-U13*	1033-U26*	1033-U75
200	23	16	28.5	1033-U60	1033-U61	-

* = in stock

Version with loose pin; material of choice

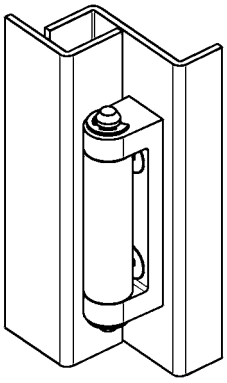
L	D	d	S	m.s. raw Pin m.s.	m.s. raw Pin brass	AISI 304 Pin AISI 304
40	8	5	9.5	1033-U27	1033-U35	-
50	8	5	9.5	1033-U55	1033-U56	-
60	10	6	12.0	1033-U28	1033-U36	-
70	10	7	12.0	1033-U57	1033-U58	-
80	13	8	15.5	1033-U29	1033-U37	-
100	16	10	20.0	1033-U30	1033-U38	-
120	16	11	20.0	1033-U31	1033-U39	-
135	18	12	22.0	1033-U32	1033-U40	-
150	20	13	25.0	1033-U33	1033-U41	-
180	20	14	25.0	1033-U34	1033-U42	-
200	23	16	28.5	1033-U63	1033-U64	-

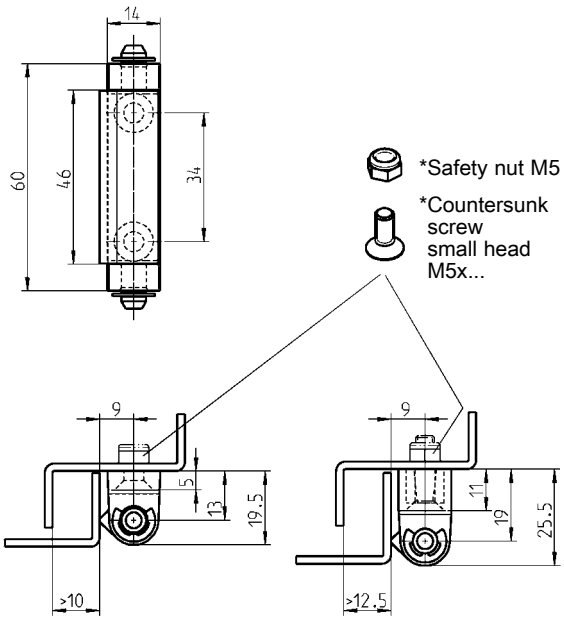
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Hinge

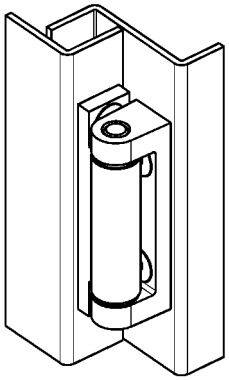
PROGRAM 1054

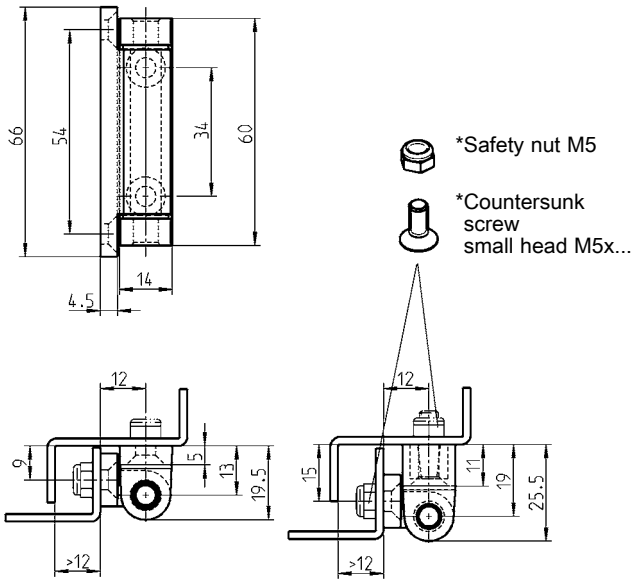






Hinge zinc die; middle part m.s. raw; pin and washer m.s. zinc-plated		
	Dim. 19.5	**Dim. 25.5**
chrome-plated	1054-U2	1054-U14
black powder-coated	1054-U8	1054-U15
raw	1054-U26 **	1054-U25 **
** = Minimum order quantity: 1000 pieces		







Hinge zinc die; pin stainless steel and bushes polyamide		
	Dim. 19.5	**Dim. 25.5**
chrome-plated	1054-U3	1054-U16
black powder-coated	1054-U9	1054-U17
raw	1054-U23 **	1054-U24 **
** = Minimum order quantity: 1000 pieces		

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

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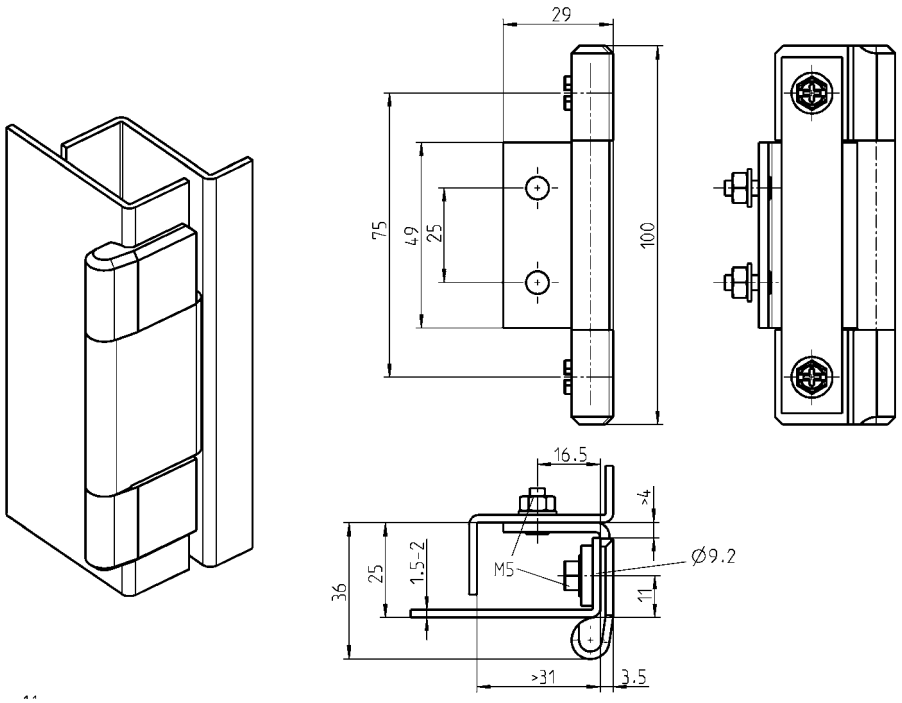
180° Hinge

PROGRAM 1110





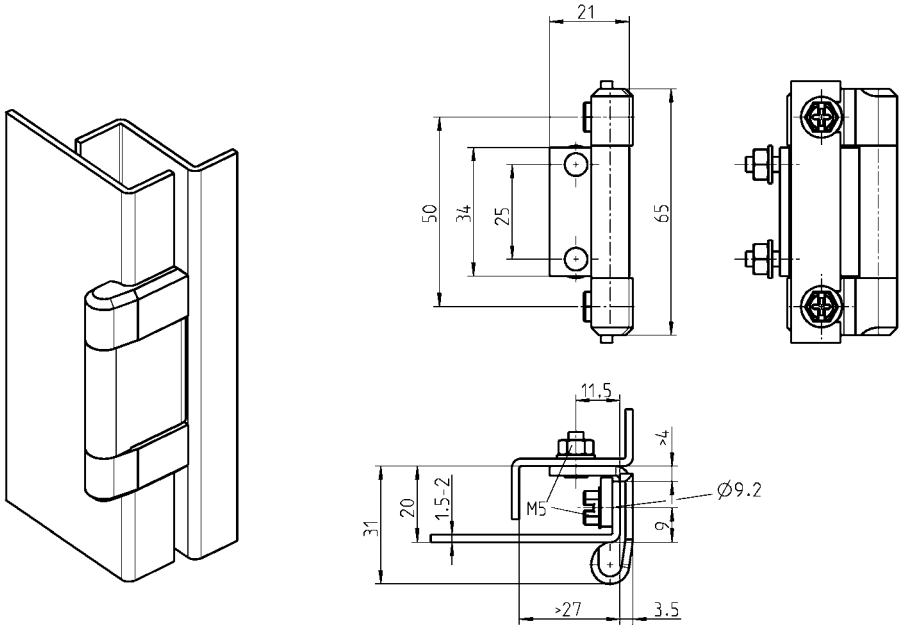
180° Hinge for in-line cabinets with double doors, for 25 mm door return



180° Hinge part m.s. black; door part zinc die black powder-coated; fixing material m.s. zinc-plated	1110-U26

180° Hinge for in-line cabinets with double doors, for 20 mm door return





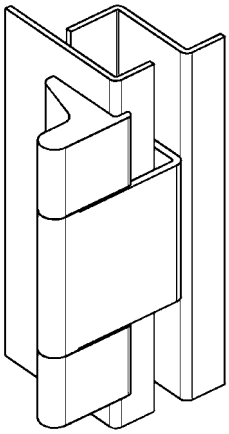
180° Hinge part m.s. black; door part zinc die black powder-coated; fixing material m.s. zinc-plated	1110-U114

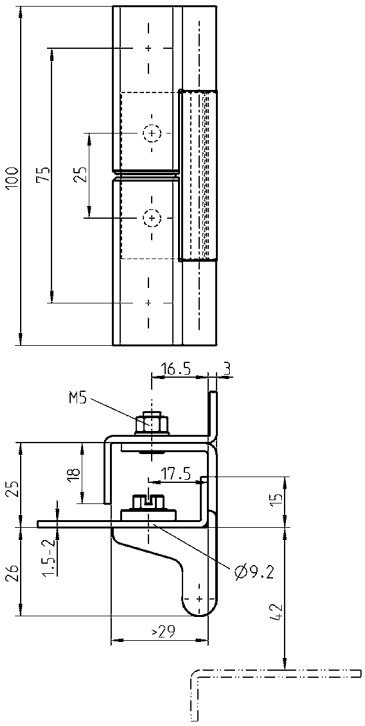
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180° Hinge

PROGRAM 1110

180° Hinge for in-line cabinets with double doors, for 25 mm door return



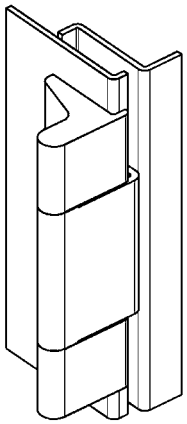


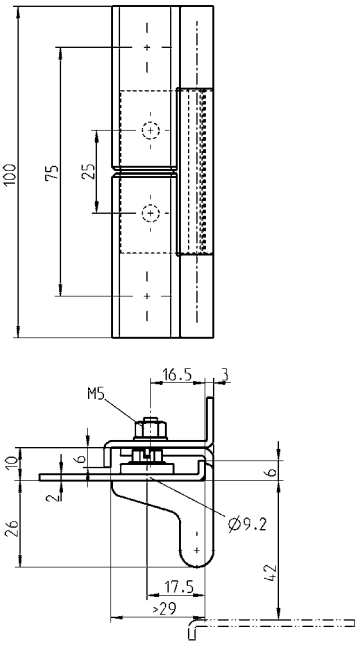


180° Hinge part m.s. black; door part zinc die black powder-coated; fixing material m.s. zinc-plated

1110-U112

180° Hinge for in-line cabinets with double doors, for 10 mm door return







180° Hinge part m.s. black; door part zinc die black powder-coated; fixing material m.s. zinc-plated

1110-U113

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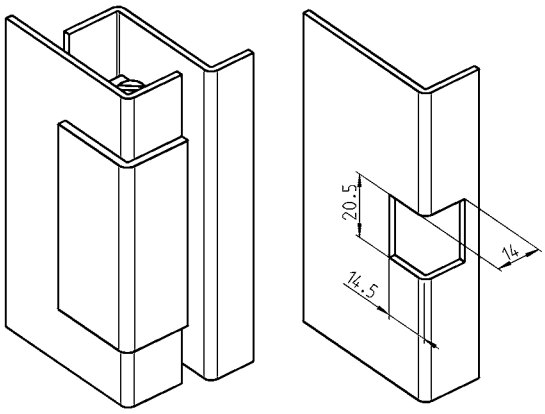
120° Hinge with quick fastening system

PROGRAM 1110

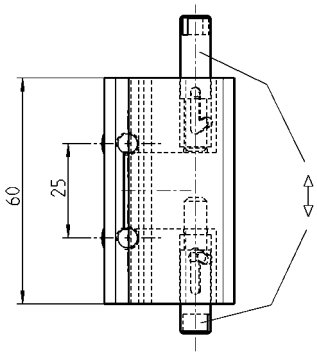


120° Hinge for 25 mm door return
Easy assembly / disassembly of the door



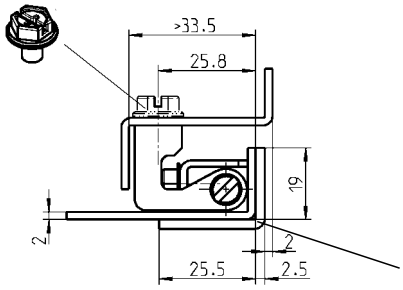


Cut out



Push in pin against spring pressure and unlock with rotary movement

*Vibration-proof screw
1000-277-03JB
M6x8



Hinge bracket with fixing panel and fastening screw

Fixing panel with tips suitable for earthing.

*not included in the scope of delivery

120° Hinge zinc die black powder-coated;
fixing material m.s. zinc-plated

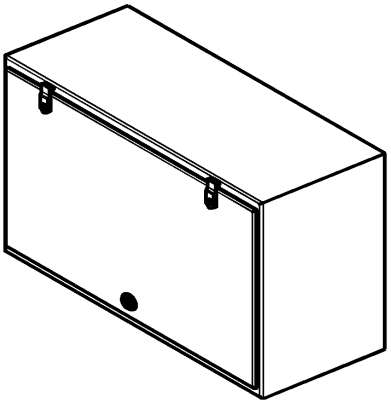
1110-U111

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135° Integral hinge for light doors and flaps

PROGRAM 1126

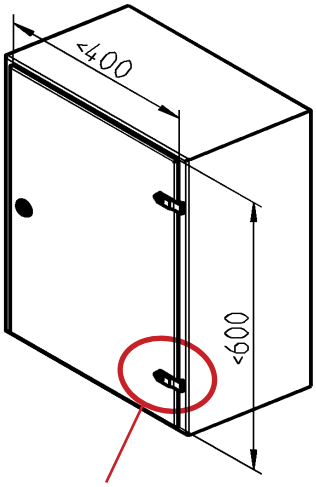
Installation situation flap





Detail A
Door closed

Installation situation door

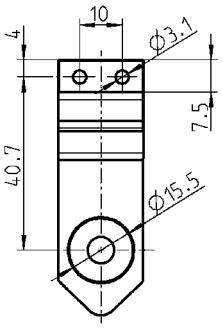


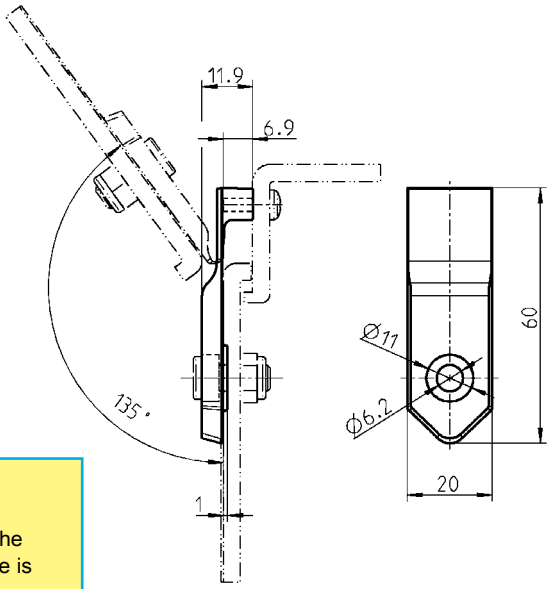
Detail A



Detail A
Door opened







Product benefits

- Special plastic guarantees that the bending axis of the integral hinge is permanently protected against brittleness or failure
- Easy to assemble
- Low-priced

Application:

This integral hinge is suitable for light doors and flaps with low opening frequency, e.g. made of plastic.

Technical Data:

2,000 cycles
at 135° open-close
in case of a load of approx. 2.5 kg door weight / hinge
(recommended load per hinge)

135° Integral hinge modified to impact strength polyamide black	
	on request

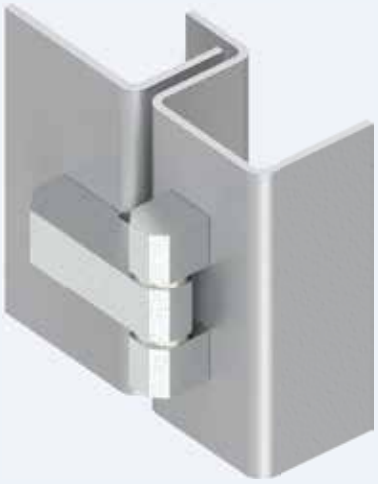
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Hinge
for flush door

1



2



Door and housing / frame pictured transparent

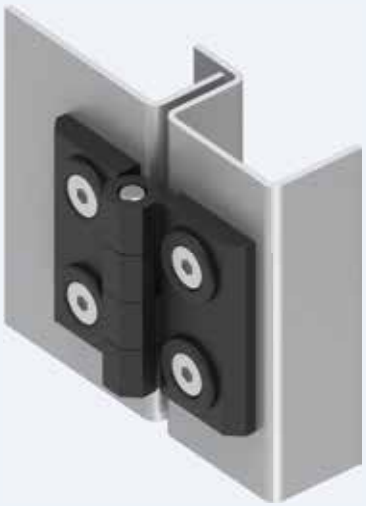
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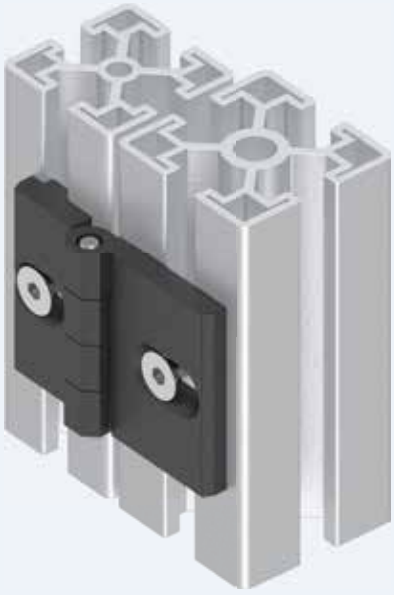
2



3



4



2



5



6



7



1	90° and 180° Concealed hinge	4B-120 to 4B-140
2	180° and 270° Prominent hinge	4B-160 to 4B-220, 4B-245
3	180° 2D Prominent hinge	4B-215
4	180° Prominent hinge for profile rails	4B-230
5	180° Prominent hinge and lift-off version	4B-240
6	180° Prominent hinge	4B-280 to 4B-300
7	180° 2D and 3D Prominent hinge	4B-248 to 4B-260

EMKA® Beschlagteile

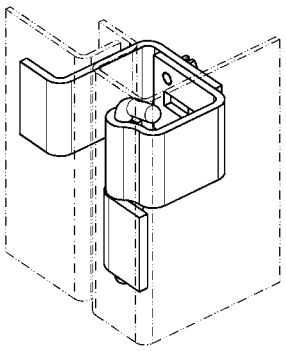
90° Concealed hinge

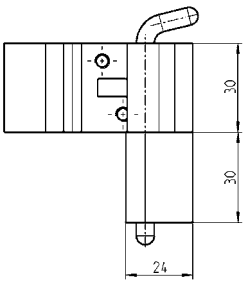
PROGRAM 1006, 1007

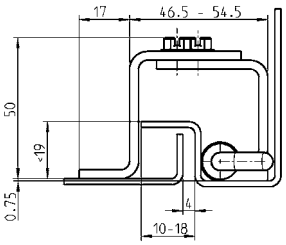
EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX



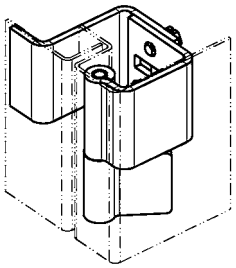


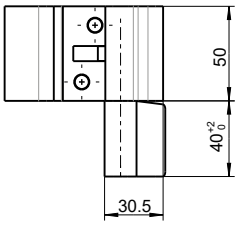


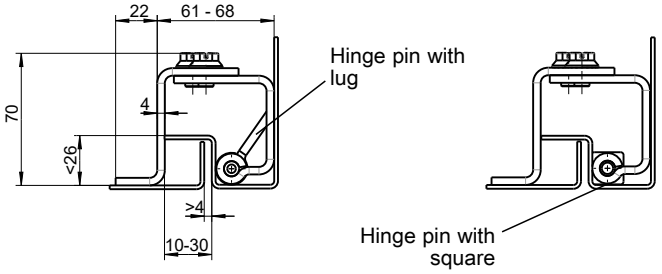


Concealed hinge	
m.s. zinc-plated, weld-on part m.s. raw	1006-U1
AISI 304 and AISI 303	1006-U1-PC









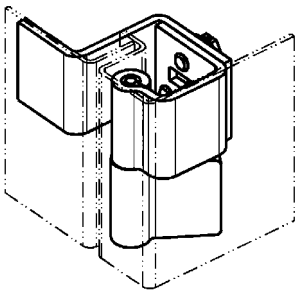
Concealed hinge m.s. zinc-plated, weld-on parts m.s. raw	
Hinge pin with lug	1007-U2
Hinge pin with square (17x50)	1007-U1

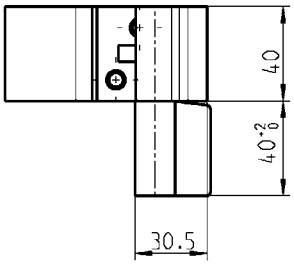
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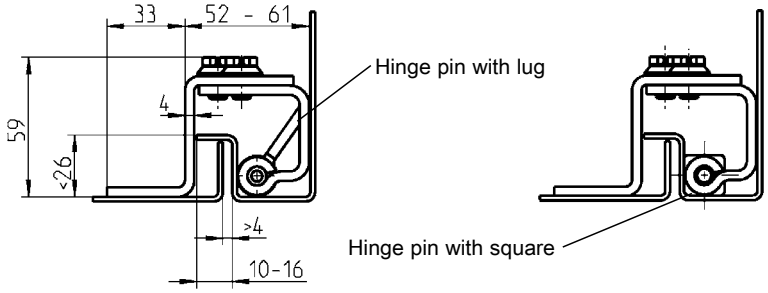
90° Concealed hinge

PROGRAM 1046

EDELSTAHL Rost frei STAINLESS STEEL

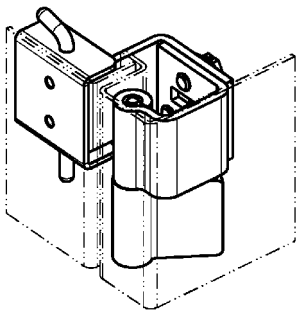


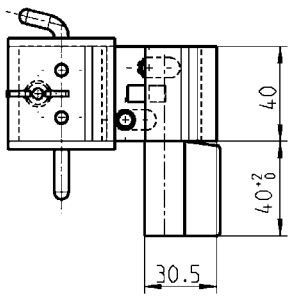


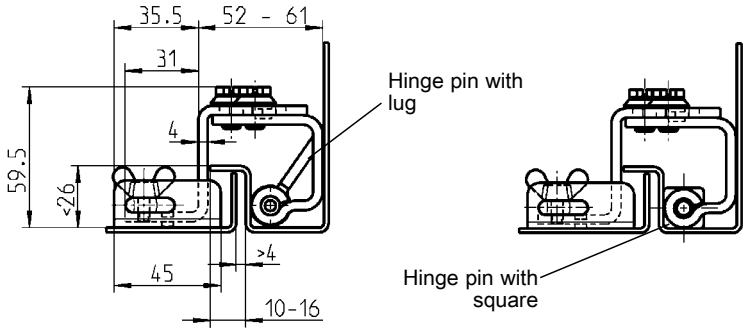




Concealed hinge m.s. zinc-plated., weld-on parts m.s. raw or AISI 304 and AISI 303		
	m.s.	AISI 304
Hinge pin with lug	1046-U1	1046-U5
Base (square 17x50)	1046-U3	–









Concealed hinge m.s. zinc-plated, weld-on parts m.s. raw	
Hinge pin with lug	1046-U2
Base (square 17x50)	1046-U4

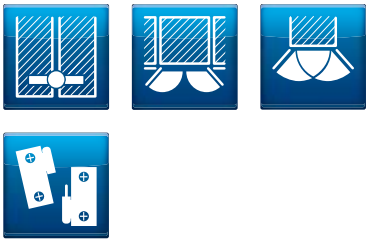
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Items printed in gray without stock

EMKA® Beschlagteile

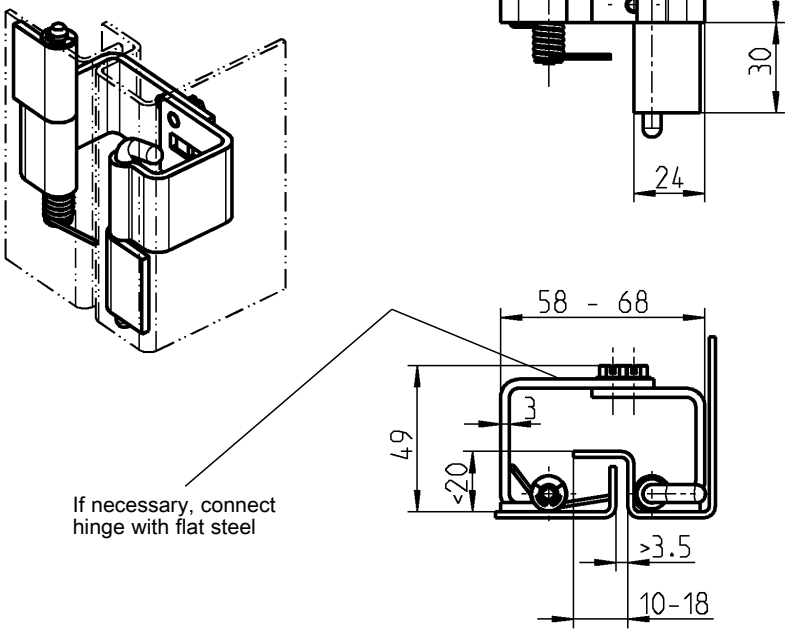
180° Concealed hinge

PROGRAM 1042, 1043





Spring for LH-version

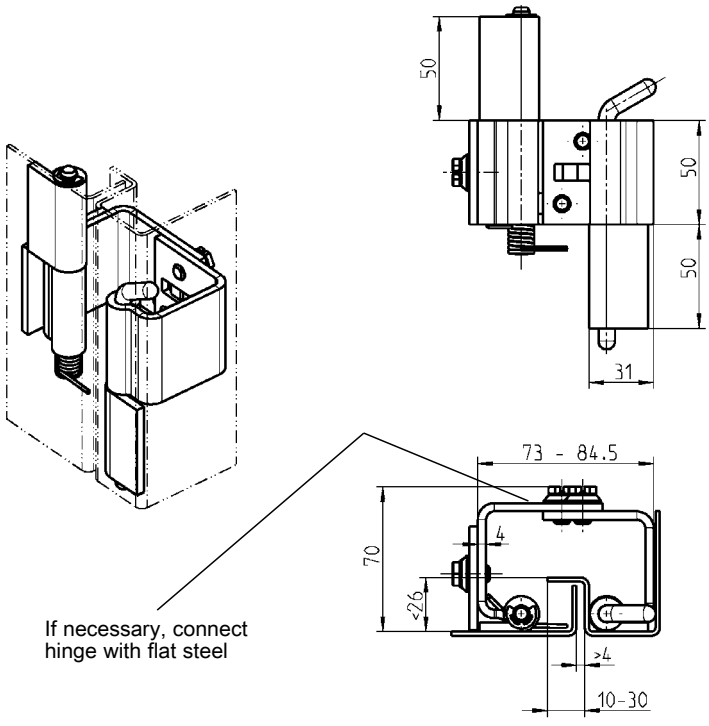


180° Concealed hinge m.s. zinc-plated, spring material spring steel, weld-on parts m.s. raw

1042-U1



Spring for LH-version



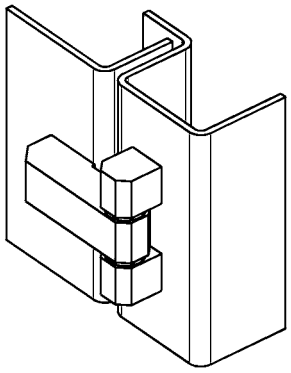
180° Concealed hinge m.s. zinc-plated, spring material spring steel, weld-on parts m.s. raw

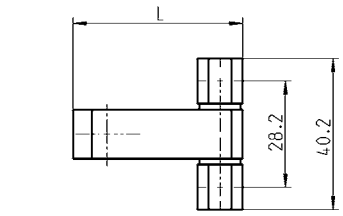
1043-U1

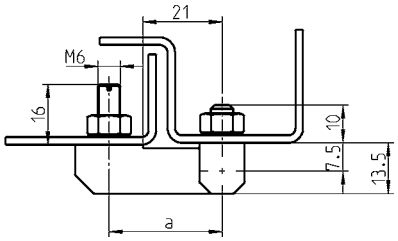
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180° Screw-on hinge

PROGRAM 1039, 1055



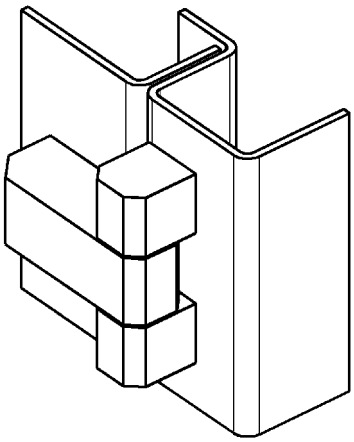


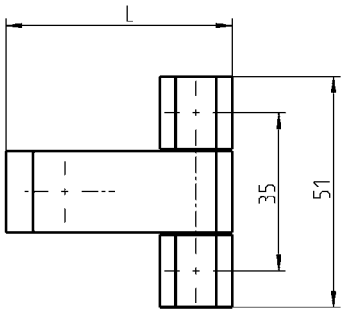


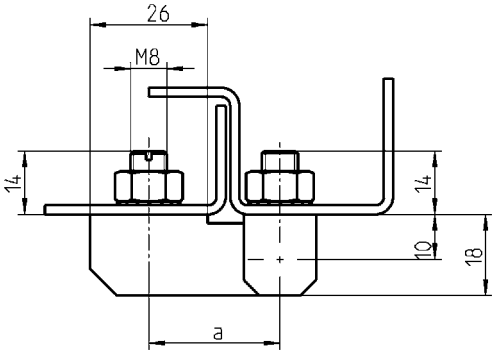


Screw-on hinge m.s. zinc-plated, pin and washers brass nickel-plated or completely stainless steel

L	a	m.s.	AISI 303	AISI 316
45	30	1055-U3	1055-U7	1055-U9
53	38	1055-U4	–	–









Screw-on hinge m.s. zinc-plated, pin and washers brass nickel-plated or completely stainless steel

L	a	m.s.	AISI 303	AISI 316
50	29	1039-U10	1039-U18	1039-U25
61	40	1039-U11	–	–

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EMKA® Beschlagteile

180° Screw-on hinge

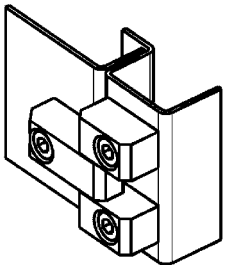
PROGRAM 1039

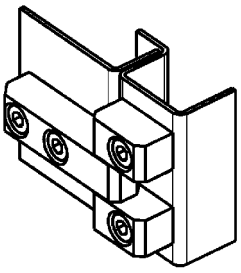


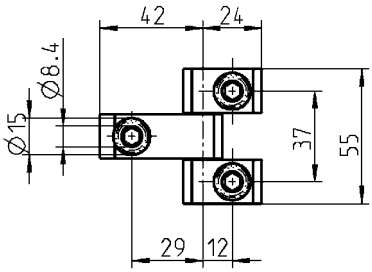


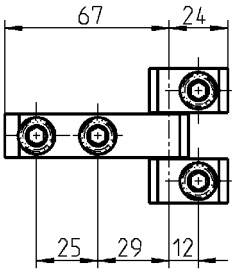


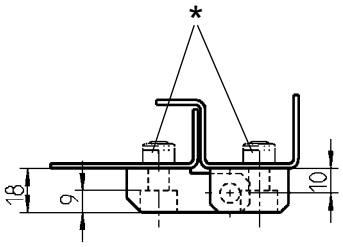
*not included in the scope of delivery

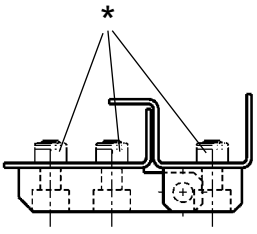












Screw-on hinge m.s. zinc-plated, pin and washers brass nickel-plated	
Middle part short with one bore hole Ø 8.4 mm	1039-U13
Middle part short without bore hole for weld-on	1039-U14
Middle part long with two bore holes Ø 8.4 mm	1039-U15

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Items printed in gray without stock

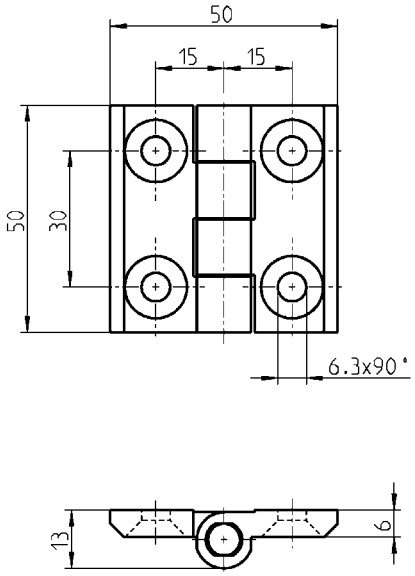
180° Screw-on torque hinge

PROGRAM 1056

EMKA Beschlagteile

Product benefits

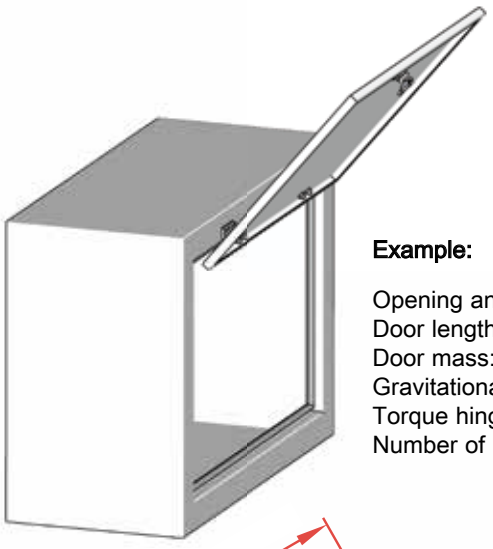
- Holds any position continuously at adequate load
- Constant torque across 180° adjustment range
- Same torque during opening and closing
- Compatible with all hinges of the 1056 program with identical cut out
- Can replace door stops, cover stays or gas springs depending on installation location

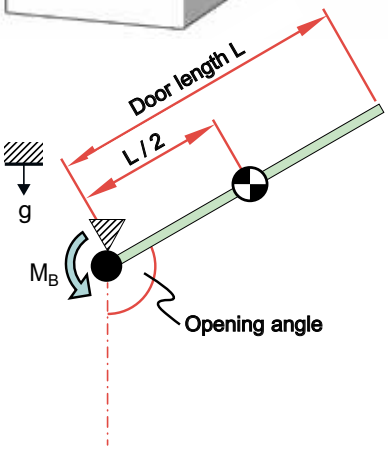




Dimensioning / Calculation:

The number of hinges for covers depends of the size and weight of the cover.
We are pleased to help you with the dimensioning of the hinges on request.





Example:

Opening angle: . . . . . α = 120
Door length: . . . . . L = 0.4 m
Door mass: . . . . . m = 2 kg
Gravitational pull: . . . . . g = 9.81 m/s²
Torque hinge: . . . . . M = 2 Nm
Number of hinges: . . . . . n = ?

Formula:

$$\text{Total } M = \left(\frac{L \times m \times g \times \sin \alpha}{2}\right)$$

Result:

3.4 Nm = 2 hinges

Torque hinge

The hinge can be set continuously in any position. There it remains in the same position.
The torque is the same during opening and closing.

Application:

This torque hinge is suitable for doors and covers.

Technical Data:

10,000 cycles
at 180° open-close

Also available on request with 1.0 Nm

180° Screw-on torque hinge zinc die black powder-coated; two torque units m.s. nickel-plated		
Nm	**Tolerance ± %**	
2.0	25	1056-U110

Further parts see page
– 2D Nut 8E-120

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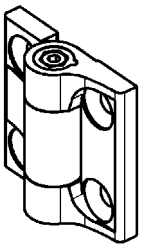
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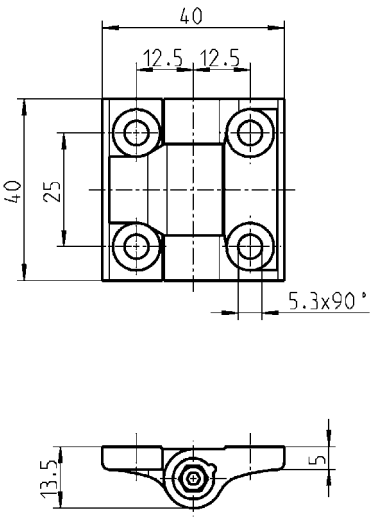
180° Screw-on torque hinge with adjustment function

PROGRAM 1056

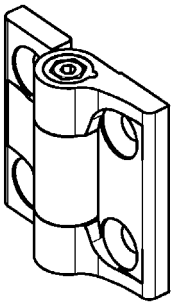
Product benefits

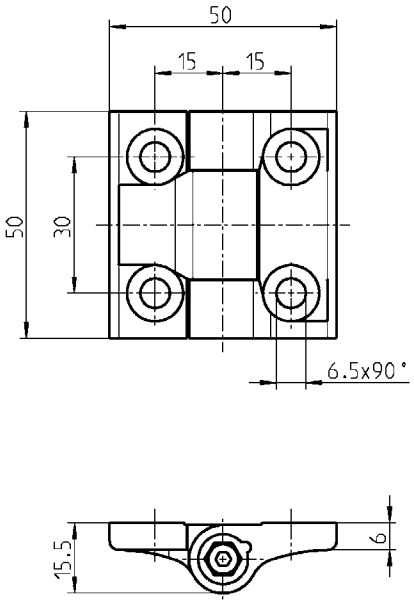
- Adjustable torque
- Constant torque across 180° adjustment range
- Same torque during opening and closing
- Adjustment of the torque may be necessary
- Compatible with all hinges of the 1056 program with identical cut out
- Can replace door stops, cover stays or gas springs depending on installation location





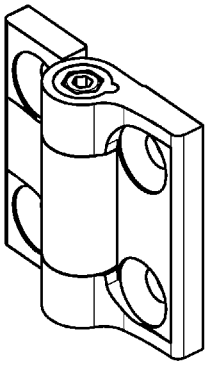
180° Screw-on torque hinge zinc die black powder-coated for countersunk screw M5; friction cone polyacetal POM; screw and nut m.s. zinc-plated		
Nm	**max. tightening torque of screw in Nm**	
to ~ 2	0.5	1056-U6-01

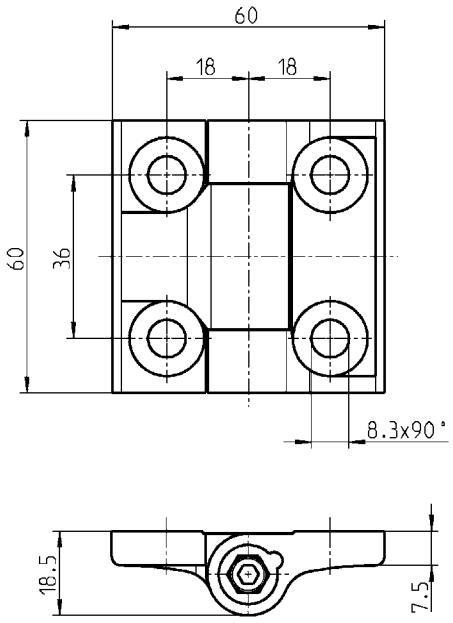




180° Screw-on torque hinge zinc die black powder-coated for countersunk screw M6 (2D nut can be used); friction cone polyacetal POM; screw and nut m.s. zinc-plated		
Nm	**max. tightening torque of screw in Nm**	
to ~ 4	0.75	1056-U10-01

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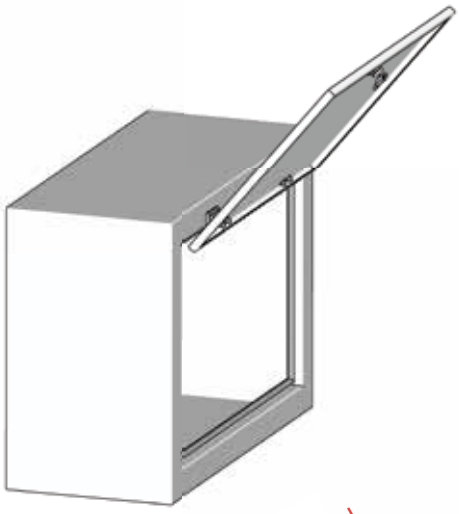


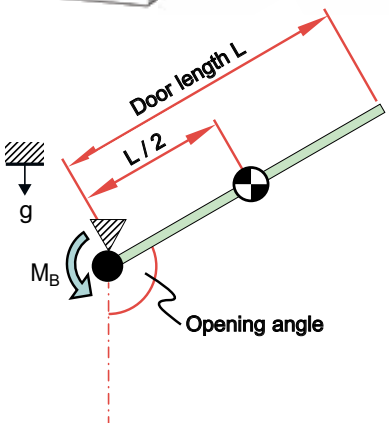




180° Screw-on torque hinge zinc die black powder-coated for countersunk screw M8; friction cone polyacetal POM; screw and nut m.s. zinc-plated

Nm	max. tightening torque of screw in Nm	
to ~ 6.5	1.5	1056-U14-01





Dimensioning / Calculation:

The number of hinges for covers depends on the size and weight of the cover.
We are pleased to help you with the dimensioning of the hinges on request.

Example:

Door length:	L	= 0.7 m
Door mass:	m	= 3.5 kg
Gravitational pull:	g	= 9.81 m/s²
Torque hinge:	M	= 6.5 Nm
Total torque	M total	= ?
Number of hinges:	n	= ?

Formula: Total torque

$$M_{total} = L / 2 \times m \times g$$

Formula: Number of required hinges

$$n = \left(\frac{M_{total}}{M} \right)$$

Result:

1.85 = 2 hinges 1056-U14-01

Torque hinge
The hinge can be set continuously in any position. There it remains in the same position.
The torque is the same during opening and closing.

Application:

This torque hinge is suitable for doors and covers.

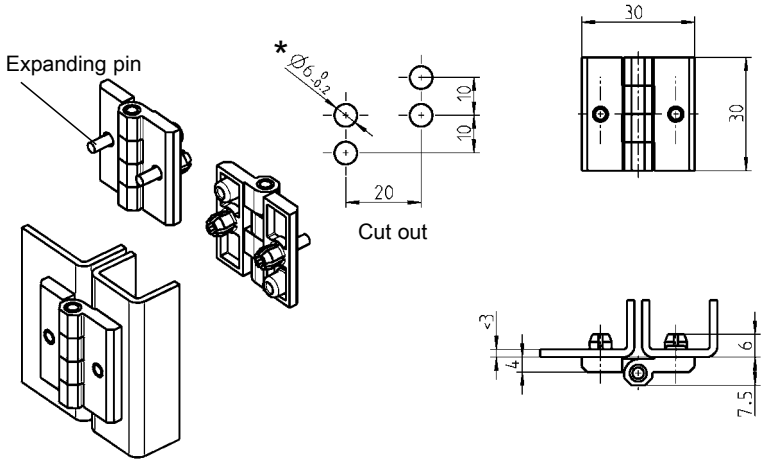
Further parts see page
– 2D Nut 8E-120
(only for 1056-U10-01)

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Notes:

180° Screw-on hinge

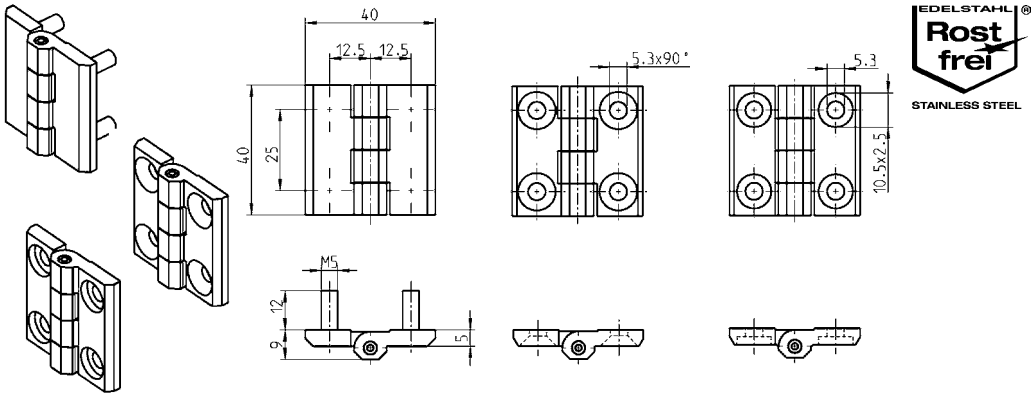
PROGRAM 1056



Hinge, hinge pin and expanding pins polyamide black	
	1056-U32



Screw-on hinge for countersunk screw M4; zinc die surface of choice; hinge pin stainless steel	
black powder-coated	1056-U60
chrome-plated	1056-U61



Screw-on hinge zinc die, polyamide black or stainless steel; threaded stud M5 stainless steel				
	Pin	Threaded stud M5	for countersunk screw M5	for cylinder screw M5
Zinc die chrome-pl.	St. steel	1056-U3	1056-U5	–
Zinc die black p.c.	St. steel	1056-U4	1056-U6	–
Polyamide GF black	St. steel	–	1056-U30	1056-U30-01
Polyamide GF black	Polyamide	–	1056-U41	–
AISI 316 bright polished	St. steel	–	1056-U5-PPPH	–
AISI 316 polished	St. steel	–	1056-U5-PH	–
AISI 316 pickled / passivated	St. steel	–	1056-U5-PVPH	–

AISI INOX



*Attention:
The specified dimension is a final dimension, please note for surface coatings.





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180° and 270° Screw-on hinge

PROGRAM 1056

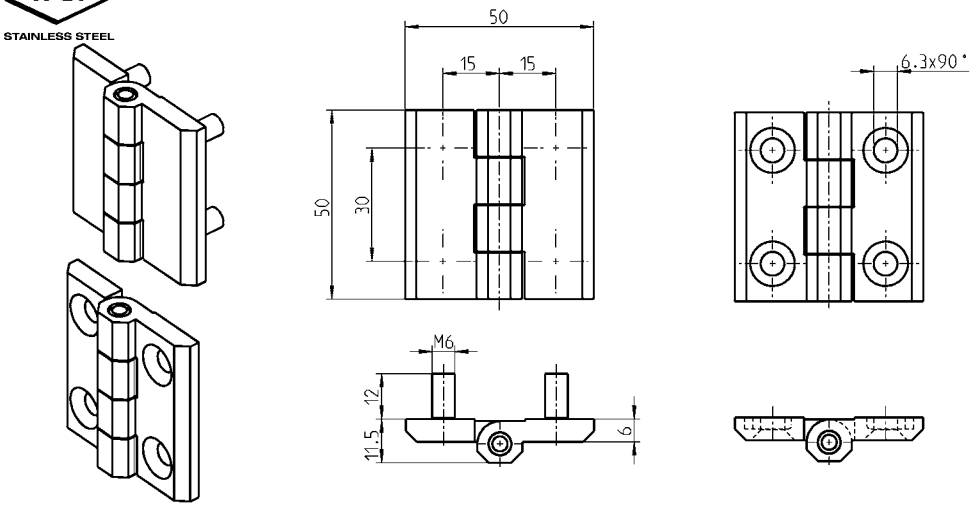






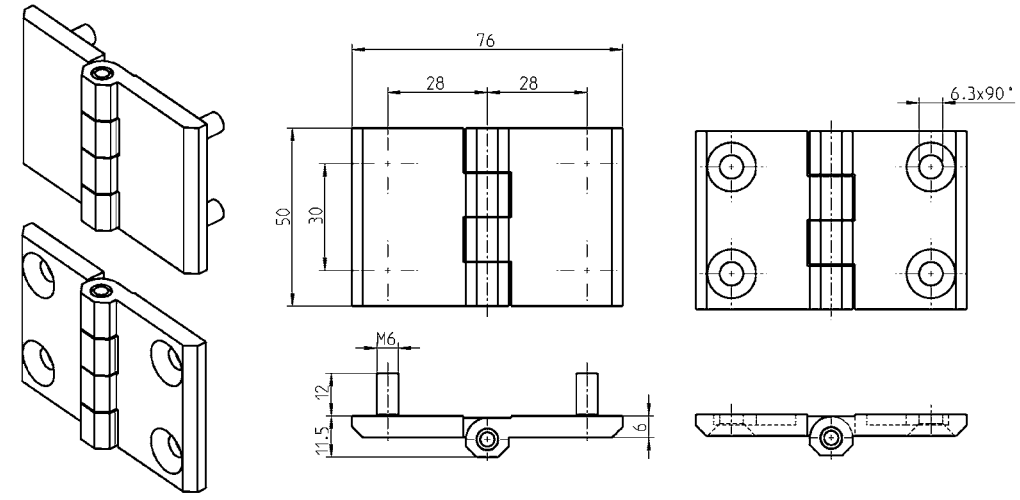


180° Screw-on hinge



Screw-on hinge zinc die, polyamide black or stainless steel; threaded stud M6 stainless steel			
① = (2D nut possible)	Pin	Threaded stud M6	① for countersunk screw M6
Zinc die chrome-plated	Stainless steel	1056-U7	1056-U9
Zinc die black powder-coated	Stainless steel	1056-U8	1056-U10
Polyamide GF black	Stainless steel	–	1056-U31
Polyamide GF black	Polyamide	–	1056-U42
AISI 316 bright polished	Stainless steel	–	1056-U9-PPPH
AISI 316 polished	Stainless steel	–	1056-U9-PH
AISI 316 pickled / passivated	Stainless steel	–	1056-U9-PVPH

270° Screw-on hinge



Screw-on hinge zinc die or stainless steel; threaded stud M6 stainless steel			
① = (2D nut possible)	Pin	Threaded stud M6	① for countersunk screw M6
Zinc die chrome-plated	Stainless steel	1056-U15	1056-U17
Zinc die black powder-coated	Stainless steel	1056-U16	1056-U18
AISI 316 bright polished	Stainless steel	–	1056-U17-PPPH
AISI 316 polished	Stainless steel	–	1056-U17-PH
AISI 316 pickled / passivated	Stainless steel	–	1056-U17-PVPH

Further parts see page
– 2D Nut 8E-120

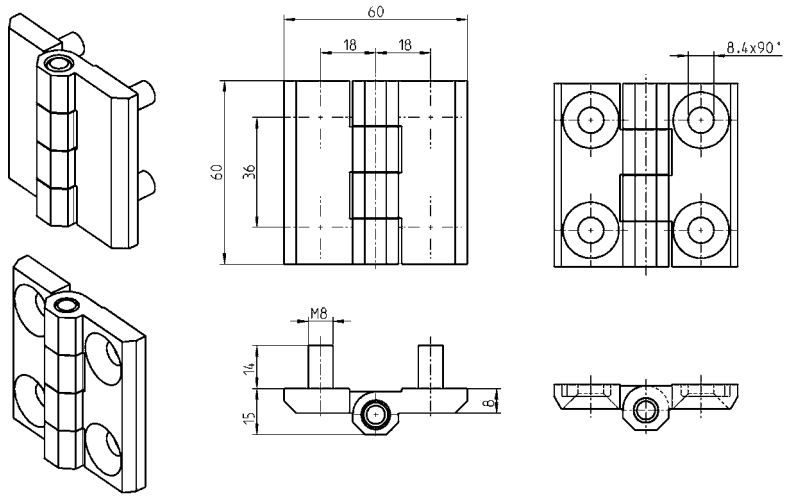
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180° Screw-on hinge

PROGRAM 1056

EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX









Screw-on hinge zinc die or stainless steel; threaded stud M8 stainless steel

	Pin	Threaded stud M8	for countersunk screw M8
Zinc die chrome-plated	Stainless steel	1056-U11	1056-U13
Zinc die black powder-coated	Stainless steel	1056-U12	1056-U14
Aluminium	Stainless steel	–	1056-U69
AISI 316 bright polished	Stainless steel	–	1056-U13-PPPH
AISI 316 polished	Stainless steel	–	1056-U13-PH
AISI 316 pickled / passivated	Stainless steel	–	1056-U13-PVPH

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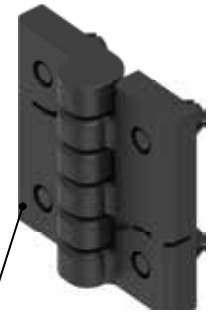
EMKA Beschlagteile

®180° Clip-in hinge to screw on or with expansion pins

PROGRAM 1056

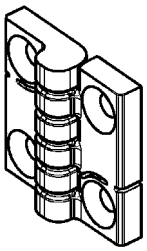


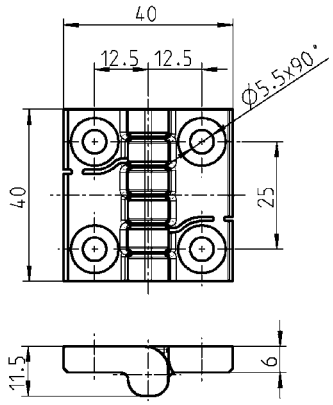


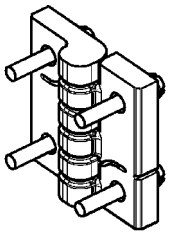


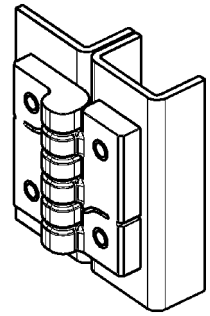
Expanding pin

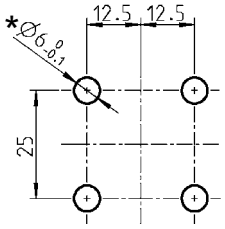
*Attention:
The specified dimension is a final dimension, please note for surface coatings.



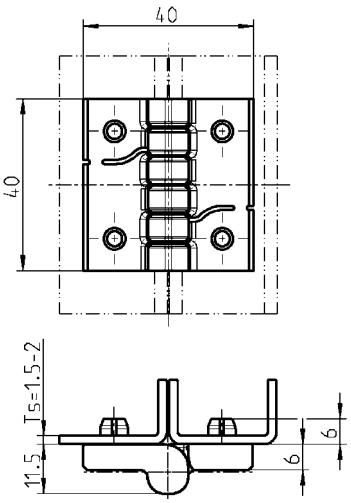








Cut out

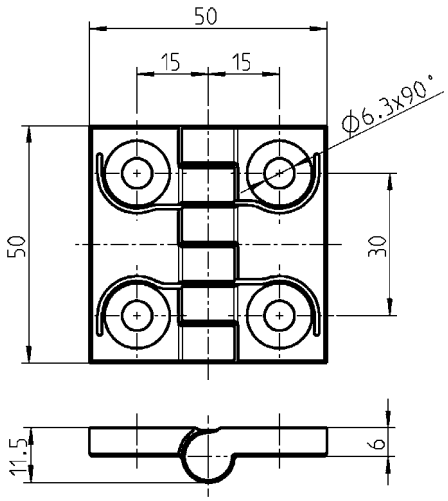


Clip-in hinge for countersunk screw M5 polyamide GF colour of choice, unassembled	
black	1056-U66
silver	1056-U66-HW
Clip-in hinge with expansion pins polyamide GF black, unassembled	
	on request



Mounting within seconds





Clip-in hinge for countersunk screw M6 polyamide GF colour of choice, unassembled	
black	1056-U68
silver	on request

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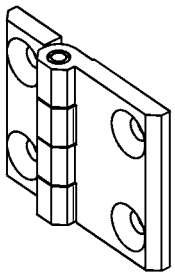
Items printed in gray without stock

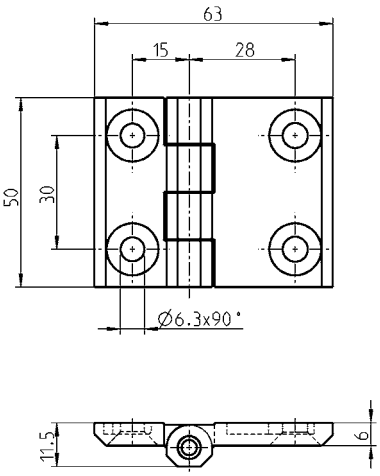
180° Screw-on hinge

PROGRAM 1056

EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX

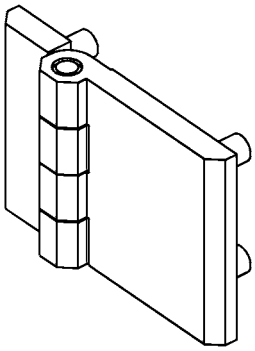


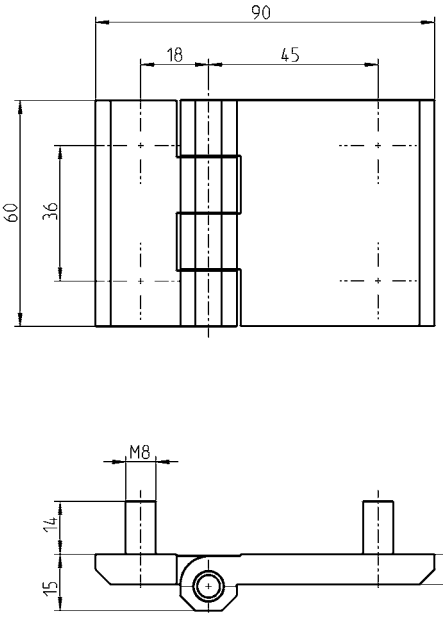






Screw-on hinge zinc die or stainless steel, pin stainless steel, for countersunk screw M6 (2D nut possible)	
Zinc die black powder-coated	1056-U59
AISI 316	1056-U59-PH







Screw-on hinge zinc die, pin and threaded studs M8 stainless steel	
chrome-plated	1056-U19
black powder-coated	1056-U20

Further parts see page
– 2D Nut 8E-120

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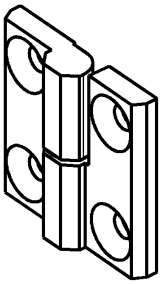
180° Screw-on hinge

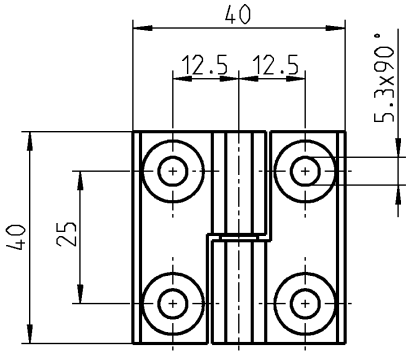
PROGRAM 1056



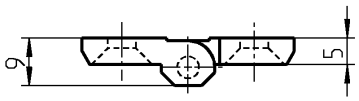
AISI INOX





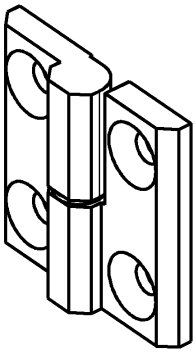


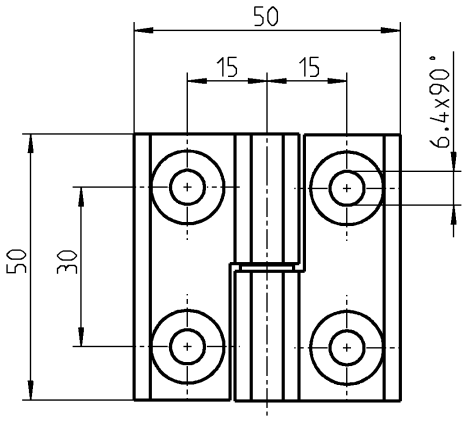
RH-version shown
LH-version is a mirror-image



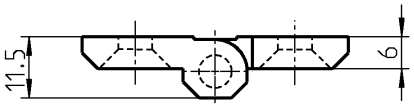
Screw-on hinge zinc die black powder-coated or AISI 316, washer polyamide black or teflon, pin stainless steel		
for countersunk screw M5	**Zinc die**	**AISI 316**
Left-hand version	1056-U54	1056-U54-PH
Right-hand version	1056-U53	1056-U53-PH







RH-version shown
LH-version is a mirror-image



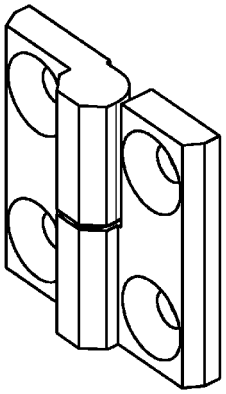
Screw-on hinge zinc die black powder-coated or AISI 316, washer polyamide black or teflon, pin stainless steel		
for countersunk screw M6 (2D nut possible)	**Zinc die**	**AISI 316**
Left-hand version	1056-U56	1056-U56-PH
Right-hand version	1056-U55	1056-U55-PH

Further parts see page
– 2D Nut 8E-120

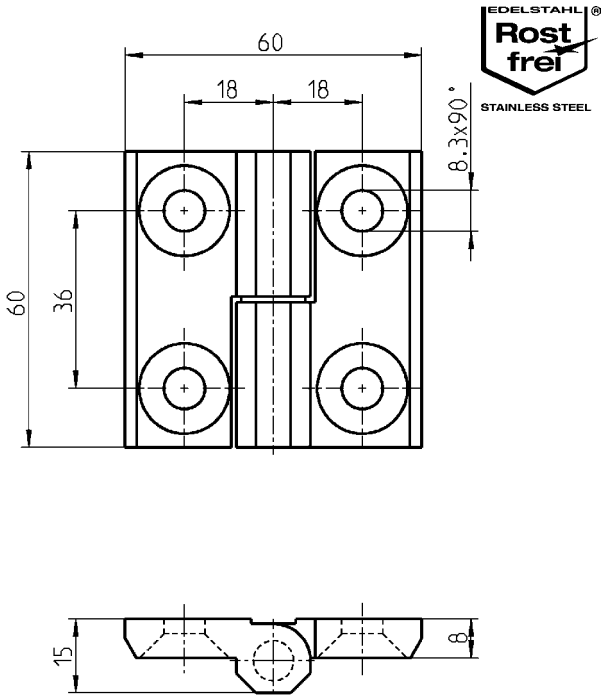
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180° Screw-on hinge

PROGRAM 1056



RH-version shown
LH-version is a mirror-image



EDELSTAHL® Rost frei STAINLESS STEEL

AISI INOX



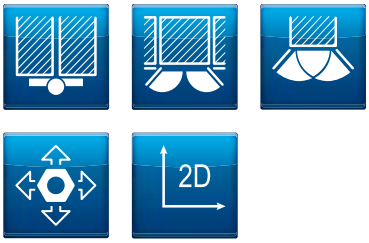
Screw-on hinge zinc die black powder-coated or AISI 316, washer polyamide black or teflon, pin stainless steel		
for countersunk screw M8	**Zinc die**	**AISI 316**
Left-hand version	1056-U58	1056-U58-PH
Right-hand version	1056-U57	1056-U57-PH

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EMKA® Beschlagteile

180° Screw-on hinge

PROGRAM 1056

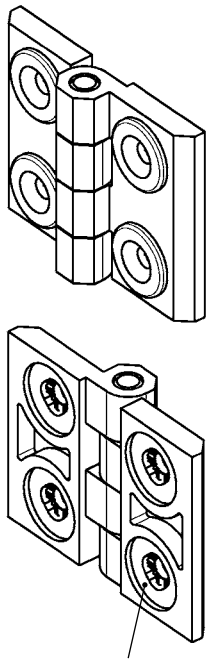


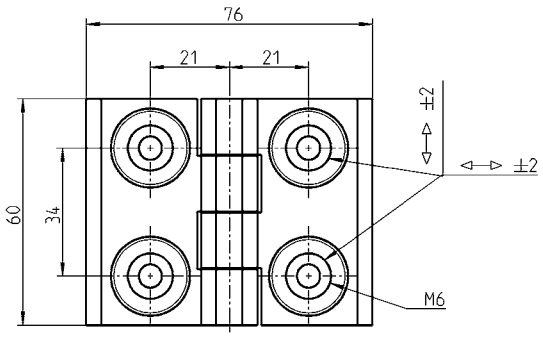
180° 2D Screw-on hinge

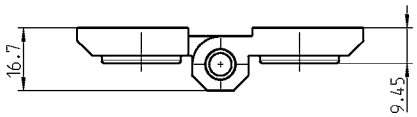




Adjustable ± 2 mm
in horizontal and
vertical direction.







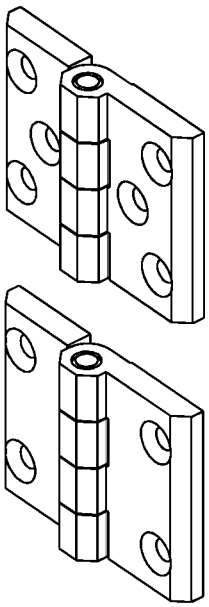
Recess for commercially available rivet nut M6

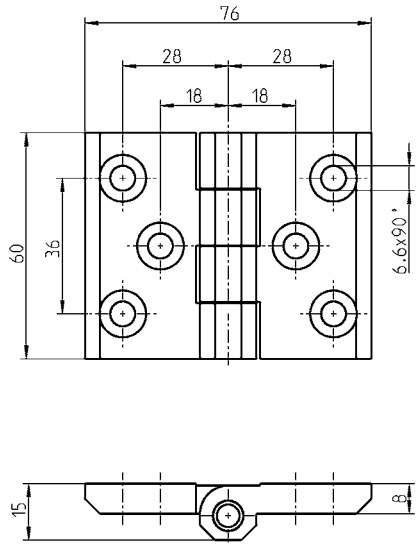
2D Screw-on hinge zinc die black powder-coated; pin stainless steel	
	1056-U27

180° Screw-on hinge









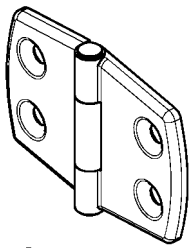
Screw-on hinge zinc die black powder-coated; pin stainless steel	
with 4 countersunk holes (2D nut possible)	1056-U29
with 6 countersunk holes (2D nut possible)	1056-U28

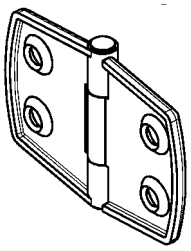
Further parts see page
– 2D Nut 8E-120

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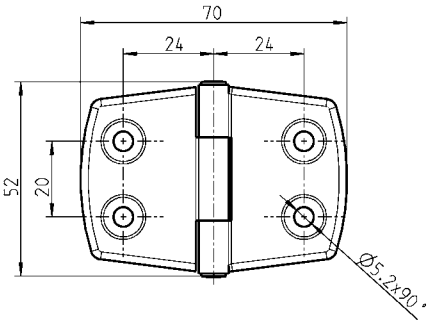
180° Screw-on hinge

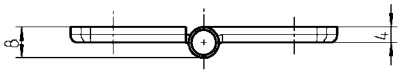
PROGRAM 6020











Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

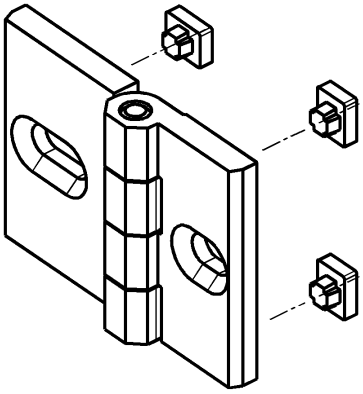
Screw-on hinge for countersunk screw small head M5, AISI 316 polished

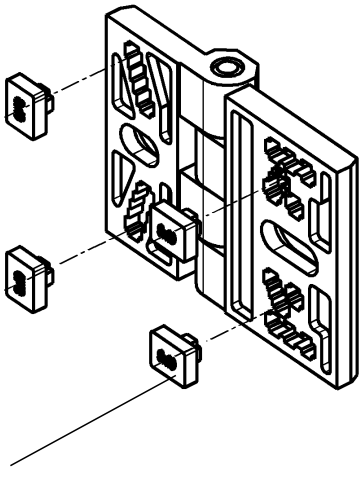
6020-U1098-PP

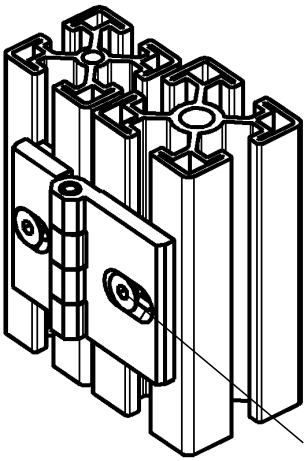
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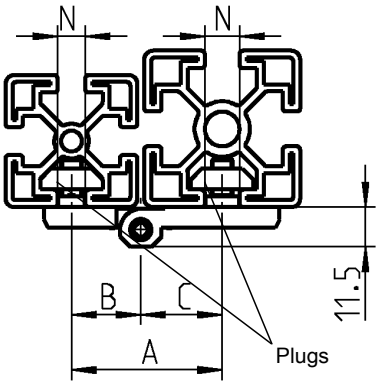
Profile rail hinge

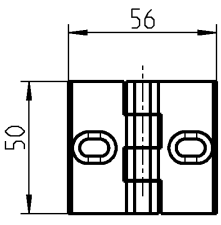
PROGRAM 1056

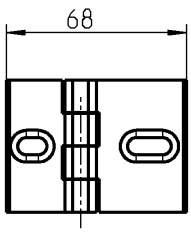


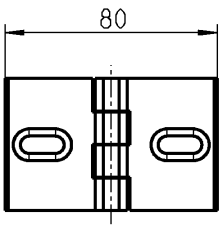












Profile rail hinge zinc die black powder-coated, pin stainless steel, plug zinc die

Plugs	8x10	1056-U21	Plugs	8x10	1056-U22	Plugs	8x10	1056-U23
	7x10	1056-U24		7x10	1056-U25		7x10	1056-U26

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- Slot see back of hinge
- Can be used for different profiles
- 70 different distances (dimension A) by repositioning the plugs
- All hinges offer anti-rotation protection through four plugs for plug widths of N = 8 and 10 mm or N = 7 and 10 mm (other N dimensions on request).



Plugs 8x10 1056-U21 Plugs 7x10 1056-U24			Plugs 8x10 1056-U22 Plugs 7x10 1056-U25			Plugs 8x10 1056-U23 Plugs 7x10 1056-U26		
	Slot			Slot			Slot	
A	B	C	A	B	C	A	B	C
33	16.5	16.5	37.5	16.5	21	42	21	21
34	16.5	17.5	38	16.5	21.5	42.5	21	21.5
35	16.5	18.5	40	16.5	23.5	44.5	21	23.5
35.5	16.5	19	42.5	16.5	26	47	21	26
36.5	16.5	20	44	16.5	27.5	48.5	21	27.5
35	17.5	17.5	47.5	16.5	31	52	21	31
36	17.5	18.5	38.5	17.5	21	43	21.5	21.5
36.5	17.5	19	39	17.5	21.5	45	21.5	23.5
37.5	17.5	20	41	17.5	23.5	47.5	21.5	26
37	18.5	18.5	43.5	17.5	26	49	21.5	27.5
37.5	18.5	19	45	17.5	27.5	52.5	21.5	31
38.5	18.5	20	48.5	17.5	31	47	23.5	23.5
38	19	19	39.5	18.5	21	49.5	23.5	26
39	19	20	40	18.5	21.5	51	23.5	27.5
40	20	20	42	18.5	23.5	54.5	23.5	31
			44.5	18.5	26	52	26	26
			46	18.5	27.5	53.5	26	27.5
			49.5	18.5	31	57	26	31
			40	19	21	55	27.5	27.5
			40.5	19	21.5	58.5	27.5	31
			42.5	19	23.5	62	31	31
			45	19	26			
			46.5	19	27.5			
			50	19	31			
			41	20	21			
			41.5	20	21.5			
			43.5	20	23.5			
			46	20	26			
			47.5	20	27.5			
			51	20	31			

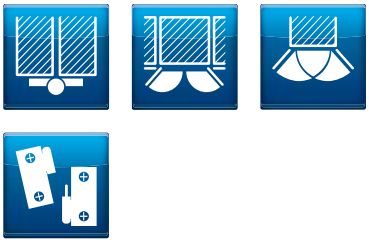
*not included in the scope of delivery

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EMKA® Beschlagteile

180° Hinge

PROGRAM 1056





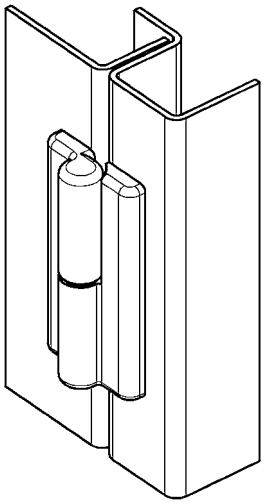
Assembly:
Hinge is fixed by driving in the polyamide pins.
The pull-out force in Z direction is 1500 N.

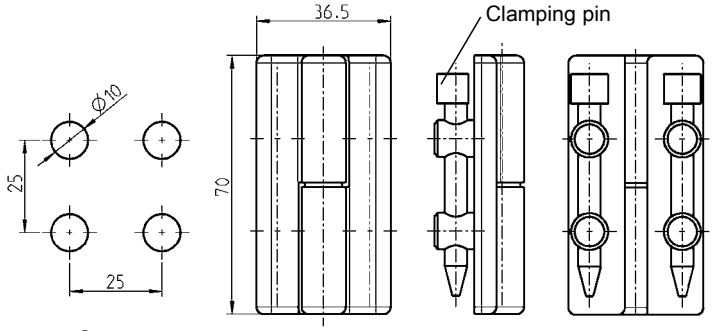


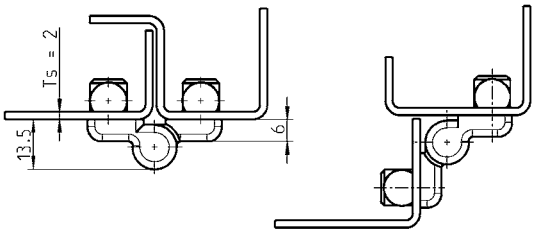


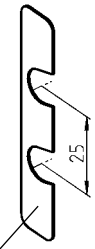
*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

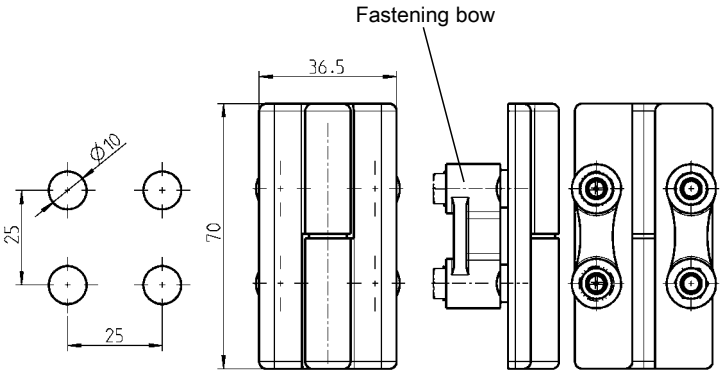


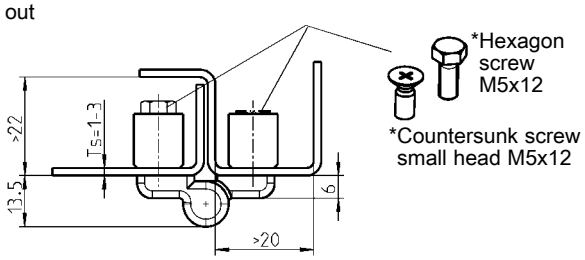






Support plate has to be ordered sep. for different door gauges (1x per clamping pin)



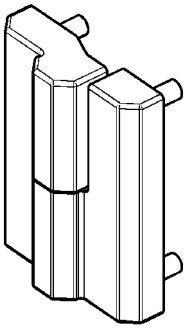


Hinge with clamping pin zinc die black powder-coated or polyamide GF black; clamping pin Polyamide GF black, pin stainless steel			
		Zinc die	Polyamide
Ts = 1.5	Right	–	1056-U49
Ts = 1.5	Left	–	1056-U50
Ts = 2.0	Right	1056-U35	–
Ts = 2.0	Left	1056-U33	–
Hinge with fastening bow zinc die black powder-coated; pin stainless steel			
Right			1056-U44
Left			1056-U43
Support plate AISI 304 (1x per clamping pin)			
Hinge for Ts	**change to Ts**		
1.5	1.0		1110-39-02
2.0	1.0		1110-39-03
2.0	1.5		1110-39-02

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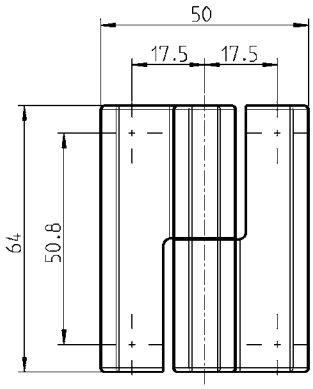
160° Screw-on hinge

PROGRAM 1056

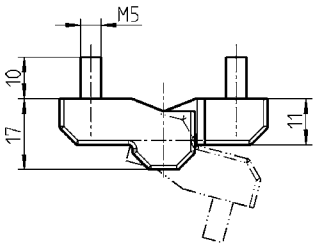


RH-version shown
LH-version is a mirror-image









Screw-on hinge zinc die black powder-coated or chrome-plated; washer teflon white; hinge pin m.s. zinc-plated

	black powder-coated	chrome-plated
Left-hand version	1056-U62	1056-U64
Right-hand version	1056-U63	1056-U65

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Items printed in gray without stock

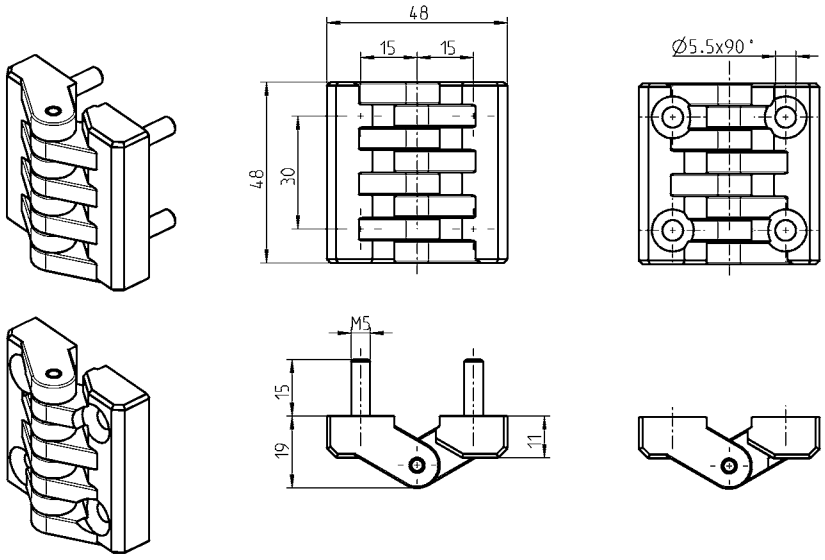
EMKA®
Beschlagteile

180° Screw-on hinge with knuckles

PROGRAM 1056



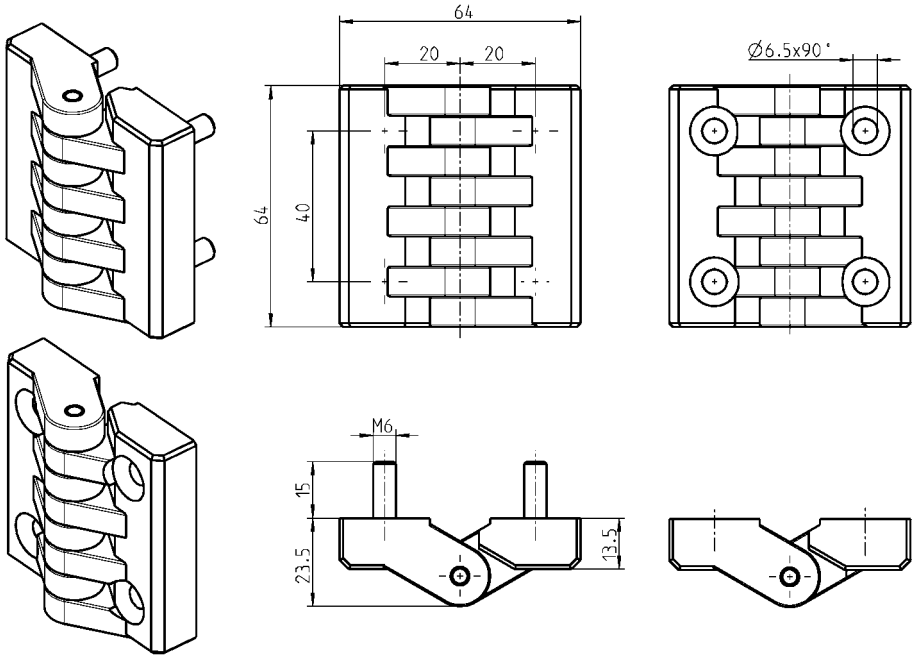




Screw-on hinge polyamide GF black; pin m.s. zinc-plated	
for countersunk screw M5	1056-U37
with threaded stud M5	1056-U38







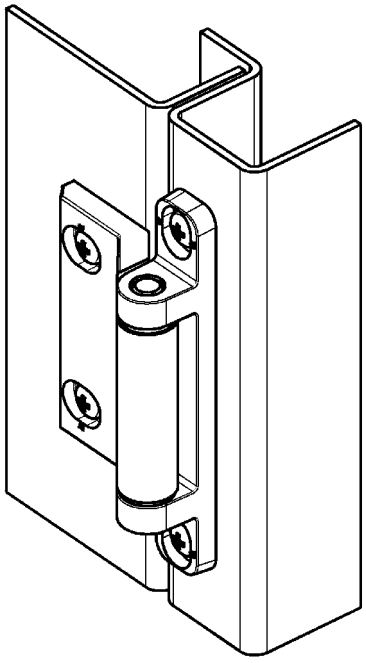
Screw-on hinge polyamide GF black; pin m.s. zinc-plated	
for countersunk screw M6 (2D nut possible)	1056-U39
with threaded stud M6	1056-U40

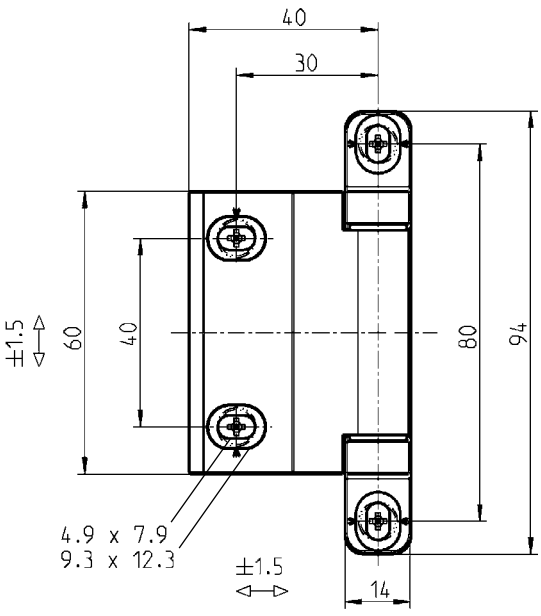
Further parts see page
– 2D Nut 8E-120

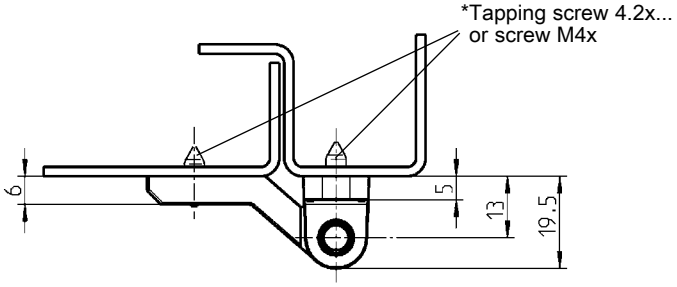
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180° 2D Hinge

PROGRAM 1054









*not included in the scope of delivery

180° 2D Hinge zinc die black powder-coated, pin stainless steel, bushes polyamide

	1054-U37

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EMKA® Beschlagteile

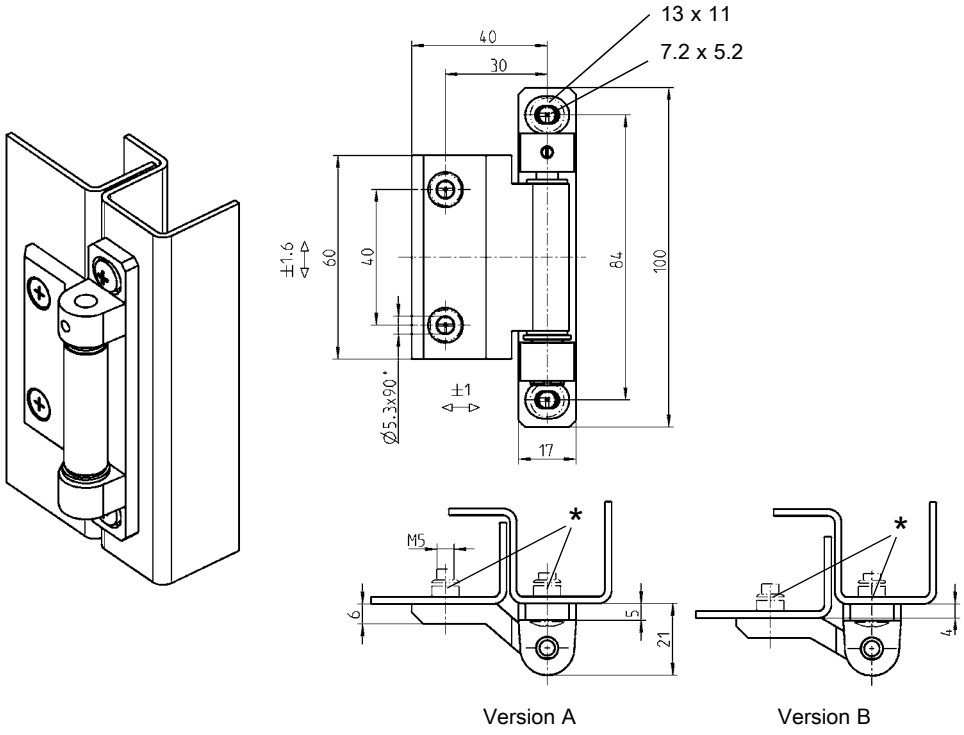
180° 2D Screw-on hinge

PROGRAM 1054









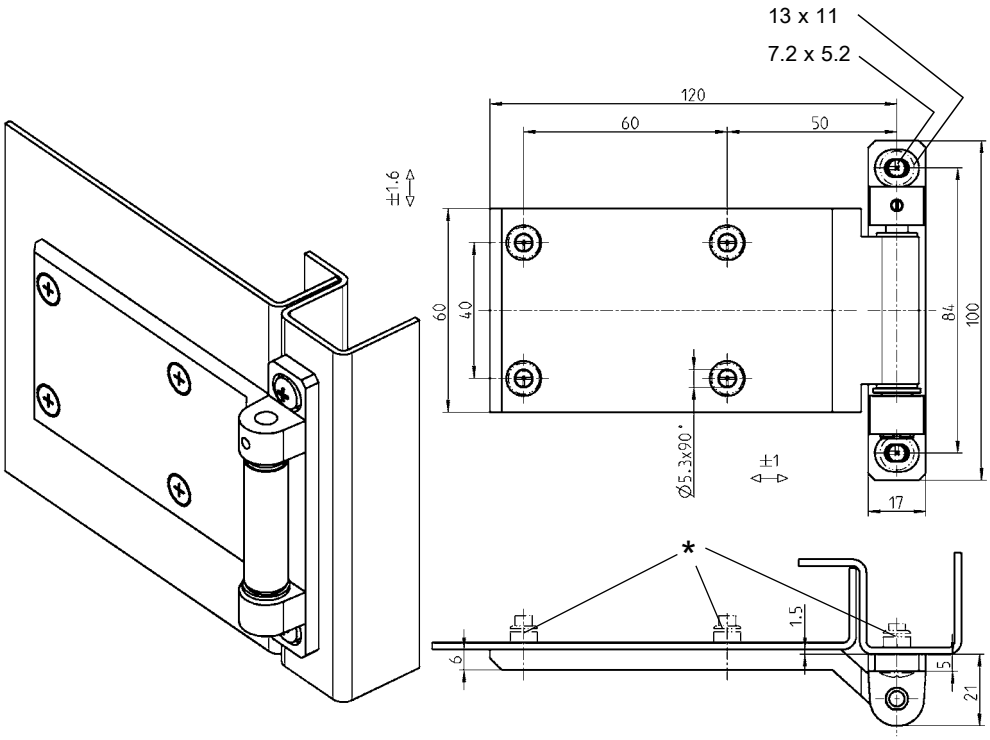
Version A Version B

Right-hand or left-hand version by turning around the hinge leaf.

Hinge pin is self-gripping

Countersunk for small head countersunk screws M5x





Version C

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

2D Screw-on hinge frame part and centre part zinc die surface of choice; shaft brass nickel-plated; washer m.s. zinc-plated; bush polyamide

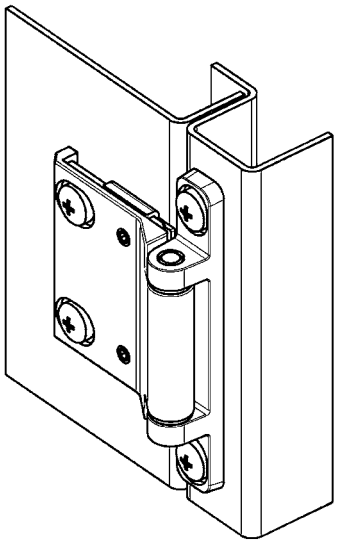
	Version A	Version B	Version C
black powder-coated	1054-U33-01	1054-U34-01	1054-U35-01
raw	1054-U33-02	1054-U34-02	1054-U35-02

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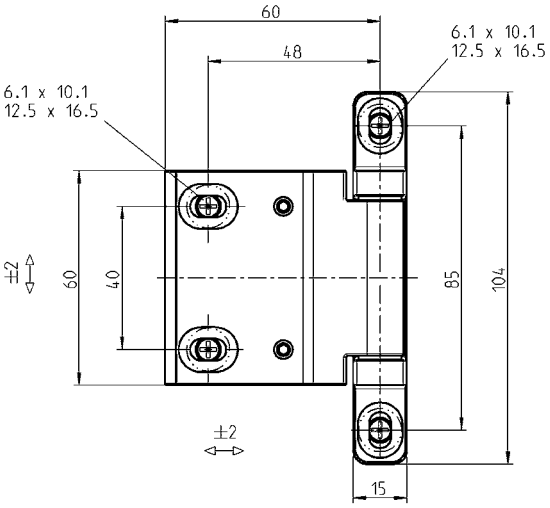
Items printed in gray without stock

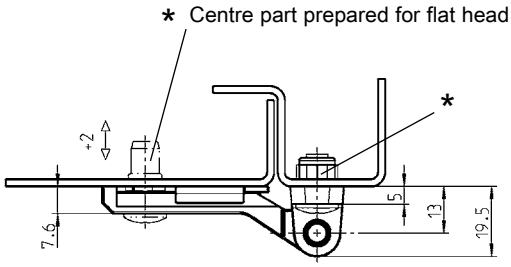
180° 3D Screw-on hinge

PROGRAM 1054









*Oval head screw
DIN ISO 7380 M6x...
not included in scope of delivery

3D Screw-on hinge frame part and centre part zinc die black powder-coated; shaft, pin and washers stainless steel; bushes plastic

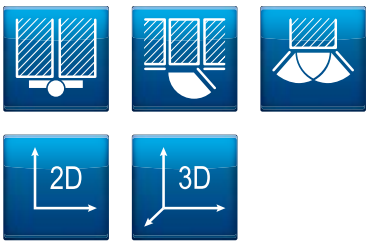
1054-U42-01

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EMKA® Beschlagteile

180° 2D and 3D Screw-on hinge

PROGRAM 1054

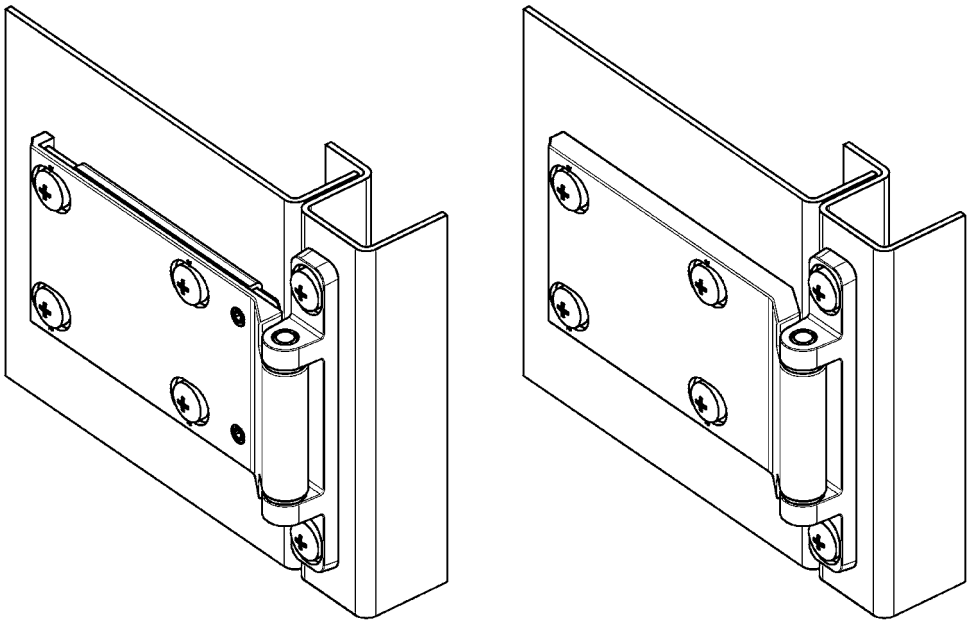


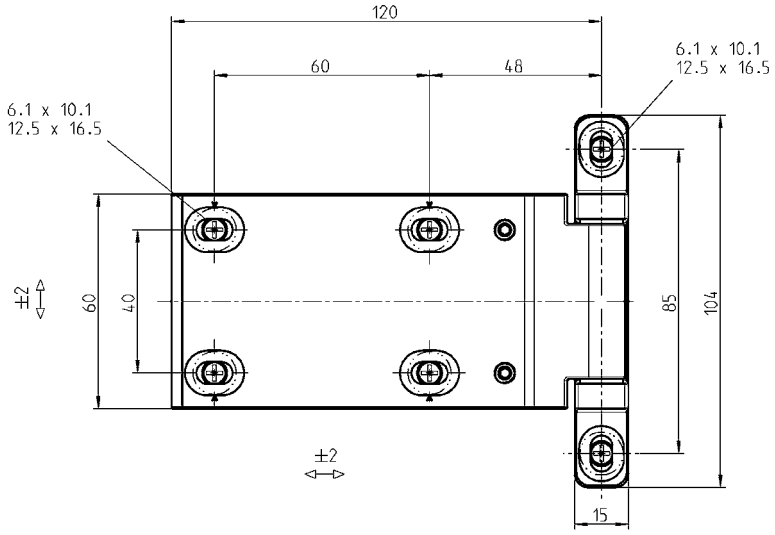
3D Screw-on hinge



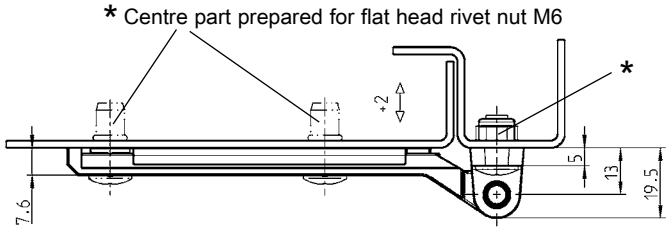
2D Screw-on hinge



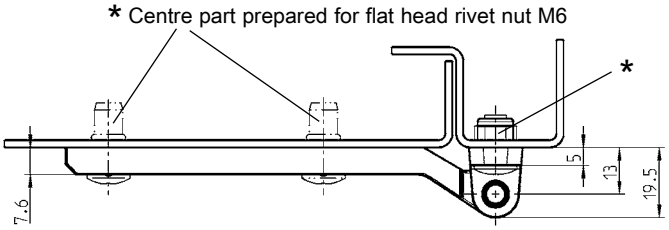




3D Screw-on hinge



2D Screw-on hinge



*Oval head screw
DIN ISO 7380 M6x...
not included in scope of delivery

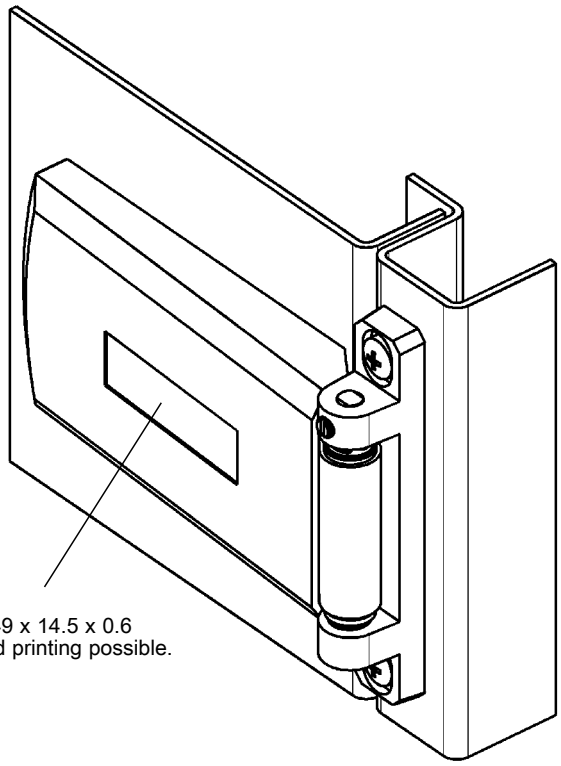
3D Screw-on hinge frame part and centre part zinc die black powder-coated; shaft, pin and washers stainless steel; bushes plastic	
	1054-U43-01
2D Screw-on hinge frame part and centre part zinc die black powder-coated; shaft stainless steal; bushes plastic	
	1054-U44-01

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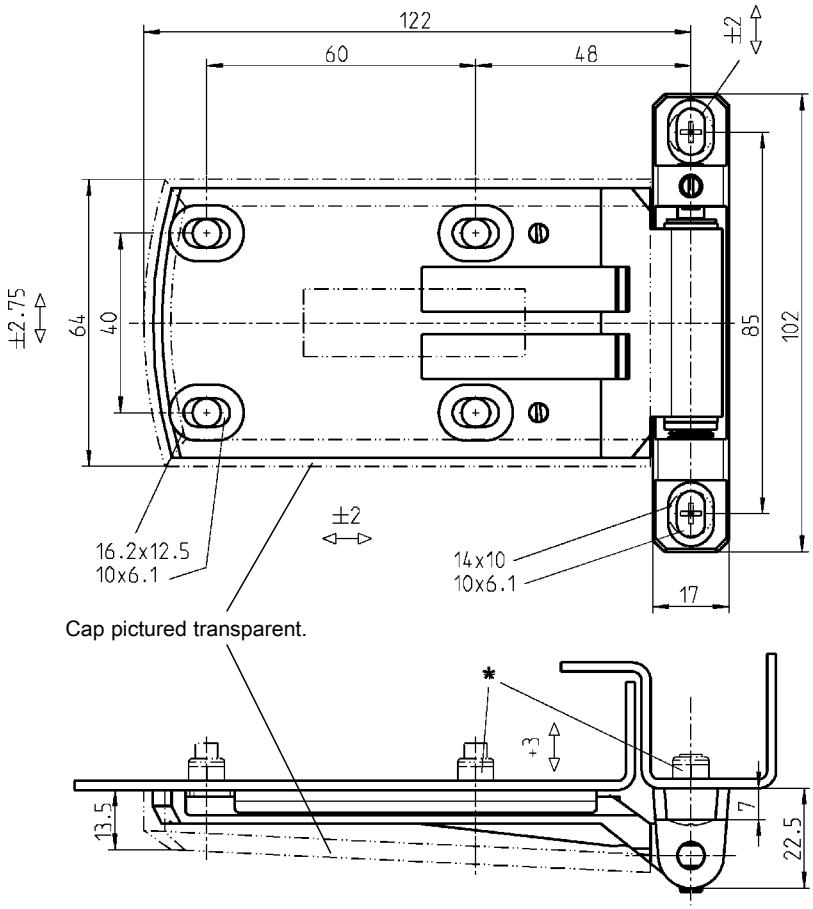
180° 3D Screw-on hinge

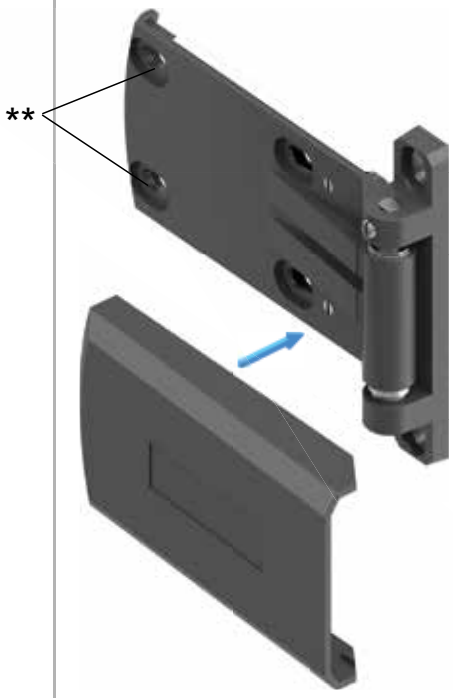
PROGRAM 1054

EMKA® Beschlagteile



Logo recess: 49 x 14.5 x 0.6
Multicolour pad printing possible.







*not included in the scope of delivery

**Only screws with flat head or with max. head height 5 mm can be used

Right-hand or left-hand version by turning around the hinge leaf.

3D Screw-on hinge frame part and centre part zinc die black powder-coated; shaft stainless steel; pin and washer steel zinc-plated; cap and bush polyamide black	
Right-hand version	1054-U36-RE
Left-hand version	1054-U36-LI

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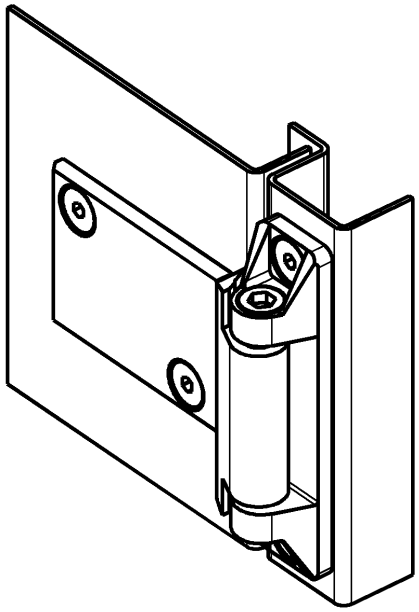
EMKA® Beschlagteile

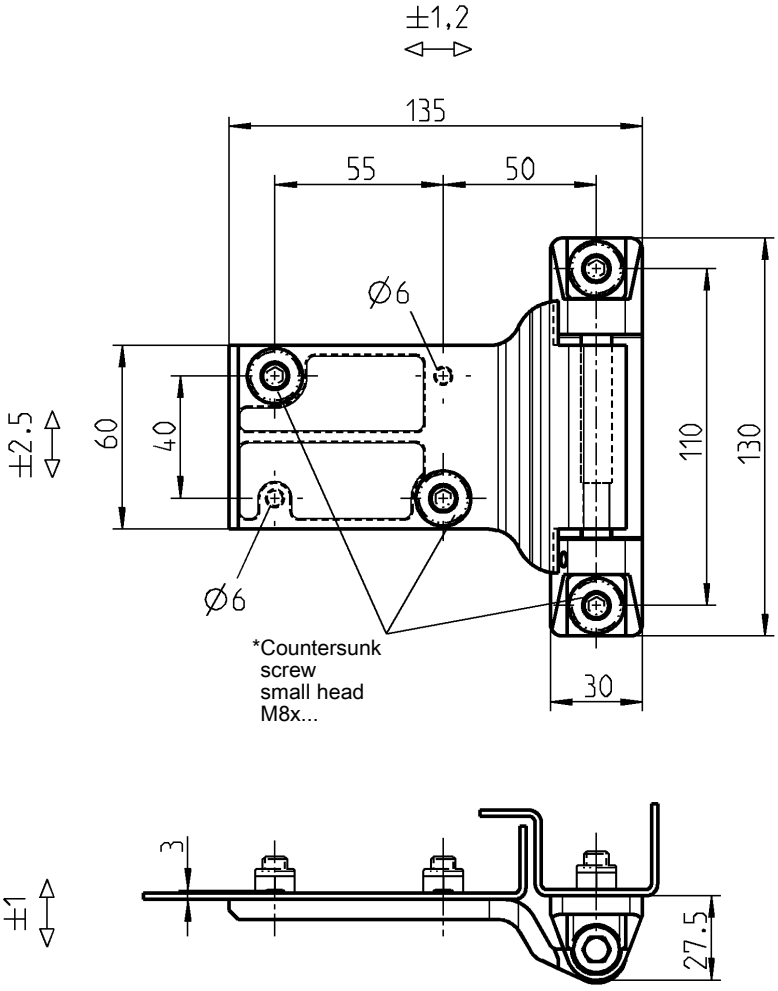
180° 3D Screw-on hinge

PROGRAM 1054









*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

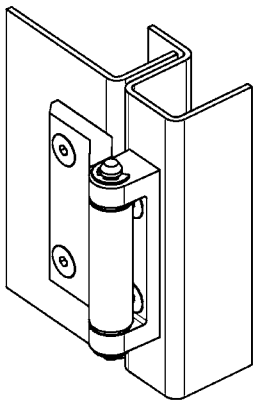
3D Screw-on hinge zinc die, shaft and grub screw stainless steel		
	Left-hand version	Right-hand version
black powder-coated	1054-U32	1054-U31
raw	1054-U32-01	1054-U31-01

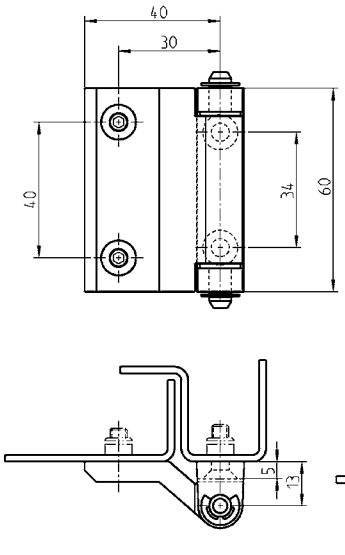
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Items printed in gray without stock

180° Screw-on hinge

PROGRAM 1054

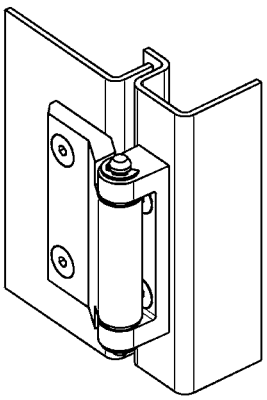


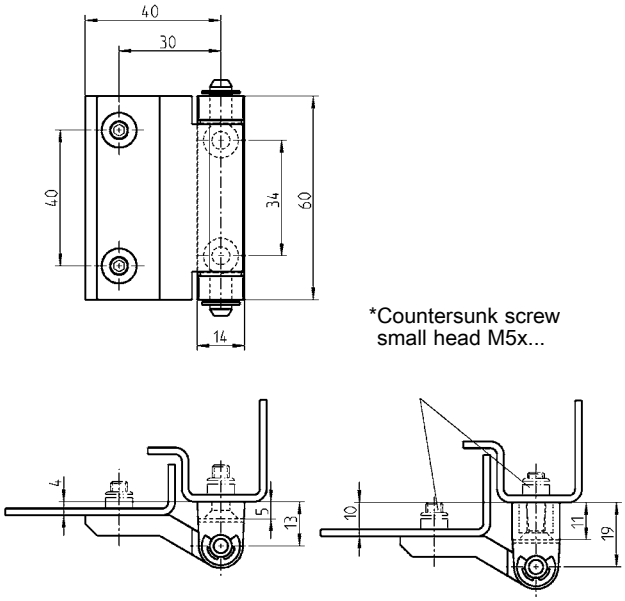


*Countersunk screw
small head M5x...



Screw-on hinge zinc die, pin and washer m.s. zinc-plated and bushes polyamide		
	normal	**6 mm higher**
chrome-plated	1054-U4	1054-U27
black powder-coated	1054-U5	1054-U28
raw	1054-U22**	1054-U29**
** = Minimum order quantity 1000 pieces		
Screw-on hinge AISI 316 and bushes polyamide		
	1054-U5-PH	-





*Countersunk screw
small head M5x...



Screw-on hinge zinc die, pin and washer m.s. zinc-plated and bushes polyamide		
	4 mm higher	**10 mm higher**
chrome-plated	1054-U7	1054-U19
black powder-coated	1054-U10	1054-U20
raw	1054-U18**	1054-U21**
** = Minimum order quantity 1000 pieces		

*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

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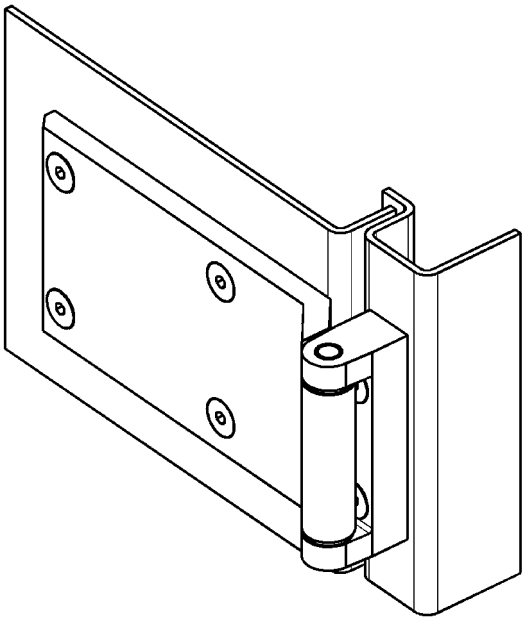
Items printed in gray without stock

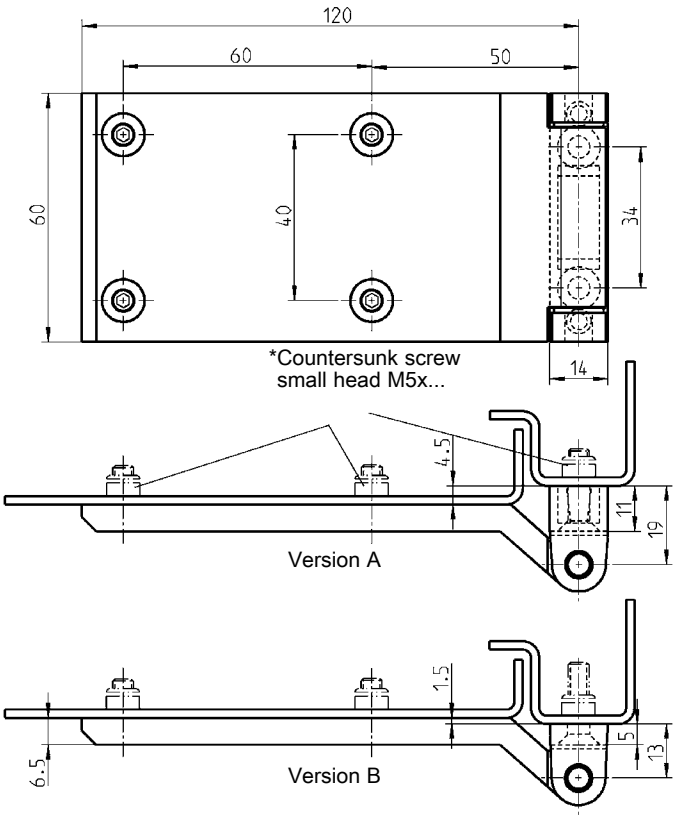
EMKA® Beschlagteile

180° Screw-on hinge

PROGRAM 1054







*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

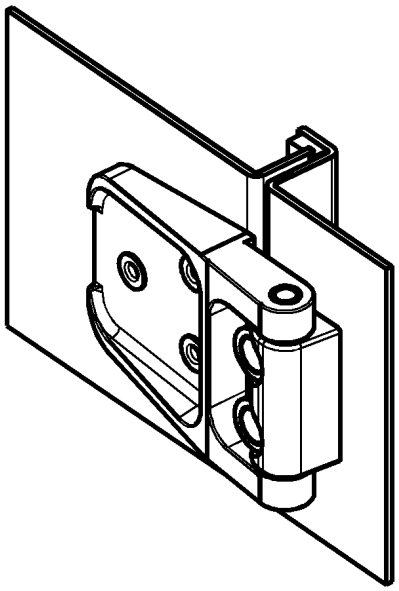
Screw-on hinge zinc die, pin stainless steel, bushes polyamide		
	Version A	**Version B**
black powder-coated	1054-U11	1054-U6
raw	1054-U13**	1054-U12**
** = Minimum order quantity 1000 pieces		

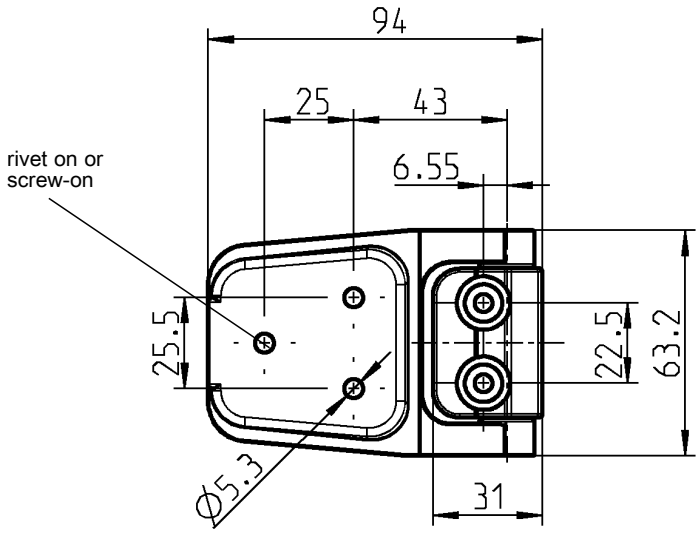
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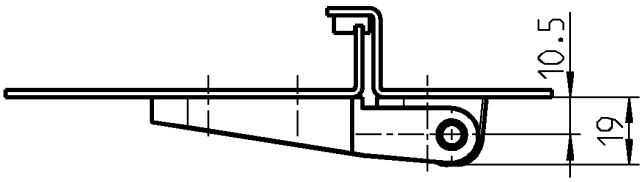
Items printed in gray without stock

180° Hinge

PROGRAM 1054, 1091









Application
Suitable for sandwich doors

Hinge polyamide GF black, pin m.s. zinc-plated

1091-U117

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EMKA Beschlagteile

®180° Stainless steel screw-on hinge, adjustable

PROGRAM 1054

EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX



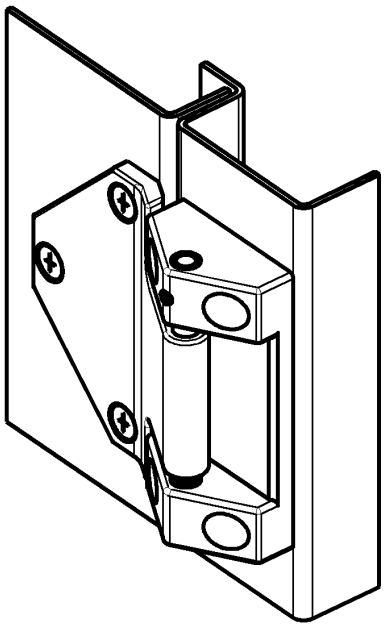
Height adjustment ±4 mm

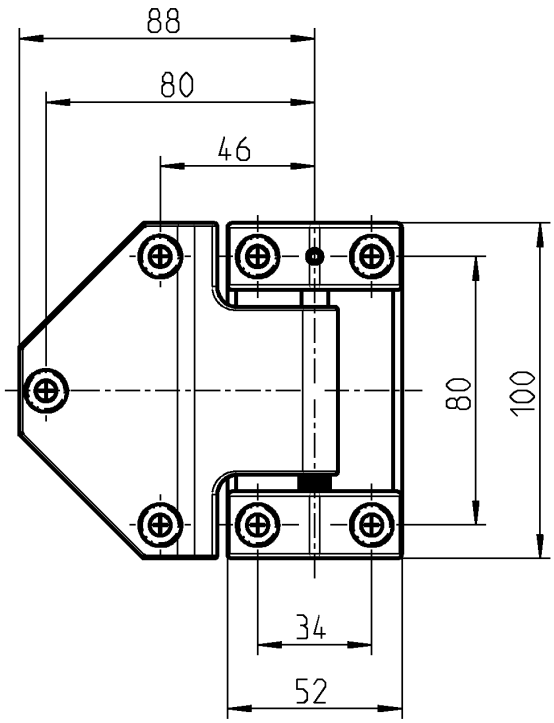
Right-hand or left-hand version by turning around the hinge leaf.

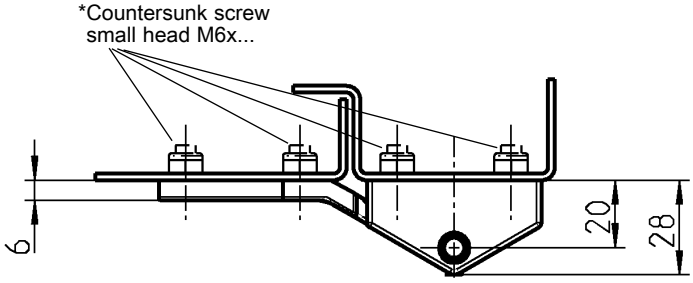
*not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D Nut 8E-120







Screw-on hinge adjustable stainless steel 1.4571, washer and hinge pin stainless steel

1054-U39

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Pin hinge
Program 1117

1



2



2



3



1	Pin hinge, weld-on	4C-120
2	Pin hinge, screw-on and rivet-on	4C-120
3	Pin hinge, clip-in	4C-130

EMKA®
Beschlagteile

Pin hinge
PROGRAM 1117

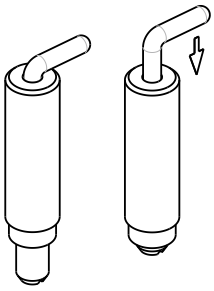
AISI INOX

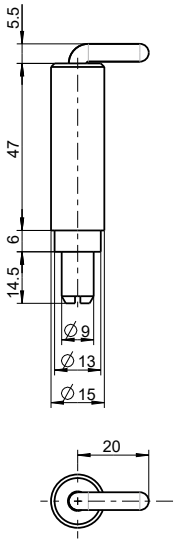




EDELSTAHL Rost frei STAINLESS STEEL

spring-loaded

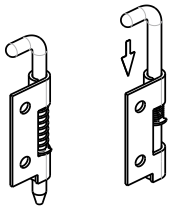




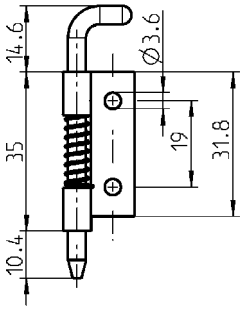
Pin hinge m.s. zinc-plated, spring material spring steel zinc-plated, guide sleeve m.s. raw or AISI 304, pin AISI 303, spring stainless steel	
m.s.	1117-U1
AISI	1117-U1-PF

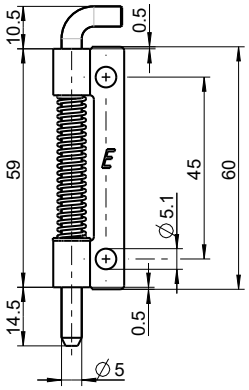
EDELSTAHL Rost frei STAINLESS STEEL

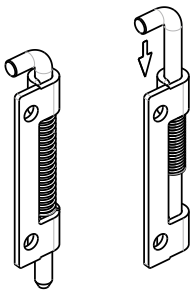
spring-loaded



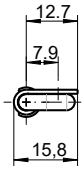
Version A

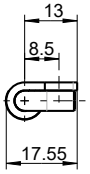






Version B





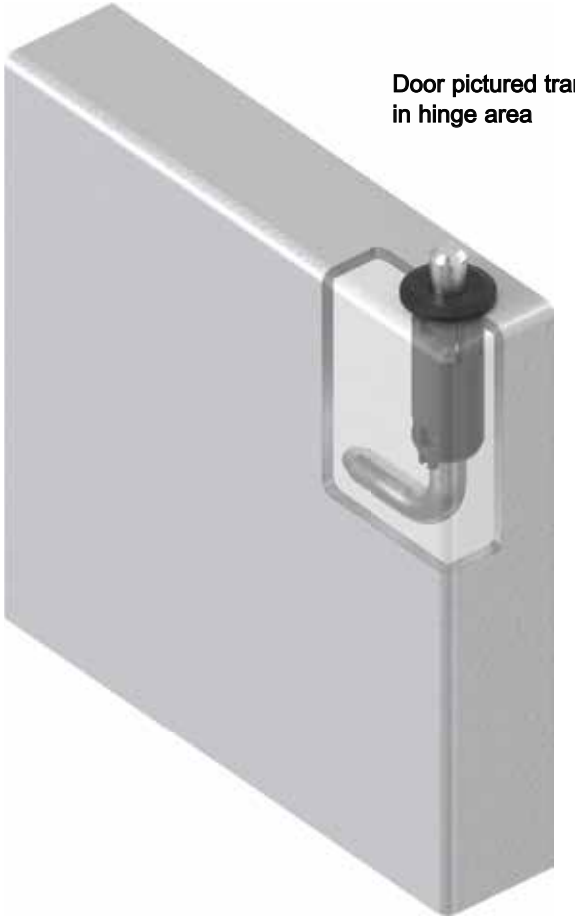
Attention:
Version B not suitable for screwing on

Pin hinge m.s. zinc-plated, spring material spring steel zinc-plated			
Version A, right	1117-U2	Version A, left	1117-U3
Version B, right	1117-U4	Version B, left	1117-U5
Pin hinge AISI 304, pin AISI 303, spring stainless steel			
Version B, right	1117-U4-PC	Version B, left	1117-U5-PC

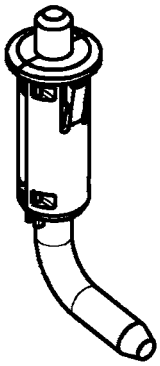
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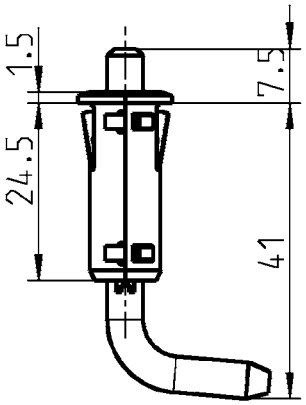
Pin hinge

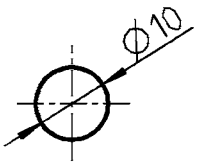
PROGRAM 1117



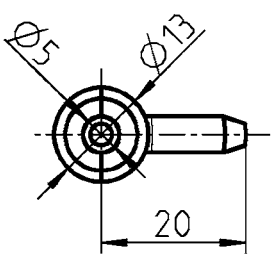
Door pictured transparent
in hinge area







Cut out







Attention:
For use with small doors only.

Examples:
Electric meter boxes
and tool boxes

Pin hinge, housing polyamide black, pin zinc die, spring material spring steel zinc-plated	
Ts = 1.0	1117-U6
Ts = 1.5	1117-U6-01
Ts = 2.0	1117-U6-02

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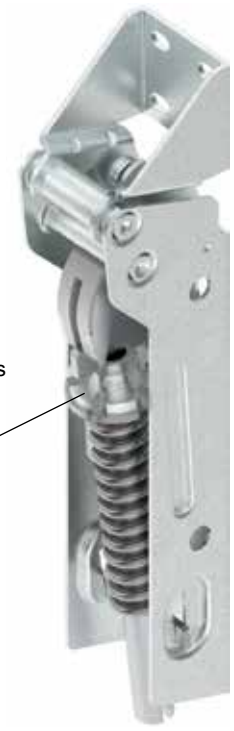
Notes:

80° Counterbalancing spring-loaded hinge

PROGRAM 1715



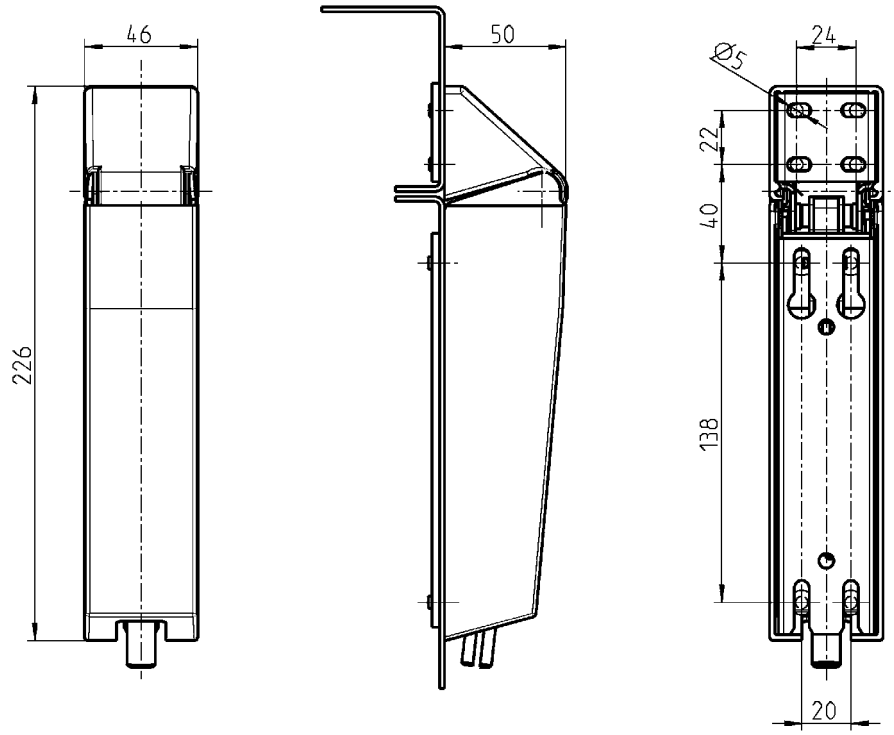
Covering caps depicted transparent



Depicted without covering caps

By means of the adjusting nut the torque can be set.





Application:
The spring-loaded hinge can be used e.g. for freezers.

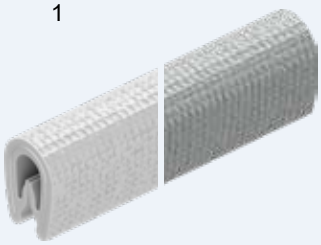
The covering caps can be put on after assembly of the hinge.

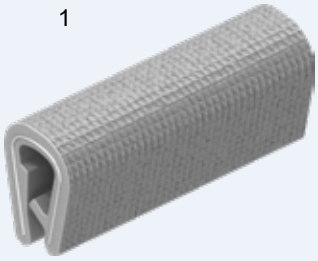
*Lid weight with homogeneous distribution of weight

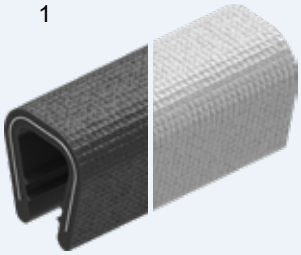
Spring-loaded hinge m.s. zinc-plated, joint polyamide, covering caps polystyrene white, with one or two springs	
for a *lid weight in the range of 6 kg with 2 hinges	1715-U331
for a *lid weight in the range of 17 kg with 2 hinges	1715-U332
for a *lid weight in the range of 23 kg with 2 hinges	1715-U333

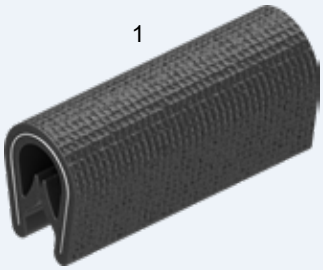
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Seals, Edge protection and Cell sponge rubber

1 

1 

1 

1 

2 

2 

2 

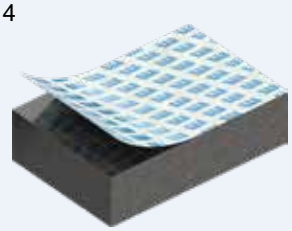
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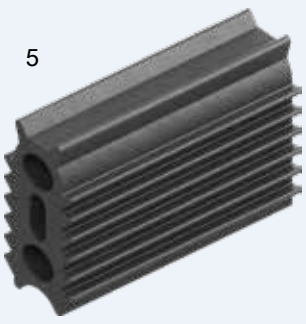
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3 

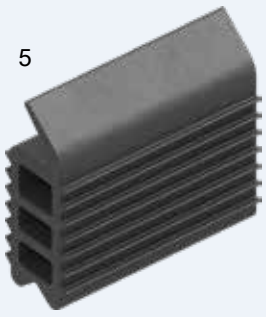
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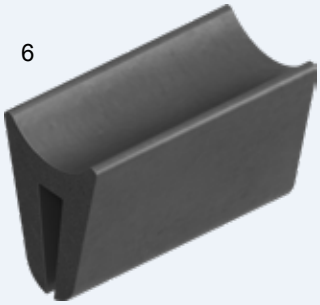
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5 

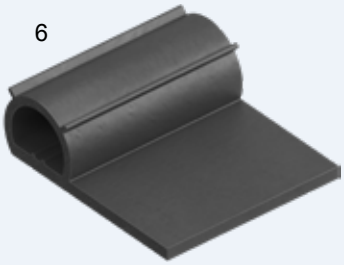
5 

5 

6



6



6

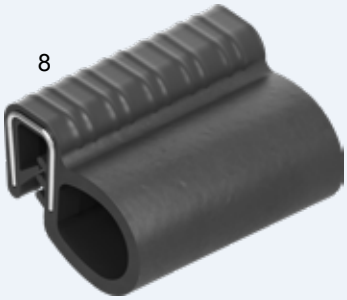


Certificate DIN EN 45545-2 EPDM

7



8

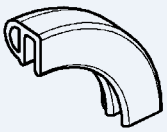


9



According to VDI 6022

55



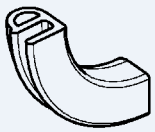
Smallest bending radius

250



Smallest bending radius

18



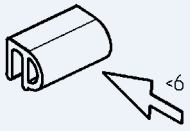
Smallest bending radius

150



Smallest bending radius

1	Edge protection	5A-110 to 5A-120
2	Seals, self-clamping	5A-130 to 5A-140
3	Seals, self-clamping	5A-150 to 5A-170
4	Cell sponge rubber, stretch-free and self-adhesive	5A-180
5	Seals secured in a U-section	5A-190
6	Seals	5A-200
7	EMC seals	5A-210 to 5A-220
8	Seals according to VDI 6022	5A-230
9	Seals made of fire protection material	5A-240
	Reference to special catalogue 'Sealing Technology'	5A-250

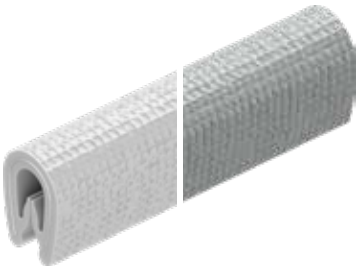


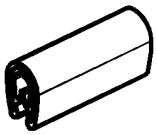
Compression

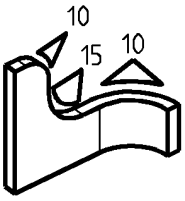
EMKA® Beschlagteile

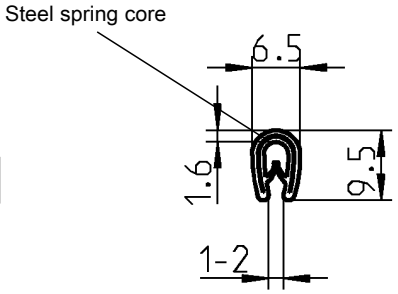
Edge protection

PROGRAM 1010

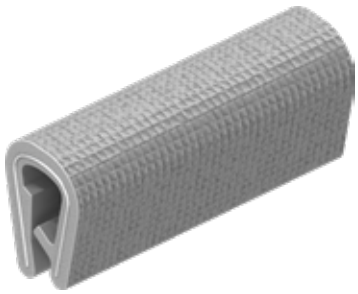


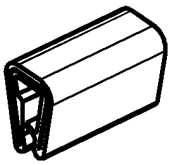


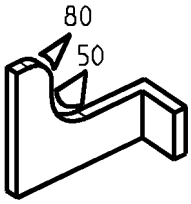


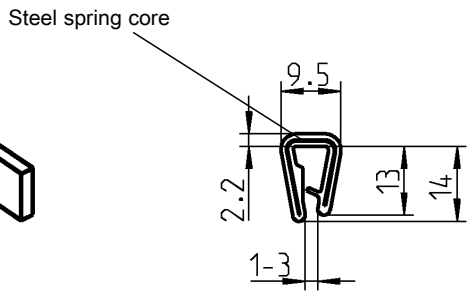


Edge protection PVC 70 ± 5 Shore A, colour of choice	
white	1010-04-01
silver	1010-04-02

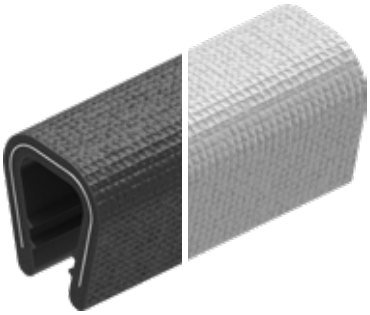


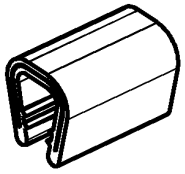


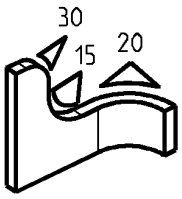


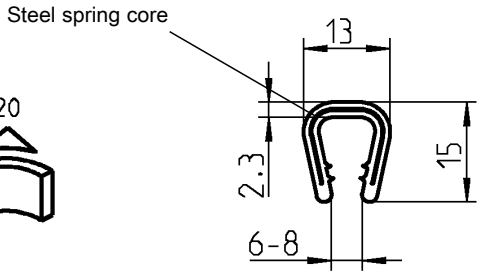


Edge protection PVC 70 ± 5 Shore A, light-grey	
Steel spring core, continuous	1010-05



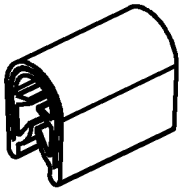


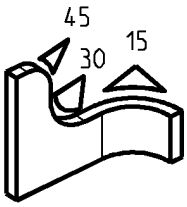


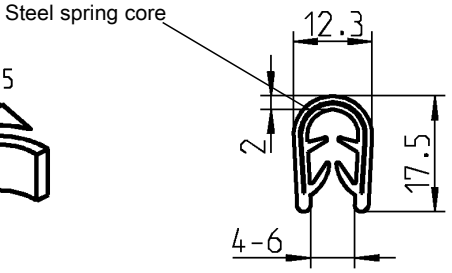


Edge protection PVC 70 ± 5 Shore A, colour of choice	
black	1010-06
light grey	1010-06-01



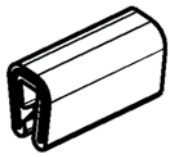


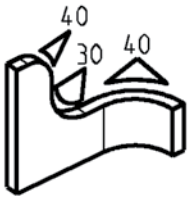


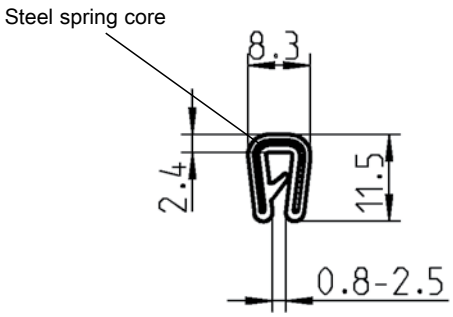


Edge protection PVC 70 ± 5 Shore A, colour of choice	
black	1010-11
dark grey	1010-11-01

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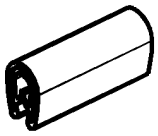


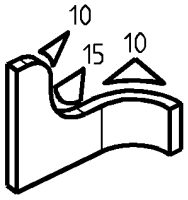


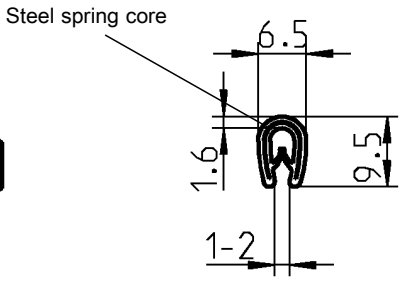
Edge protection EPDM 60 ± 5 Shore A, black

	1010-12

Temperature resistance = -40°C to 90°C



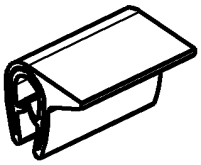


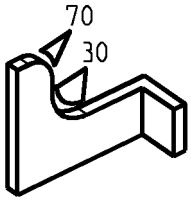


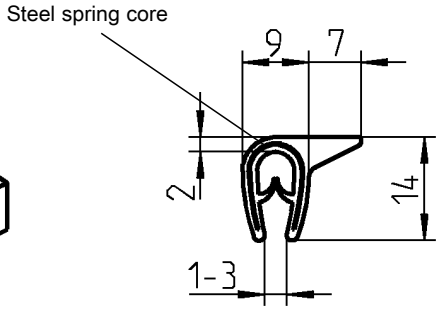


Edge protection PVC 70 ± 5 Shore A, black

	1010-02





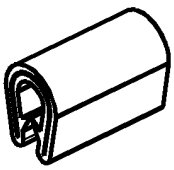


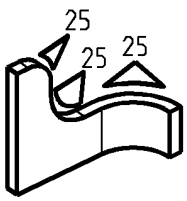


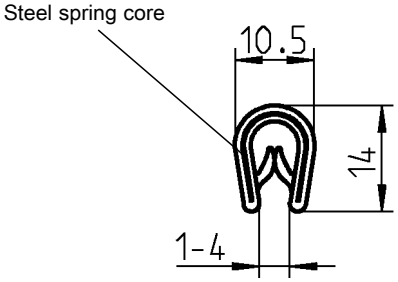
Edge protection PVC 70 ± 5 Shore A, anthracite

Steel spring core, continuous	1010-09

Temperature resistance = -40°C to 90°C









Edge protection PVC 70 ± 5 Shore A, black

	1010-01

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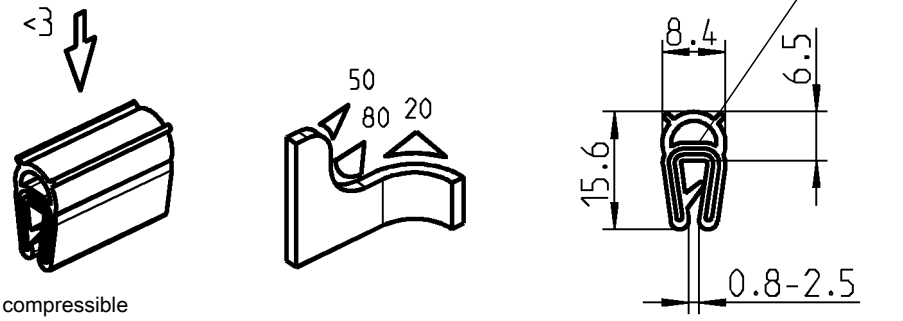
EMKA® Beschlagteile

Seals, self-clamping

PROGRAM 1011



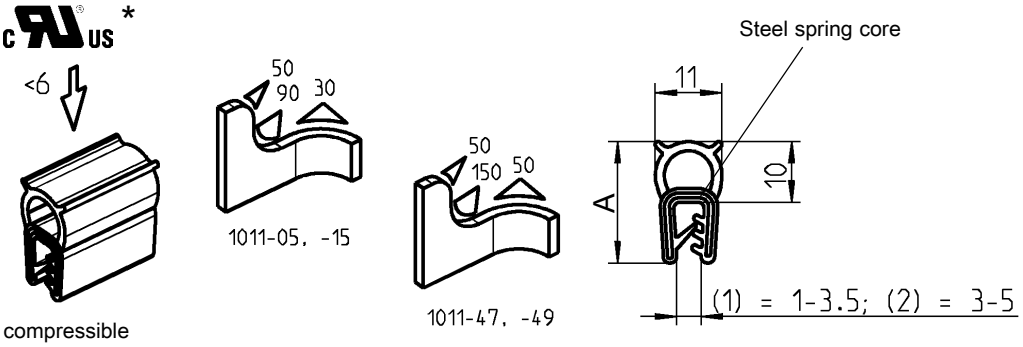
c UL us *



Sealing profile foam rubber, clamping profile material of choice	
Foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	1011-10*
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	1011-50



c UL us *



Sealing profile foam rubber, clamping profile material of choice	A	
Foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	20	1011-05* (1)
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	21	1011-15 (1)
Foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	21	1011-49 (2)
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	21	1011-47 (2)

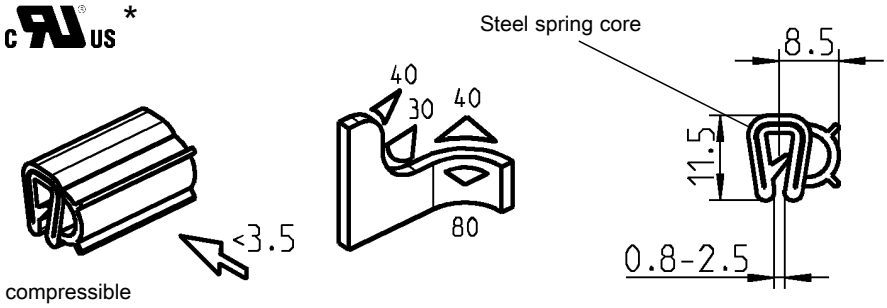


* c UL us

UL 50

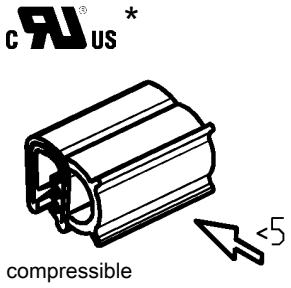
UL 94-HB

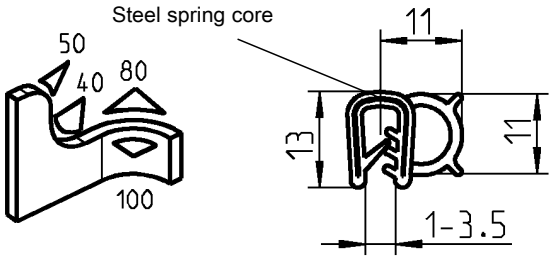
c UL us *



Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	
	1011-09*

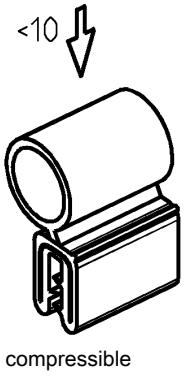
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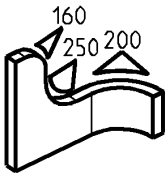


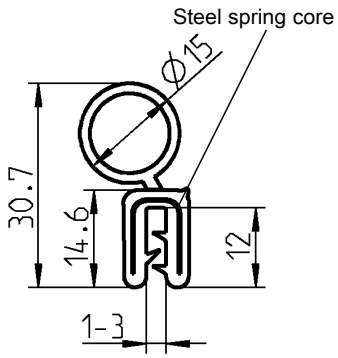




Sealing profile foam rubber, clamping profile material of choice	
Foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	1011-06*
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	1011-16

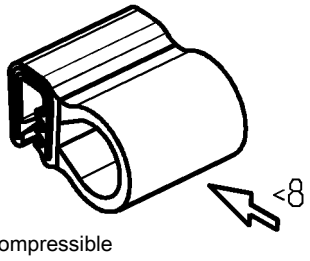


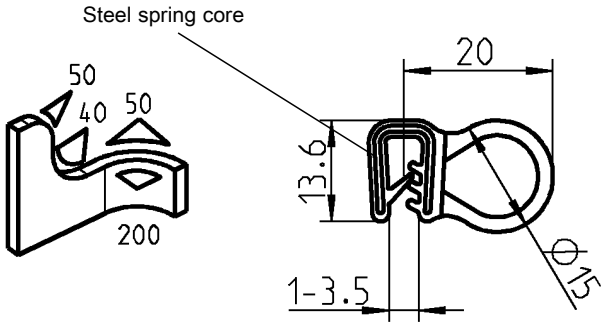






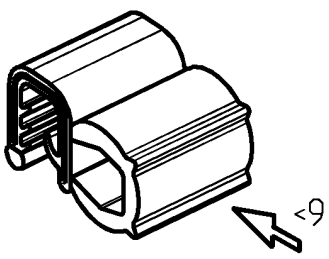
Sealing profile foam rubber EPDM, clamping profile EPDM 60 ± 5 Shore A, black	
	1011-34

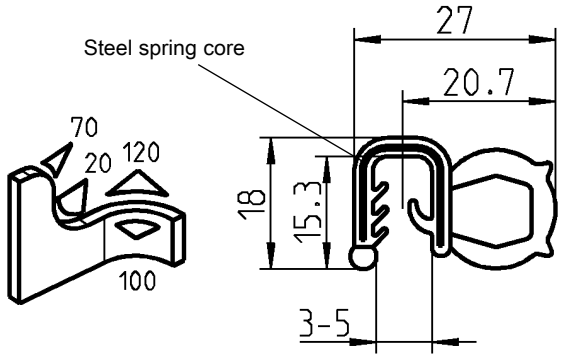






Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	
	1011-12*







* UL 50
UL 94-HB

Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	
Bore holes approx. every 300 mm	1011-45

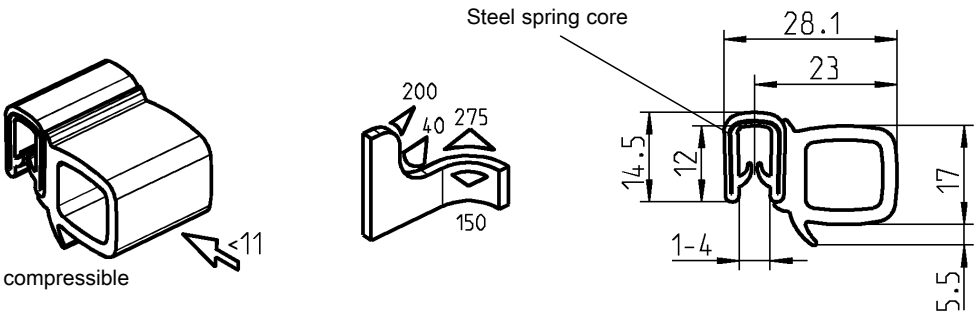
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EMKA® Beschlagteile

Seals, self-clamping

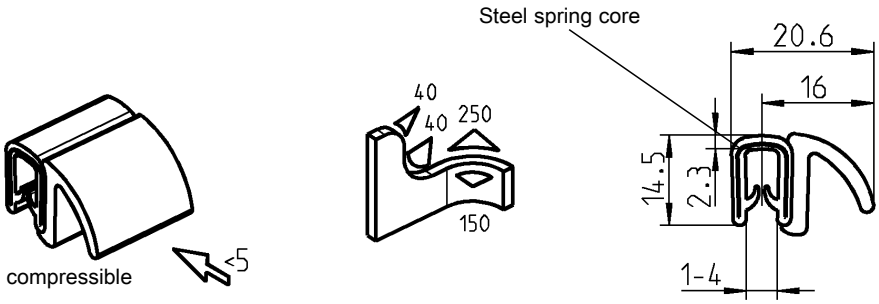
PROGRAM 1011





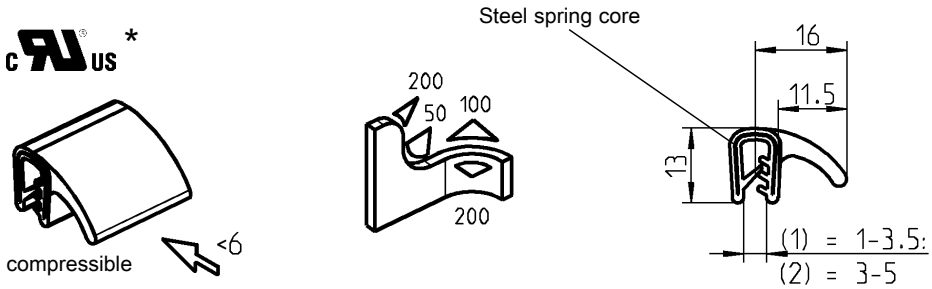
Sealing profile foam rubber EPDM, clamping profile PVC 70 ± 5 Shore A, black	1011-26





Sealing profile foam rubber EPDM, clamping profile PVC 70 ± 5 Shore A, black	1011-17





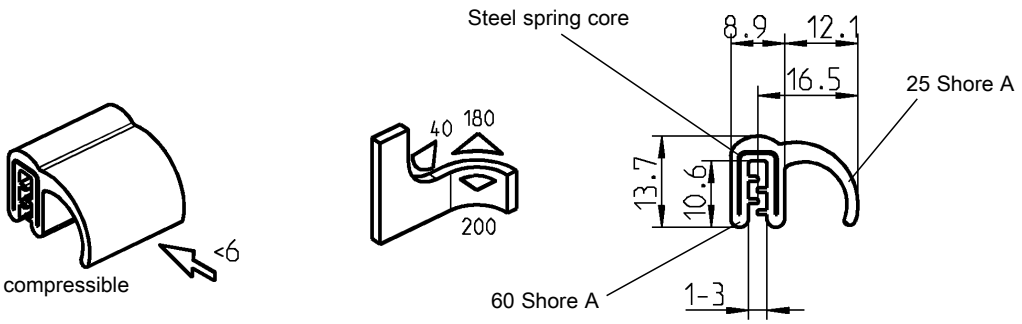
Sealing profile foam rubber, clamping profile material of choice		
Foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	(1)	1011-08*
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	(1)	1011-46
Foam rubber NBR, clamping profile NBR 60 ± 5 Shore A, black	(2)	1011-48



* c UL us

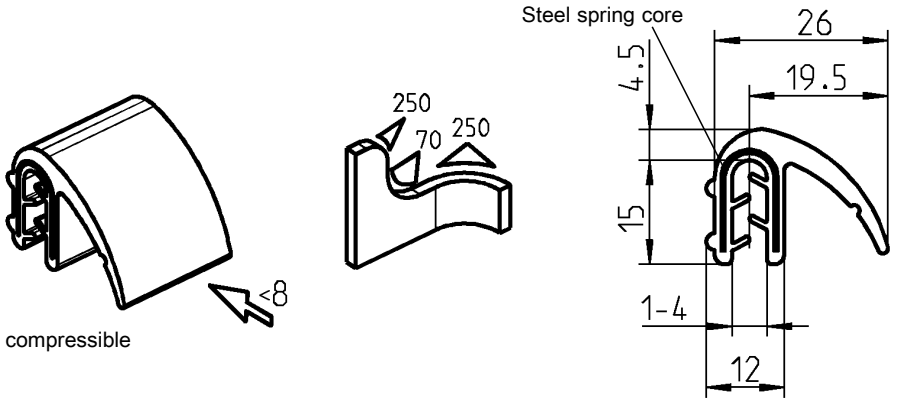
UL 50

UL 94-HB



Sealing profile foam rubber EPDM 25 Shore A, clamping profile EPDM 60 ± 5 Shore A, black	1011-41

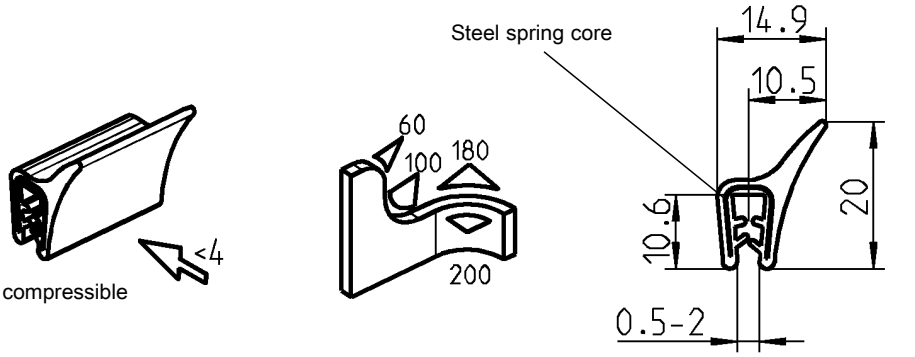
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Sealing profile and clamping profile EPDM 60 ± 5 Shore A, black

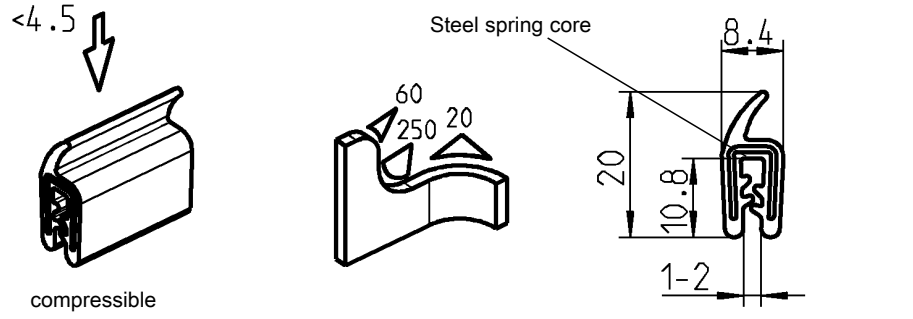
1011-40





Sealing profile and clamping profile EPDM 60 ± 5 Shore A, black

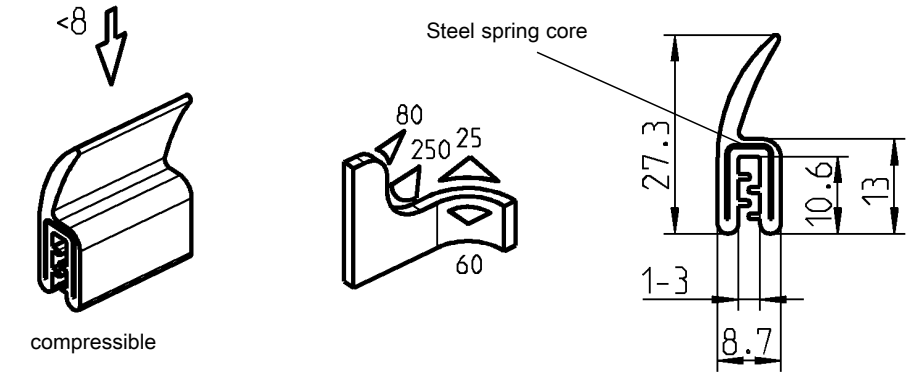
1011-44





Sealing profile and clamping profile EPDM 60 ± 5 Shore A, black

1011-31





Sealing profile and clamping profile EPDM 60 ± 5 Shore A, black

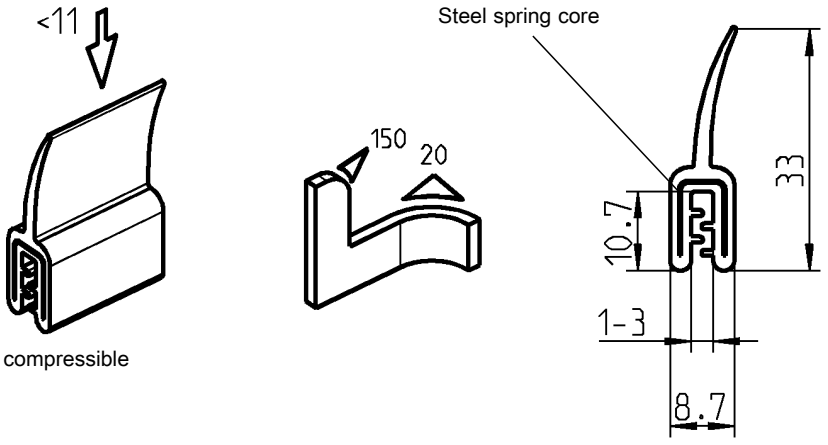
1011-32

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Seals, self-clamping

PROGRAM 1011

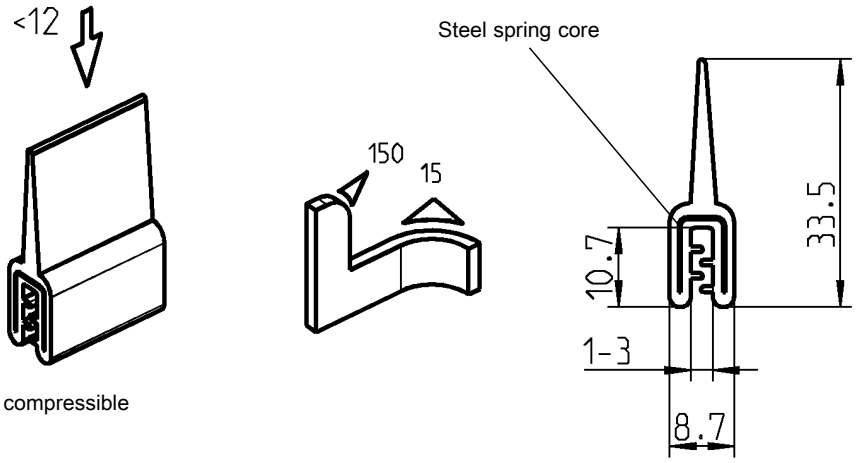




Sealing profile EPDM 60 ± 5 Shore A, black

1011-30

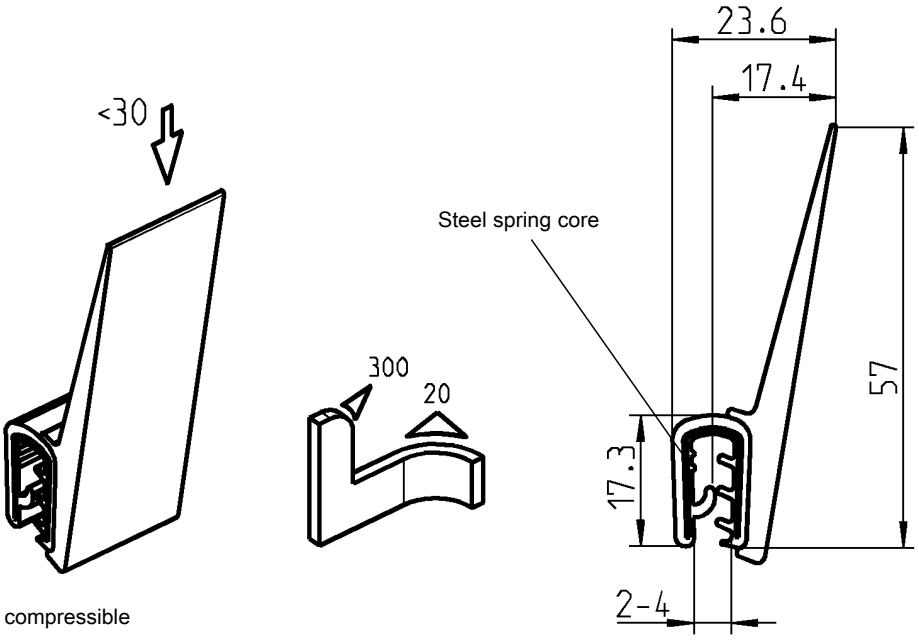




Sealing profile and clamping profile EPDM 60 ± 5 Shore A, black

1011-36





Sealing profile foam rubber EPDM, clamping profile PVC 70 ± 5 Shore A, black

1011-27

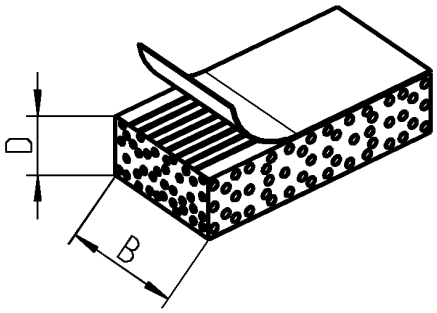
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Cell sponge rubber

PROGRAM 1016

Delivery lengths:

For depths	3 – 7 = Coil length	a	10 m
For depths	8 – 10 = Coil length	a	5 m
For depths	11 = in stripes	a	1 m

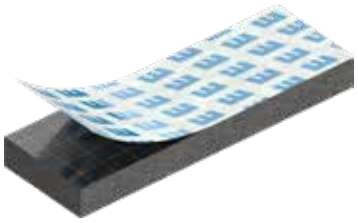


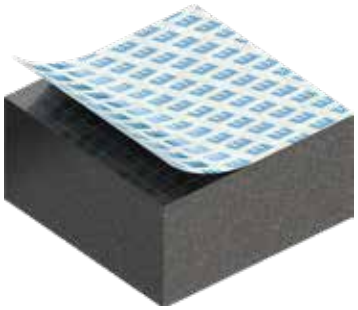
Dimension available from stock.
All other dimensions available in 2 to 3 weeks.

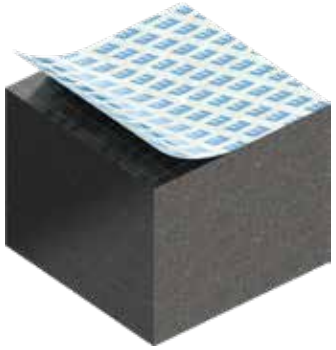
Special lengths available in 6 to 8 weeks. Minimum order quantity on request
(Item no.: 1016- ... - L mm) e.g. 1016-118-1400

Cell sponge rubber material of choice, stretch-free and self-adhesive, black

Dim.				Dim.			
Width	Depth	EPDM	CR	Width	Depth	EPDM	CR
10	3	1016-13	1016-61	30	10	1016-123	1016-159
	4	1016-14	1016-62		12	1016-124	1016-160
	5	1016-15	1016-63		15	1016-125	1016-161
10	6	1016-75	1016-99		20	1016-126	1016-162
	8	1016-76	1016-100		25	1016-127	1016-163
	10	1016-77	1016-101	40	5	1016-128	1016-164
15	3	1016-16	1016-64		10	1016-129	1016-165
	4	1016-17	1016-65		15	1016-130	1016-166
	5	1016-18	1016-66		20	1016-131	1016-167
15	6	1016-78	1016-102		25	1016-132	1016-168
	8	1016-79	1016-103		30	1016-133	1016-169
	10	1016-80	1016-104	50	5	1016-134	1016-170
	12	1016-81	1016-105		10	1016-135	1016-171
	15	1016-82	1016-106		15	1016-136	1016-172
20	3	1016-19	1016-67		20	1016-137	1016-173
	4	1016-20	1016-68		25	1016-138	1016-174
	5	1016-21	1016-69		30	1016-139	1016-175
20	6	1016-83	1016-107	60	5	1016-140	1016-176
	8	1016-84	1016-108		10	1016-141	1016-177
	10	1016-85	1016-109		15	1016-142	1016-178
	12	1016-86	1016-110		20	1016-143	1016-179
	15	1016-87	1016-111		25	1016-144	1016-180
	20	1016-88	1016-112		30	1016-145	1016-181
25	3	1016-89	1016-113	70	5	1016-146	1016-182
	4	1016-90	1016-114		10	1016-147	1016-183
	6	1016-91	1016-115		15	1016-148	1016-184
	8	1016-92	1016-116		20	1016-149	1016-185
	10	1016-93	1016-117		25	1016-150	1016-186
	12	1016-94	1016-118		30	1016-151	1016-187
	15	1016-95	1016-119	80	5	1016-152	1016-188
	20	1016-96	1016-120		10	1016-153	1016-189
30	3	1016-22	1016-70		15	1016-154	1016-190
	4	1016-23	1016-71		20	1016-155	1016-191
	5	1016-24	1016-72		25	1016-156	1016-192
	6	1016-97	1016-121		30	1016-157	1016-193
	8	1016-98	1016-122		40	1016-158	1016-194







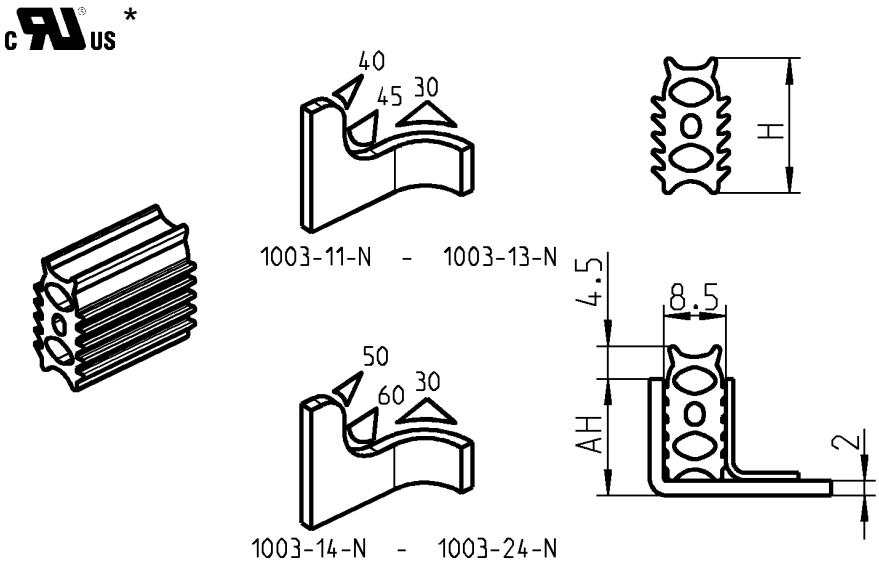
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EMKA® Beschlagteile

Seals secured in a U-section

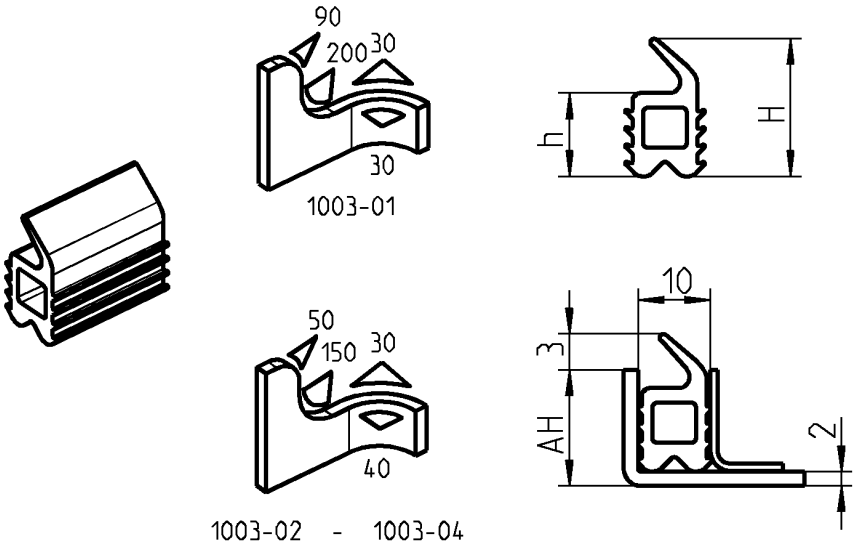
PROGRAM 1003





4-Lip profile foam rubber EPDM 25 Shore A, black		
AH	Height H	
16	18.5	1003-11-N*
18	20.5	1003-12-N*
20	22.5	1003-13-N*
22	24.5	1003-15-N*
24	26.5	1003-24-N*
26	28.5	1003-14-N*





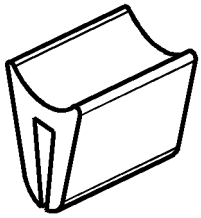
* c UL us

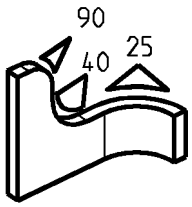
UL 50

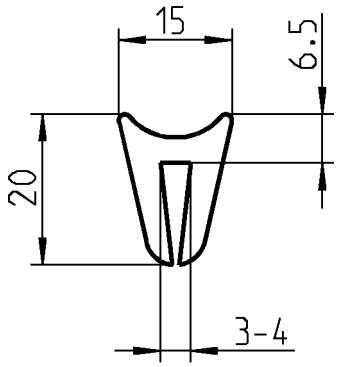
UL 94-HB

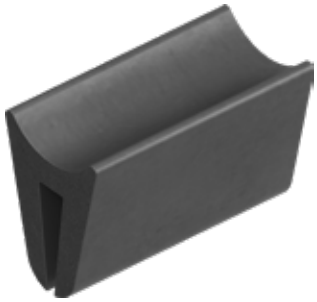
Lip profile EPDM 55 Shore A, black				
AH	H	h	Number of chambers	
16	17	9.5	1	1003-04
18	19	11.5	1	1003-03
20	21	13.5	2	1003-02
26	27	19.5	3	1003-01

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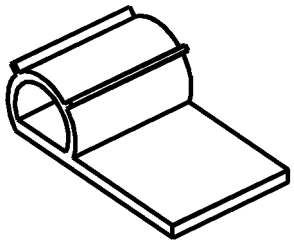


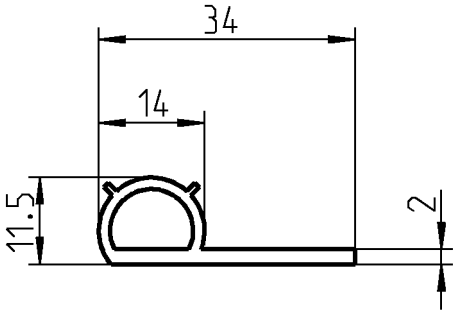


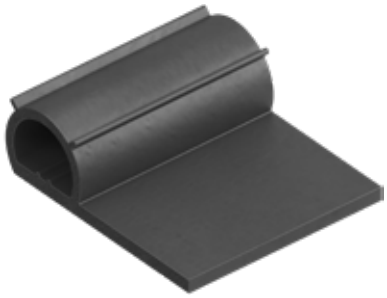


Sealing profile EPDM 55 Shore A, black

1038-07

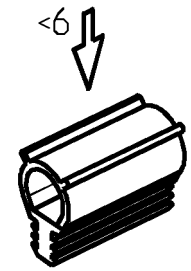




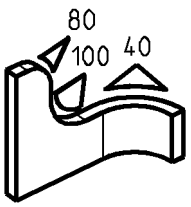


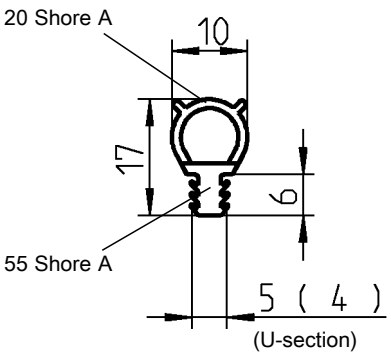
Sealing profile EPDM 55 Shore A, black

1038-10



compressible







Sealing profile foam rubber EPDM, clamping profile EPDM 55 ± 5 Shore A, black

1101-03

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EMKA® Beschlagteile

EMC seals

PROGRAM EMC



Attention:

Please provide a contact area for all EMC seals.

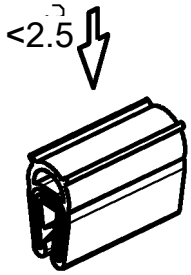
Further profiles on request.

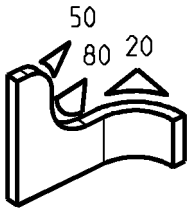


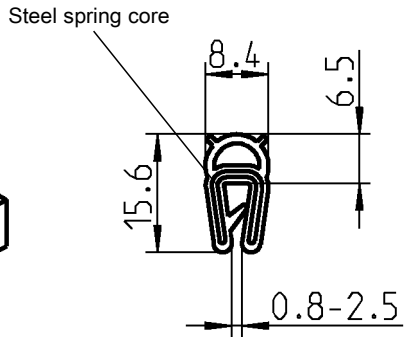
Further parts see page

– EMC seal	5A-220
– EMC conductive tape	5A-220

EMC seals



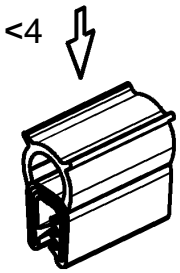


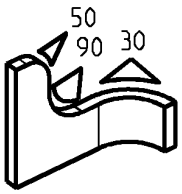


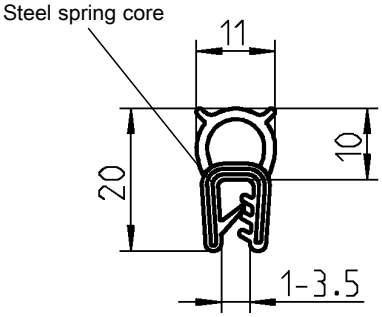
Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black

1011-10-E

EMC seals







Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black

1011-05-E

Shield electromagnetic radiation

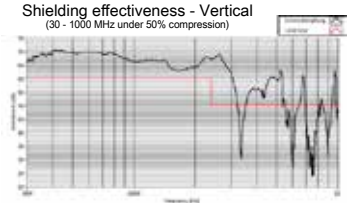
Electrical and electromagnetic fields can become a source of interference for technical equipment. Current carrying cables, electrical appliances and electronic controls generate such electromagnetic fields during operation.

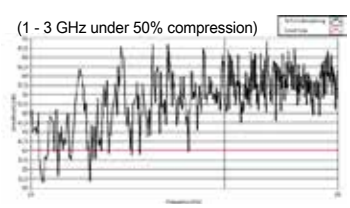
It may therefore be necessary to shield switch and control cabinets with EMC protection measures. In principle, it is always a matter of forming a kind of "Faraday cage" that prevents either the propagation or the irradiation of electromagnetic waves.

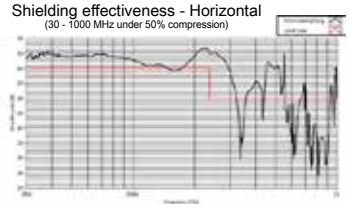
The solution offered by EMKA consists of a completely jacketed EPDM seal and an EMC conductive tape. This combination closes the slot antenna created by the door opening and diverts induced eddy currents to ground.

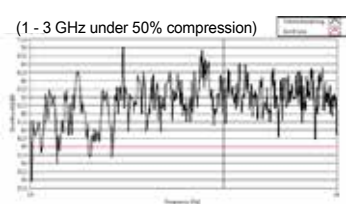
To ensure full-surface electrical contact with the housing, the contactive tape of metallized fleece is bonded to the housing (frame edge and door contact surface) with electrically conductive adhesive before powder coating. After stove enamelling, the mask is removed. This results in a corrosion-resistant, electrically conductive surface.

EMKA has carried out extensive test series according to DIN EN 61587-3 "Shielding tests for cabinets and subracks" to determine the shielding effectiveness with closed metal enclosures (see graphics below).





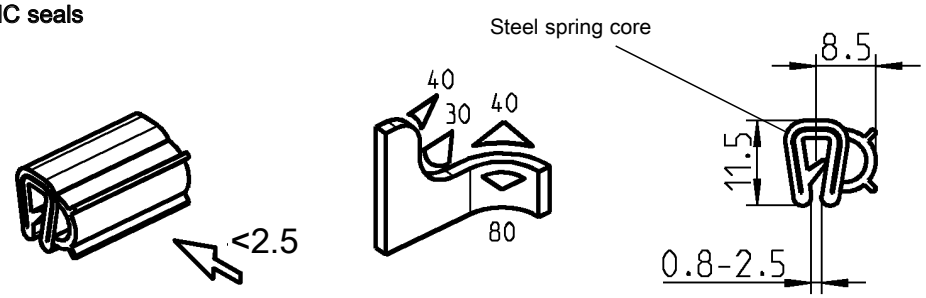






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EMC seals





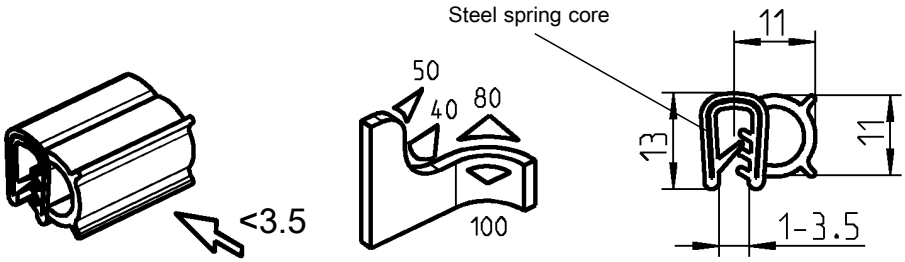
Attention:

Please provide a contact area for all EMC seals.

Further profiles on request.

Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	
	1011-09-E

EMC seals





Sealing profile foam rubber EPDM, clamping profile EPDM 65 ± 5 Shore A, black	
	1011-06-E

EMC conductive tape

– For painting and contact
– Highly-conductive adhesive for creating paint-free contact areas
– Length 25 m

Note:

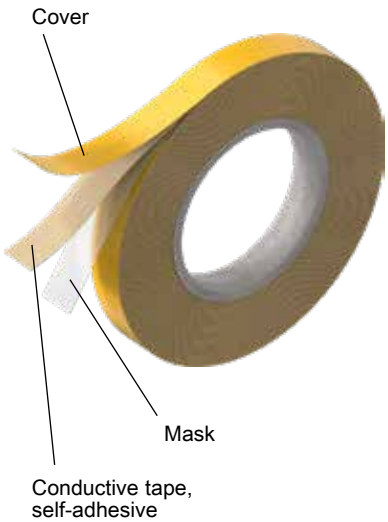
– The surface to be coated must be free of grease and dust.

– Remove the cover from the contact strip and stick the conductive tape onto the contact surfaces on the door and frame with some pressure.
For better adhesion the conductive tape is wider than the mask.

– Powder-coating can then be applied, whereby the mask prevents the coating adhering to the conductive tape. The baking temperature for powder-coating should be as low as possible.

– After powder-coating, the mask can be easily removed (preferably while still warm) while the conductive contact tape remains securely in place.

– The continuous operating temperature should not exceed 90° C.



EMC conductive tape		
Width in mm	**Suitable for EMC seal**	
12.7	for contact surface on door side	1016-220-127E
22	1011-09-E; 1011-10-E	1016-220-220E
25.4	1011-05-E; 1011-06-E	1016-220-254E
Further dimensions on request		

Further parts see page
– EMC seal 5A-210

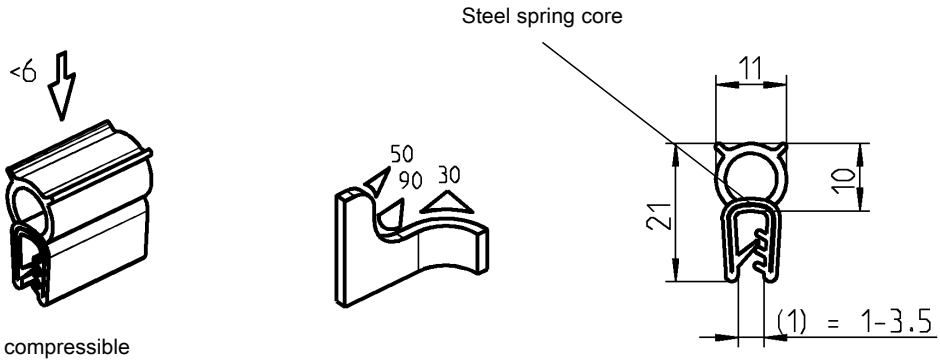
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Seals according to VDI 6022

PROGRAM 1011



According to VDI 6022

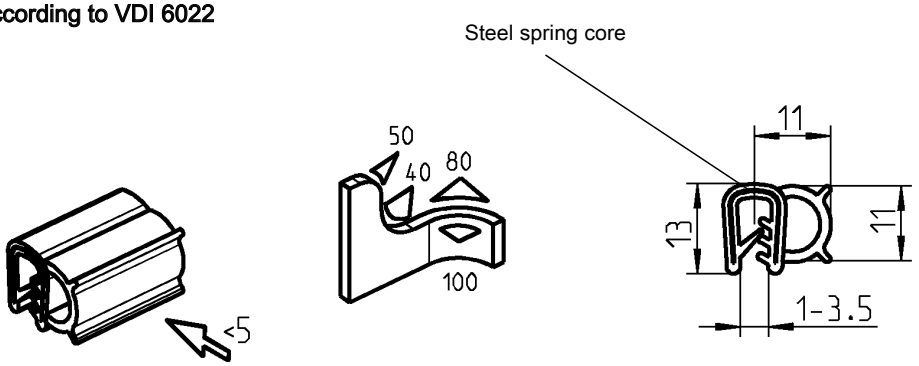


Sealing profile EPDM 45 ± 5 Shore A, clamping profile EPDM 60 ± 5 Shore A, black

1011-05-09



According to VDI 6022

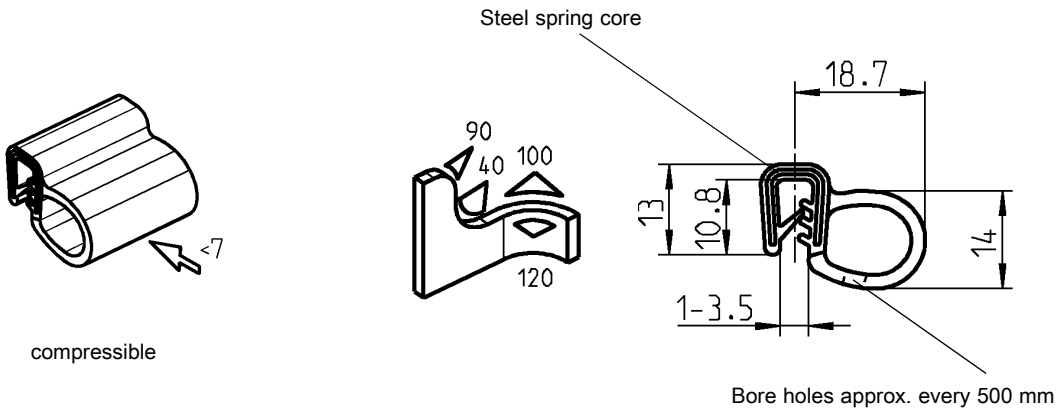


Sealing profile EPDM 45 ± 5 Shore A, clamping profile EPDM 60 ± 5 Shore A, black

1011-06-09



According to VDI 6022



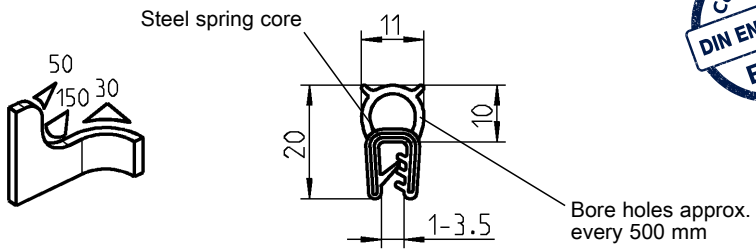
Sealing profile foam rubber EPDM, clamping profile EPDM 64 ± 5 Shore A, black

1011-19-09

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Seals made of fire protection material (EPDM)

PROGRAM 1011

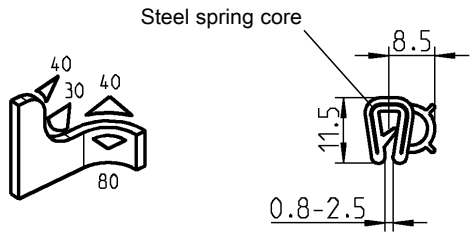


Certificate DIN EN 45545-2 EPDM



Sealing profile made of fire protection material foam rubber EPDM, clamping profile EPDM 60 ± 5 Shore A, black

1011-05-FR01



Certificate DIN EN 45545-2 EPDM

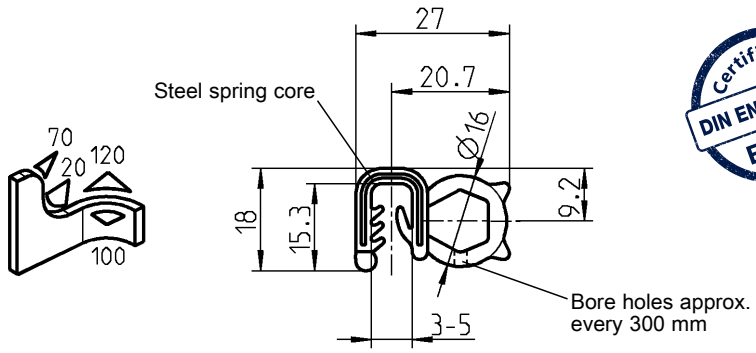


Sealing profile made of fire protection material foam rubber EPDM, clamping profile EPDM 60 ± 5 Shore A, black

1011-09-FR01

Product benefits

- Flame retardant for more safety
- Significant cost savings compared to silicone seals
- Readily customized frames and rings according to customer specifications possible
- Profile geometry also individually according to customer requirements
- Reliable top quality from in-house production in Europe

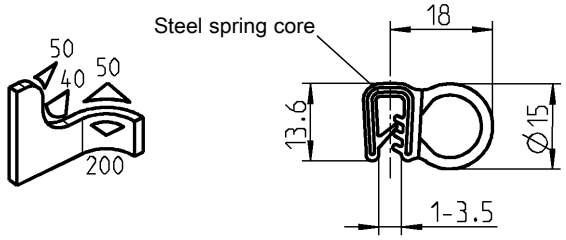


Certificate DIN EN 45545-2 EPDM



Sealing profile made of fire protection material foam rubber EPDM, clamping profile EPDM 60 ± 5 Shore A, black

1011-45-FR01



Certificate DIN EN 45545-2 EPDM



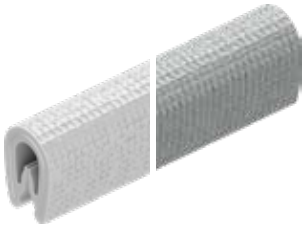
Sealing profile made of fire protection material foam rubber EPDM, clamping profile EPDM 60 ± 5 Shore A, black

1011-51-FR01

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Seals
Extract from the special catalogue

Edge protection profiles



Self-clamping sealing profiles









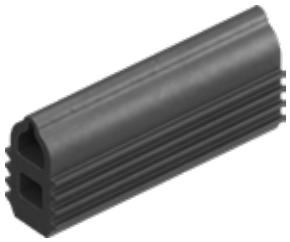

Self-clamping sealing profiles made of fire protection material



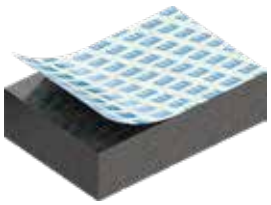



U-section profiles



Profiles with adhesive tape



Clamping and holding profiles





All standard profiles as well as further information on the subject of seals can be found in our 108-page special catalogue:

Sealing Technology made to measure - Profiles and Frames from In-House Production



Download

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Handles
Program 1095

1



1



1



1



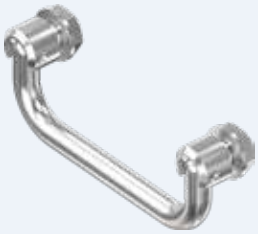
4



5

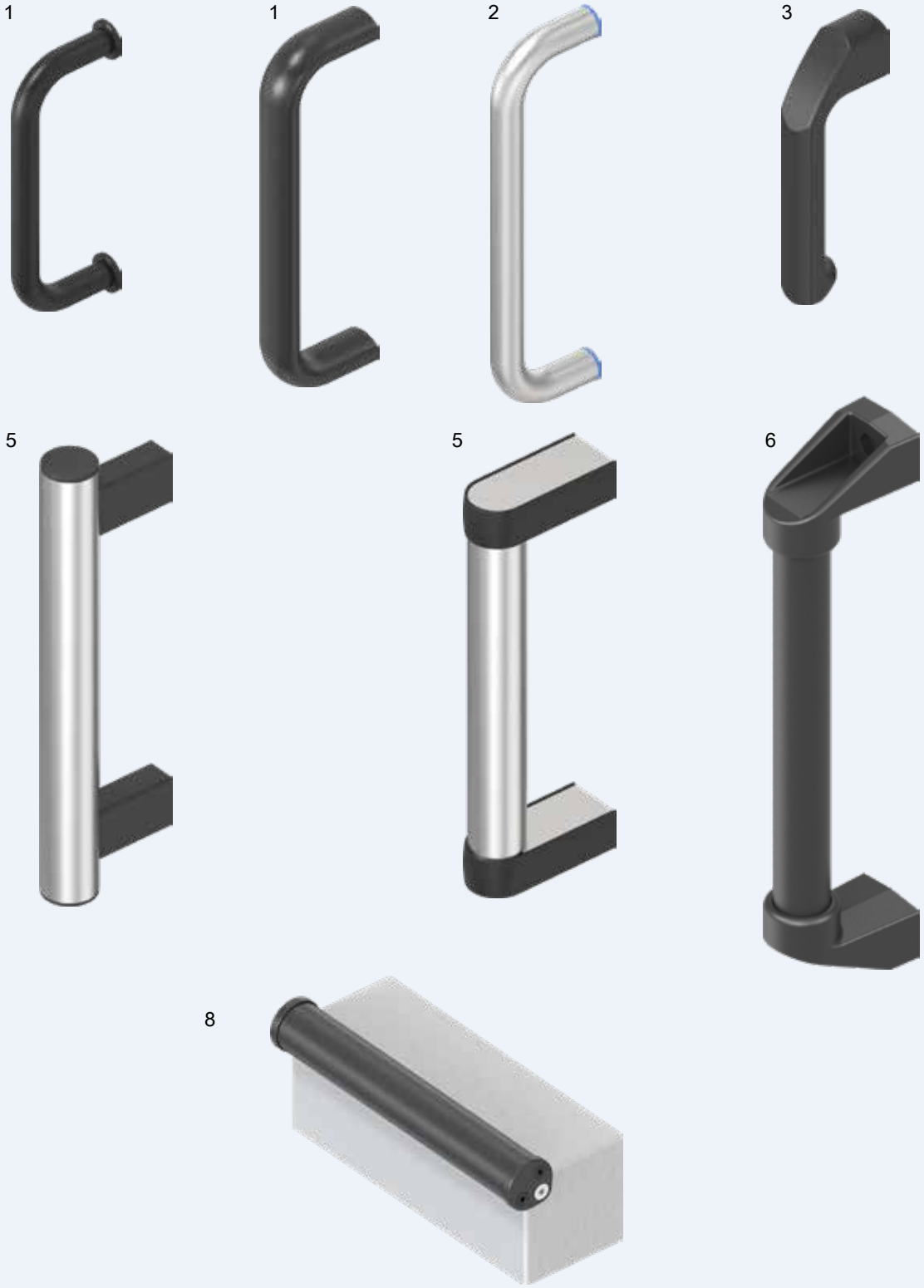


7



7





1	Bow-type handles in different sizes	6A-120 to 6A-210
2	Stainless steel bow-type handle for hygienic areas	6A-200
3	Handle	6A-440
4	Machine handle	6A-210
5	Tube handle in various lengths	6A-320 to 6A-360
6	Handle in various lenghts or fixed lengths	6A-220, 6A-240
7	Chest handle in various lengths	6A-420
8	Edge handle in various lengths	6A-420

EMKA® Beschlagteile

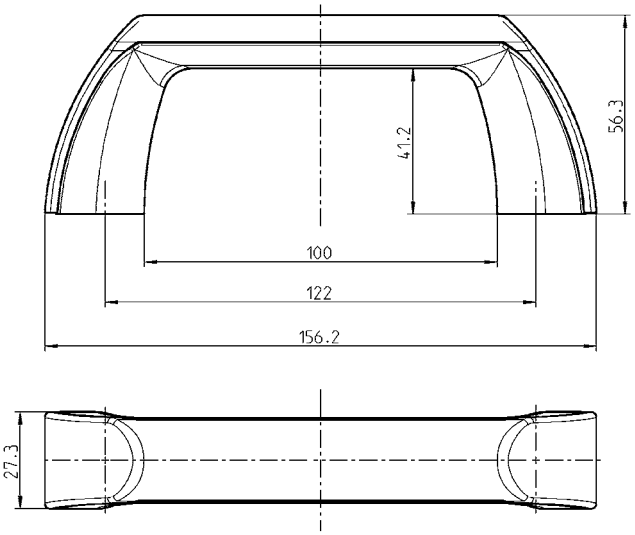
Bow-type handle

PROGRAM 1095

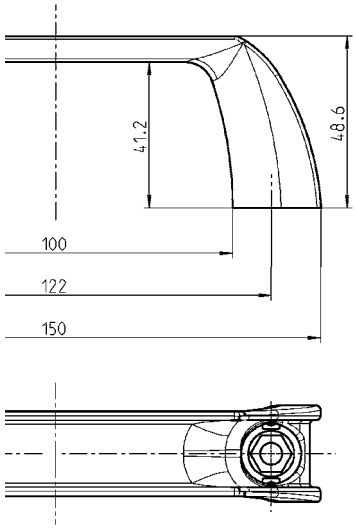


Note:
Antimicrobial additive:
Biomaster silver biocide.
Please handle biocides responsibly.

Bow-type handle with cover



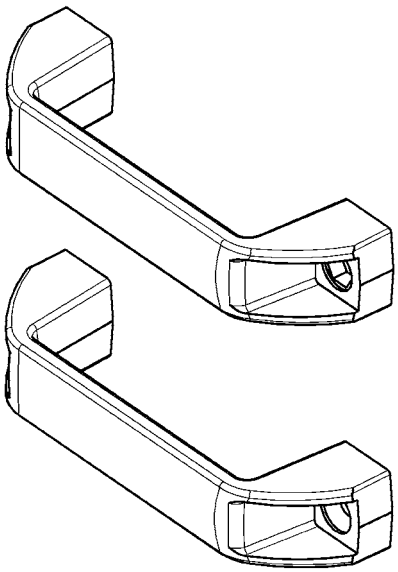
Bow-type handle without cover

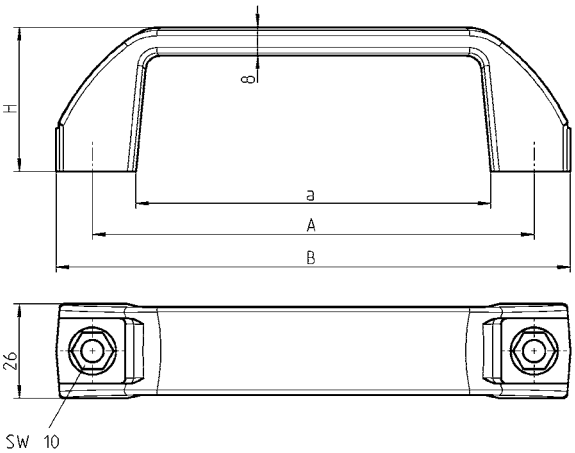


Bow-type handle polyamide GF black	
Handle for hexagon head screw or cylinder head screw M6 acc. to DIN 4017/1207	1095-35
Handle for countersunk screw small head M5 or blind rivet Ø 4.8 mm	1095-36
Cover for bow-type handle polyamide GF black	
	1095-37
Bow-type handle made of antimicrobial polyamide GF black	
	1095-36-WI
Cover for bow-type handle made of antimicrobial polyamide GF black	
	1095-37-WI



Bow-type handle





Version	a	A	B	H
1	98	122	142	40
2	118.5	152	167	53.5

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Fixing material is not included in scope of delivery.

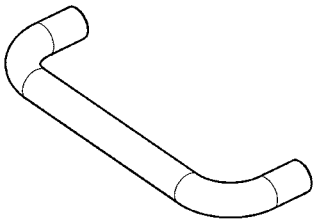
Bow-type handle polyamide GF black		
	Version 1	**Version 2**
Handle for hexagon head screw or cylinder head screw M6 acc. to DIN 4017/1207	1095-05	1095-19
Handle for countersunk screw small head M5 or blind rivet Ø 4.8 mm	1095-06	–

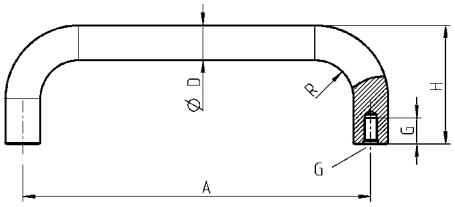
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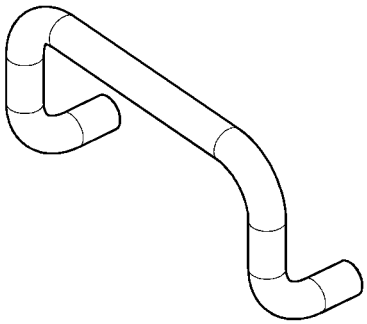
Bow-type handle

PROGRAM 1095

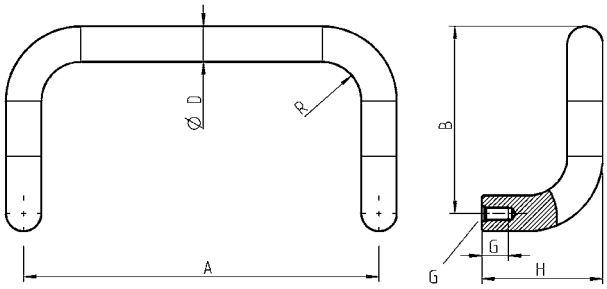
Version 1







Version 2



Version 1



Version 2



Bow-type handle aluminium raw or black plastic coated, threaded bush aluminium with Ø D = 28

Version 1

A	B	D	G	H	R	blank	black
200	–	20	M8x15	68	22	1095-24-200KB	1095-24-200AA
250	–	20	M8x15	68	22	1095-24-250KB	1095-24-250AA
250	–	28	M10x15	78	32	1095-U24-250KB	1095-U24-250AA
300	–	20	M8x15	68	22	1095-24-300KB	1095-24-300AA
300	–	28	M10x15	78	32	1095-U24-300KB	1095-U24-300AA
350	–	20	M8x15	68	22	1095-24-350KB	1095-24-350AA
350	–	28	M10x15	78	32	1095-U24-350KB	1095-U24-350AA
400	–	28	M10x15	78	32	1095-U24-400KB	1095-U24-400AA

Version 2

A	B	D	G	H	R	blank	black
200	105	20	M8x15	68	22	1095-25-200KB	1095-25-200AA
250	120	28	M10x15	78	32	1095-U25-250KB	1095-U25-250AA
300	105	20	M8x15	68	22	1095-25-300KB	1095-25-300AA
350	120	28	M10x15	78	32	1095-U25-350KB	1095-U25-350AA
500	120	28	M10x15	78	32	1095-U25-500KB	1095-U25-500AA

Bow-typed handles with Ø D = 28 are made of an aluminium tube with thickness of 4 mm.

Fixing material is not included in scope of delivery.

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Items printed in gray without stock

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Bow-type handle

PROGRAM 1095

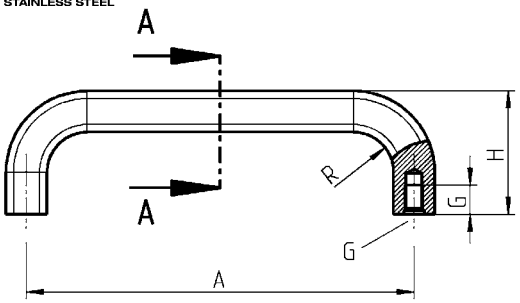
AISI INOX



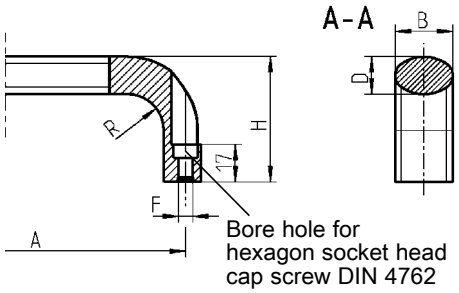


EDELSTAHL Rostfrei STAINLESS STEEL

Version 1



Version 2



Bow-type handle aluminium optionally blank, anodised or black plastic-coated or stainless steel AISI

Version 1

A	B	D	G	H	R	Aluminium blank	Aluminium anodized	Aluminium black
100	20	13	M6x10	47	13	1095-26-100KB	1095-26-100NA	1095-26-100AA
112	20	13	M6x10	49	13	1095-26-112KB	1095-26-112NA	1095-26-112AA
112	26	17	M8x12	53	17	1095-27-112KB	1095-27-112NA	1095-27-112AA
128	20	13	M6x10	51	13	1095-26-128KB	1095-26-128NA	1095-26-128AA
128	26	17	M8x12	55	17	1095-27-128KB	1095-27-128NA	1095-27-128AA
160	20	13	M6x10	51	13	1095-26-160KB	1095-26-160NA	1095-26-160AA
160	26	17	M8x12	57	17	1095-27-160KB	1095-27-160NA	1095-27-160AA
192	26	17	M8x12	57	17	1095-26-192KB	1095-26-192NA	1095-26-192AA
200	20	13	M6x10	51	13	1095-26-200KB		1095-26-200AA
300	26	17	M8x12	57	17	1095-26-300KB	1095-26-300NA	1095-26-300AA
400	26	17	M8x12	57	17	1095-26-400KB	1095-26-400NA	1095-26-400AA
500	26	17	M8x12	57	17	1095-26-500KB	1095-26-500NA	1095-26-500AA
A	**B**	**D**	**G**	**H**	**R**			**AISI 304**
112	20	13	M6x10	49	13			1095-26-112PC
128	20	13	M6x10	51	13			1095-26-128PC
160	20	13	M6x10	51	13			1095-26-160PC

Version 2

A	B	D	F	H	R	Aluminium blank	Aluminium anodized	Aluminium black
100	20	13	Ø 5.4	49	13	1095-42-100KB		1095-42-100AA
112	20	13	Ø 5.4	49	13	1095-42-112KB		1095-42-112AA
116	26	17	Ø 6.4	55	17	1095-28-116KB	1095-28-116NA	1095-28-116AA
120	20	13	Ø 5.4	51	13	1095-42-120KB		1095-42-120AA
128	20	13	Ø 5.4	51	13	1095-42-128KB		1095-42-128AA
132	26	17	Ø 6.4	55	17	1095-28-132KB	1095-28-132NA	1095-28-132AA
160	20	13	Ø 5.4	51	13	1095-42-160KB		1095-42-160AA
164	26	17	Ø 6.4	57	17	1095-28-164KB	1095-28-164NA	1095-28-164AA
196	26	17	Ø 6.4	57	17	1095-28-196KB	1095-28-196NA	1095-28-196AA
A	**B**	**D**	**F**	**H**	**R**		**AISI CF-8**	**AISI 316**
112	20	13	Ø 5.4	49	13		1095-42-112PS	
116	26	17	Ø 6.4	55	17			1095-28-116PH
128	20	13	Ø 5.4	51	13		1095-42-128PS	
160	20	13	Ø 5.4	51	13		1095-42-160PS	

Fixing material is not included in scope of delivery.

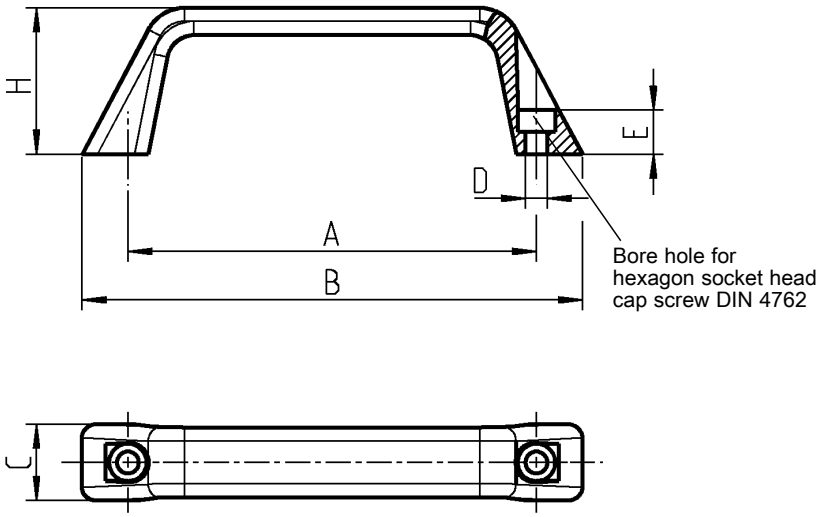
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Items printed in gray without stock

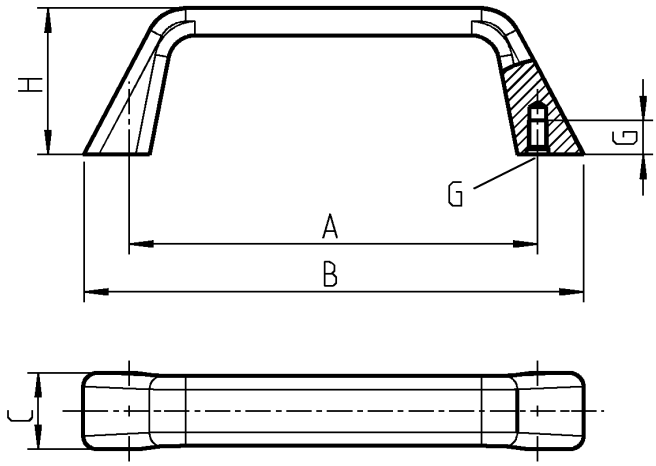
Bow-type handle

PROGRAM 1095

Version 1



Version 2



Version 1



Version 2



Bow-type handle aluminium blank or black plastic-coated							
Version 1							
A	B	C	D	E	H	blank	black
120	147	22.5	6.4	13	43	1095-29-120KB	1095-29-120AA
180	215	27	8.4	16	48	1095-29-180KB	1095-29-180AA
Version 2							
A	B	C	G	H		blank	black
120	147	22.5	M6x10	43		1095-30-120KB	1095-30-120AA
180	215	27	M8x12	48		1095-30-180KB	1095-30-180AA

Fixing material is not included in scope of delivery.

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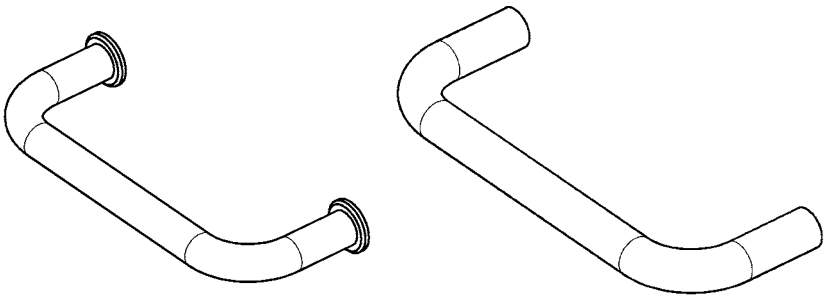
EMKA® Beschlagteile

Bow-type handle

PROGRAM 1095

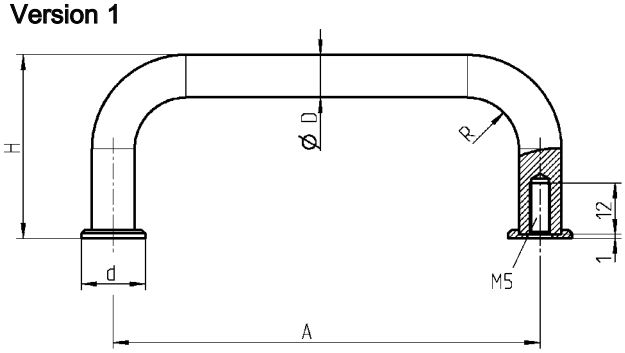
AISI INOX

EDELSTAHL Rostfrei STAINLESS STEEL



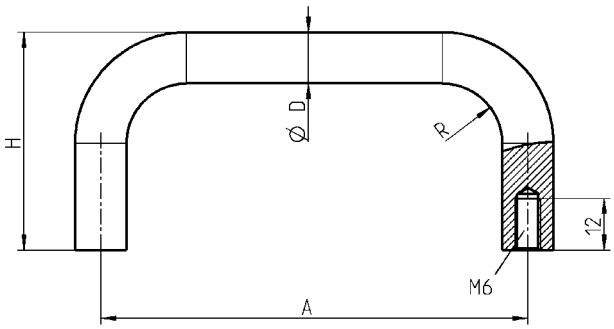
Version 1





Version 2





Fixing material is not included in scope of delivery.

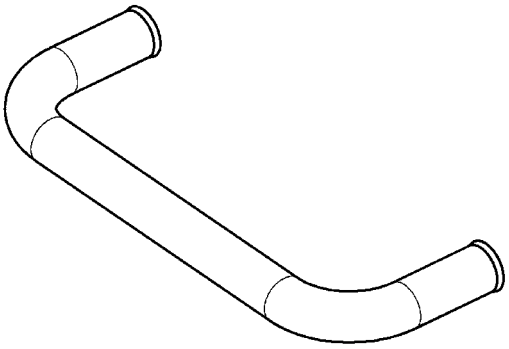
Bow-type handle optionally aluminium black plastic-coated, m.s. black plastic-coated or stainless steel AISI							
Version 1 with threaded hole M5							
A	**D**	**d**	**H**	**R**		**Aluminium black**	**m.s. black**
100	10	15	43	12		1095-U35-100AA	1095-U35-100RA
200	10	15	43	12		1095-U35-200AA	1095-U35-200RA
A	**D**	**d**	**H**	**R**		**AISI 303**	**AISI 316L**
100	10	15	43	12		1095-U35-100PF	1095-U35-100PK
200	10	28	43	12		1095-U35-200PF	1095-U35-200PK
Version 2 with threaded hole M6							
A	**D**	**d**	**H**	**R**		**Aluminium black**	**m.s. black**
125	12	–	51	14		1095-38-125AA	1095-38-125RA
250	12	–	51	14		1095-38-250AA	1095-38-250RA
A	**D**	**d**	**H**	**R**		**AISI 304**	**AISI 316L**
125	12	–	51	14		1095-38-125PC	
250	12	–	51	14		1095-38-250PC	
Version 2 without threaded hole M6							
A	**D**	**d**	**H**	**R**		**AISI 304**	
125	12	–	51	14		1095-39-125PC	

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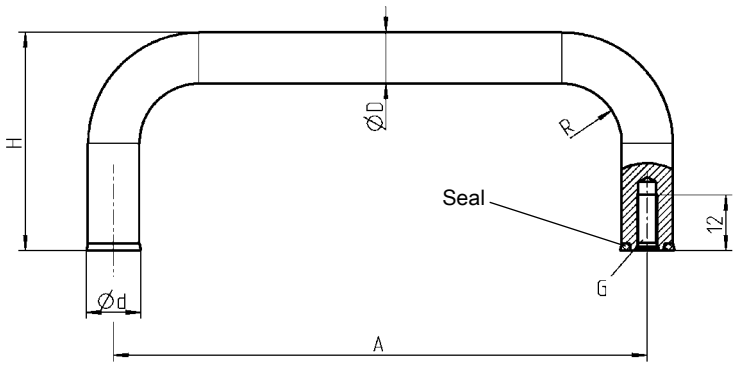
Items printed in gray without stock

St. steel bow-type handle for hygienic areas, Bow-type handle

PROGRAM 1095



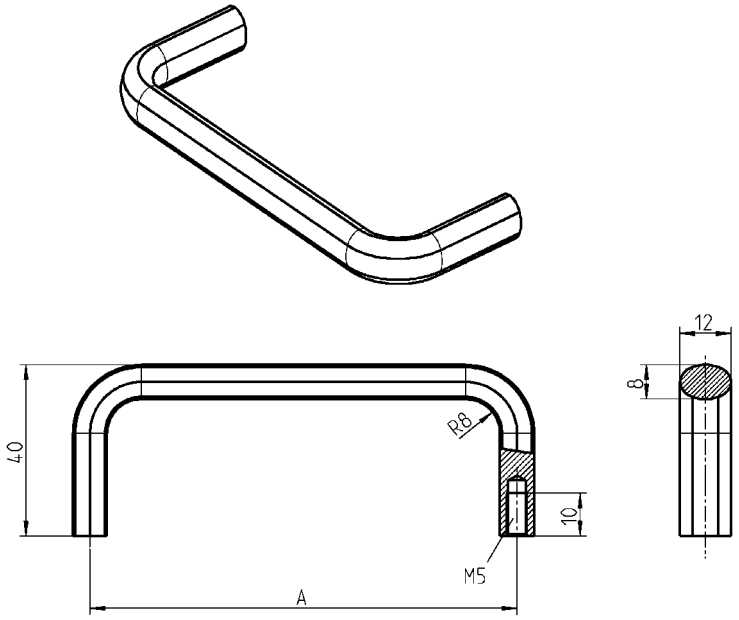
Stainless steel bow-type handle for hygienic areas with flat seal flush on the outside

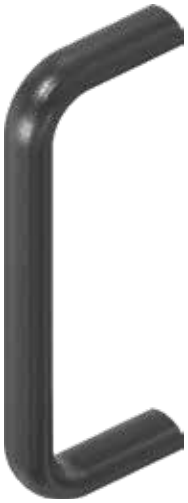




Stainless steel bow-type handle AISI 316L for hygienic areas, with seal

A	D	d	G	H	R		
125	12	12.8	M5	51	14		1095-U38-125PK
200	16	16.8	M6	59	18		1095-U39-200PK





*** Bow-type handle aluminium black plastic-coated**

A	
100	1095-40-100AA
120	1095-40-120AA
180	1095-40-180AA
200	1095-40-200AA

* Fixing material is not included in scope of delivery.

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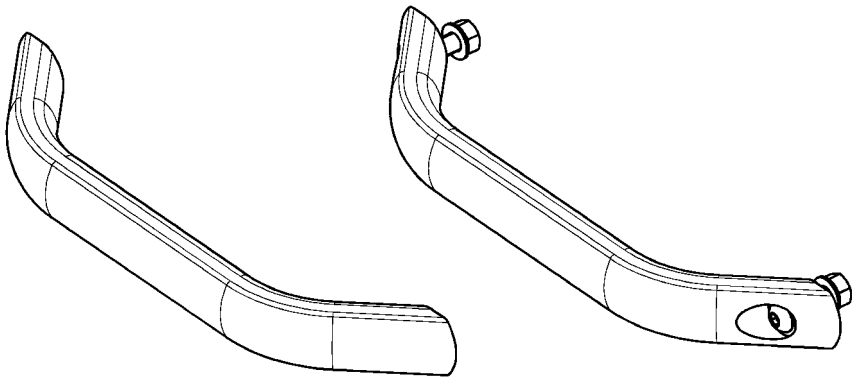
Machine handle

PROGRAM 1095

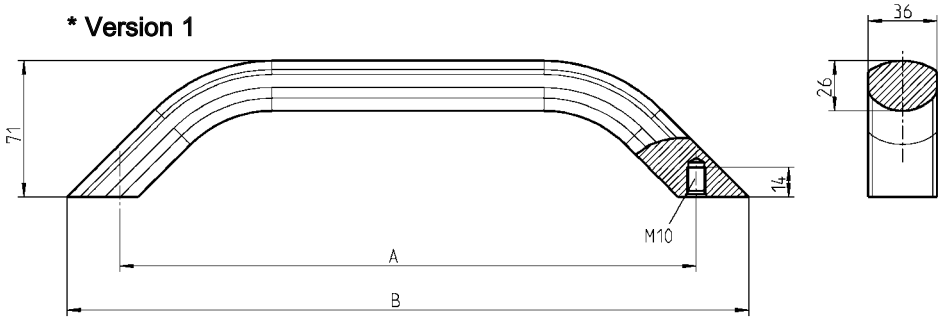
Version 1

Version 2

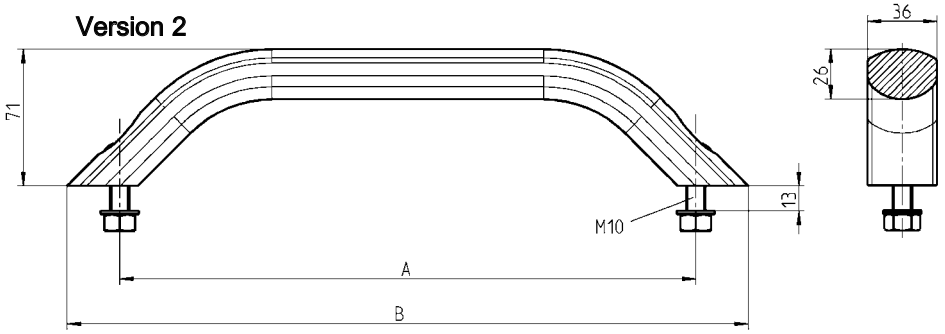


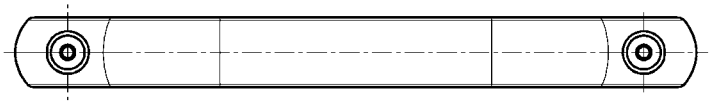


* Version 1



Version 2





* Fixing material is not included in scope of delivery.

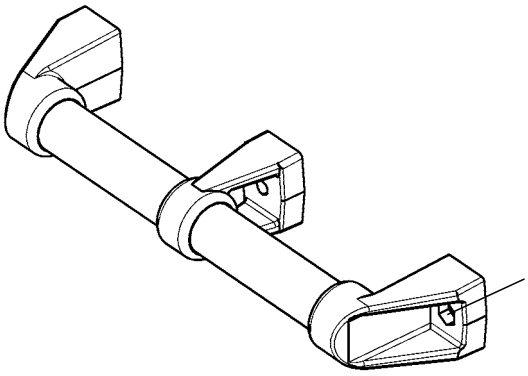
Machine handle aluminium black plastic-coated; for version 2: screw, washer and nut AISI 304				
A	B		Version 1	Version 2
500	555		1095-41-500AA	1095-U36-500AA
600	655		1095-41-600AA	1095-U36-600AA
800	855		1095-41-800AA	1095-U36-800AA

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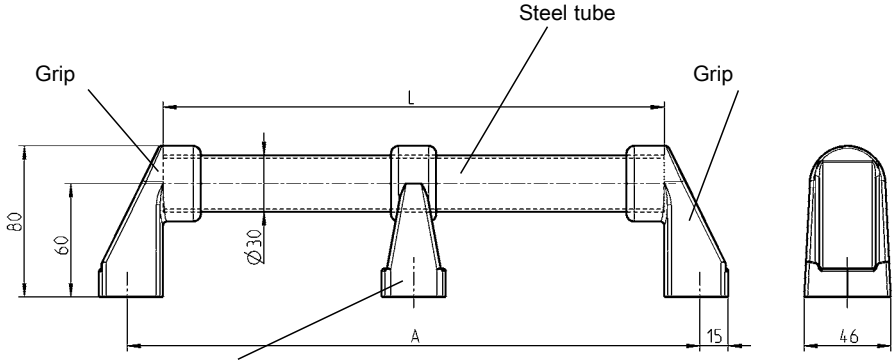
Items printed in gray without stock

Handle with variable length

PROGRAM 1095



for hexagon screw or cylinder screw M8
according to DIN 4017/1207



Middle piece required from L = 1000 mm



Grip polyamide GF black					
		1095-07			
Middle piece polyamide GF black					
		1095-20			
Steel tube Ø 30 m.s. plastic-coated black					
L	**A**		**L**	**A**	
266	300	1095-08	366	400	1095-09
466	500	1095-10	566	600	1095-11
666	700	1095-13	766	800	1095-14
2500	2534	1095-21			
Yard goods and fixed lengths up to 5000 mm *			1095-12-L mm		

* Minimum quantity and delivery time on request!

Handle with variable length

Fixing material is not included in scope of delivery.

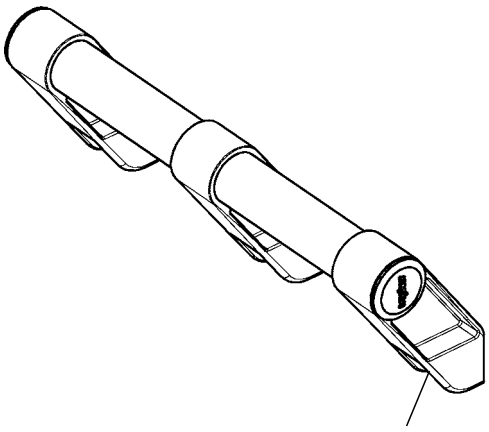
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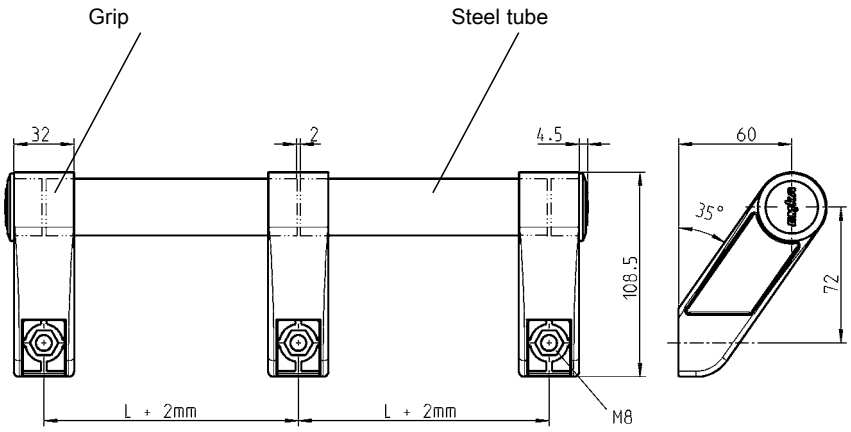
Handle with variable length

PROGRAM 1095





for hexagon screw or cylinder screw M8
according to DIN 4017/1207



Grip usable left, right and as centre part. When used as a centre part, the tube has to be interrupted.

Handle with variable length (35° slope)

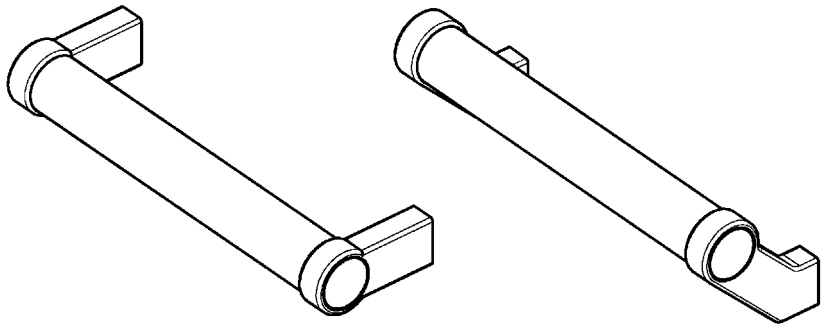
Fixing material is not included in scope of delivery.

Grip polyamide black for hexagon screw or cylinder screw M8 with 1 plug polypropylene black			
			1095-U01
Steel tube Ø 30 m.s. plastic-coated black			
L = 266	1095-08	L = 366	1095-09
L = 466	1095-10	L = 566	1095-11
L = 666	1095-13	L = 766	1095-14
Yard goods and fixed lengths up to 5000 mm *		1095-12-L mm	
* Minimum quantity and delivery time on request!			

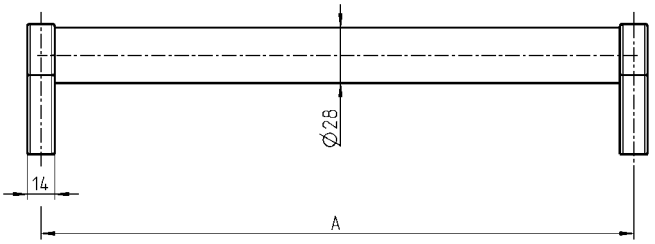
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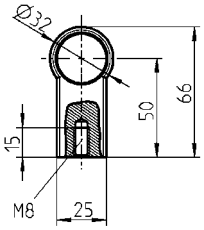
Tube handle

PROGRAM 1095

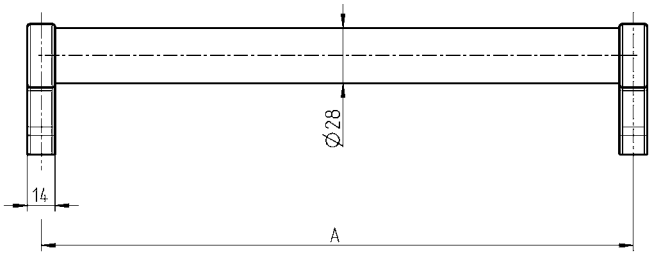


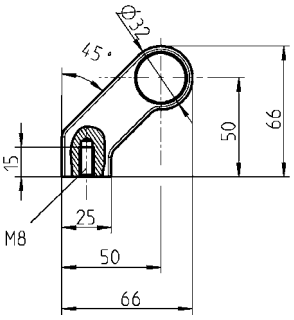
Version 1





Version 2







Version 1



Version 2

Tube handle aluminium anodized or black plastic-coated;
handle base zinc die black plastic-coated;
cover plastic light grey, screw m.s. zinc-plated

Version 1

A	anodized	black
200	1095-U26-200NA	1095-U26-200AA
250	1095-U26-250NA	1095-U26-250AA
300	1095-U26-300NA	1095-U26-300AA
400	1095-U26-400NA	1095-U26-400AA
500	1095-U26-500NA	1095-U26-500AA
600	1095-U26-600NA	1095-U26-600AA

Version 2

A	anodized	black
200	1095-U27-200NA	1095-U27-200AA
250	1095-U27-250NA	1095-U27-250AA
300	1095-U27-300NA	1095-U27-300AA
400	1095-U27-400NA	1095-U27-400AA
500	1095-U27-500NA	1095-U27-500AA
600	1095-U27-600NA	1095-U27-600AA

Fixing material is not included in scope of delivery.

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Items printed in gray without stock

EMKA® Beschlagteile

Tube handle

PROGRAM 1095

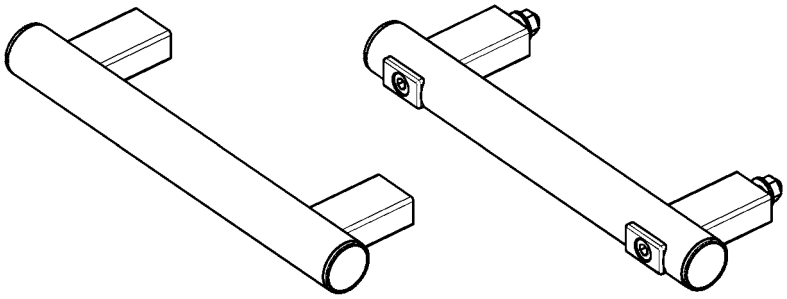


Version 1

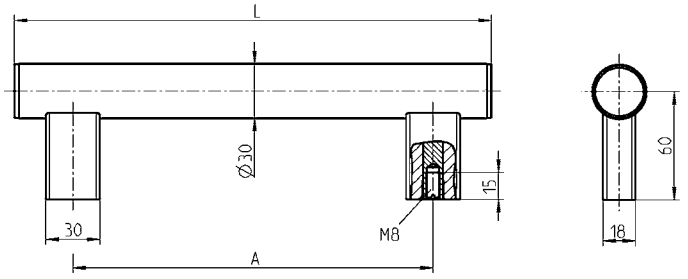


Version 2

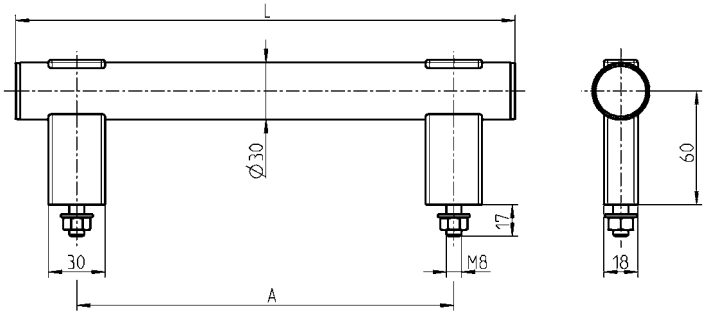
* Fixing material is not included in scope of delivery.



* Version 1



Version 2



Tube handle aluminium anodized or black plastic-coated; handle base polyamide GF black, cover plastic black; holding screw and nut m.s. zinc-plated

Version 1

A	L	anodized	black
200	265	1095-U28-200NA	1095-U28-200AA
250	315	1095-U28-250NA	1095-U28-250AA
300	365	1095-U28-300NA	1095-U28-300AA
400	465	1095-U28-400NA	1095-U28-400AA
500	565	1095-U28-500NA	1095-U28-500AA
600	665	1095-U28-600NA	1095-U28-600AA

Version 2

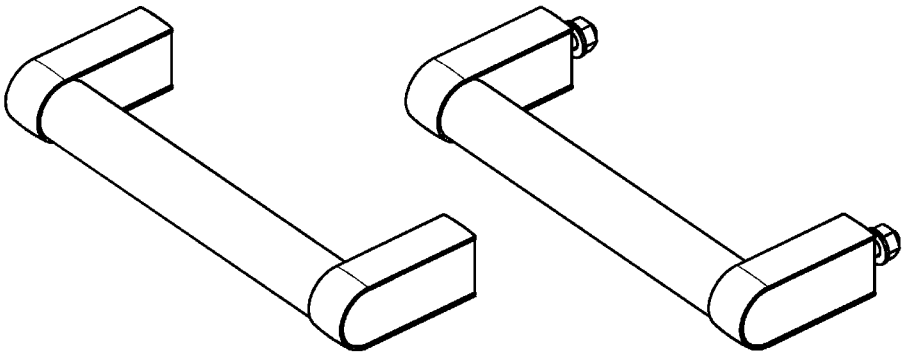
A	L	anodized	black
200	265	1095-U29-200NA	1095-U29-200AA
250	315	1095-U29-250NA	1095-U29-250AA
300	365	1095-U29-300NA	1095-U29-300AA
400	465	1095-U29-400NA	1095-U29-400AA
500	565	1095-U29-500NA	1095-U29-500AA
600	665	1095-U29-600NA	1095-U29-600AA

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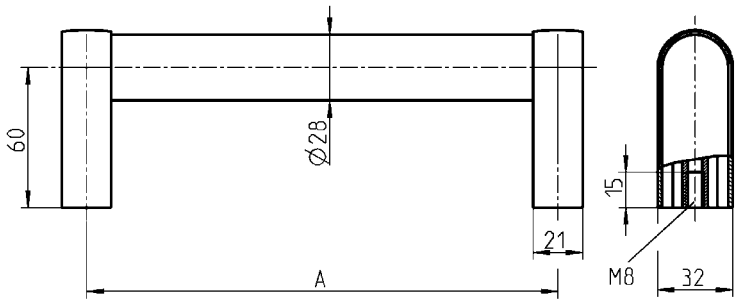
Items printed in gray without stock

Tube handle

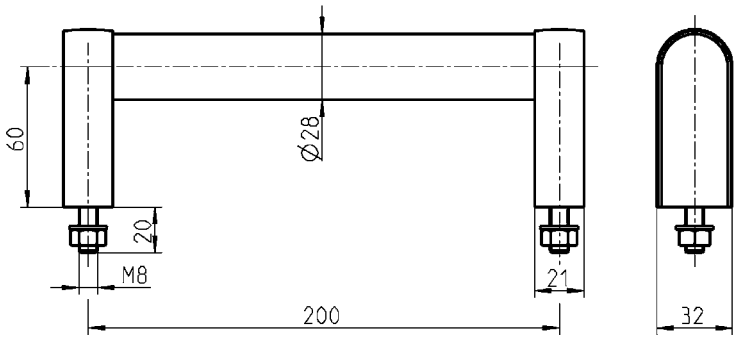
PROGRAM 1095



* Version 1



Version 2





Version 1



Version 2

* Fixing material is not included in scope of delivery.

Tube handle aluminium anodized or black plastic-coated; cover plastic black, screw and nut m.s. zinc-plated		
Version 1		
A	**anodized**	**black**
200	1095-U30-200NA	1095-U30-200AA
250	1095-U30-250NA	1095-U30-250AA
300	1095-U30-300NA	1095-U30-300AA
400	1095-U30-400NA	1095-U30-400AA
500	1095-U30-500NA	1095-U30-500AA
600	1095-U30-600NA	1095-U30-600AA
Version 2		
A	**anodized**	**black**
200	1095-U31-200NA	1095-U31-200AA
250	1095-U31-250NA	1095-U31-250AA
300	1095-U31-300NA	1095-U31-300AA
400	1095-U31-400NA	1095-U31-400AA
500	1095-U31-500NA	1095-U31-500AA
600	1095-U31-600NA	1095-U31-600AA

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Items printed in gray without stock

EMKA Beschlagteile

®Chest handle, Edge handle

PROGRAM 1095

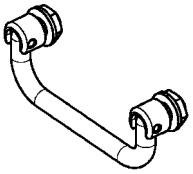
AISI INOX

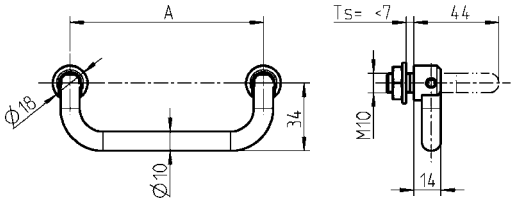


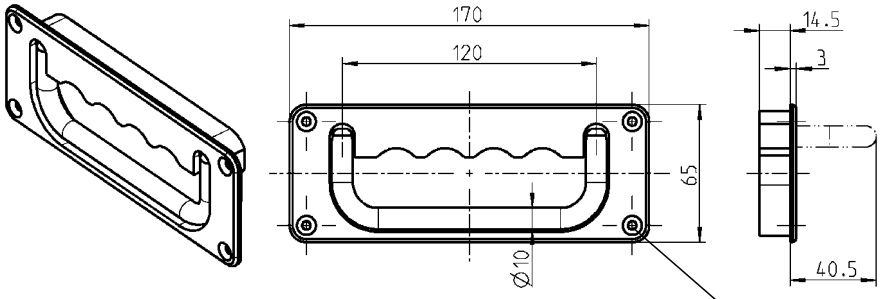


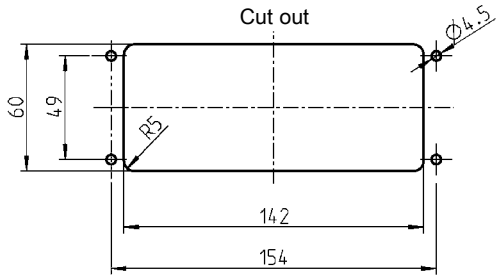
**** = on request**
– Handle length 100 instead of 120
– with spring return of the handle to the folded position

EDELSTAHL Rostfrei STAINLESS STEEL





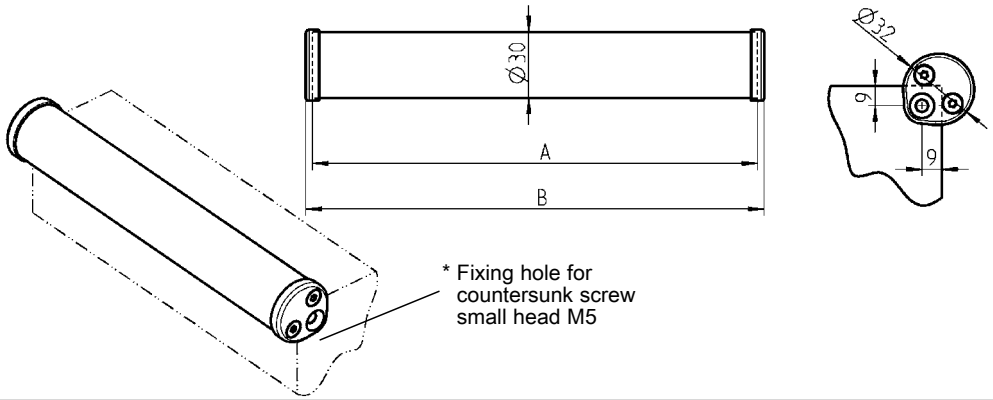




Chest handle m.s. chrome-plated or stainless steel AISI 303; fixing material AISI 303		
A	**m.s. chrome-plated**	**AISI 303**
100	1095-U32-100IA	1095-U32-100PF
120	1095-U32-120IA	1095-U32-120PF
180	1095-U32-180IA	1095-U32-180PF
Chest handle m.s. chrome-plated, grip shell zinc die black		
with locking mechanism of the handle in the folded and unfolded position		1095-U32-AA **



* Fixing material is not included in scope of delivery.



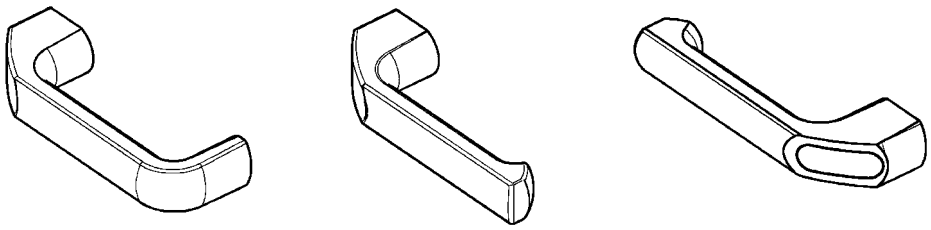
Edge handle aluminium profile black plastic-coated; end pieces zinc die black plastic-coated, screws m.s. black		
A	**B**	
100	106	1095-U33-100AA
200	206	1095-U33-200AA
300	306	1095-U33-300AA
400	406	1095-U33-400AA
500	506	1095-U33-500AA

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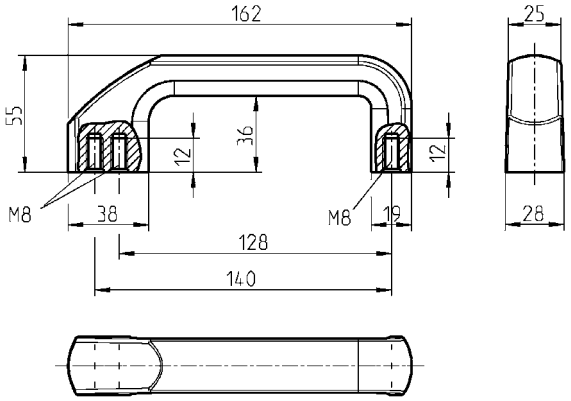
Items printed in gray without stock

Handle

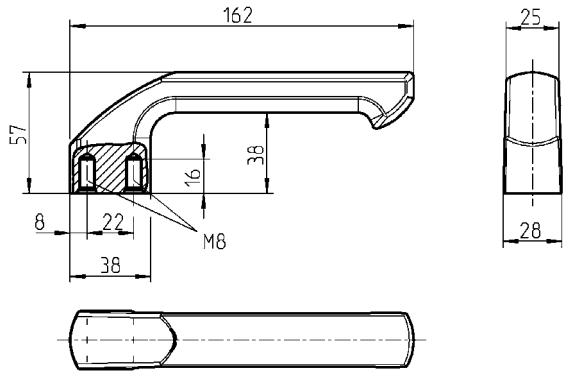
PROGRAM 1095



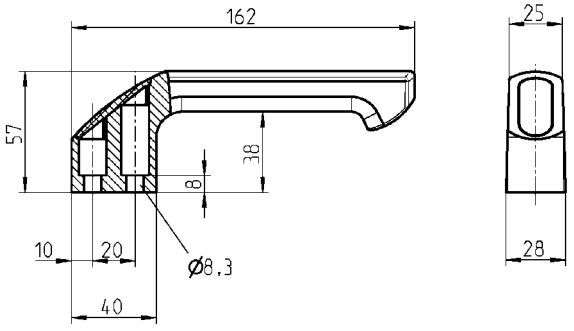
Version 1



Version 2



Version 3





Version 1



Version 2



Version 3

Handle aluminium black plastic-coated	
Version 1	
	1095-31-200AA
Version 2	
	1095-32-200AA
Version 3 with covering cap plastic black	
	1095-U37-AA

Fixing material is not included in scope of delivery.

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Notes:

Handles
Program 6040

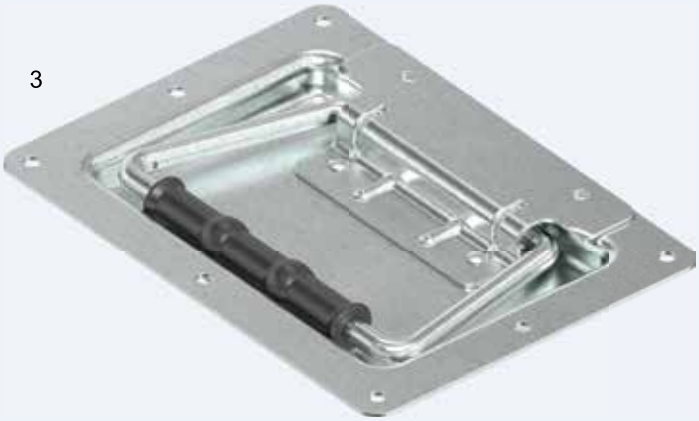
1



2



3



4



5



6



1	Chest handle	6B-120
2	Chest handle with leaf spring	6B-140
3	Chest handle with recessed piano wire torsion spring	6B-160
4	Chest handle with piano wire torsion spring	6B-180
5	Bow-type handle	6B-220
6	Chest handle	6B-240

Surface protection for steel parts: zinc-plated, thick-film passivated (DS) and Top Coat sealed.

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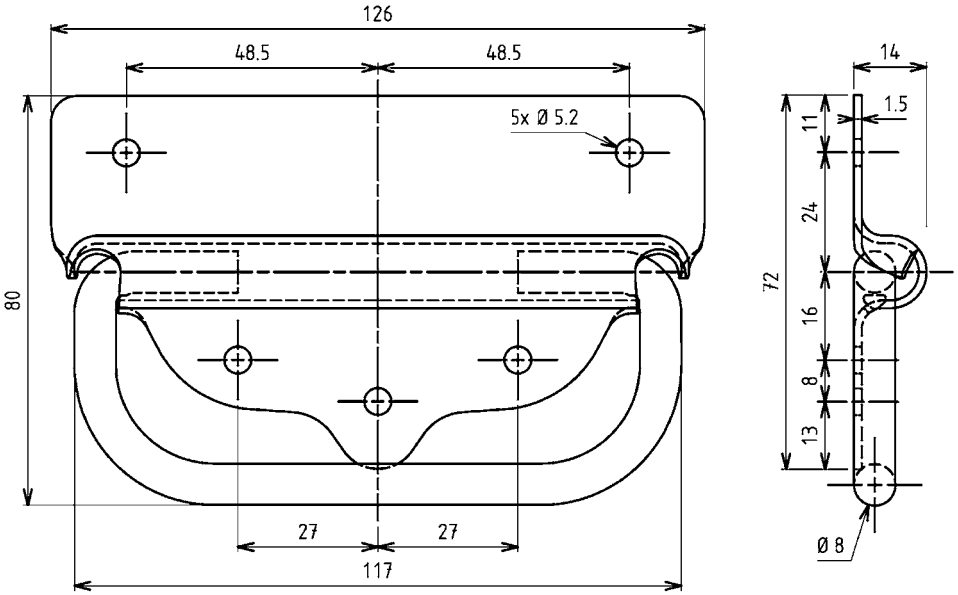
Handles

PROGRAM 6040

AISI INOX



Further parts see page
– Counterplate 6B-320



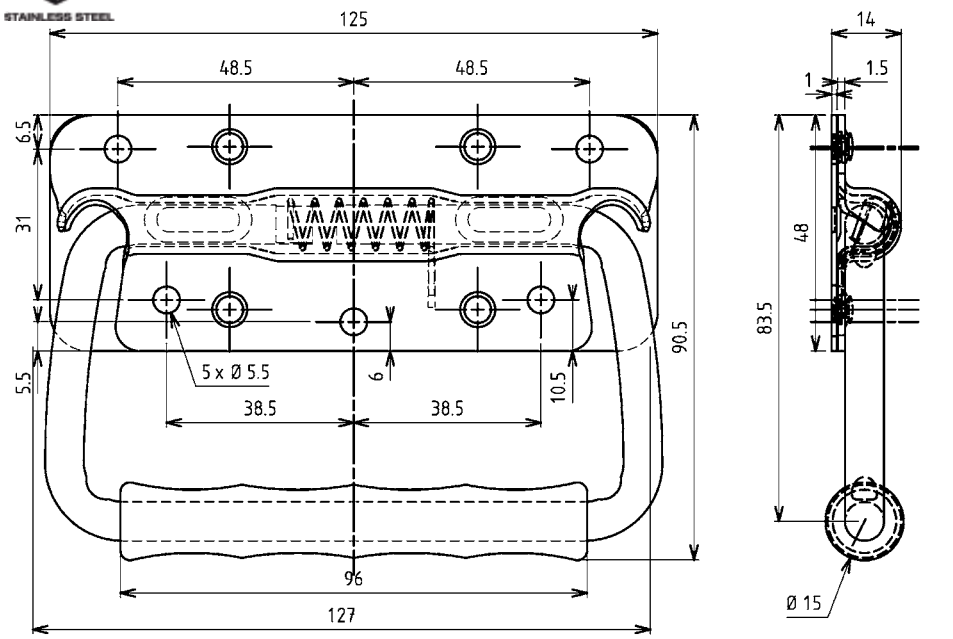
Chest handle	
	without piano wire torsion spring
m.s. raw, perforated	6040-U12-KA
m.s. raw, unperforated	6040-U12-01KA
m.s. zinc-plated DS plus Top Coat, perforated	6040-U12-JQ

EDELSTAHL Rostfrei STAINLESS STEEL

Depicted with piano wire torsion spring and counterplate



Further parts see page
– Counterplate 6B-320



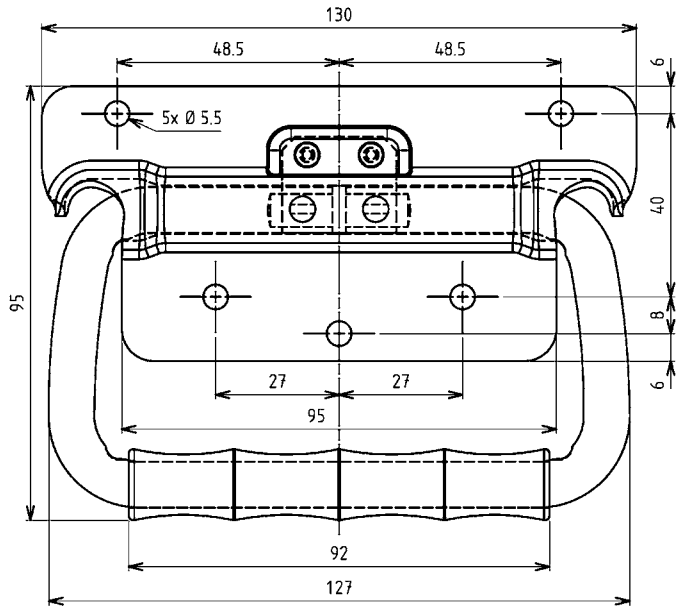
Chest handle		
	without piano wire torsion spring and counterplate	with piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U14-JQ	6040-U13-JQ
AISI 304, perforated	6040-U14-PC	6040-U13-PC

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Items printed in gray without stock

Handles

PROGRAM 6040



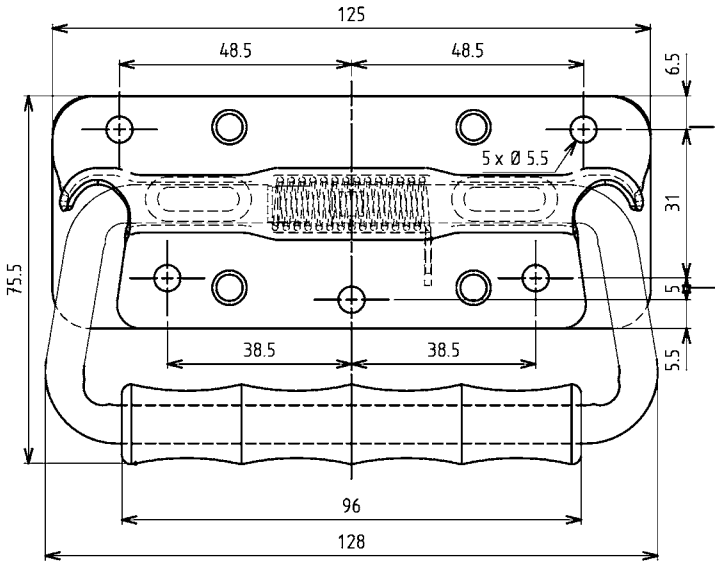
AISI INOX



Chest handle		
	without leaf spring	with leaf spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U24-JQ	6040-U23-JQ
AISI 304, perforated	6040-U24-PC	6040-U23-PC

Further parts see page
– Counterplate 6B-320

Depicted with piano wire torsion spring and counterplate





Chest handle		
	without piano wire torsion spring and counterplate	with piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U34-JQ	6040-U33-JQ
AISI 304, perforated	6040-U34-PC	6040-U33-PC

Further parts see page
– Counterplate 6B-320

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Items printed in gray without stock

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Beschlagteile

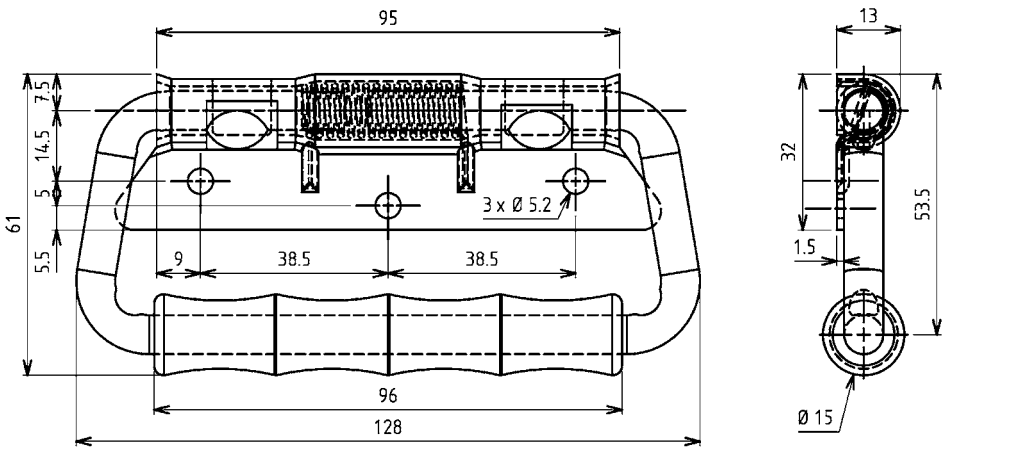
Handles

PROGRAM 6040

AISI INOX



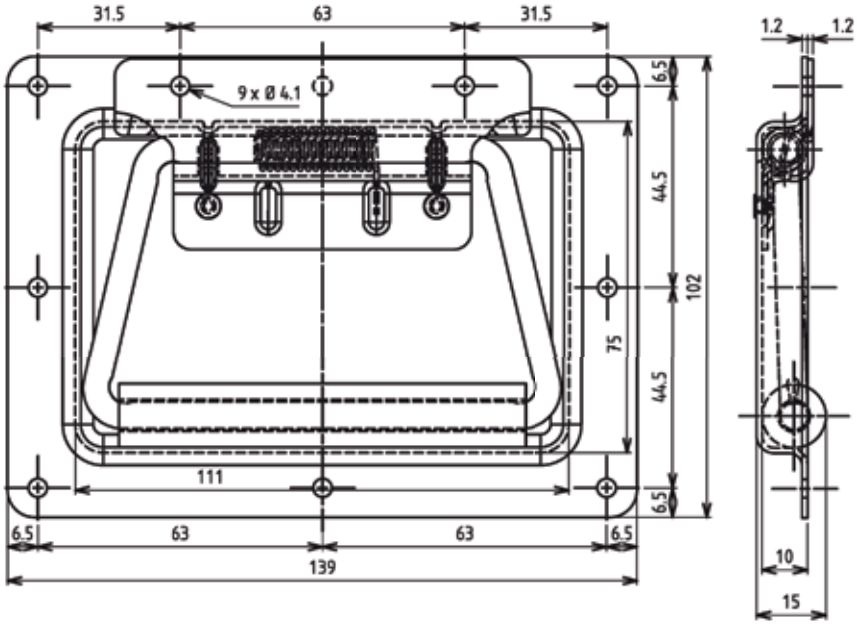
Further parts see page
– Counterplate 6B-320



Chest handle	
	with piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U35-JQ
AISI 304, perforated	6040-U35-PC

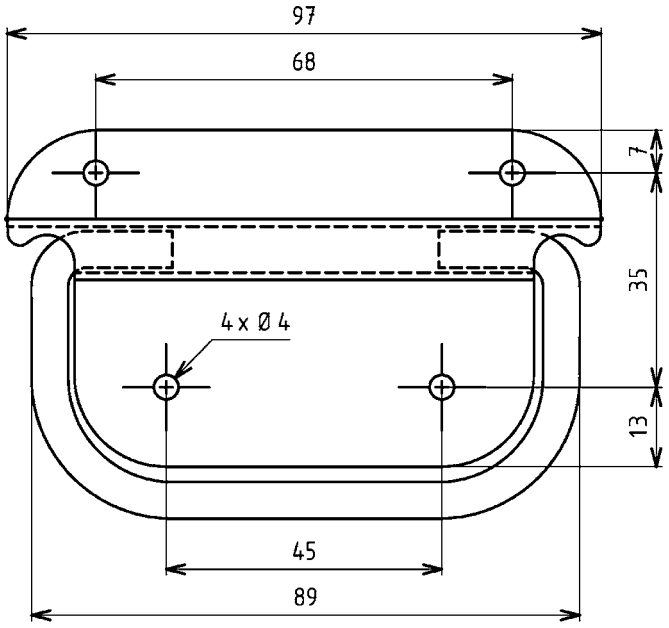






Recessed chest handle	
	with piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U41-JQ
AISI 304, perforated	6040-U41-PC

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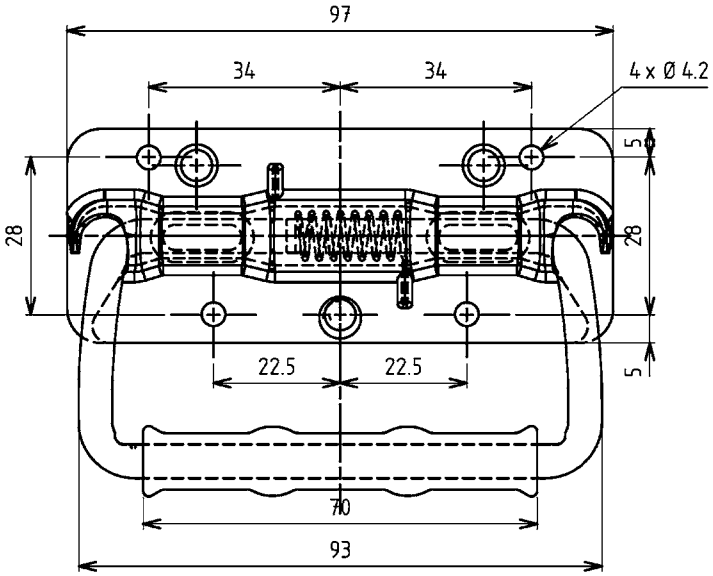
AISI INOX



Chest handle	
	without piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U46-JQ

Depicted with piano wire torsion spring and counterplate

EDELSTAHL Rostfrei STAINLESS STEEL





Chest handle		
	without piano wire torsion spring and counterplate	with piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U54-JQ	6040-U53-JQ
AISI 304, perforated	6040-U54-PC	6040-U53-PC

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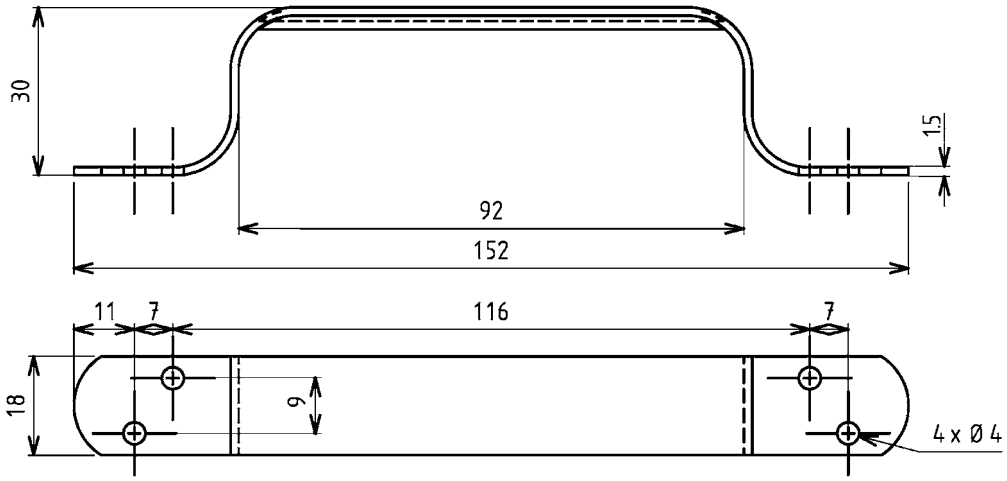
Handles

PROGRAM 6040

AISI INOX

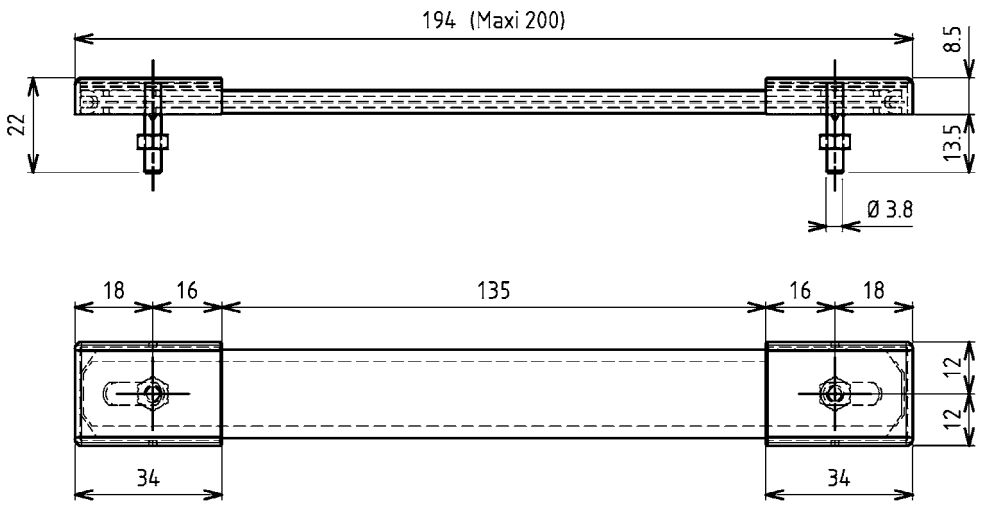
EDELSTAHL Rost frei STAINLESS STEEL





Bow-type handle	
m.s. raw, perforated	6040-15-KA
m.s. raw, unperforated	6040-15-01KA
m.s. zinc-plated DS plus Top Coat, perforated	6040-15-JQ
AISI 304, perforated	6040-15-PC





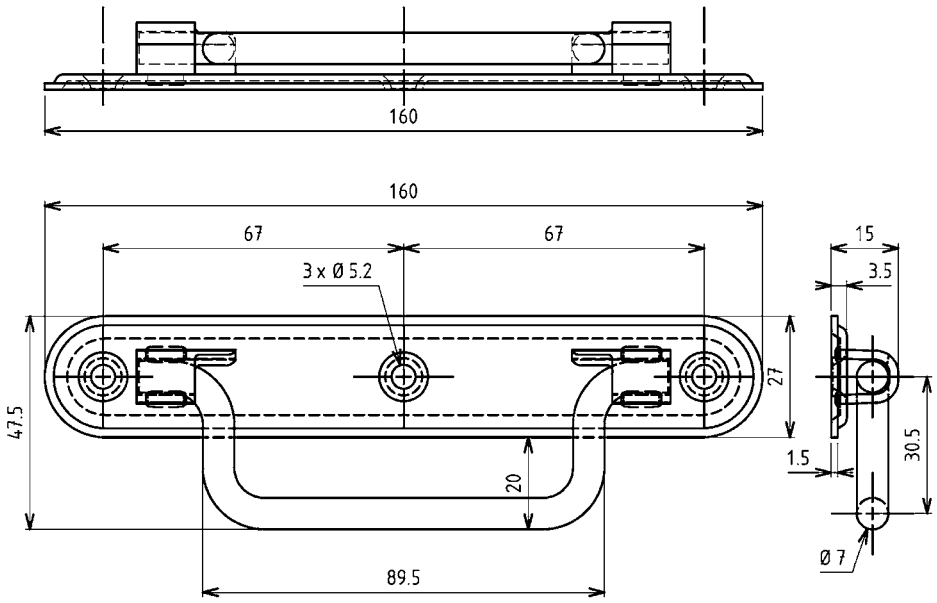
Case-handle	
m.s. nickel-plated, perforated	6040-U19-LA

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Items printed in gray without stock

Handle,
Slinging ring

PROGRAM 6040

AISI INOX



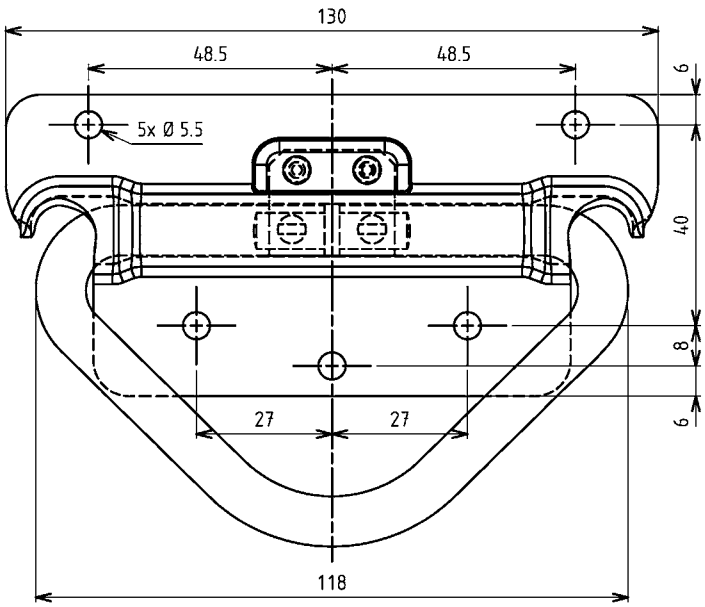


Chest handle

	without piano wire torsion spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U94-JQ

Further parts see page
– Counterplate 6B-320

EDELSTAHL Rostfrei STAINLESS STEEL





Slinging ring

	with leaf spring
m.s. zinc-plated DS plus Top Coat, perforated	6040-U80-JQ
AISI 304, perforated	6040-U80-PC

Further parts see page
– Counterplate 6B-320

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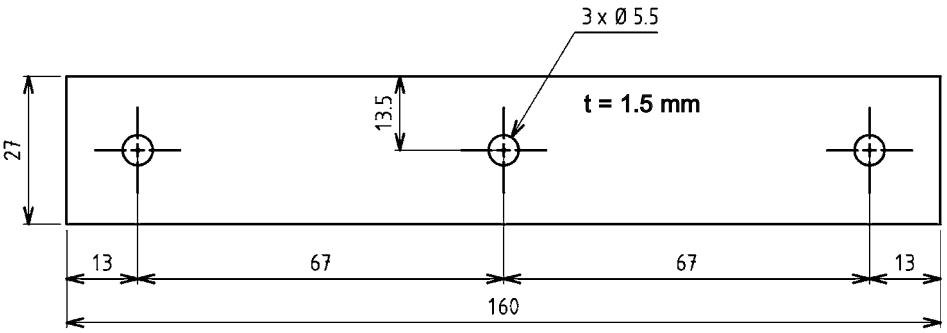
Items printed in gray without stock

Counterplate

PROGRAM 6040

AISI INOX

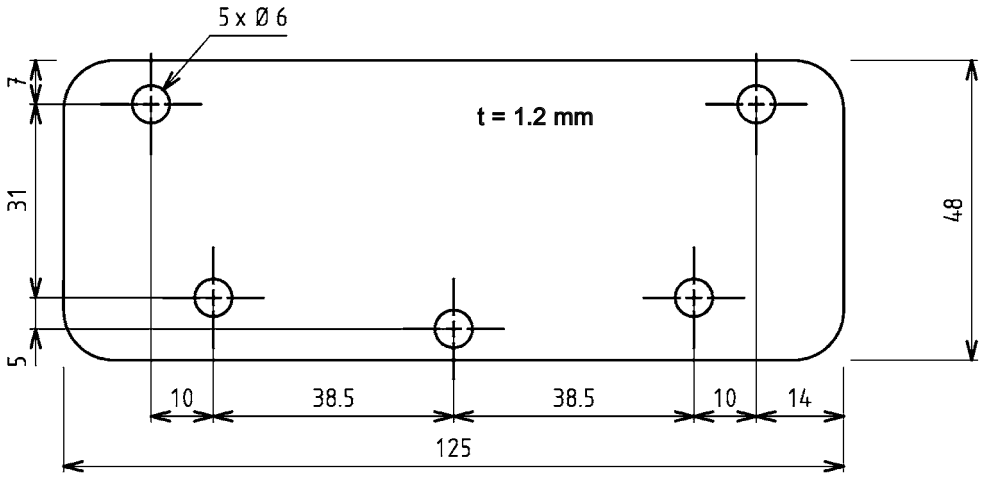




Further parts see page
– Chest handle 6B-240

Counterplate for handle	
m.s. zinc-plated DS plus Top Coat	6042-278-JQ

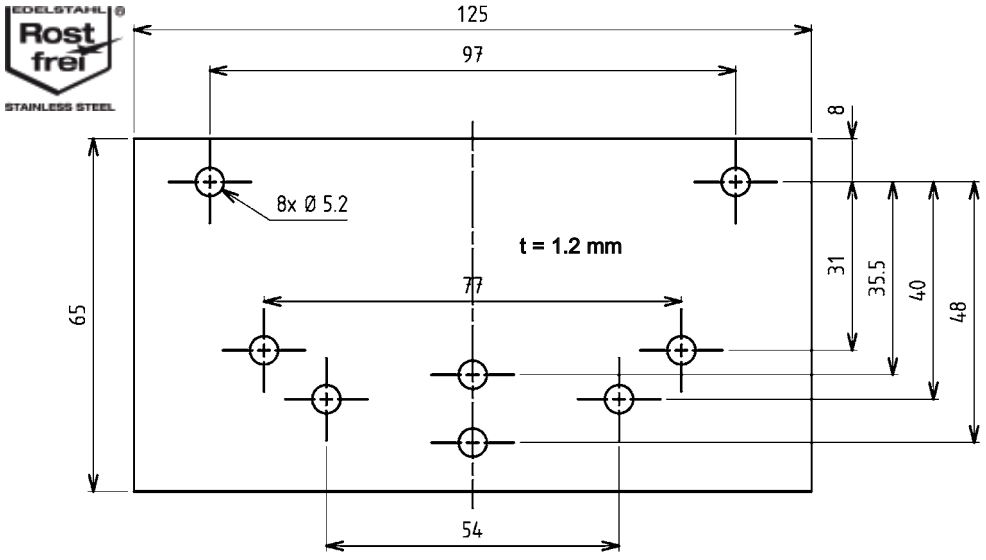




Further parts see page
– Chest handle 6B-120 to 6B-160

Counterplate for handle	
m.s. zinc-plated DS plus Top Coat	6042-63-JQ





Further parts see page
– Chest handle 6B-120
6B-140
6B-240

Counterplate for handle	
m.s. zinc-plated DS plus Top Coat	6042-69-JQ
AISI 304	6042-69-PC

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Items printed in gray without stock

Aluminium windows
Program 1200

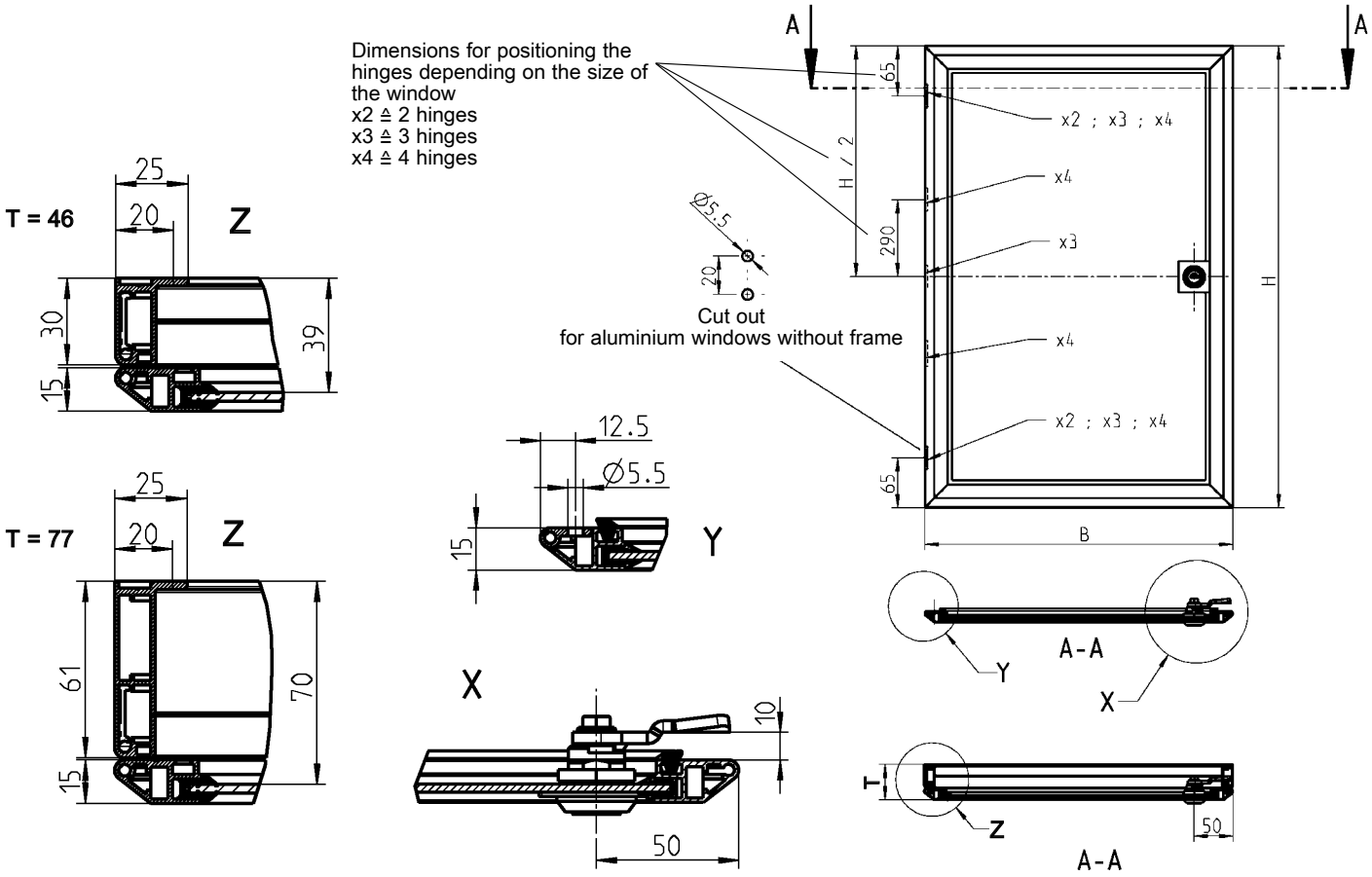


1	Aluminium windows without frame	7A-120
2	Aluminium windows with 30 mm frame	7A-120
3	Aluminium windows with 61 mm frame	7A-120

On request, assembly is carried out with gas springs

Aluminium windows

PROGRAM 1200



Aluminium windows with 30 mm frame



Version 0

Aluminium window with wing knob quarter turn on the side

T = 46





Version 1

Aluminium window with wing knob quarter turn front

T = 46





Version 2

Aluminium window with cylinder quarter turn front

T = 46



Aluminium windows with 61 mm frame



Version 3

Aluminium window with wing knob quarter turn on the side

T = 77





Version 4

Aluminium window with wing knob quarter turn front

T = 77





Version 5

Aluminium window with cylinder quarter turn front

T = 77



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Aluminium windows without frame



Version 6

Aluminium window with wing knob quarter turn front





Version 7

Aluminium window with cylinder quarter turn front

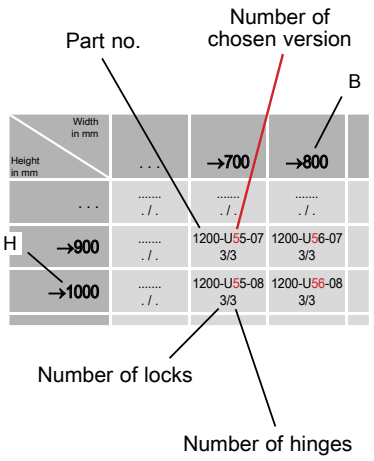


Aluminium window anodised; pane with seal

Lock of the types 0, 1, 3, 4, 6:
Wing knob quarter turn zinc die black powder-coated; round cylinder with stainless steel cap; keyed 2233X; one key per round cylinder of nickel-silver with grip polyamide black
Lock of the types 2, 5, 7:
Cylinder quarter turn zinc die black powder-coated; round cylinder with stainless steel cap and dust slider; keyed EK333; one key per round cylinder of nickel-silver with grip polyamide black

Complete the "?" with the "number" of the version of your choice

Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000
300←	1200-U?1-01 1/2	1200-U?2-01 1/2	1200-U?3-01 1/2	1200-U?4-01 1/2	1200-U?5-01 1/2			
→400	1200-U?1-02 1/2	1200-U?2-02 1/2	1200-U?3-02 1/2	1200-U?4-02 1/2	1200-U?5-02 1/2			
→500	1200-U?1-03 1/2	1200-U?2-03 1/2	1200-U?3-03 1/2	1200-U?4-03 1/2	1200-U?5-03 1/2			
→600	1200-U?1-04 1/2	1200-U?2-04 1/2	1200-U?3-04 1/2	1200-U?4-04 1/2	1200-U?5-04 2/2			
→700	1200-U?1-05 1/2	1200-U?2-05 1/2	1200-U?3-05 2/2	1200-U?4-05 2/2	1200-U?5-05 2/2	1200-U?6-05 2/2		
→800	1200-U?1-06 1/2	1200-U?2-06 1/2	1200-U?3-06 2/2	1200-U?4-06 2/2	1200-U?5-06 2/2	1200-U?6-06 2/2		
→900	1200-U?1-07 2/3	1200-U?2-07 2/3	1200-U?3-07 2/3	1200-U?4-07 2/3	1200-U?5-07 3/3	1200-U?6-07 3/3	1200-U?7-07 3/3	
→1000	1200-U?1-08 2/3	1200-?2-08 2/3	1200-U?3-08 2/3	1200-U?4-08 2/3	1200-U?5-08 3/3	1200-U?6-08 3/3	1200-U?7-08 3/3	1200-U?8-08 3/3
→1100		1200-U?2-09 2/3	1200-U?3-09 2/3	1200-U?4-09 2/3	1200-U?5-09 3/3	1200-U?6-09 3/3	1200-U?7-09 3/3	1200-U?8-09 3/3
→1200		1200-U?2-10 2/3	1200-U?3-10 2/3	1200-U?4-10 2/3	1200-U?5-10 3/3	1200-U?6-10 3/3	1200-U?7-10 3/3	1200-U?8-10 3/3
→1300			1200-U?3-11 3/3	1200-U?4-11 3/3	1200-U?5-11 3/3	1200-U?6-11 3/3	1200-U?7-11 3/3	1200-U?8-11 3/3
→1400			1200-U?3-12 3/3	1200-U?4-12 3/3	1200-U?5-12 3/3	1200-U?6-12 3/3	1200-U?7-12 3/3	1200-U?8-12 3/3
→1500			1200-U?3-13 3/3	1200-U?4-13 3/3	1200-U?5-13 3/3	1200-U?6-13 3/3	1200-U?7-13 3/3	1200-U?8-13 3/3
→1600			1200-U?3-14 3/3	1200-U?4-14 3/3	1200-U?5-14 3/3	1200-U?6-14 3/3	1200-U?7-14 3/3	1200-U?8-14 3/3
→1700				1200-U?4-15 3/4	1200-U?5-15 3/4	1200-U?6-15 3/4	1200-U?7-15 3/4	1200-U?8-15 3/4
→1800				1200-U?4-16 3/4	1200-U?5-16 3/4	1200-U?6-16 3/4	1200-U?7-16 3/4	1200-U?8-16 3/4
→1900					1200-U?5-17 3/4	1200-U?6-17 3/4	1200-U?7-17 3/4	1200-U?8-17 3/4
→2000					1200-U?5-18 3/4	1200-U?6-18 3/4	1200-U?7-18 3/4	1200-U?8-18 3/4



Opening angle:
without frame . . . . . 140°
with frame. . . . . 175°

Order example:
You need an aluminium window of version 5 with the dimensions B = 620 mm, H = 840 mm.
Please order:
1200-U55-07 620x840

Note:
The framed items are also available with safety glass or with aluminium composite panel.

Note:
For versions 0, 1, 3, 4 and 6, only one lock is lockable for larger aluminium windows with several locks.

Note:
For versions 2, 5 and 7, all locks are lockable for larger aluminium windows.

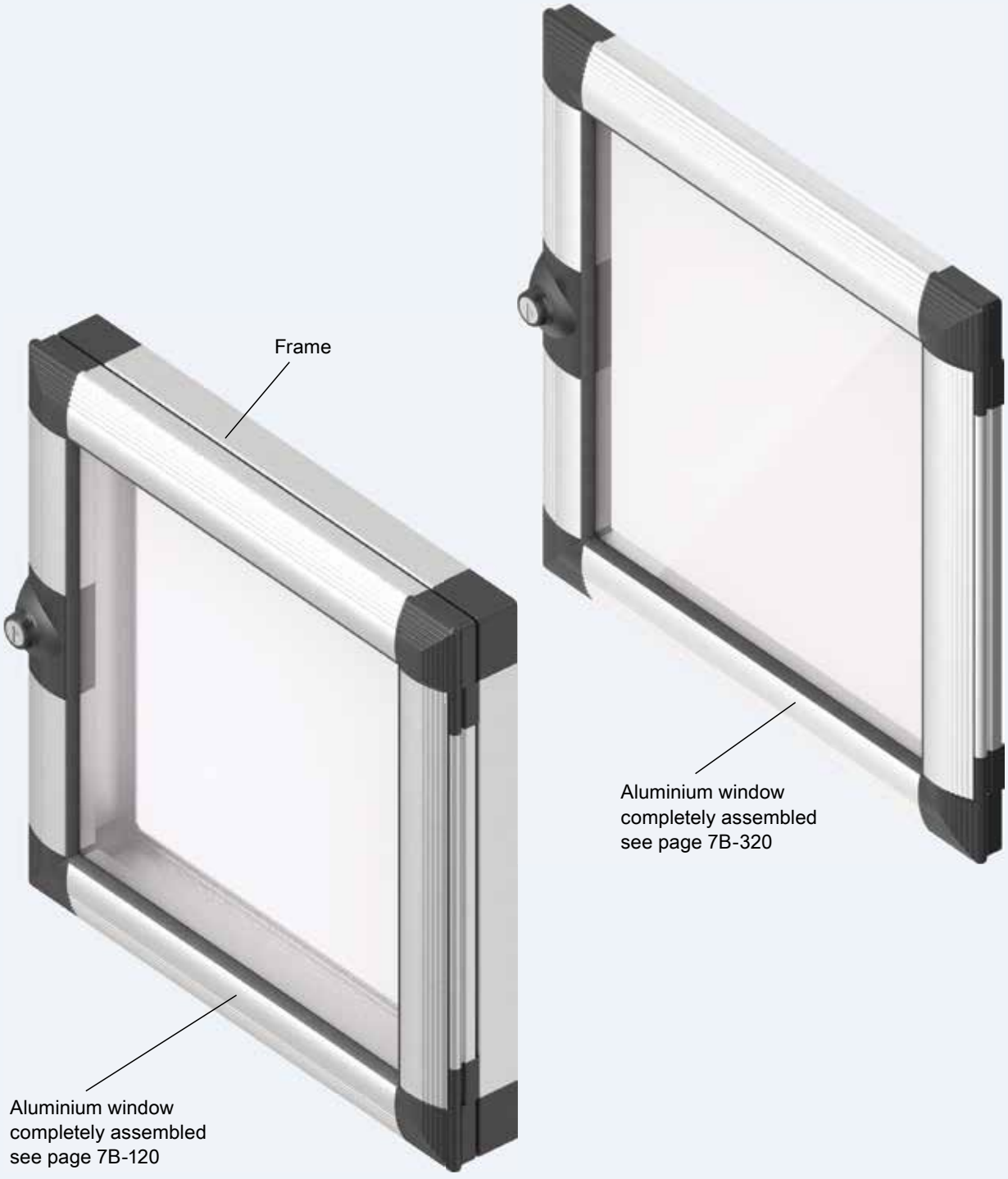
Keyed different on request.

For versions 0, 1, 3, 4 and 5, mounting with gas spring is possible.

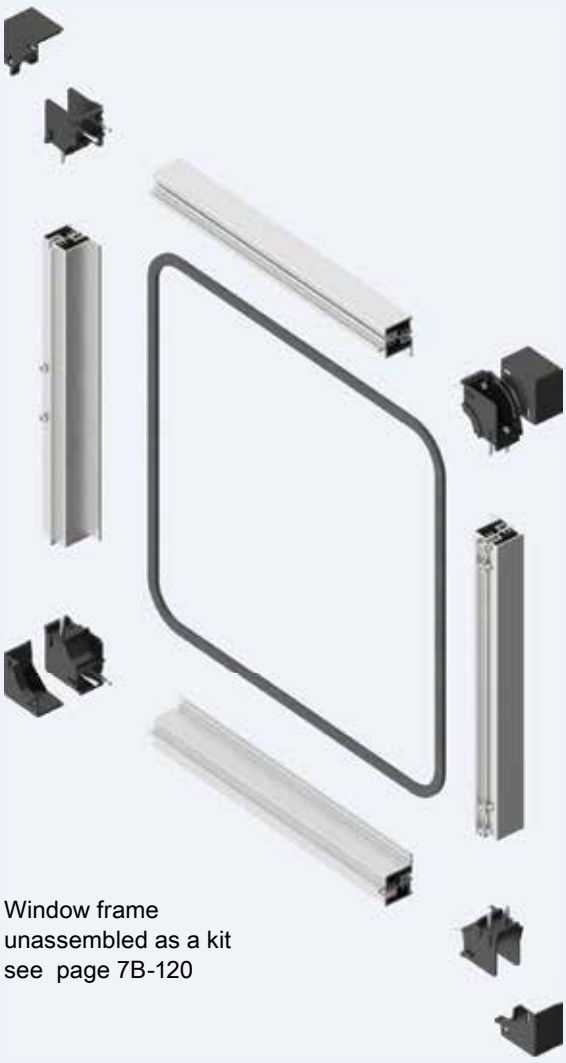
For versions 0, 1, 3, 4 and 5, frame with 114 mm is also available.

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EMKA PRO*flex*
Aluminium window - with or without a frame
Program 1210



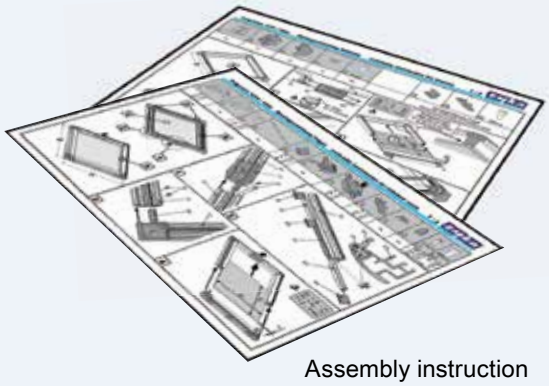
Aluminium window as a kit



Window frame
unassembled as a kit
see page 7B-120



Window
unassembled as a kit
see pages 7B-120, 7B-320



Assembly instruction

EMKA® Beschlagteile

Aluminium window with frame 1210

PROGRAM 1210 EMKA PROflex

Available fully assembled or as a kit



Opening angle 180°

Attention:
Please specify locking set separately!
(see page 7B-220)

Note:

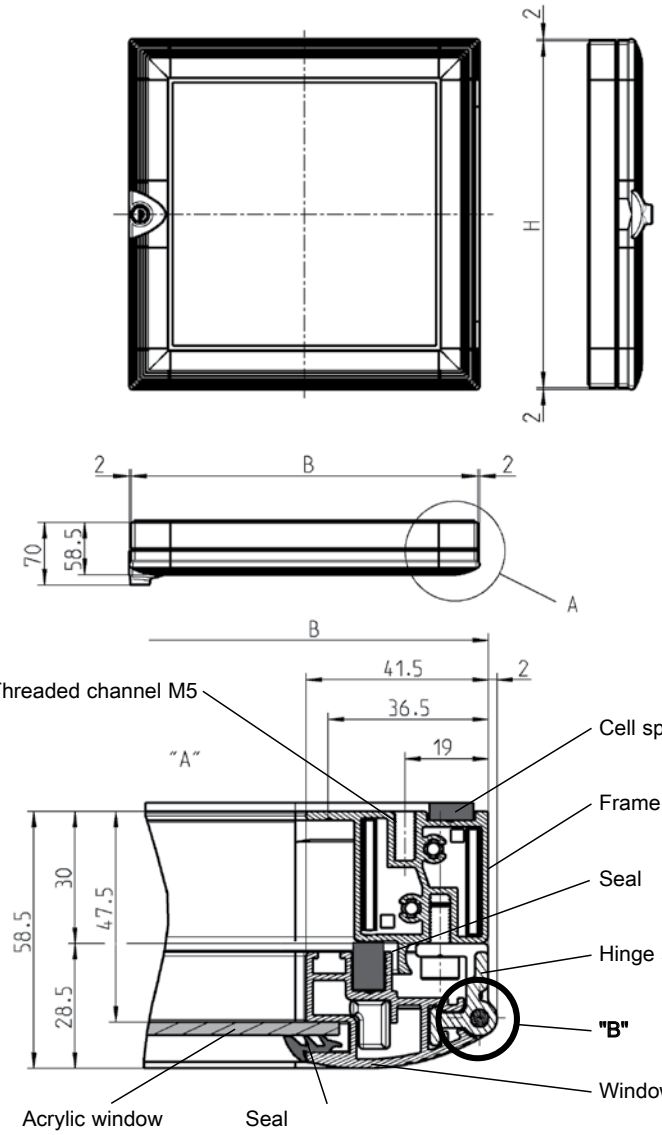
For mounting threaded channel M5 on the back of the frame. Alternative mounting option from the front.
(see page 7B-420)

Polycarbonate glass or safety glass on request.

Window sizes for applications with safety glass please see table on page 7B-520.

External dimensions of the aluminium window:
Height from 320 to 2000 mm
Width from 300 to 1000 mm
Height = Closure or hinge side

Rear panel 3.5 to 4 mm possible!
Mounting by simple plugging in. Rear panel size H minus 62 mm and W minus 62 mm.



Order example:

You need a aluminium window with the dimensions H = 750 mm and W = 520 mm.
Attention: Please note that at the handle edge 2 mm protrusion per side must be considered (see detail "B")!

Please order:

Version 1: **Aluminium window assembled**
1210-U (Height) - (Width) = 1210-U 750-520

Version 2: **Aluminium window unassembled as a kit**
1210-X (Height) - (Width) = 1210-X 750-520

Aluminium window anodized aluminium, corners and hinges zind die black powder-coated, caps polyamide black, shaft stainless steel, screws m.s. zinc-plated, acrylic glass 3 mm, with seal and lock (specify locking type separately)	
Aluminium window assembled, with acrylic glass	1210-U ..... - ..... (see order example)
Aluminium window unassembled as a kit, without acrylic glass, ready made with assembly instruction (Calculation of the 3 mm acrylic glass: H minus 65 mm or W minus 65 mm)	1210-X ..... - ..... (see order example)

Further parts see page
– Lock 7B-220
Dimensions for mounting see page **7B-420**
Further ordering details see page **7B-520**

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Aluminium window: Lock 1215

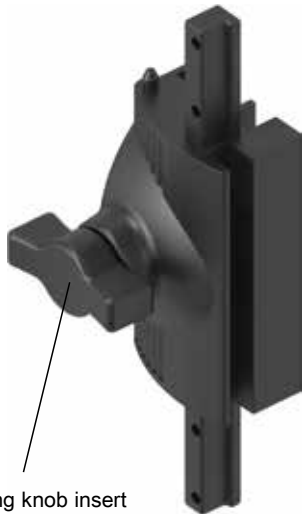
PROGRAM 1210 EMKA PROflex



Round cylinder



Insert



Wing knob insert

Conversion notice:

from right to left

1st step
Remove round cylinder (see pic.), rotate 180° and re-assemble.

2nd step
Fit complete lock into left-hand version.



Righ-hand version



Left-hand version

Ordering note:

Please only order ONE kind of lock:
The number of locks (1-3) depends on the size of the window!



The locks are designed for a right-hinged aluminium window!

Left-hinged version of lock with round cylinder see conversion note!

Note:
Please order aluminium window separately!

Lock for aluminium window zinc die black powder-coated, round cylinder with stainless steel cap and dust cap or insert zinc die black powder-coated, cam zinc die raw, catch zinc die black powder-coated, screws m.s. zinc-plated. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1215-U1
keyed different	1215-U1-V
Inserts	
Square 6	1215-U2-U322
Square 7	1215-U2-U323
Square 8	1215-U2-U324
Triangular 7	1215-U2-U325
Triangular 8	1215-U2-U326
Double bit 3	1215-U2-U327
Double bit 5	1215-U2-U328
Slot 2 x 4	1215-U2-U329
Slot 2 x 4 coinproof	1215-U2-U739
Wing knob insert	1215-U2-U78

Further parts see page
– Aluminium windows 7B-120
– Aluminium window without frame 7B-320
Further ordering details see page **7B-520**

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Items printed in gray without stock

EMKA® Beschlagteile

Aluminium window without frame 1220

PROGRAM 1210 EMKA PROflex

Available fully assembled or as a kit



Opening angle 180°

Attention:
Please specify locking set separately!
(see page 7B-220)

Note:

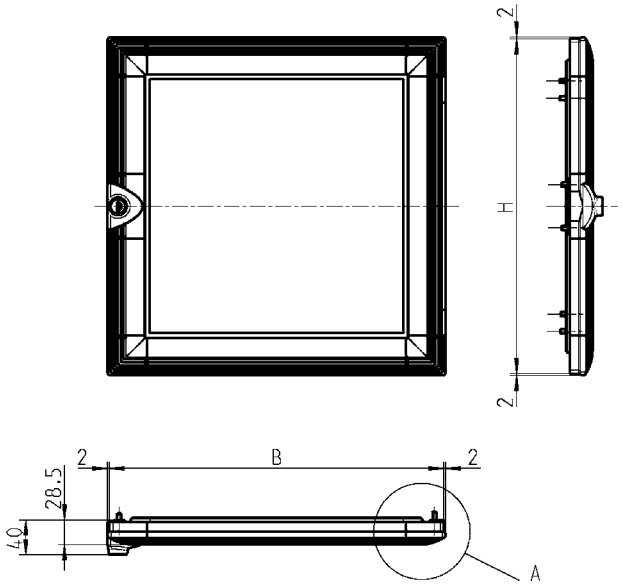
For mounting options, see page 7B-420.

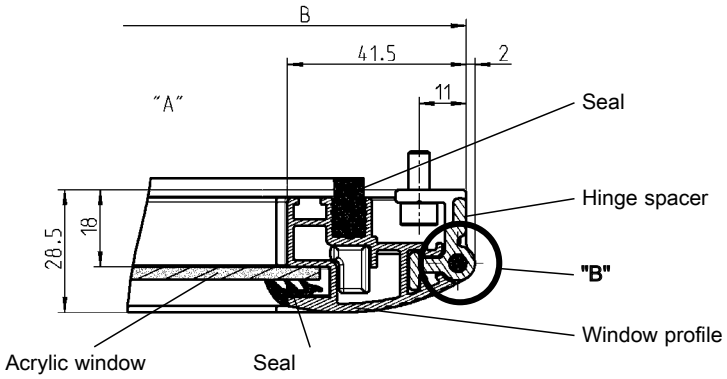
Polycarbonate glass or safety glass on request.

Window sizes for applications with safety glass please see table on page 7B-520.

External dimensions of the window:
Height from 320 to 2000 mm
Width from 300 to 1000 mm
Height = Closure or hinge side

A frame as shown on page 7B-120 can be retrofitted at any time!





Order example:

You need a window with dimensions H = 750 mm and W = 520 mm.
Attention: Please note that 2 mm protrusion per side must be taken into account at the handle edge (see detail "B")!

Please order:

Version 1: **Window without frame completely assembled**
1220-U (Height) - (Width) = 1220-U 750-520

Version 2: **Window unassembled as a kit**
1220-X (Height) - (Width) = 1220-X 750-520

Aluminium window without frame aluminium anodized, corners and hinges zind die black powder-coated, shaft stainless steel, screws m.s. zinc-plated, acrylic glass 3 mm, with seal and lock (specify locking type separately)	
Aluminium window assembled, incl. acrylic glass	1220-U ..... - ..... (see order example)
Aluminium window as a kit without acrylic glass, ready made with assembly instruction (Calculation of the 3 mm acrylic glass: H minus 65 mm or W minus 65 mm).	1220-X ..... - ..... (see order example)

Further parts see page
– Lock 7B-220
Dimensions for mounting
see page 7B-420
Further ordering details
see page 7B-520

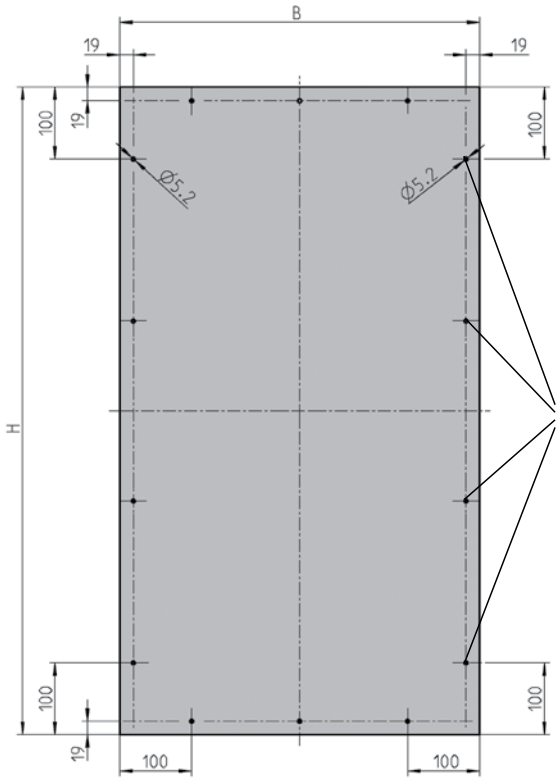
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Fixing details for window 1210 and 1220

PROGRAM 1210 EMKA PROflex

Fixing recommendation for window 1210: Mounting from rear

More fixing points depending on size of window and according to client requests.

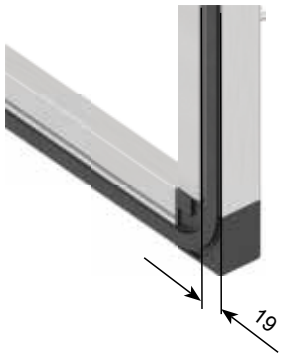


Distance to the next bore hole approx. every 250 mm in the M5 threaded channel

Attention: max. screw of torque in threaded channel is 3 Nm

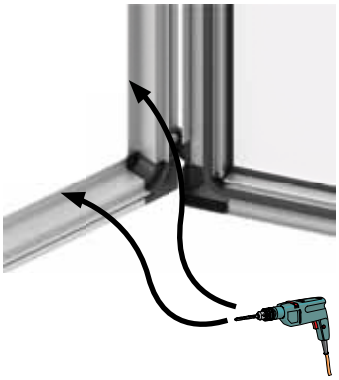
Fixing points window rear side

Mounting from rear



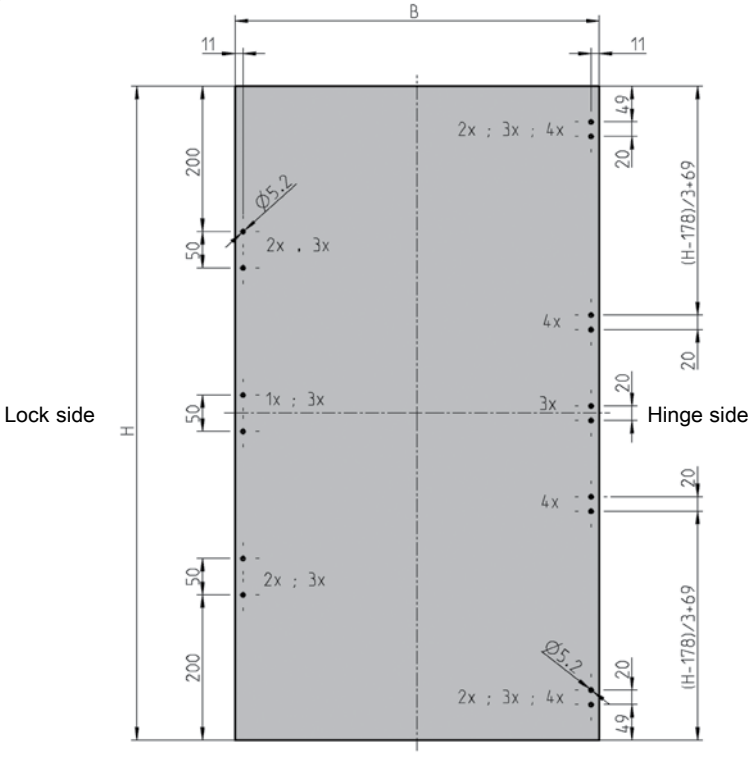
See fixing specification

Mounting from front



Fixing according to customer's choice

Fixing details for window 1220:
Mounting from front to back



Fixing points window rear side

Note:

Fixing point specifications 2x, 3x, 4x refer to the number of hinges and locks.

Further parts see page
– Aluminium windows 7B-120
– Aluminium window without frame 7B-320

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®Aluminium window 1210, Aluminium window without frame 1220

PROGRAM 1210 EMKA PROflex



Order example:

You need a fully assembled window with the dimensions H = 750 mm and W = 520 mm as well as the lock type "insert double bit 3 mm".

Please order:

One aluminium window 1210-U (height) - (width) = 1210-U 750-520 + 1215-U2-U327

Number of locks and hinges:
The number is determined by the selected dimensions. To determine the number please round the dimensions up to the nearest hundred mm value. The table shown indicates the corresponding quantities.
The same system is used in the price list.

Explanations for the specification of locks and hinges

Example aluminium window:
Part number 1210-U 750-520 => 800-600 => 1 lock and 2 hinges

Example aluminium window without frame:
Part number 1220-U 750-520 => 800-600 => 1 lock and 2 hinges

Height in mm \ Width in mm	300 →400	→500	→600	→700	....
320 →400	1/2	1/2	1/2	1/2	....
→500	1/2	1/2	1/2	1/2	....
→600	1/2	1/2	1/2	1/2	....
→700	1/2	1/2	1/2	1/2	....
→800	1/2	1/2	1/2	1/2	....
....	....	....	....	....	....

Number of locks — Number of hinges

Note:

Aluminium window 1210
On request, assembly is carried out with gas springs.

The framed articles are available with safety glass.

Height in mm \ Width in mm	300 →400	→500	→600	→700	→800	→900	→1000	
320 →400	1/2	1/2	1/2	1/2	req.	req.	req.	
→500	1/2	1/2	1/2	1/2	req.	req.	req.	
→600	1/2	1/2	1/2	1/2	req.	req.	req.	
→700	1/2	1/2	1/2	1/2	1/2	req.	req.	
→800	1/2	1/2	1/2	1/2	1/2	req.	req.	
→900	2/3	2/3	2/3	2/3	2/3	2/3	req.	
→1000	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1100	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1200	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1300	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1400	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1600	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1700	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1800	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1900	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→2000	3/4	3/4	3/4	3/4	3/4	3/4	3/4	

Further parts see page

– Aluminium windows 7B-120
– Lock 7B-220
– Aluminium window without frame 7B-320

req. = on request

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Complete door
Program 1300

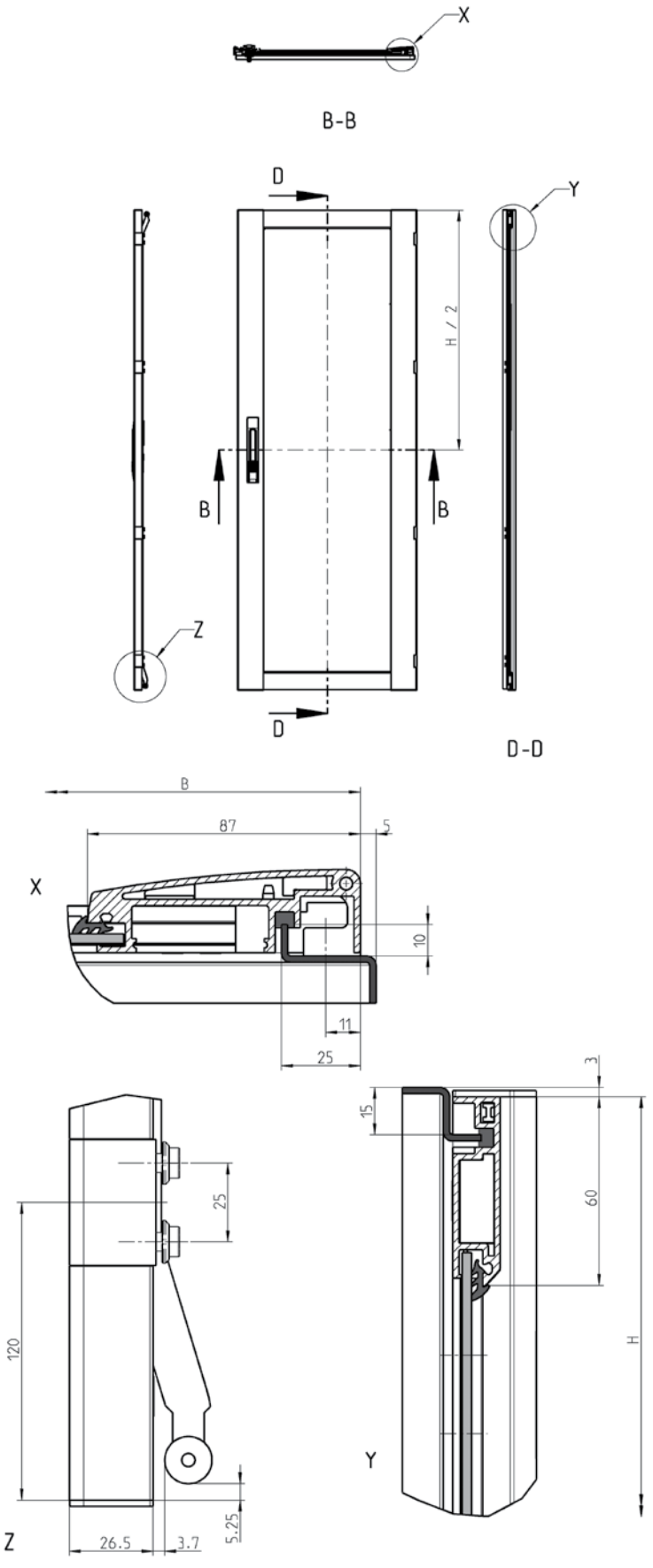


EMKA®
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Complete door

PROGRAM 1300





External dimensions of the complete door:
Height from 400 to 2000
Width from 400 to 1000

Opening angle 180°
for single cabinets.

Opening angle < 120°
for in-line cabinets.

Further parts see page

– Locking set	3XA-120 3XA-240

Complete door anodized aluminium, acrylic glass, swinghandle 1180 polyamide black, hinge and corner bracket zinc die black powder-coated, cam and rods m.s. zinc-plated, with seal

1300-U1-BxH

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Locks / Latches
Chest handle, Dead-bolt lock, Slam-lock, Snap lock, Bridge clamp, Heavy duty latch


1


1


2


2


3


4


4


5


5


6


7

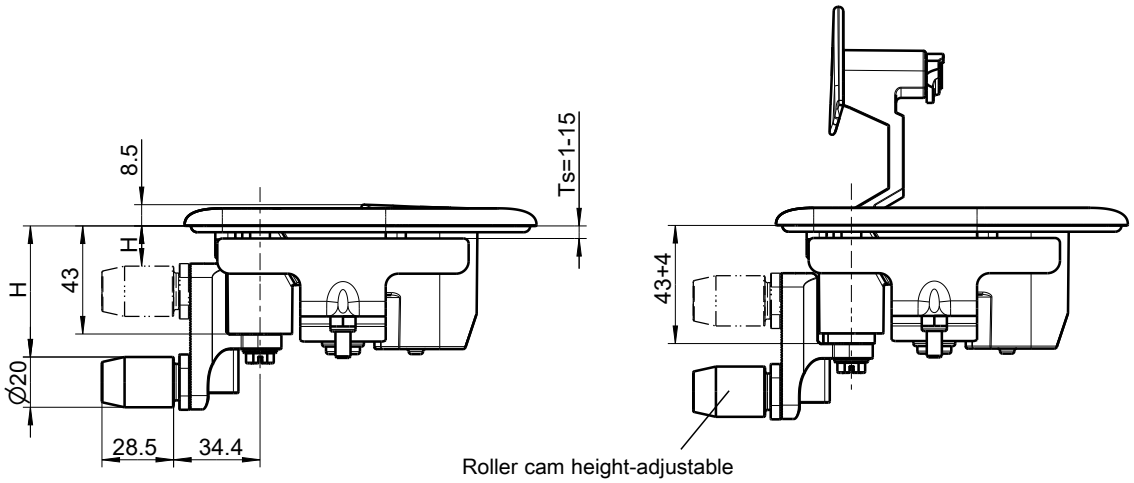

8

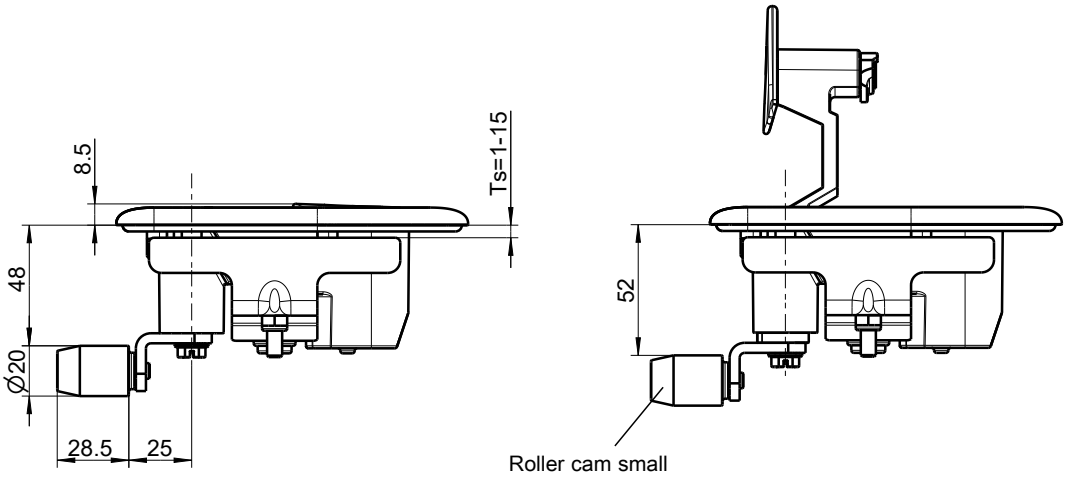

9

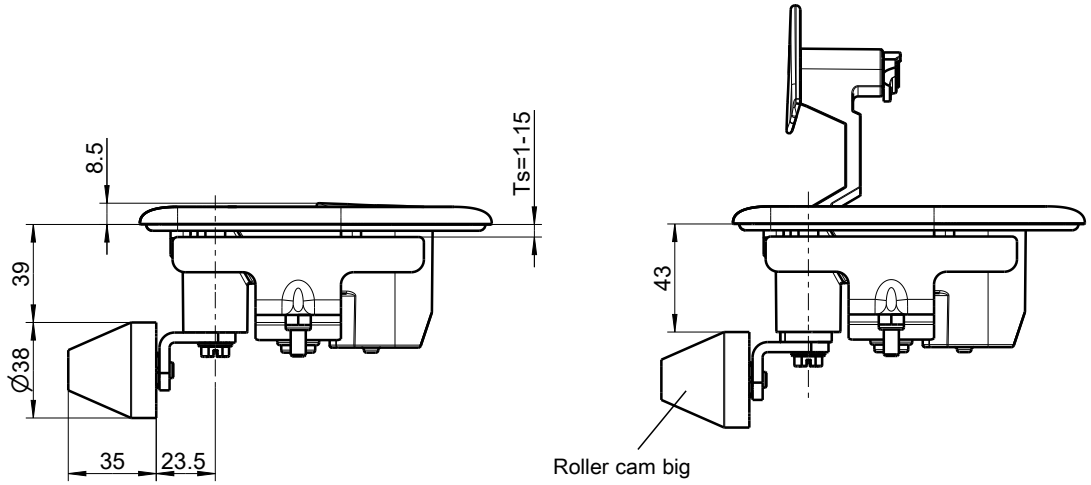
1	Chest handle	8A-110 to 8A-160
2	Door lock	8A-220 to 8A-240
3	Bridge clamp	8A-620
4	Snap lock	8A-240, 8A-420
5	Slam-lock	8A-320, 8A-340
6	Side panel latch	8A-440
7	Slam-lock	8A-320
8	Dead-bolt lock	8A-520
9	Heavy duty latch	8A-820 to 8A-860

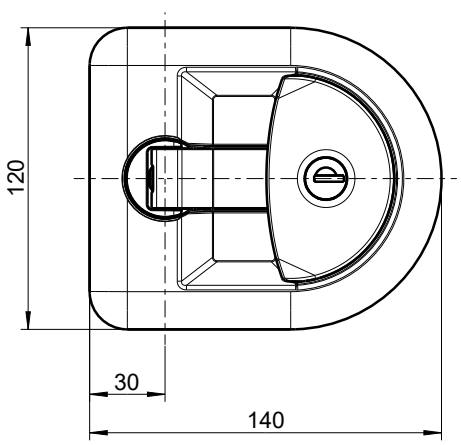
Chest handle

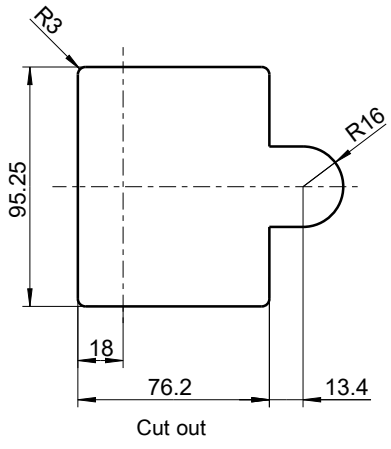
PROGRAM 1130











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Handle shell and sliding sleeve polyamide GF black; handle zinc die chrome-plated; hinge pin zinc die zinc-plated; hook polyamide 66 GF 50 black; round cylinder with stainless steel cap and dust protection; holding sheet, pin, screws and nuts m.s. zinc-plated, with spring. Each round cylinder has one silver steel key with grip polyamide GF black	
keyed EK 333	1130-U15
keyed different	on request
Roller cam height-adjustable Roller polyamide GF black, cam for roller and spacer zinc die zinc-plated, square nut and screw m.s. zinc-plated	
H = 16 - 52 mm	1130-U16

Further parts see page
– Roller cam small and large
Special catalogue HVACR
– Spare key 8B-140

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EMKA® Beschlagteile

Chest handle

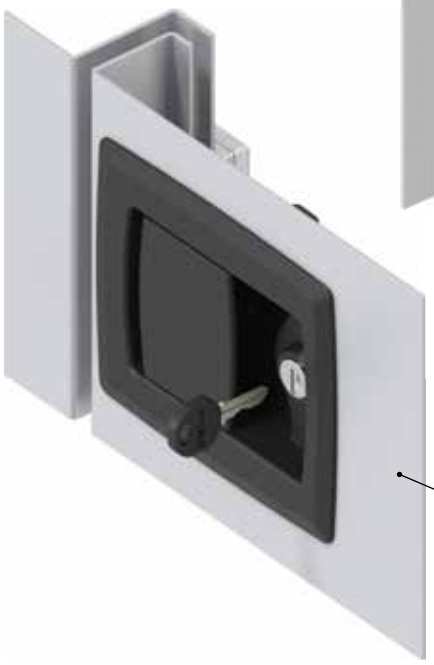
PROGRAM 1130







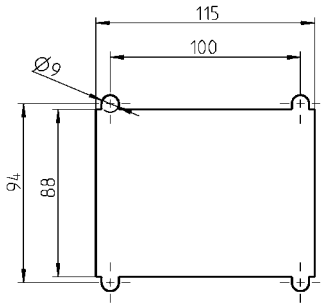
Locking bracket 9 mm adjustable



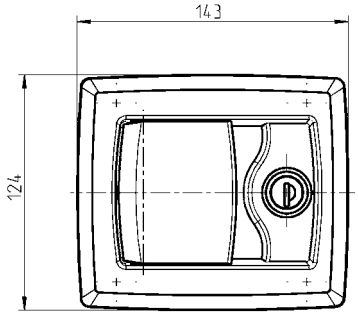
The minimum door width is 500 mm

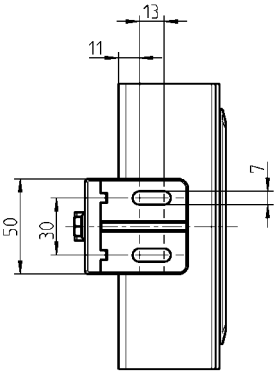
Note:
The chest handles 1130-U1 and -U2 are made for right-hand version.

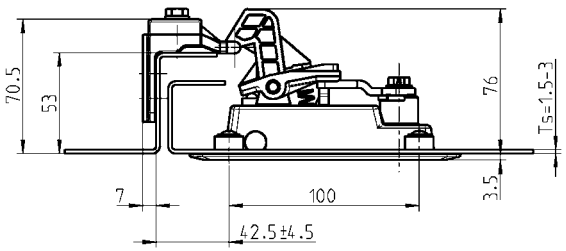
Left-hand version is created by removal of the round cylinder, rotating it by 180° and refitting it.



Cut out







Function:
The spring-loaded locking hook is equipped with a 'door-slam' feature.
With this, the door can also be closed when locked.

Chest handle polyamide GF black,
rocker lever, locking bracket and locking angle zinc die zinc-plated,
round cylinder zinc die with stainless steel cap and dust protection,
springs stainless steel, cam and fixing material zinc die zinc-plated, with seal.
Each round cylinder has one silver steel key with grip polyamide GF black.

keyed EK 333	1130-U1
keyed different	1130-U2

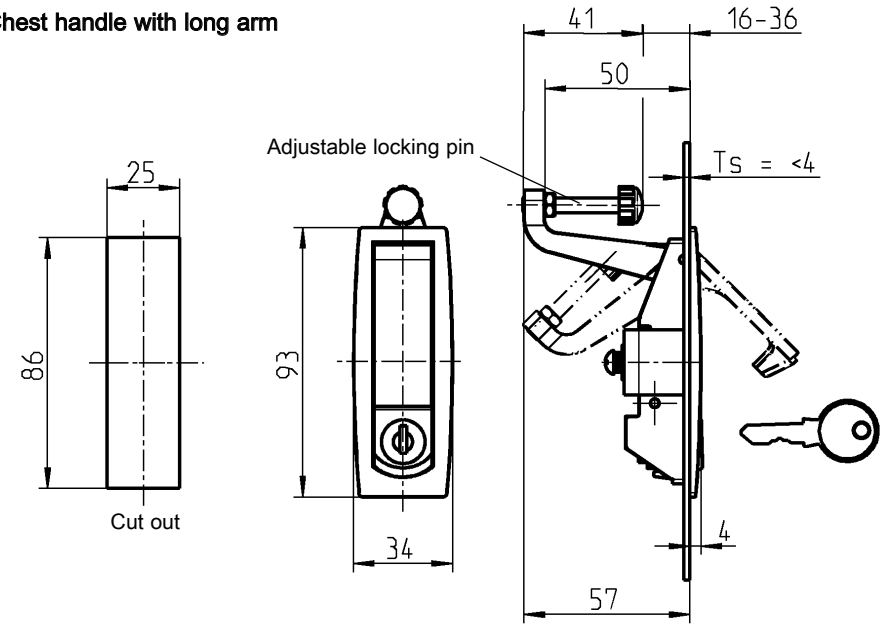
Further parts see page
– Spare key 8B-140

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Chest handle

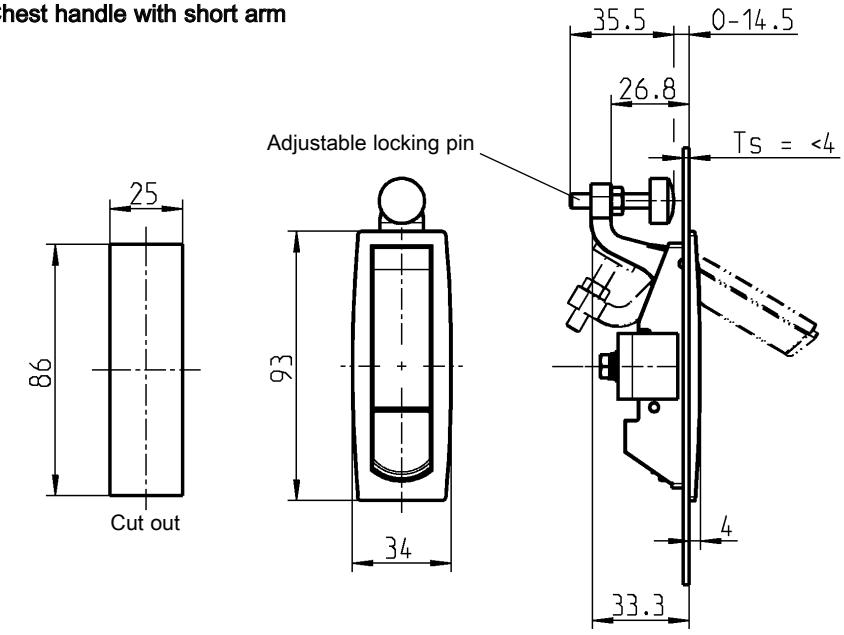
PROGRAM 1130

Chest handle with long arm





Chest handle with short arm





Chest handle zinc die black powder-coated, locking pin m.s. zinc-plated / TPE-V, fixing material m.s. zinc-plated. Each round cylinder has one key of m.s. nickel-plated.	
Chest handle with long arm	
keyed EK 333	on request
blank	1130-U9
Chest handle with short arm	
keyed EK 333	on request
blank	1130-U13

Further parts see page
– Spare key 8B-140

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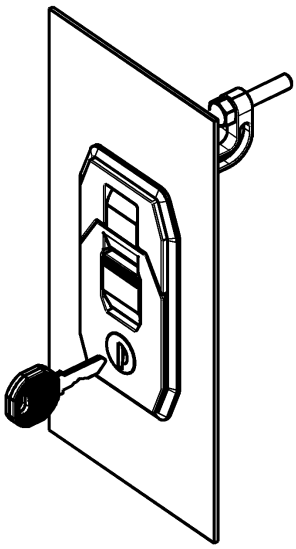
Items printed in gray without stock

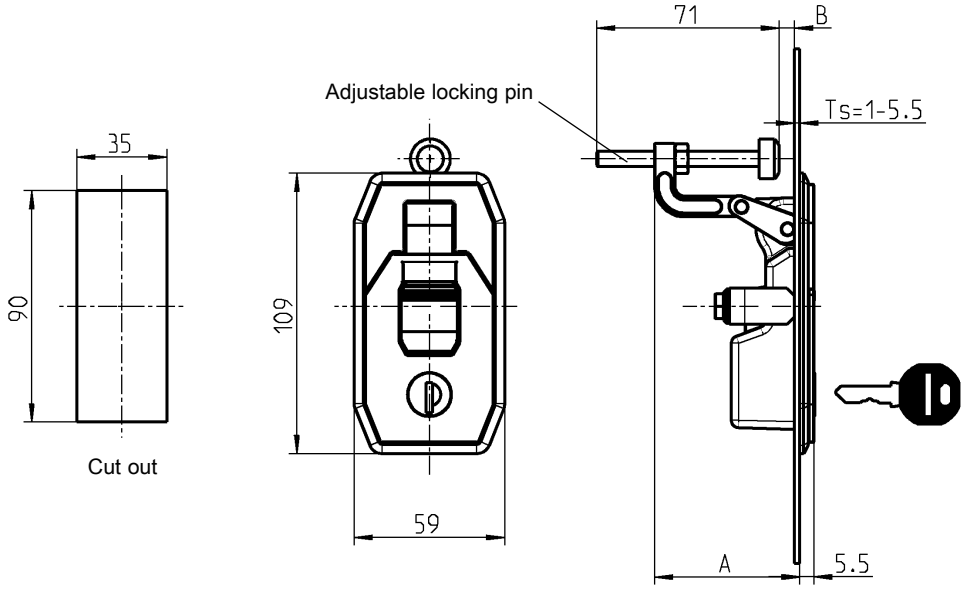
EMKA® Beschlagteile

Chest handle

PROGRAM 1130







**Chest handle zinc die black powder-coated,
locking pin m.s. zinc-plated / TPE-V,
fixing material m.s. zinc-plated,
round cylinder with stainless steel cap and dust protection, with seal.
Each cylinder has one silver steel key with grip polyamide GF black.**

A = 57, keyed EK 333	1130-U7
A = 57, keyed different	1130-U7-V
A = 71, keyed EK 333	1130-U7-01
A = 71, keyed different	1130-U7-01V

Chest handle with other lever arm on request

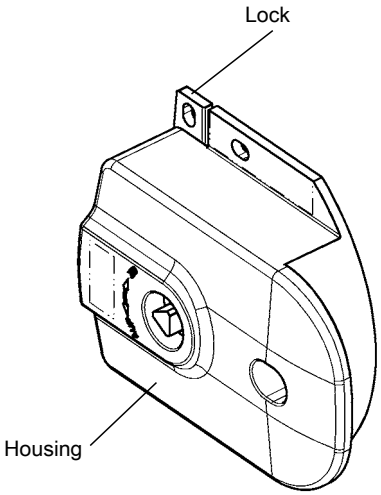
Further parts see page
– Spare key 8B-140

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Items printed in gray without stock

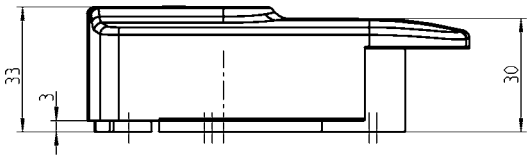
Prominent door lock

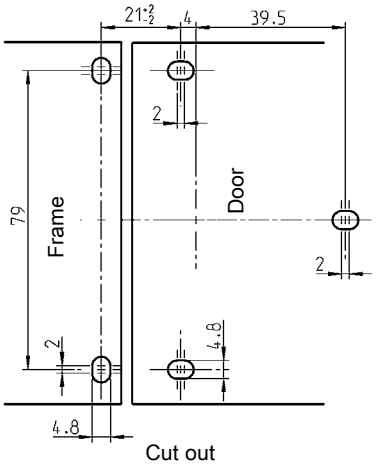
PROGRAM 1000

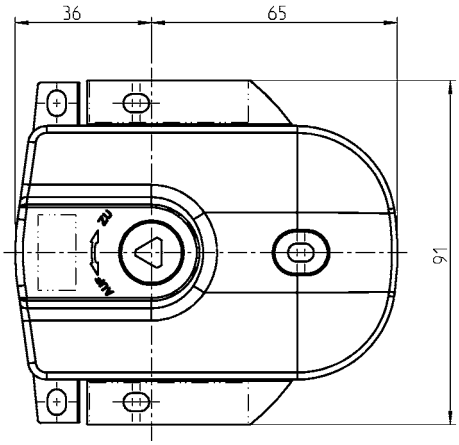












Attention:
Insert not in included in scope of delivery

Suitable lockable or non lockable T-handles and L-handles on request!

Further parts see page

– Insert	1B-140
– Key	8B-120

Housing and lock zinc die black powder-coated, stepped cam zinc die raw	
for insert	1000-U778

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EMKA® Beschlagteile

Prominent door lock

PROGRAM 1000

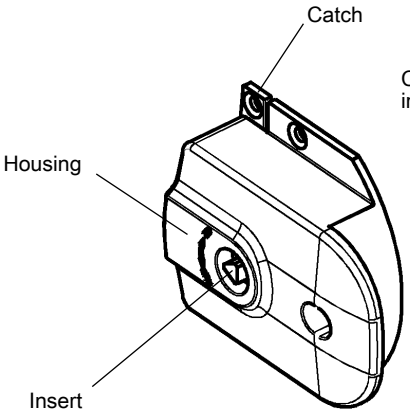




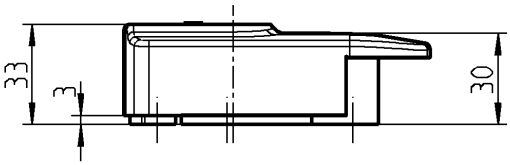


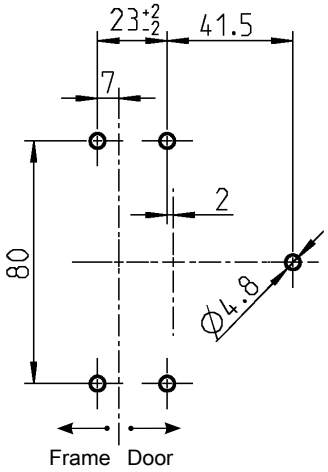


Catch

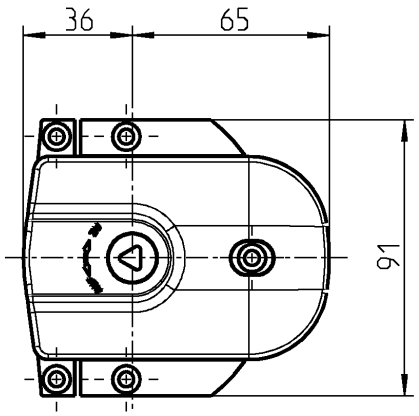








Cut out



Attention:
Insert not in included in scope of delivery

Catch to be ordered separately

Further parts see page
– Door lock with inside handle or pressure relief
Special catalogue HVACR
– Insert 1B-140
– Key 8B-120

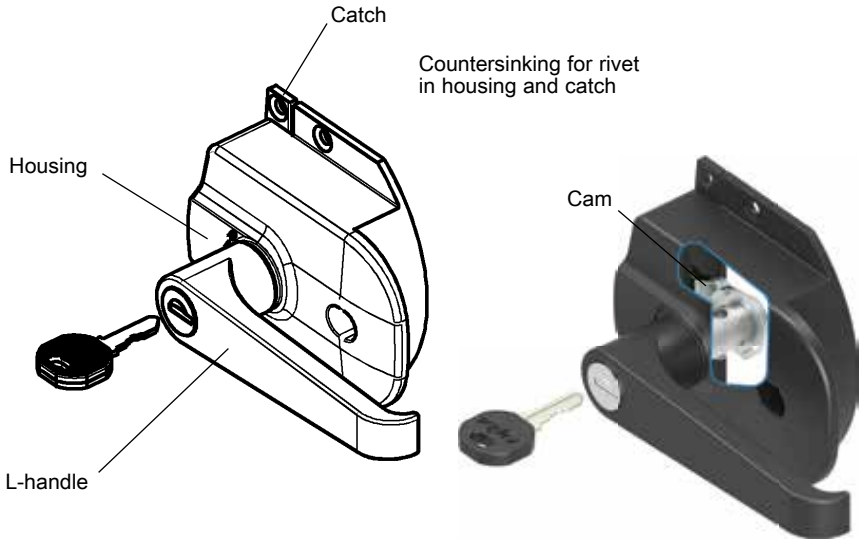
Prominent door lock zinc die black powder-coated, stepped cam zinc die raw	
without insert	1000-U779
Prominent door lock polyamide 66 GF 50 black, stepped cam zinc die raw	
without insert	1000-U957
Catch zinc die black powder-coated	
	1000-488-AA

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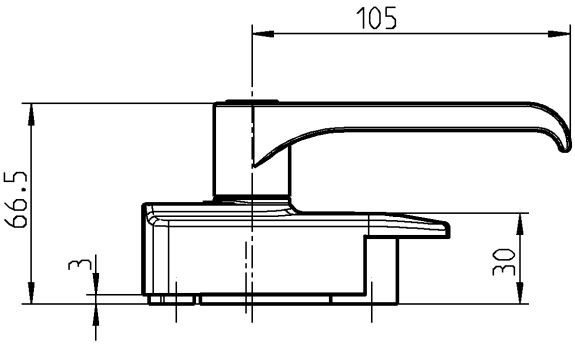
Prominent door lock

PROGRAM 1000

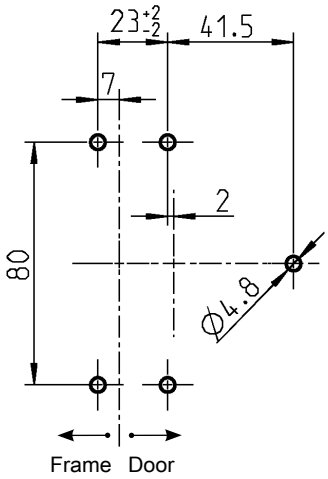




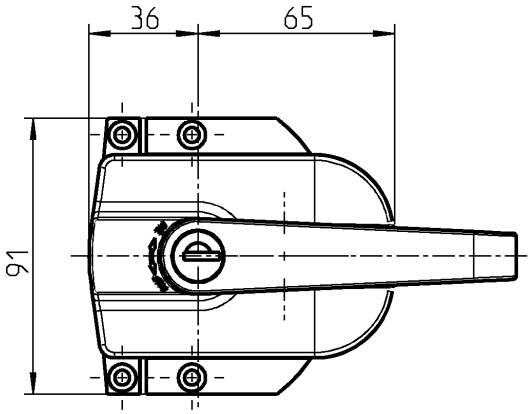








Cut out





Catch

Catch to be ordered separately

90° turn for lockable handles

Housing and catch with slotted holes on request!

Prominent door lock zinc die black powder-coated, L-handle polyamide GF black, stepped cam zinc die raw, screw m.s. zinc-plated	
non locking	1000-U780
Prominent door lock zinc die black powder-coated, L-handle polyamide GF black, cam and screw m.s. zinc-plated, round cylinder zinc die with stainless steel cap and dust protection. Each round cylinder has one silver steel key with grip polyamide GF black.	
keyed EK 333	1000-U781
keyed different	1000-U781-V
Catch zinc die black powder-coated	
	1000-488-AA

Further parts see page
– Door lock with inside handle or pressure relief
Special catalogue HVACR
– Spare key 8B-140

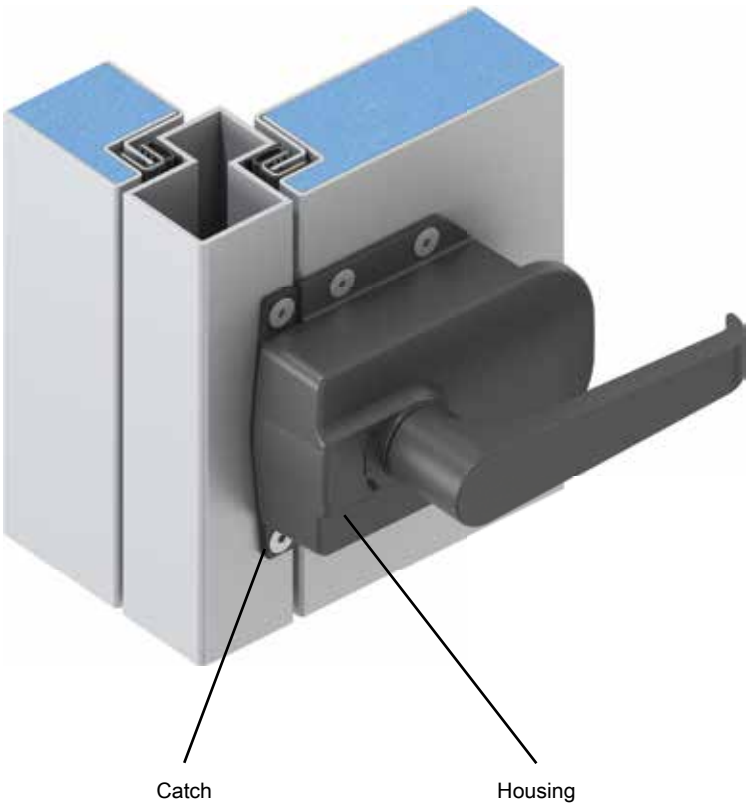
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Items printed in gray without stock

Prominent door lock with inside handle

PROGRAM 1000





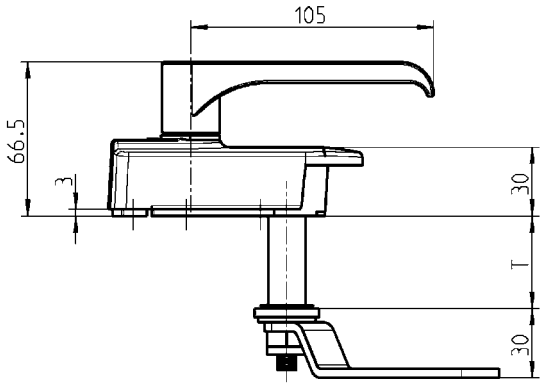
Product benefits

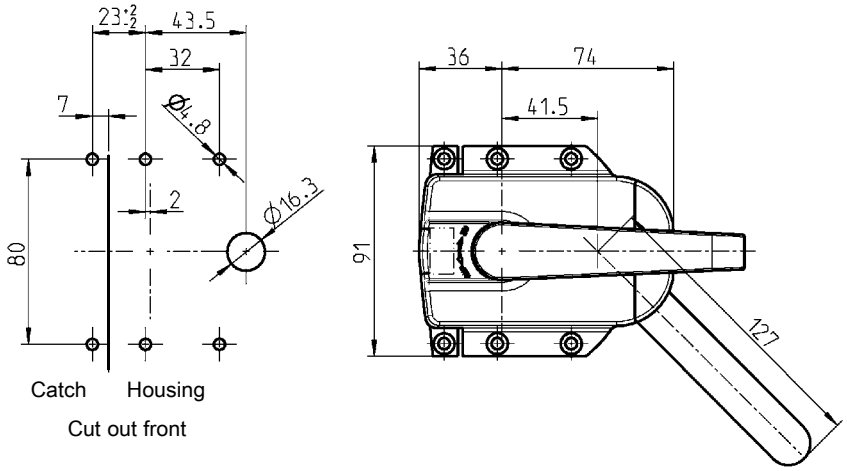
- New modular locking system especially for use on large doors (>1.6 m door height)
- Various inserts and handle options in combination with different cams possible (stepped cam, pressure relief cam, etc.)
- System for various door thicknesses available (30 mm - 60 mm)
- Also available as version without inside handle
- VDI 6022 / ISO 846 compliant materials

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Countersinking for rivet
in housing and catch





Cut out front

Bore hole Ø 16.3 continuous







Catch

Prominent door lock with inside handle: Housing polyamide 66 GF 50 black, L-handle, bezel, bridge and coupling piece polyamide GF black, adapter plate POM GF black; gearwheels zinc die zinc-plated, square shaft, cam, pin and inside handle m.s. zinc-plated, washer, nut m.s. zinc plated, with seal	
T = 50 mm	1000-U938
T = 60 mm	1000-U939
other T-dimensions and handles on request	
Catch zinc die black powder-coated	
	1000-488-AA

Catch to be ordered separately

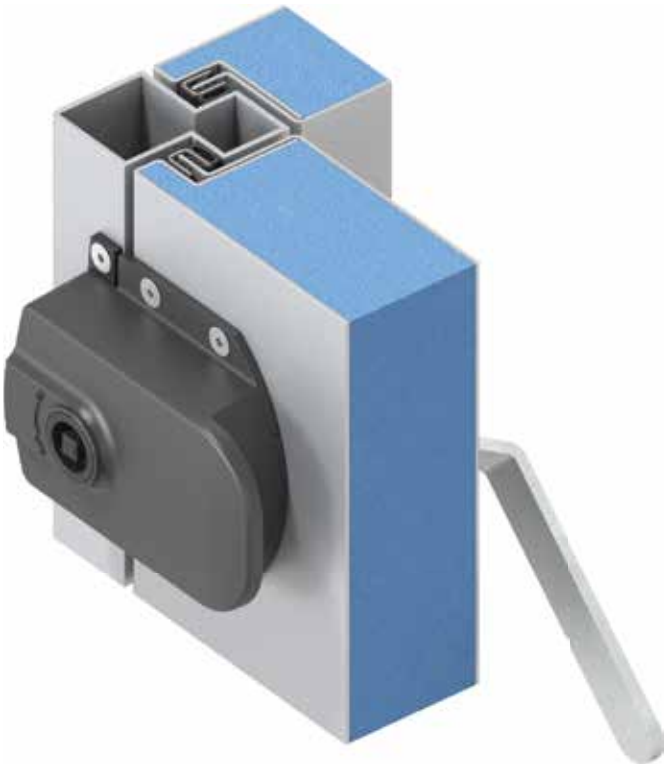
90° Turn

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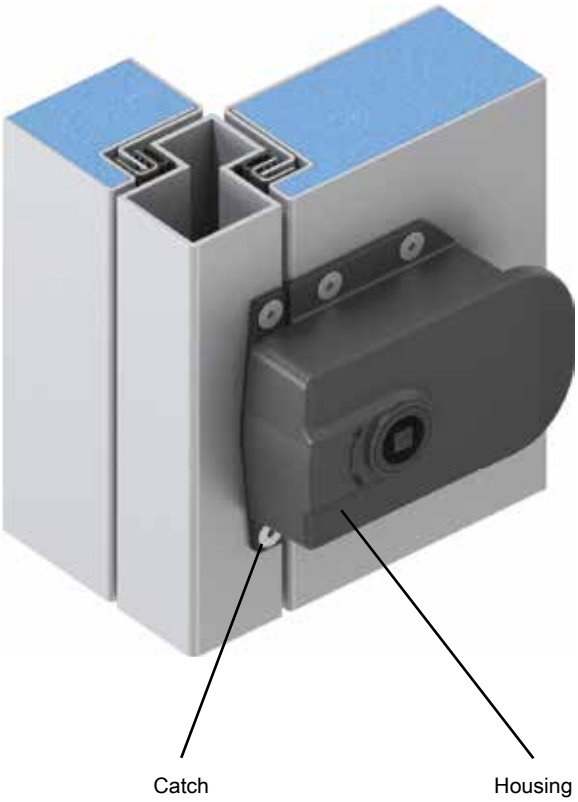
Items printed in gray without stock

Prominent door lock with inside handle

PROGRAM 1000







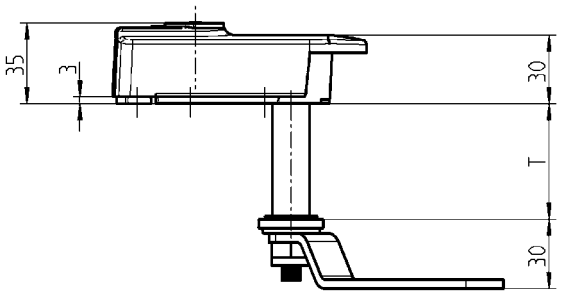
Product benefits

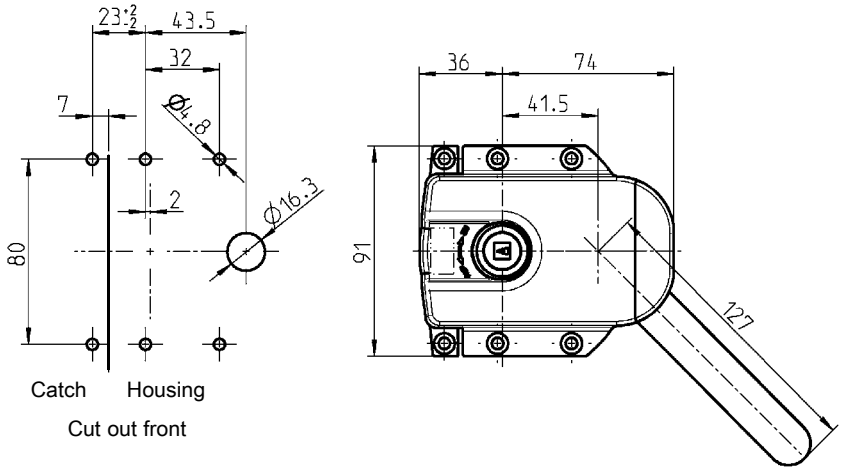
- New modular locking system especially for use on large doors (>1.6 m door height)
- Various inserts and handle options in combination with different cams possible (stepped cam, pressure relief cam, etc.)
- System for various door thicknesses available (30 mm - 60 mm)
- Also available as version without inside handle
- VDI 6022 / ISO 846 compliant materials

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Countersinking for rivet
in housing and catch





Catch Housing

Cut out front

Bore hole Ø 16.3 continuous





Ⓐ = Door lock with stepped cam

Ⓑ = Door lock with pressure relief cam



Catch

Prominent door lock with inside handle: Housing polyamide 66 GF 50 black, bezel, bridge and coupling piece polyamide GF black, adapter plate POM GF black; gearwheels zinc die zinc-plated, insert zinc die black powder-coated, Ⓐ stepped cam zinc die, Ⓑ double cam m.s. zinc-plated, square shaft, pin and inside handle m.s. zinc-plated, washer and nut m.s. zinc-plated, with seal	
Ⓐ = Door lock with stepped cam	
Square 7, T = 50 mm	1000-U943
Square 7, T = 60 mm	1000-U944
Ⓑ = Door lock with pressure relief cam	
Square 7, T = 50 mm	1000-U945
Square 7, T = 60 mm	1000-U946
other T-dimensions and inserts on request	
Catch zinc die black powder-coated	
	1000-488-AA

Catch to be ordered separately

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Items printed in gray without stock

EMKA Beschlagteile

®Cam lock, Snap lock

PROGRAM 1000

IP65

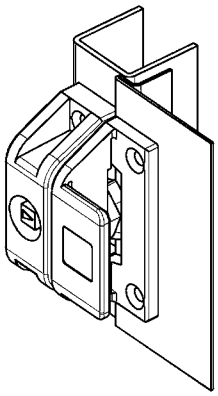


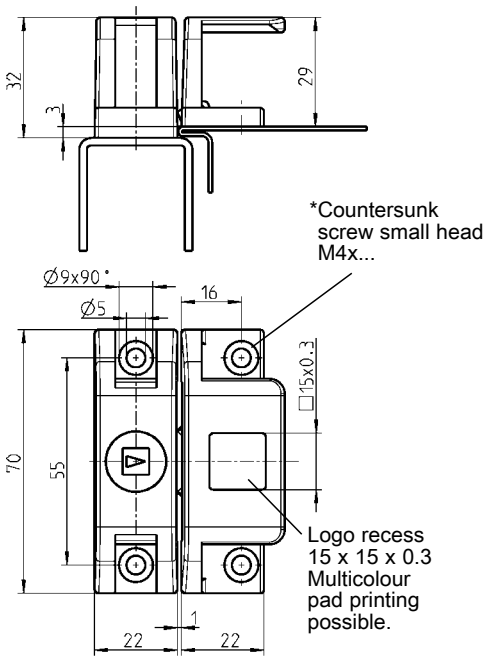
Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

* not included in the scope of delivery

Further parts see page
– Key 8B-120

Cam lock



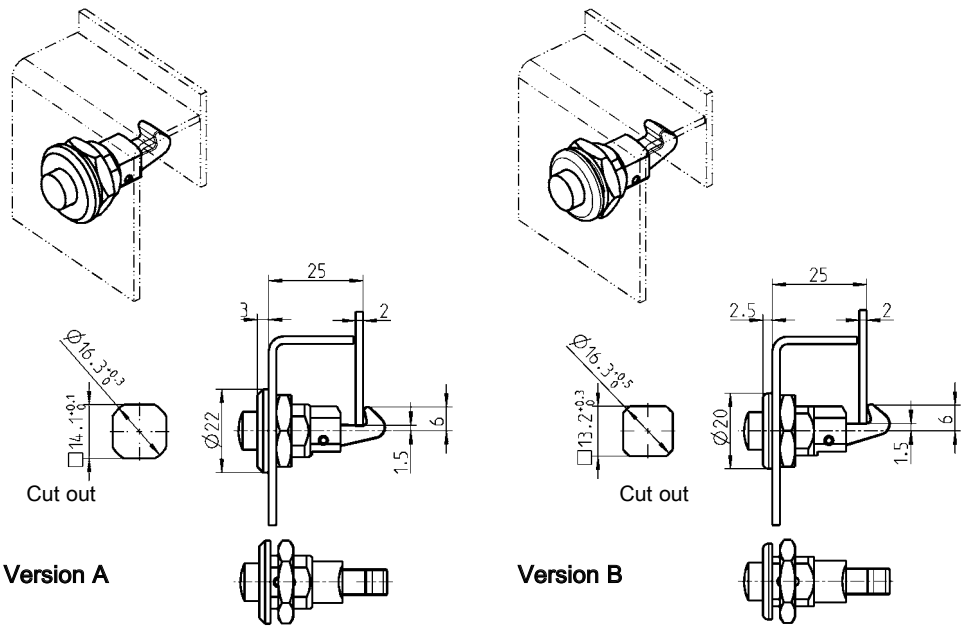


Cam lock polyamide black, insert zinc die chrome-plated. cam, screw and spring washer m.s. zinc-plated			
Square 7	1076-U5	Double bit 3	1076-U9
Square 8	1076-U6	Double bit 5	1076-U10
Triangular 7	1076-U7	Hexagon female SW 10	1076-U11
Triangular 8	1076-U8	Slot 2 x 4	1076-U12

Snap lock
with and without seal







Snap lock zinc die chrome-plated, with or without seal			
Version A		**Version B**	
without seal	1047-U3	without seal	1047-U2
with seal IP 65	1047-U5	with seal IP 65	1047-U4

with seal IP 65

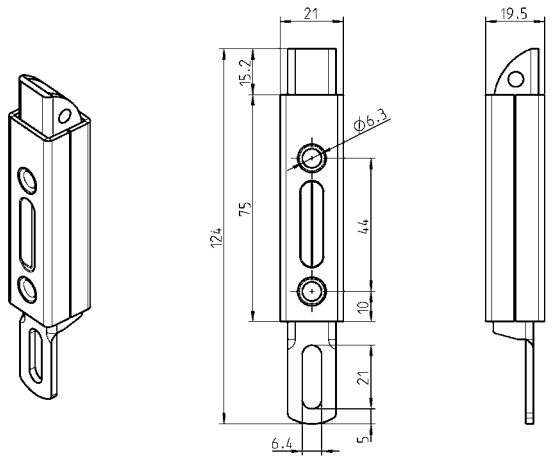
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Items printed in gray without stock

Slam-lock

PROGRAM 1034, 1085

Slam-lock

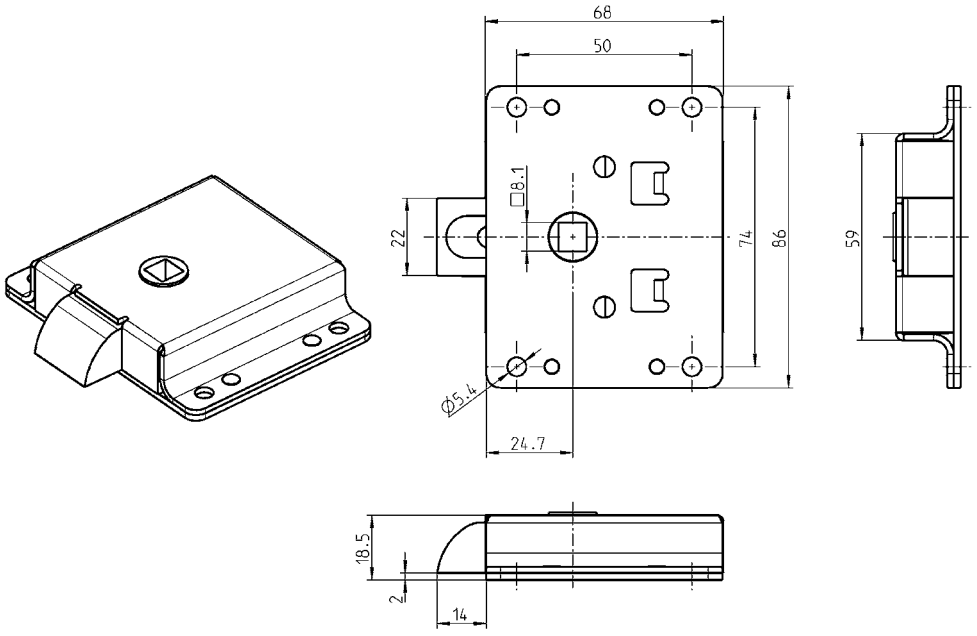




Rod connection can be bent for hand-operation on request

Slam-lock m.s. zinc-plated	1085-U1

Slam-lock





Slam-lock m.s. zinc-plated, lock and nut zinc die raw, compression spring material spring steel	1034-U1

Further parts see page
– Support and insert 1C-360

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Slam-lock

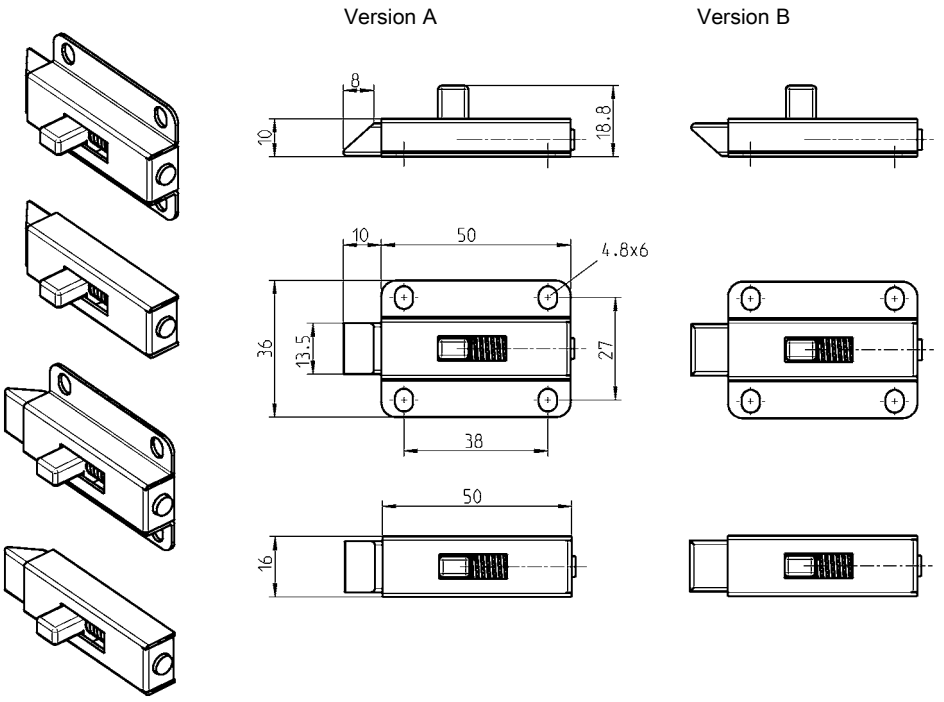
PROGRAM 1053

Version A



Version B





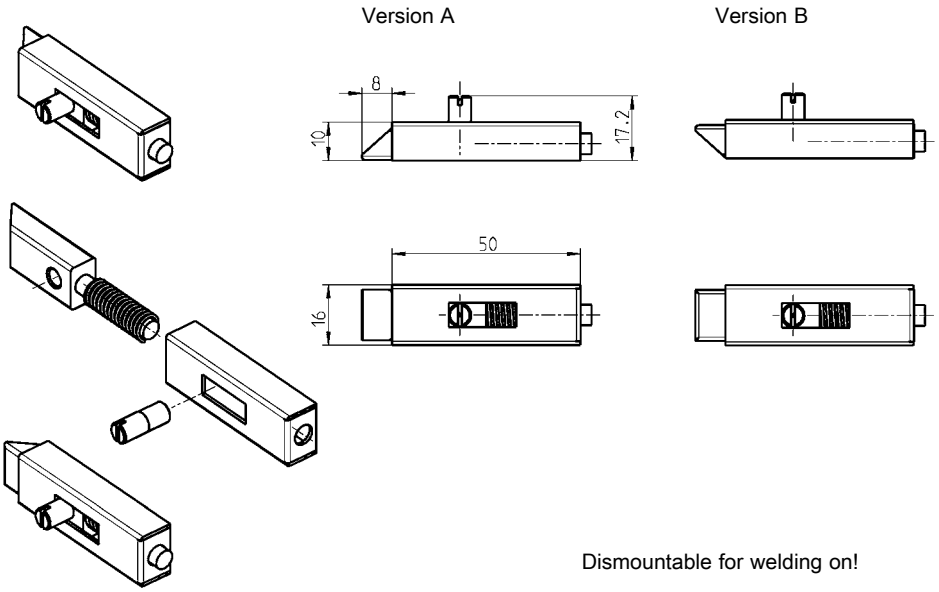
Slam-lock m.s. zinc-plated resp. m.s. raw, locking bolt zinc die zinc-plated		
	Version A	Version B
screw-on, m.s. zinc-plated	1053-U1	1053-U2
weld-on, m.s. raw	1053-U3	1053-U4

Version A



Version B





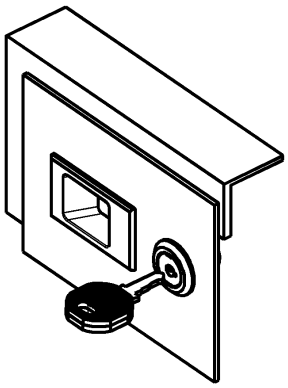
Dismountable for welding on!

Slam-lock m.s. raw, locking bolt zinc die zinc-plated		
	Version A	Version B
weld-on	1053-U5	1053-U6

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Snap lock, clip-in

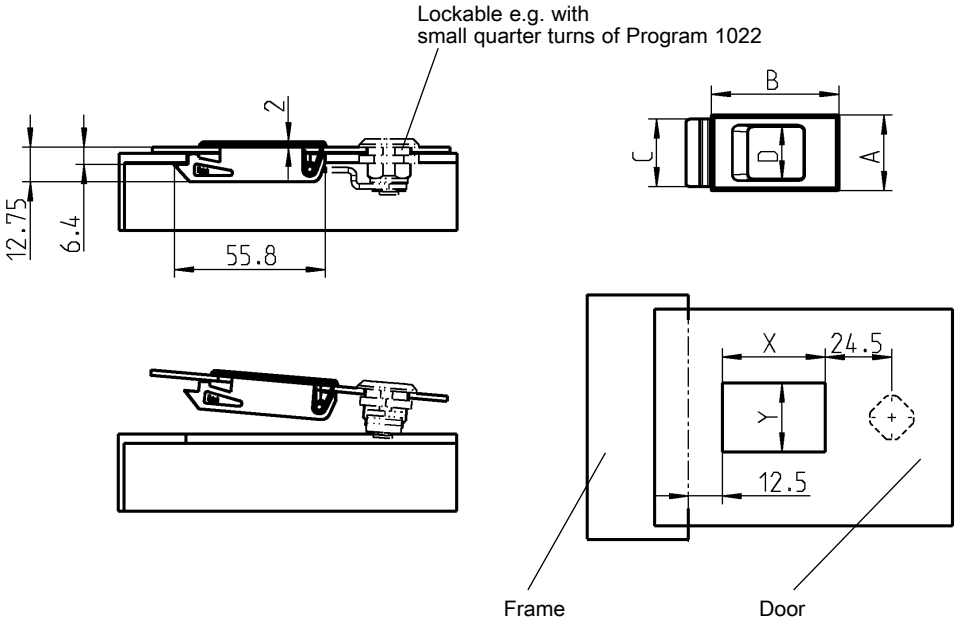
PROGRAM 1091











Snap lock polyamide black with spring m.s. zinc-plated							
Size		Ts = 1.2 - 1.6			Ts = 1.75 - 2.2		
1		1091-U114-01			1091-U114		
2		1091-U115-01			1091-U115		
3		on request			1091-U116		
Dim.	**A**	**B**	**C**	**D**	**Door cut out**	**X**	**Y**
1	28	47	25	20	1	38	25.5
2	47	47	44	39.5	2	38	44.5
3	86	47	83	78.5	3	38	83.5

Suitable for door thicknesses from 1.2 to 2.2 mm

Further parts see page
– Quarter turn 1A-120 to 1A-160

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Beschlagteile

Side panel latch

PROGRAM 1091

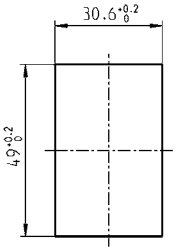




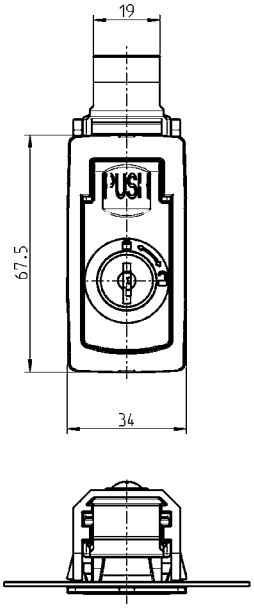


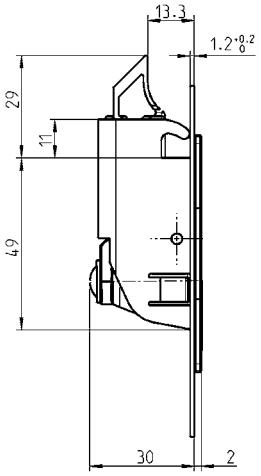


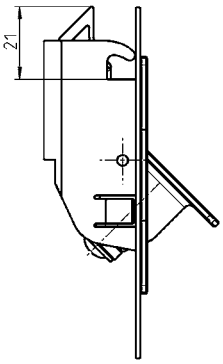
Open condition



Cut out







Side panel latch polyamide GF black, screw m.s. zinc-plated Each round cylinder has one silver steel key with grip polyamide GF black. Key removable in both positions	
keyed EK 333	1091-U143
keyed different	1091-U143-01V
blank	1091-U143-02

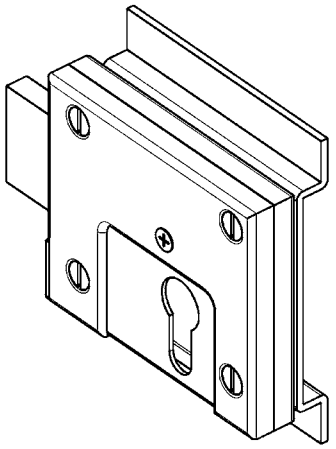
Further parts see page
– Spare key 8B-140

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Dead-bolt lock

PROGRAM 1080

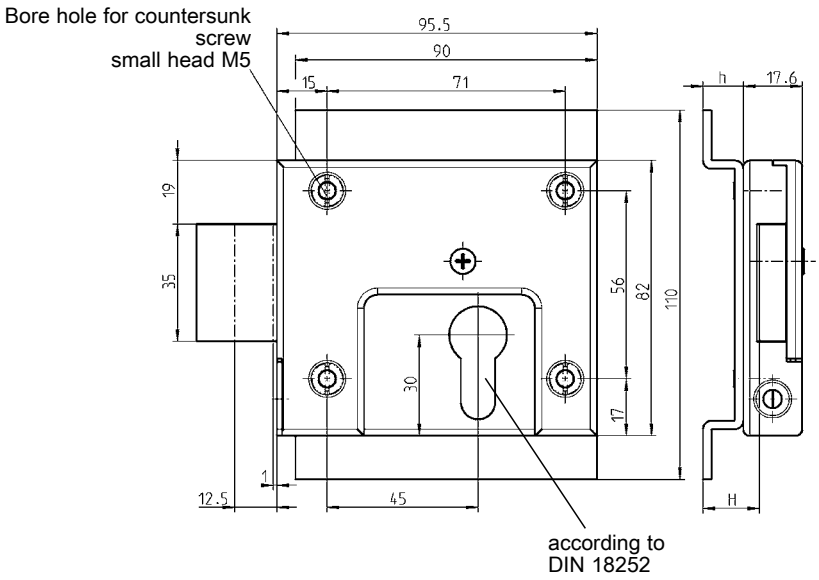
Dead-bolt lock





Dead-bolt lock for LH and RH version

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047



Dead-bolt lock m.s. zinc-plated			
			1080-U1
Lock support m.s. raw			
H	**h**	**Profile cylinder length**	
16.5	12	40	on request
26.5	22	50	on request

Further parts see page
– Profile half cylinder 2B-220

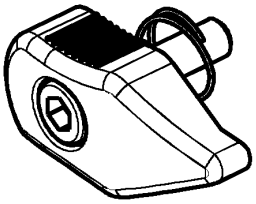
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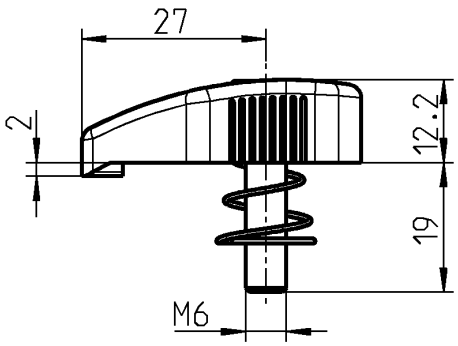
EMKA® Beschlagteile

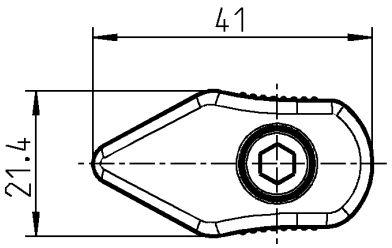
Bridge clamp

PROGRAM 1076









Bridge clamp polyamide black; cylinder screw m.s. zinc-plated; with spring	
	1076-U13

Version A

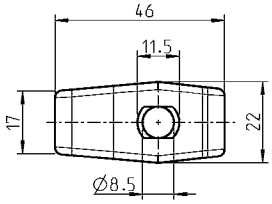


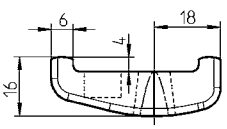
Version B



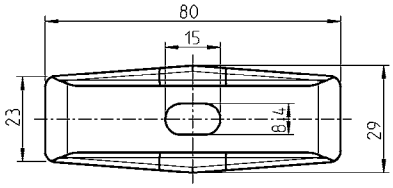


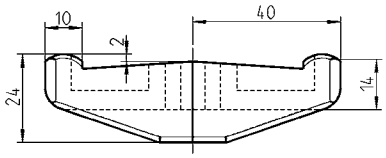
Version A

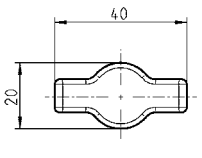


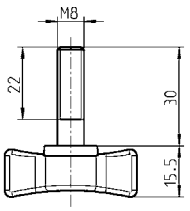


Version B







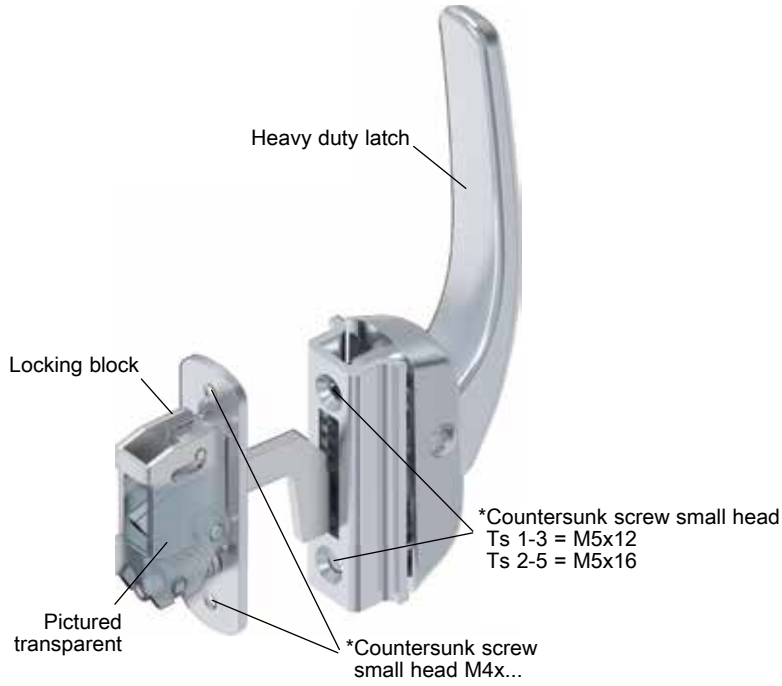


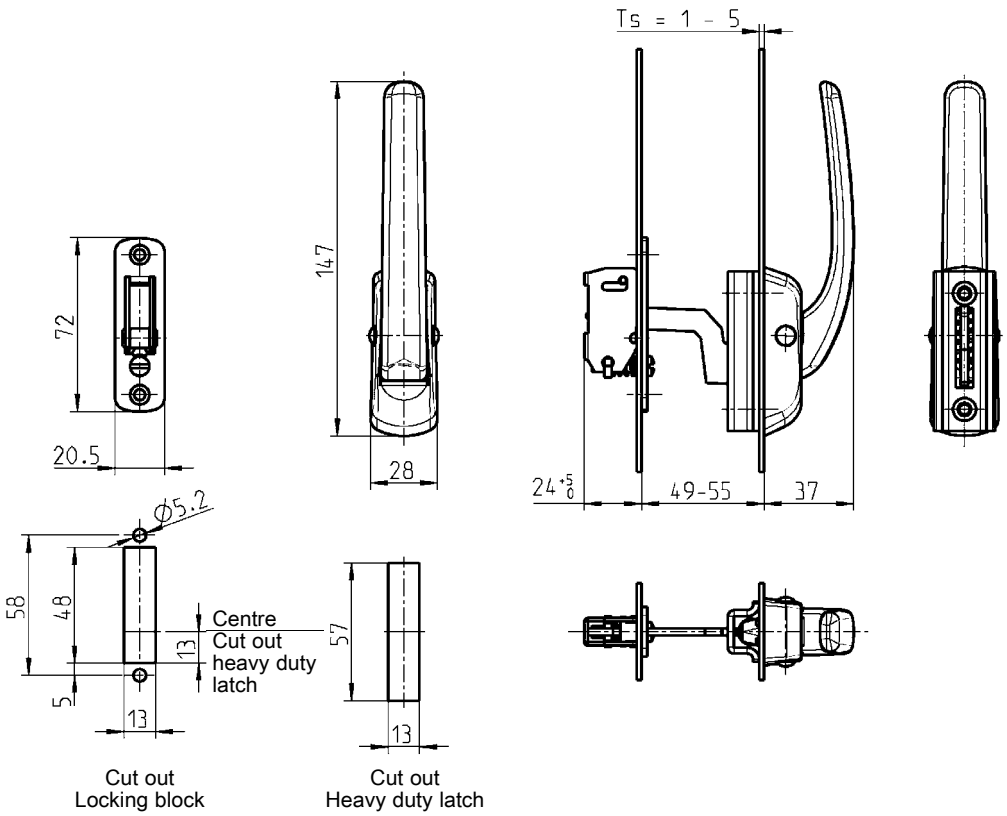
Bridge clamp polyamide GF black		
	Version A	Version B
	1076-19	1076-20
Tommy screw m.s. zinc-plated; wing knob polyamide GF black		
		1076-15

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Heavy duty latch with adjustable locking block

PROGRAM 2074







* not included in the scope of delivery

Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Heavy duty latch zinc die chrome-plated, cam AISI 304 chrome-plated, fastening bracket and spring setting AISI 304, with spring	
	2074-U372-137IK
Locking block AISI 304 chrome-plated, U-frame and adjusting screw AISI 304, roller and set screw AISI 303, with spring	
	2074-U372-156IK

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Heavy duty latch for lateral installation

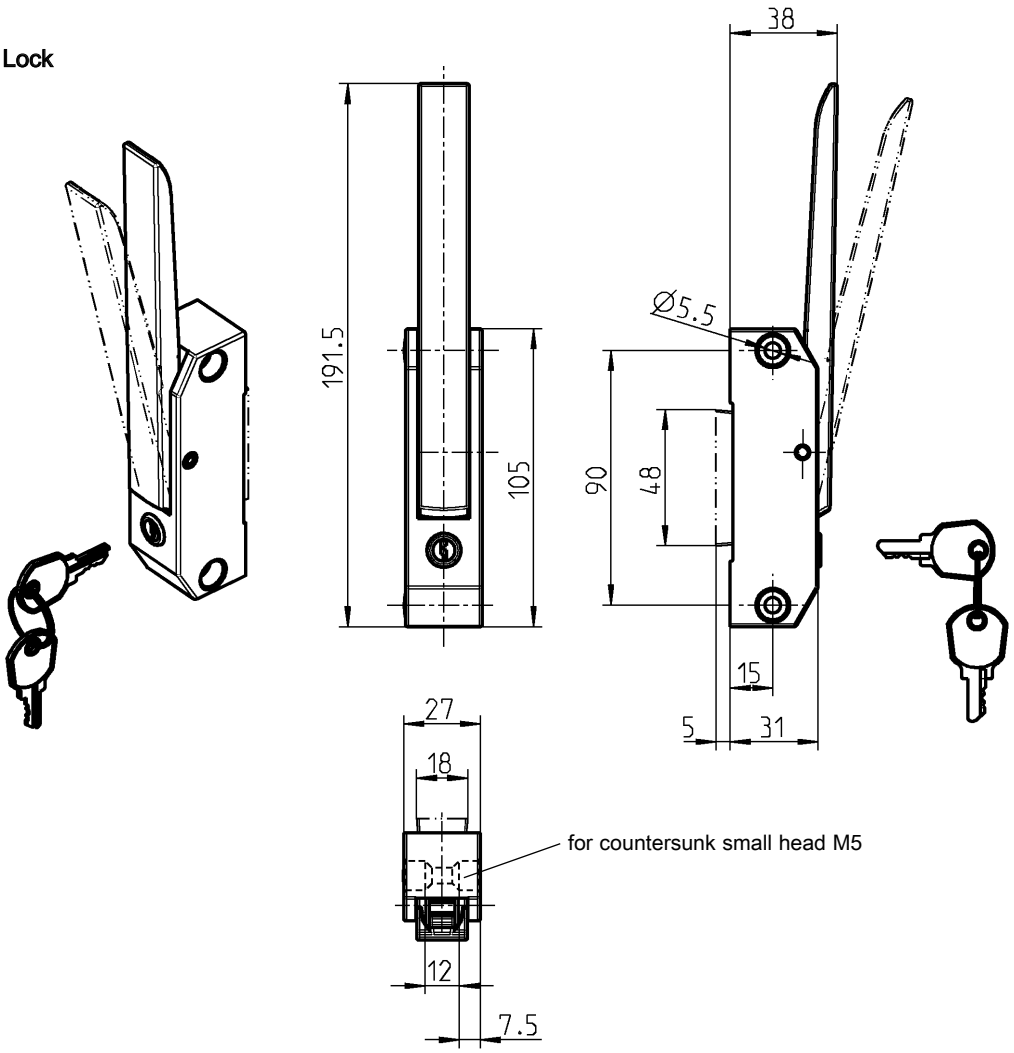
PROGRAM 2074



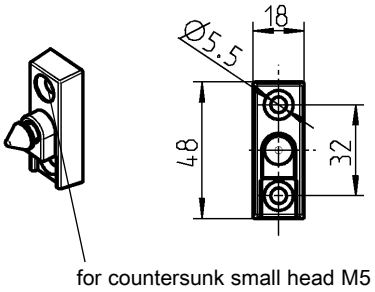


Application:
The lock can be mounted on refrigerators, for example.

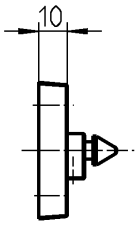
Lock



Clamps base with adjustable clamp

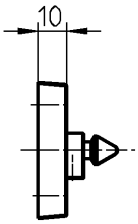


Version A



The door cannot be pushed open from inside.

Version B



The door can be pushed open from inside, if the round cylinder is not closed.
(chamfered clamp)

Version A



Version B



Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

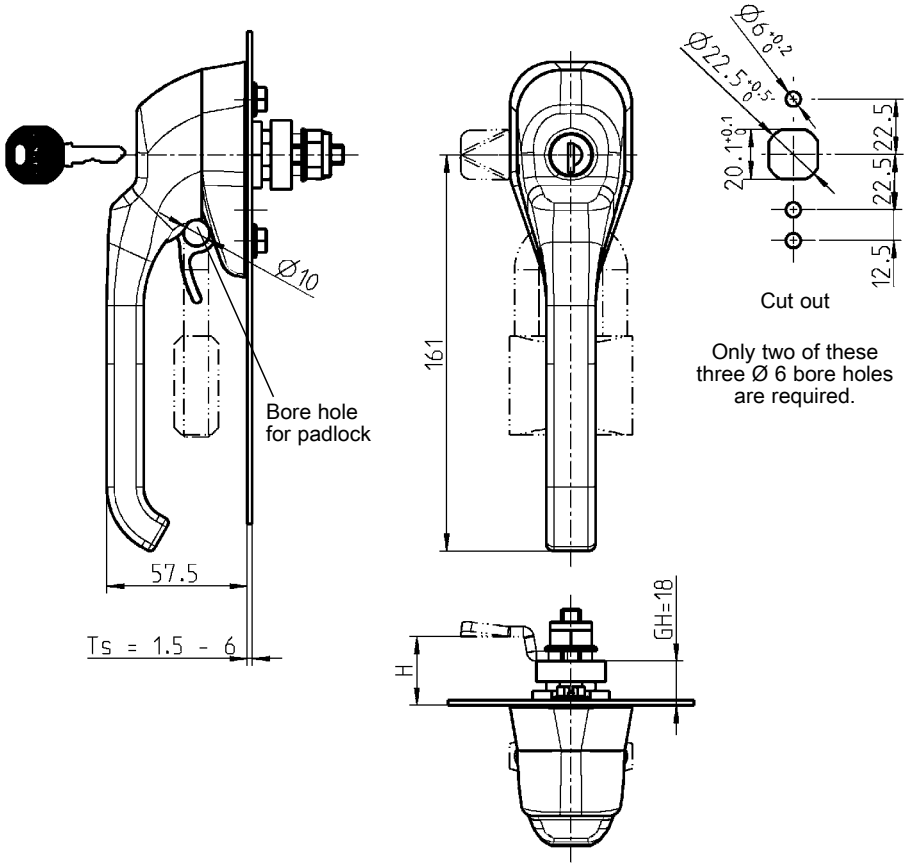
Lock zinc die gloss chrome-plated, clamp and other components m.s. zinc-plated thick-film passivated plus top coat sealed, two plugs polyethylen grey, with spring. Each round cylinder has two silver steel nickel plated keys at a ring.	
non locking	2074-U130-IK
keyed different	2074-U132-IK
keyed alike	on request
Clamp stainless steel, clamp base zinc die chrome-plated, threaded stud m.s. zinc-plated	
Version A	2074-U111-IA
Version B	2074-U113-IA

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Heavy duty latch

PROGRAM 1091

EDELSTAHL Rostfrei STAINLESS STEEL



IP65

AISI INOX





Handle zinc die black powder-coated; round cylinder with stainless steel cap and dust cap; insert and lever zinc die chrome-plated; stop plate zinc die zinc-plated; fixing material m.s. zinc-plated. Each round cylinder has one silver steel key with grip polyamide GF black.			
with spring-loaded return			
without insert	1091-U122	Triangular 8	1091-U131
keyed EK 333	1091-U123	Double bit 3	1091-U132
keyed different	1091-U124	Double bit 5	1091-U133
Square 6	1091-U125	Hexagon female SW 8	1091-U134
Square 7	1091-U126	Hexagon female SW 10	1091-U135
Square 8	1091-U127	Square female 8	1091-U136
Square 8 slotted	1091-U128	Slot 2 x 4	1091-U137
Triangular 6.5 CNOMO	1091-U129	Daimler Benz	1091-U138
Triangular 7	1091-U130	Eastern Europe Ø 13 half-round	1091-U139
without spring-loaded return			
keyed EK 333	1091-U140	keyed different	1091-U141
Heavy duty latch AISI 316; round cylinder with stainless steel cap and dust cap zinc die chrome-plated. Each round cylinder has one silver steel key with grip polyamide GF black.			
with spring-loaded return			
without insert	1091-U142	keyed different	1091-U142-03
keyed EK 333	1091-U142-02	Slot 2 x 4	1091-U142-01

Further parts see page

– Cam with catch (GH = 18) 1C-120 to 1C-160
– Ramp 1C-170
– Key 8B-120
– Spare key 8B-140

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Notes:

Keys
Program 1004, 1108

1



2



3



4



5



6



7



8



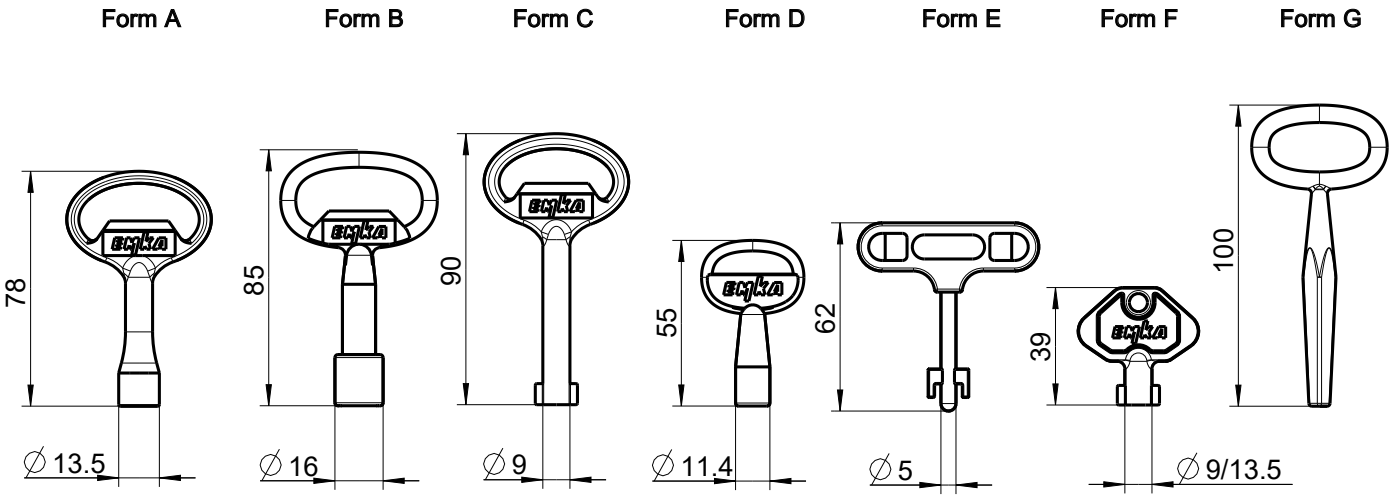
9



1	Key large, e.g. with square	8B-120
2	Key double bit large	8B-120
3	Key small, e.g. with square	8B-120
4	Key small, e.g. with square	8B-120
5	Key double bit small	8B-120
6	Key FIAT	8B-120
7	Key square male 6.5 – 8.5	8B-120
8	Universal key	8B-120
9	EMKA key, e.g. keyed EK 333	8B-140

Key

PROGRAM 1004

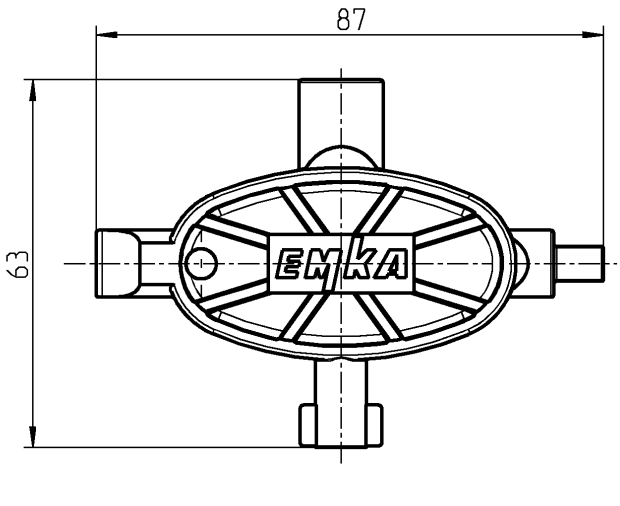


Keys can be supplied with customer logo on request
Minimum quantity: Form A, B, C, D 2,000 pieces
Minimum quantity: Form E, F, H 5,000 pieces

Key form	A	B	C	D	E	F	G
	Zinc die black p.c.	Zinc die black p.c.	Zinc die black p.c.	Zinc die black p.c.	Zinc die / Polyamide GF black	Polyamide GF black	GTW nickel-plated
Square 6	1004-18	–	–	1004-20	–	1004-37	–
Square 7	1004-01	–	–	–	–	1004-36	–
Square 8	1004-02	–	–	–	–	1004-35	–
Triangular 6.5	–	–	–	1004-21	–	–	–
Triangular 6.5 CNOMO type 1	1004-26	–	–	–	–	–	–
Triangular 7	1004-03	–	–	–	–	1004-39	–
Triangular 8	1004-04	–	–	–	–	1004-38	–
Triangular 10	–	1004-24	–	–	–	–	–
Crown type	–	1004-31	–	–	–	–	–
Eastern Europe Ø 13 half-round	–	1004-42	–	–	–	–	–
Double bit 3	–	–	1004-05	–	–	1004-34	–
Double bit 5	–	–	1004-06	–	–	1004-33	–
Hexagon SW 11.1	–	1004-54	–	–	–	–	–
Daimler Benz	1004-17	–	–	–	–	–	–
FIAT	–	–	–	–	1004-41	–	–
Square male 6	1004-29	–	–	–	–	–	–
Square male 8	1004-30	–	–	–	–	–	–
Square male 6 - 9.5	–	–	–	–	–	–	1004-19
Hexagon male 8 with bore hole	1004-49	–	–	–	–	–	–
Tube	–	–	–	1004-51	–	–	–

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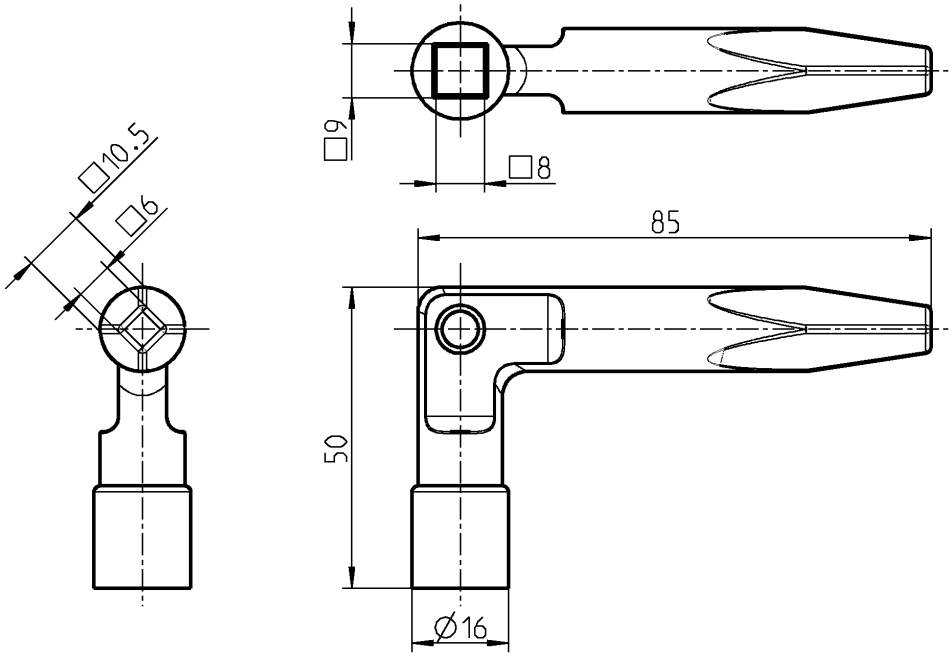
Form H





Form H, universal key, polyamide GF blue	
Square male 6, square 8, double bit 5 and slot	1004-48

Form I





Form I, version railway, zinc die black powder-coated	
Square 8 - 9, square male 6 - 10.5	1004-52

Attention:
Keys of form
A, B, C, E, F, G and I
not suitable for Program 1022

Stainless steel key on request

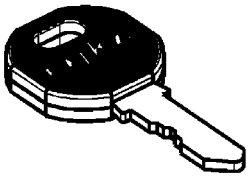
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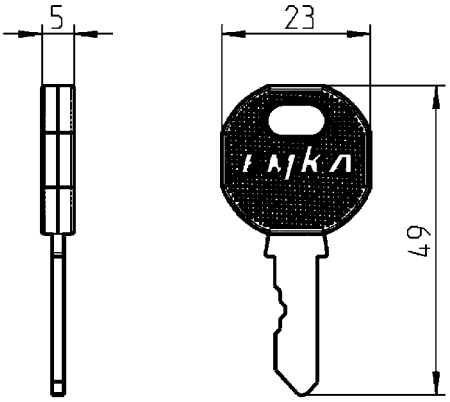
EMKA®
Beschlagteile

EMKA key

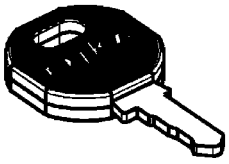
PROGRAM 1108

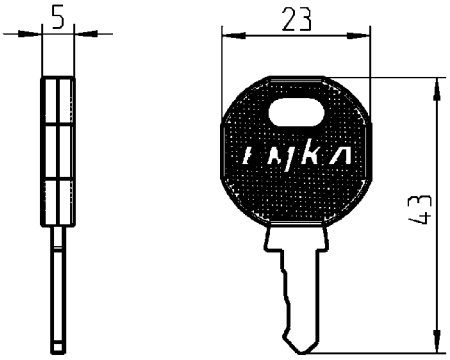












EMKA key silver steel with grip polyamide black for Program 1000, 1048, 1091, 1109, 1121, 1125, 1150, 1160, 1180, 1200, 1210, 1225, 2100, 2400,	
Key EK 333	1108-U35
keyed different	1108-U36-key system
for Program 1022, 1109, 1200, 2100, 2400	
Key 2233X	1108-U37
keyed different	1108-U38-key system

Note:
Further keys on request

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Cover stays and Door stops

1



2



3



4



5

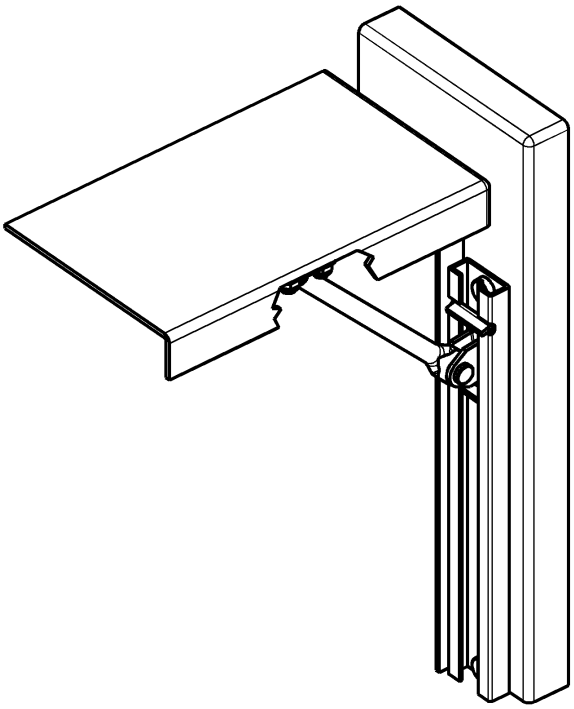


1	Double stay, self-catching	8C-120
2	Telescopic cover stay with push button, self-catching	8C-140
3	Telescopic cover stay, self-catching	8C-160
4	Cover stay with locking pawl	8C-180
5	Door stopper	8C-220

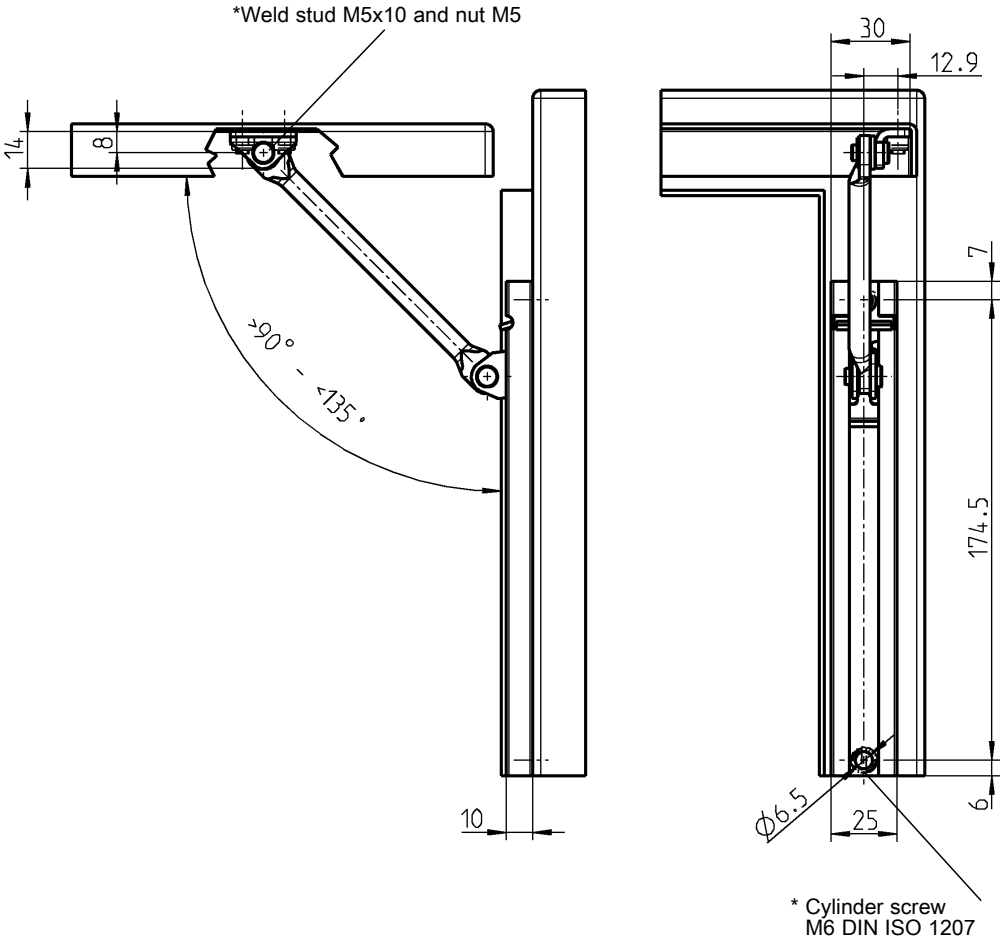
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Cover stay

PROGRAM 1050







*not included in the scope of delivery

The opening angle of 90°–135° depends on choice of hinge.

Further parts see page
– Hinge for prominent door Chapter 4

Cover stay m.s. zinc-plated

1050-U3

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Telescopic cover stay with push button to release

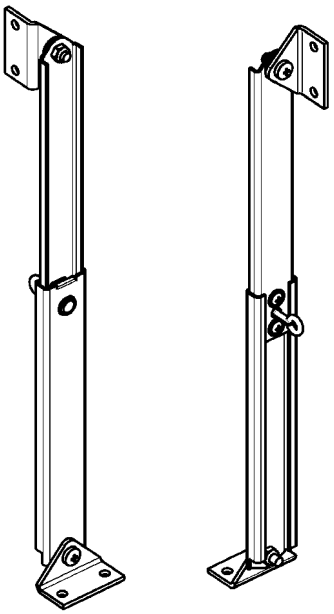
PROGRAM 1097

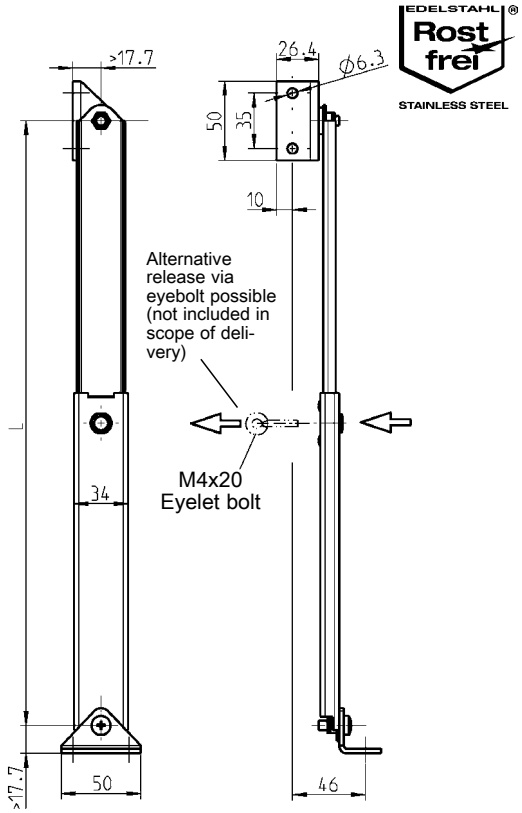
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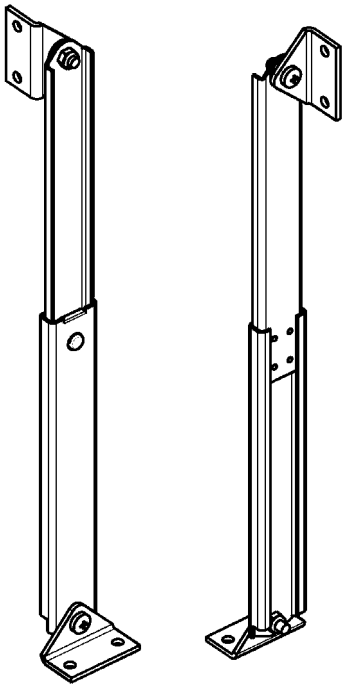
AISI INOX

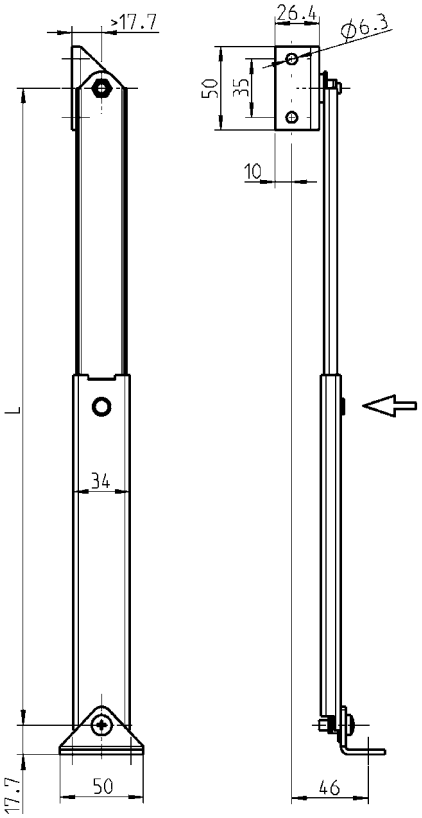
Telescopic cover stay m.s. zinc-plated





Telescopic cover stay stainless steel







Telesopic cover stay m.s. zinc-plated, push button zinc die chrome-plated			
	retracted	extended	
Dimension L	213	382	1097-U5
Dimension L	377	710	1097-U6
Telescopic cover stay AISI 304, push button AISI 303			
Dimension L	213	382	1097-U5-PC

Further parts see page

– Hinge for prominent door — Chapter 4
– 2D Nut — 8E-120

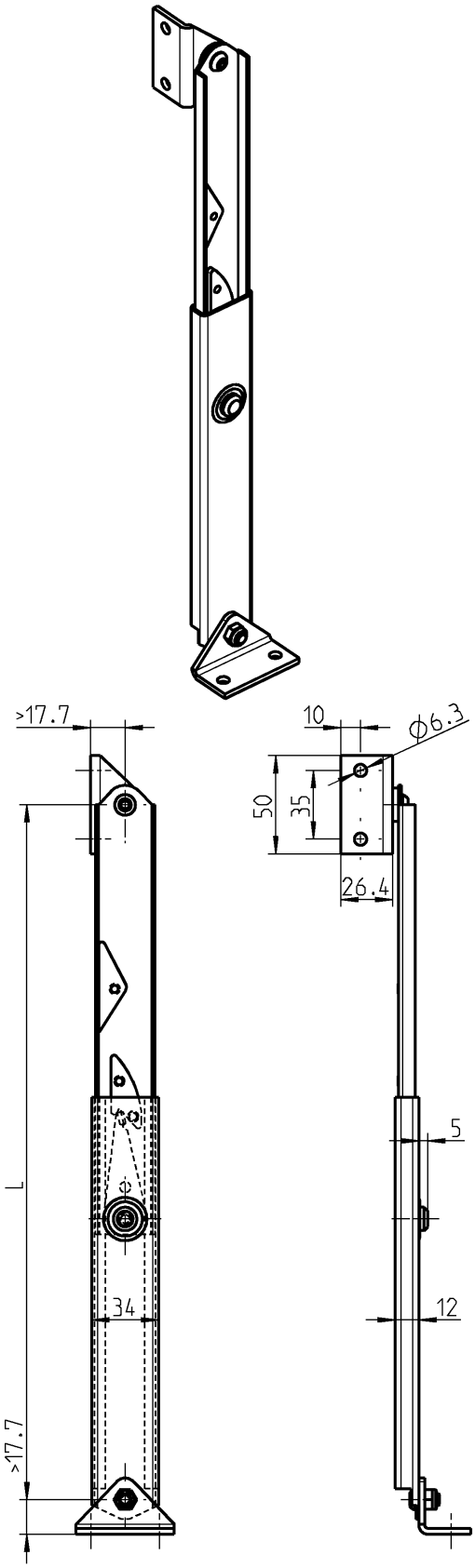
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EMKA® Beschlagteile

Telescopic cover stay

PROGRAM 1097





Further parts see page

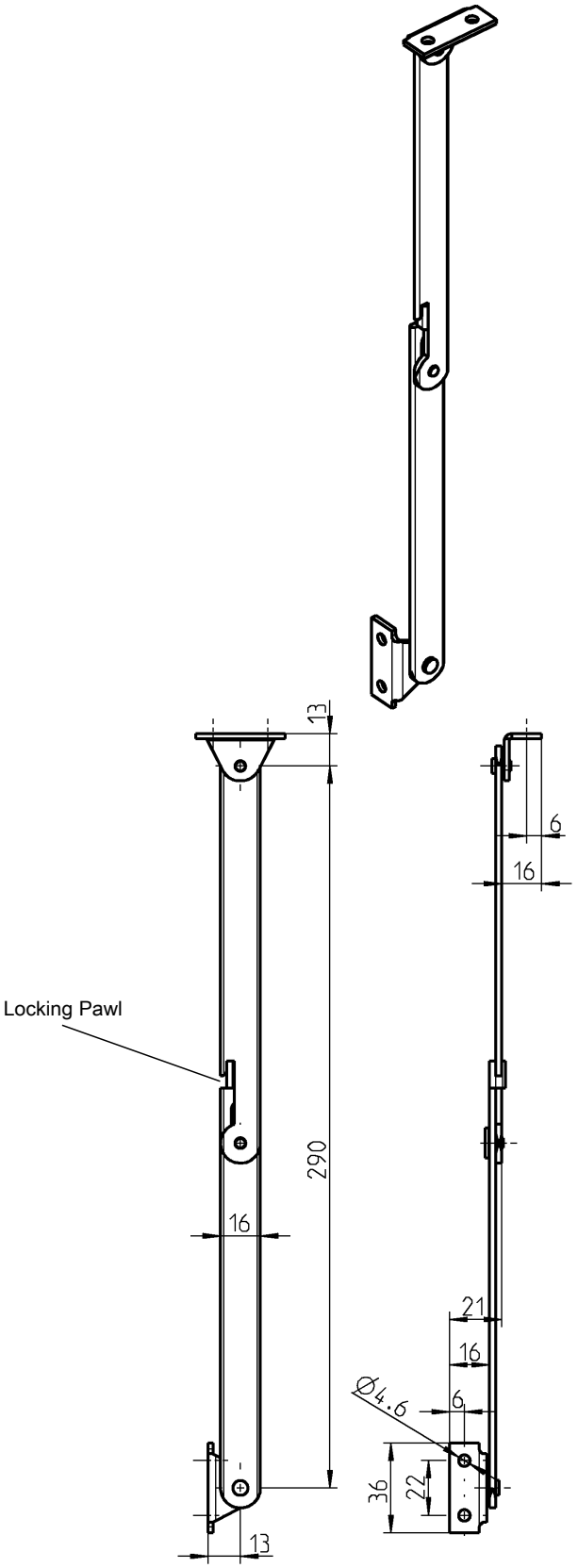
– Hinge for prominent door	Chapter 4 8E-120
– 2D Nut	

Telescopic cover stay m.s. zinc-plated			
	retracted	extended	
Dimension L	215	360	1097-U1
Dimension L	398	685	1097-U2

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Cover stay

PROGRAM 1050





Cover stay material of choice		
	m.s. zinc plated	AISI 304
Right	1050-U1	1050-U1-PC
Left	1050-U2	1050-U2-PC

Further parts see page
– Hinge Chapter 4

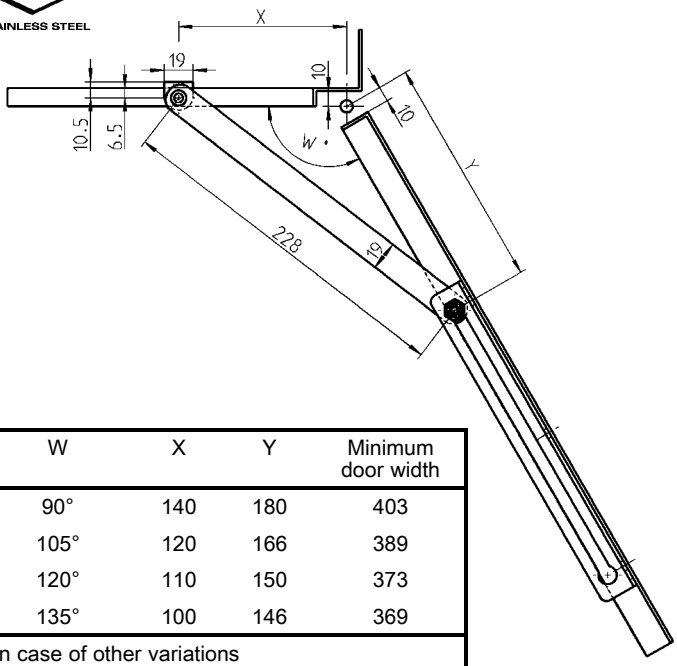
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Door stopper

PROGRAM 1087

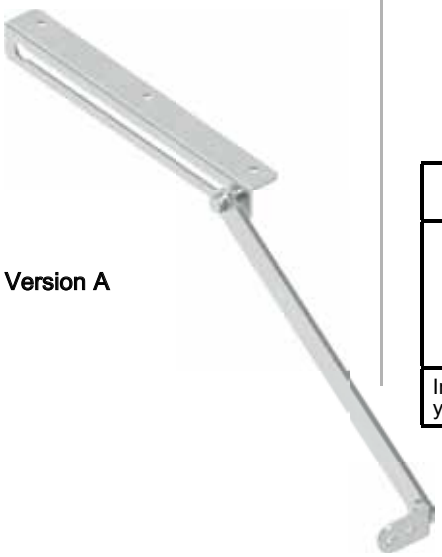
AISI INOX

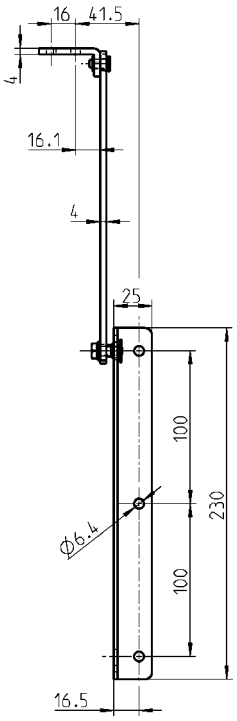
EDELSTAHL Rostfrei STAINLESS STEEL



W	X	Y	Minimum door width
90°	140	180	403
105°	120	166	389
120°	110	150	373
135°	100	146	369
In case of other variations y = x + >40			

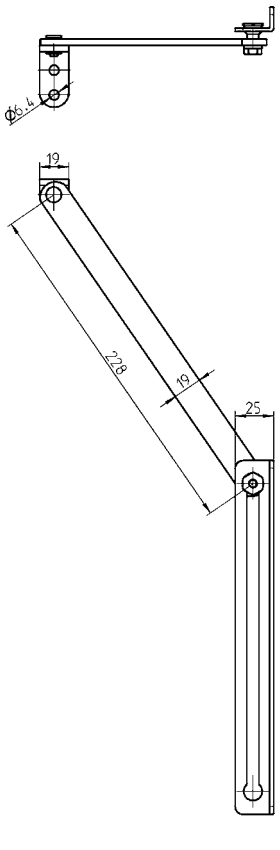
Version A

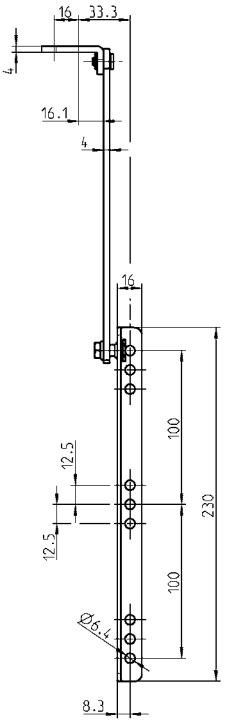




Version B







Door stop m.s. zinc-plated	
Version A (2D nut possible)	1087-U1
Version B (2D nut possible)	1087-U4
Door stop AISI 304, locking bush and rivet AISI 303	
Version A (2D nut possible)	1087-U1-PC

Further parts see page
– Hinge for prominent door — Chapter 4
– 2D Nut — 8E-120

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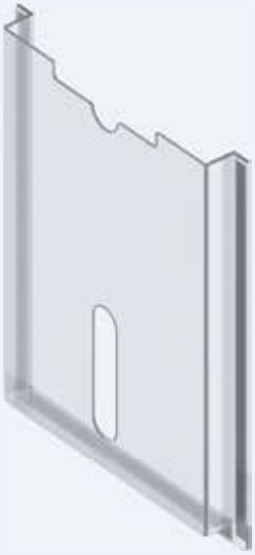
Accessories
Escutcheon, Panel mounting device, Cable shunting ring, Drawing pocket, Window

1


2


3


4


5


6


7


1	Escutcheon, e.g. for profile half cylinder	8D-120
2	Panel mounting device for mounting plates, back panels etc.	8D-220
3	Cable shunting ring	8D-320
4	Cable grommet	8D-320
5	Drawing pocket glass clear	8D-420
6	Drawing pocket, e.g. for size DIN A4	8D-420
7	Window	8D-520 to 8D-620

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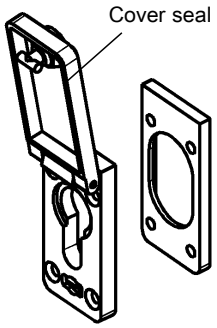
Escutcheon

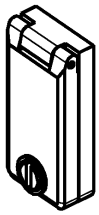
PROGRAM 1018, 1072

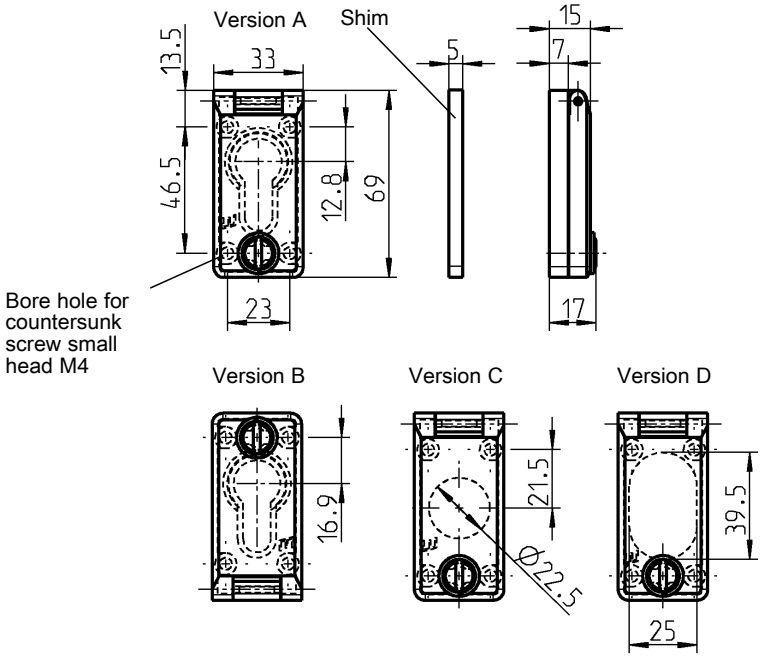




Small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047







Escutcheon polyamide grey, RAL 7032			
Version A for profile half cylinder	1072-U1	Version A for profile half cylinder, sealable	1072-U11
Version B for profile half cylinder	1072-U13	Version B for profile half cylinder, sealable	1072-U12
Version C with round hole Ø 22.5	1072-U15	Version C with round hole Ø 22.5, sealable	1072-U14
Version D with universal hole	1072-U16	Version D with universal hole, sealable	1072-U17
Shim polyamide grey			1072-01
Bottom seal cell sponge rubber			1072-02
Cover seal			1072-03

Further parts see page
– Suitable for rod control 2A-120
2B-140

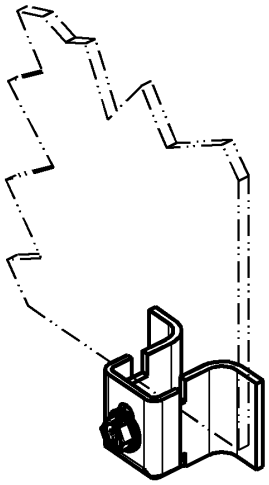
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Items printed in gray without stock

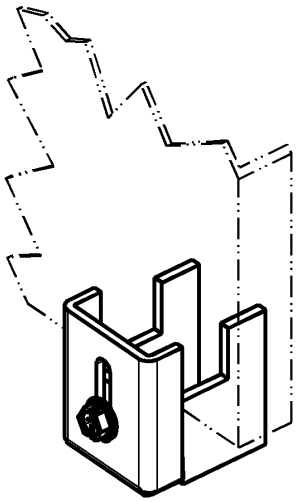
Panel mounting devices

PROGRAM 1051

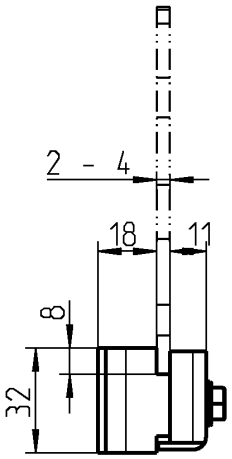
Version A

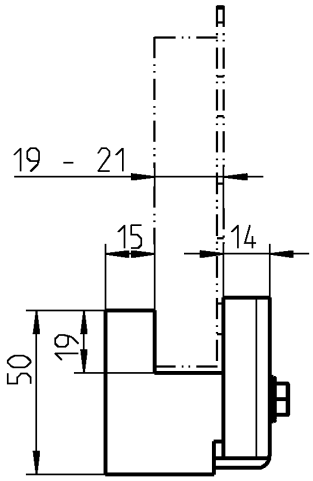


Version B

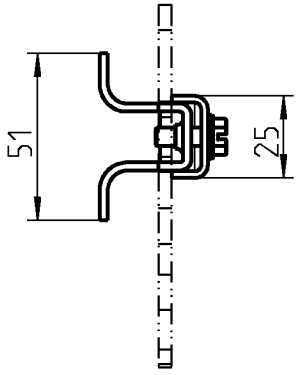


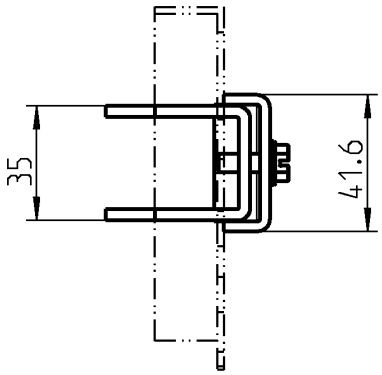












Panel mounting device m.s. zinc-plated, weld-on part m.s. raw		
	Version A	Version B
	1051-U2	1051-U1

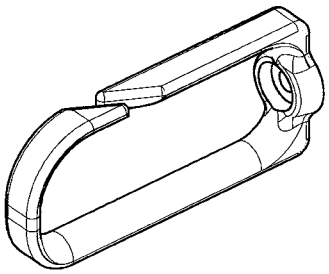
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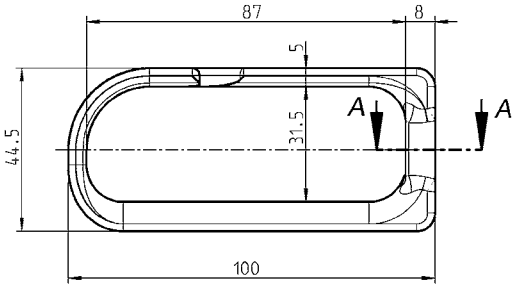
EMKA Beschlagteile

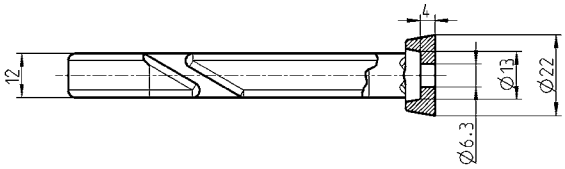
®Cable shunting ring, Cable grommet

PROGRAM 1071





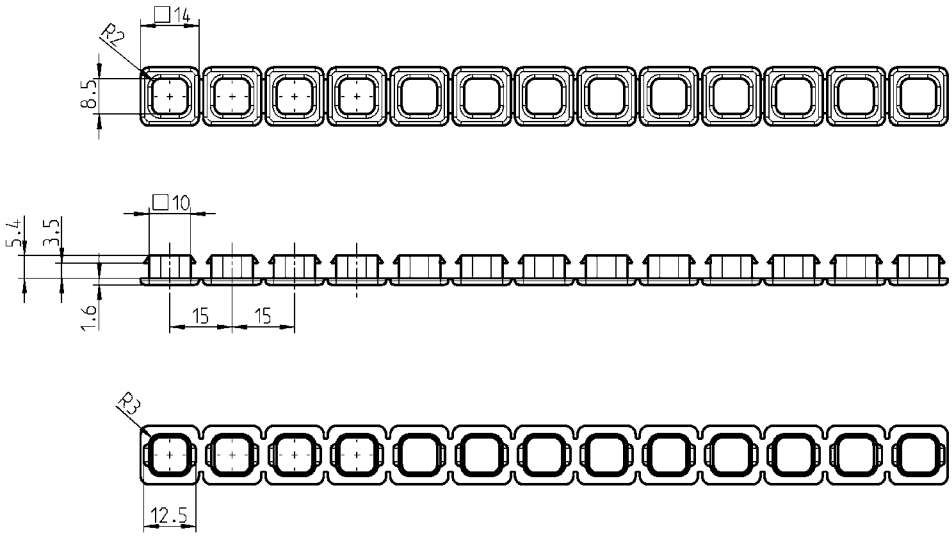






Cable shunting ring PC+ABS-FR(40) black

for fixing screw M6	1071-01



Cable grommet polyethylene PE-LD black

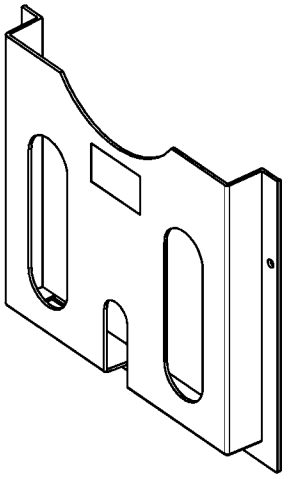
Strip with 13 pieces	1071-U1

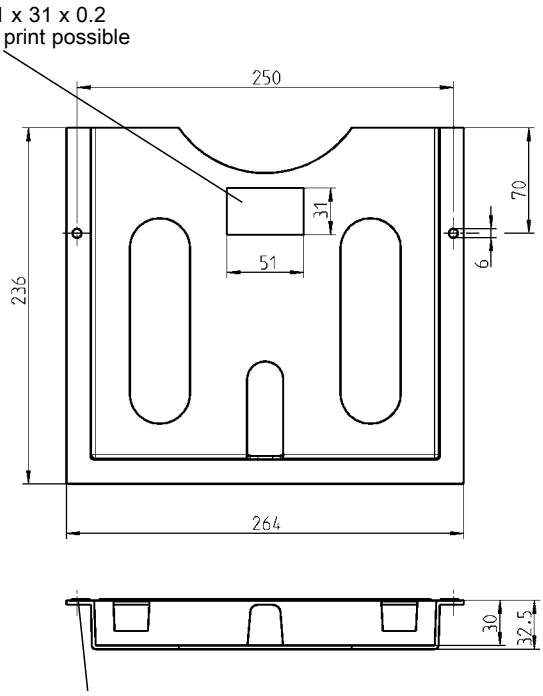
Further parts see page
– Electronic locking systems
Special catalogue Electronics

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Drawing pockets

PROGRAM 1013

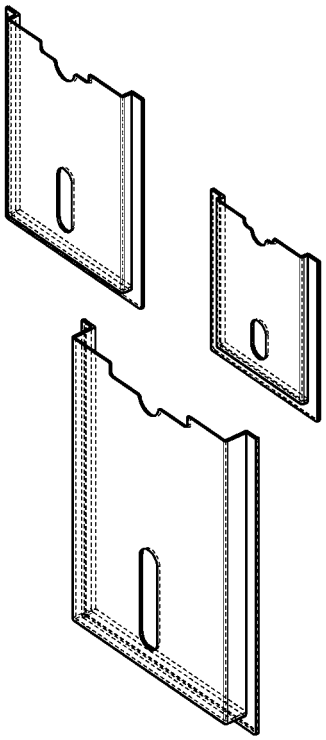


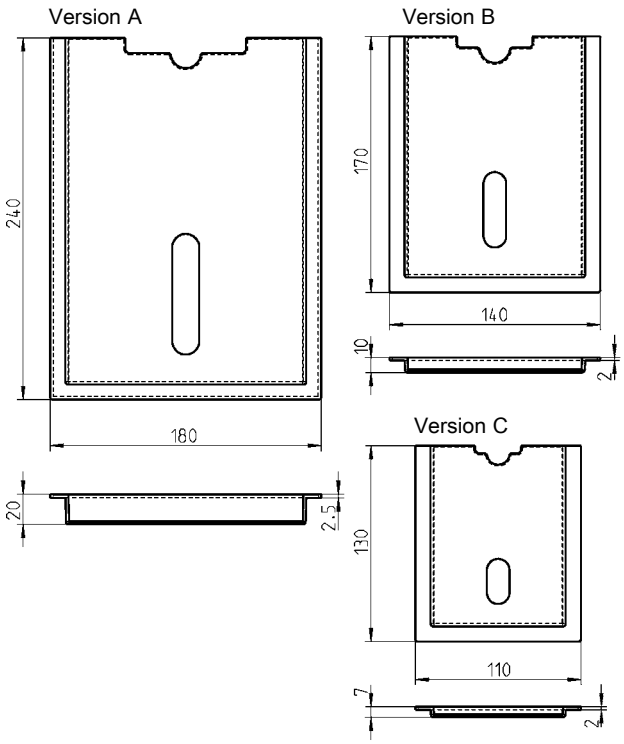






Drawing pocket polystyrene impact-resistant, self-adhesive	
grey	1013-U1
orange	1013-U2







Drawing pocket SAN glass clear, self-adhesive	
Version A	1013-U5
Version B	1013-U4
Version C	1013-U3

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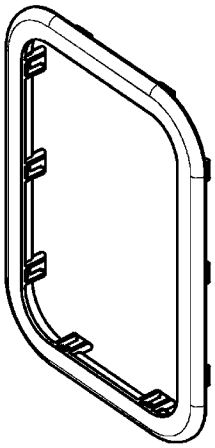
Angular window

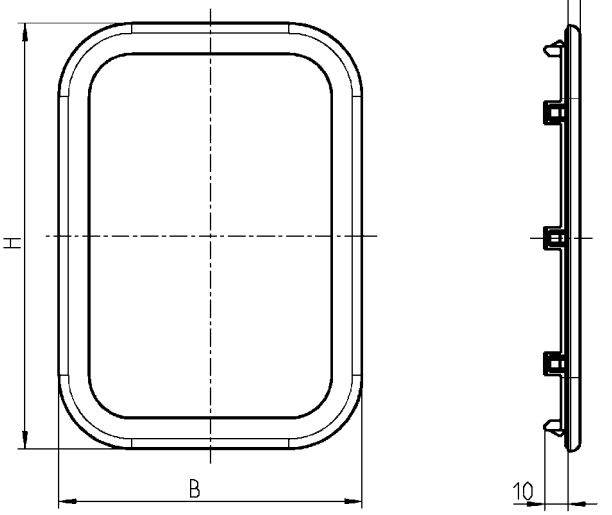
PROGRAM 1250

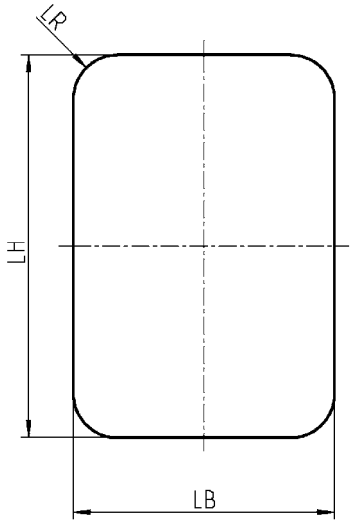












Cut out

Other sizes on request

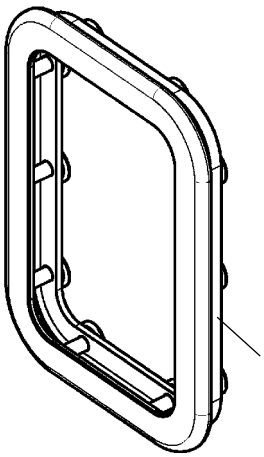
Clip-in window angular polycarbonate glass clear, with seal						
H	B	LH	LB	LR	Ts	
110	110	94.4	94.4	6	1.5	1250-U1
110	110	94.4	94.4	6	2	1250-U3
175	125	157.2	107.2	20	1.5	1250-U2

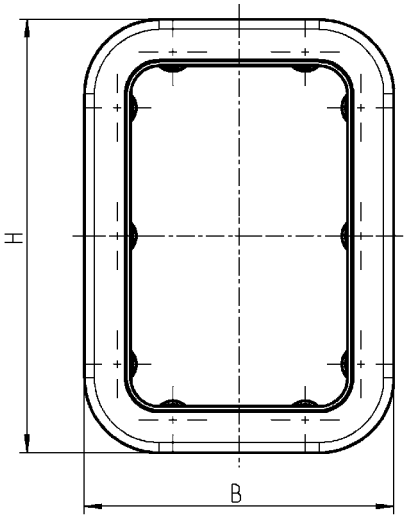
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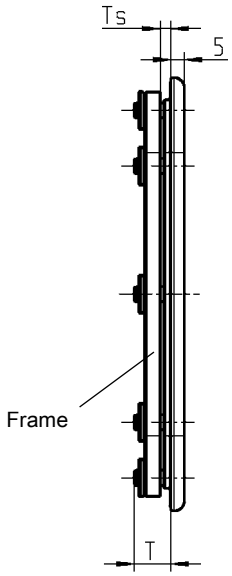
Angular window

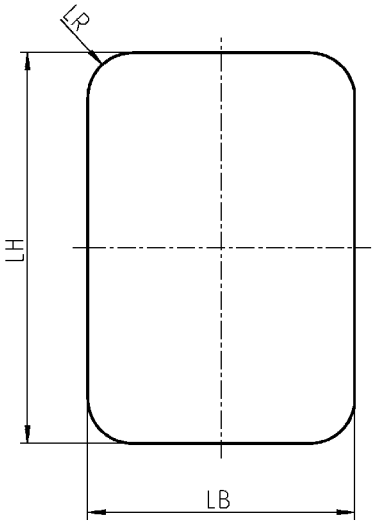
PROGRAM 1250

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Cut out





Angular window polycarbonate glass clear, shaft clamping rings m.s. zinc-plated, with seal							
H	B	T	LH	LB	LR	Ts	
Angular window without frame							
110	110	17	95.5	95.5	6	3 - 13	1250-U4
175	125	15	156.5	107	20	3 - 12	1250-U6
Angular window with frame polycarbonate							
110	110	17	95.5	95.5	6	< 5	1250-U5
175	125	15	156.5	107	20	< 6	1250-U7

Other sizes on request

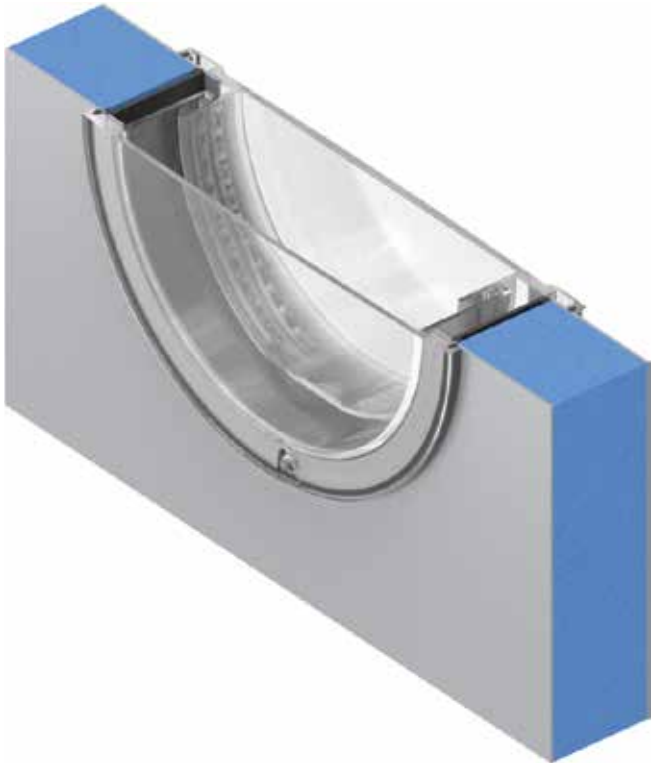
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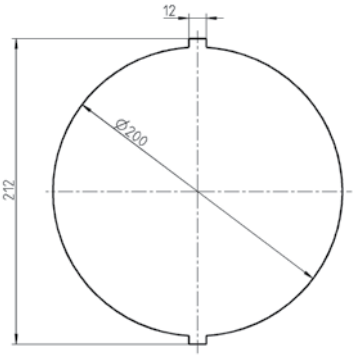
Round window

PROGRAM 1091

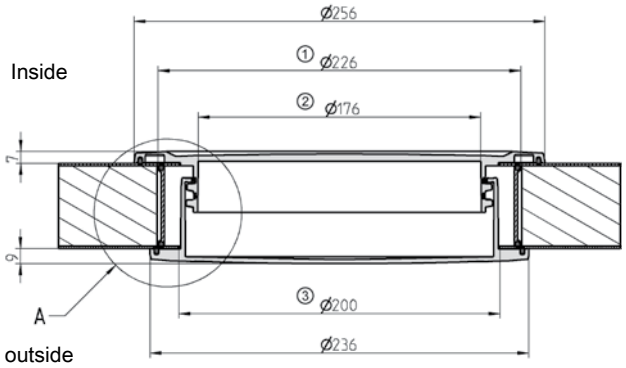






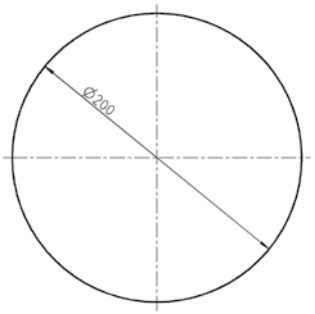


Cut out inside ③

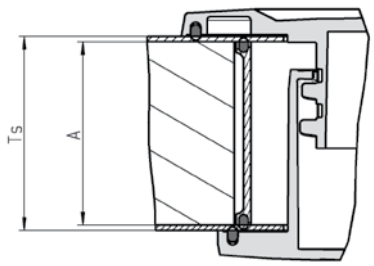


② = visible area





Cut out outside ③

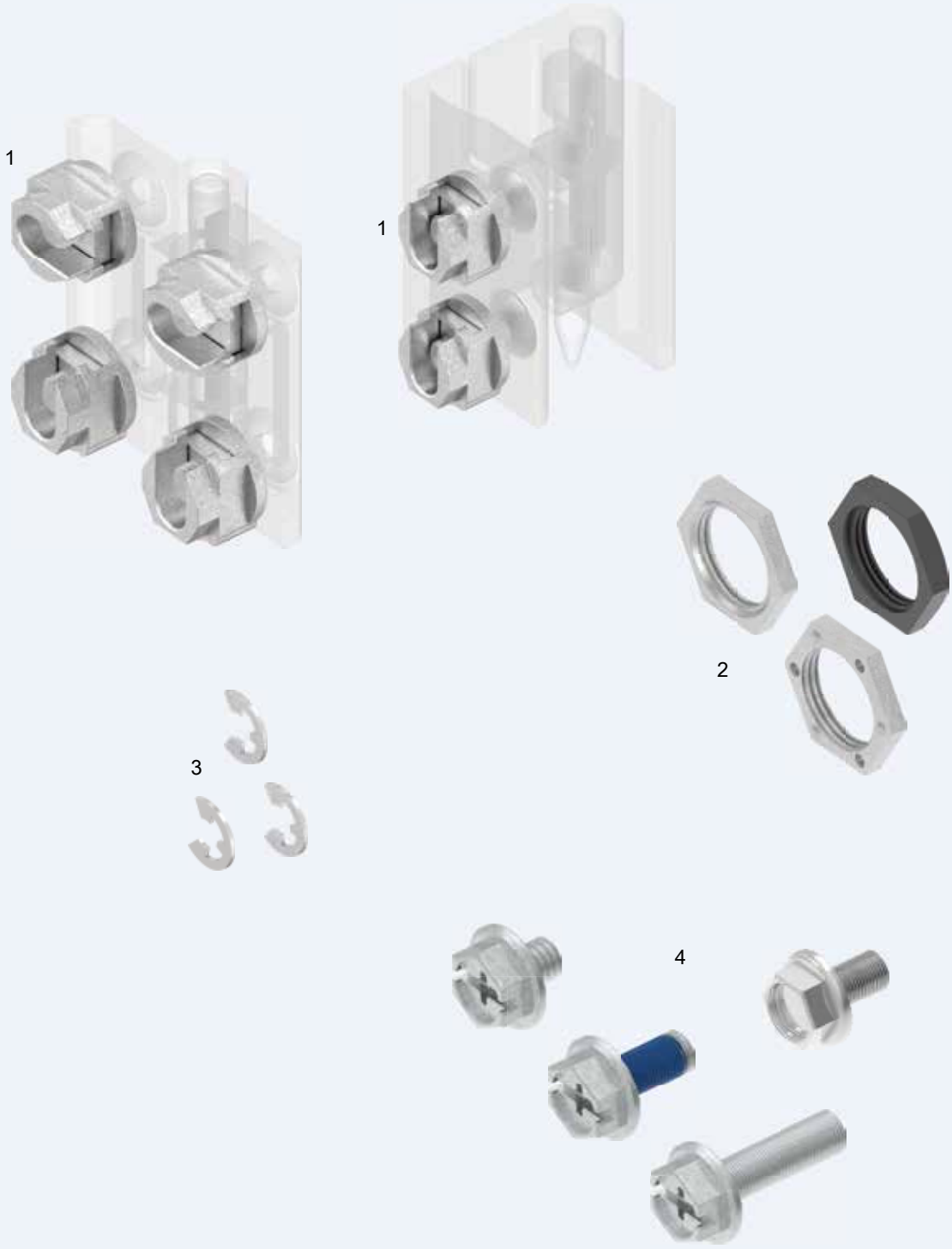


Round window polycarbonate glass clear, with seal	
Ts = 30 - 40	1091-U172-30
Ts = 50 - 60	1091-U172-50
Support ring for round window polyamide black, with seal	
① A = 30	1091-152-30G
① A = 40	1091-152-40G
① A = 50	1091-152-50G
① A = 60	1091-152-60G

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Items printed in gray without stock

Fixing material



1	2D Nut, e.g. for hinge fixing	8E-120
2	Nut for Program 1000, 1001, 1022, 1102, 1103 and 1107	8E-140
3	Circlips DIN 6799	8E-140
4	Locking screw with and without stain coating	8E-160

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2D Nut, e.g. for screw-on hinge

PROGRAM UNIVERSAL



Cut out
Ø 10





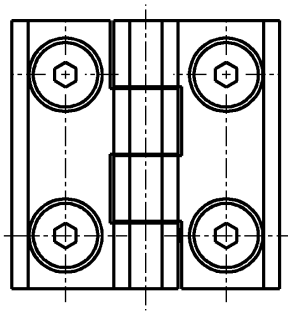
Mounting example:
Catch

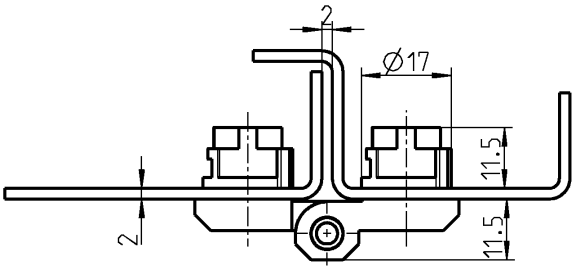


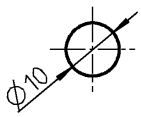
Mounting example:
Hinge for flush door





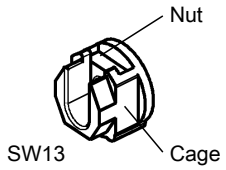






Cut out for 2D nut M6

Attention:
Each 2D nut is
adjustable ± 2 mm
in any direction.





Advantage:
1. No adjustability can be seen from the outside.
2. With the 2D nut, you can convert any hinge or catch that attaches from front to back into a 2D hinge or 2D catch.

Other thread sizes
on request

Further parts see page

– Catch	3ZA-1220
– Hinge for prominent door	4A-138 4A-140 4A-170 4A-210 4A-215 8B-180
– Hinge for flush door	4B-200 4B-210 4B-212 4B-215 4B-245 4B-320
– Cover stay	8C-140 8C-160 8C-220

2D Nut cage zinc die zinc-plated; nut m.s. zinc-plated	
M6 with SW 13	1056-U51

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Nut,
Circlip

PROGRAM UNIVERSAL

Nut

EDELSTAHL Rostfrei STAINLESS STEEL

AISI INOX

Earth-safe screw-in quarter turn program

When using the illustrated earthing nut, the screw-in sash fastener complies with **VDE regulation 0660/Part 5.**

The earthing nut is provided with teeth and removes the lacquer coating in a limited area when tightened, thus ensuring metallic bonding.

Underlaid serrated washers are no longer sufficient for the paint qualities used today.

Earthing must be checked by a qualified electrician at the cabinet.







Nut M16x1 for Program 1022

	Zinc die	m.s. zinc-plated
Nut	–	1022-05-JB
Earthing nut	1022-11-01KA	1022-11-JB

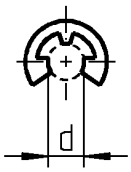
Nut M22x1.5 for Program 1000

	m.s. zinc-plated	AISI 303	Polyamide GF
Nut	1000-02-JB	1000-02-PF	1000-02-SI
Earthing nut	1000-111-JB	–	–



Circlip

EDELSTAHL Rostfrei STAINLESS STEEL





Circlip DIN 6799

d	m.s. zinc-plated	AISI 303
4	000039	–
5	000042	000041
6	000048	–
8	000154	–

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Items printed in gray without stock

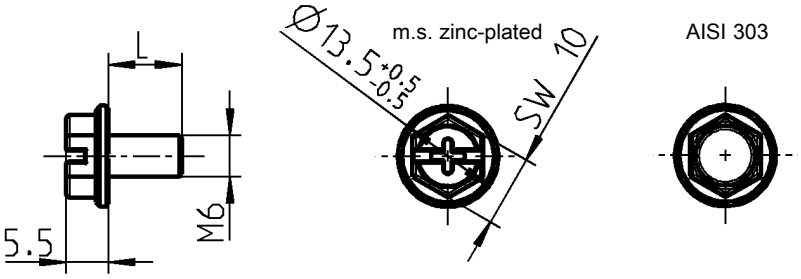
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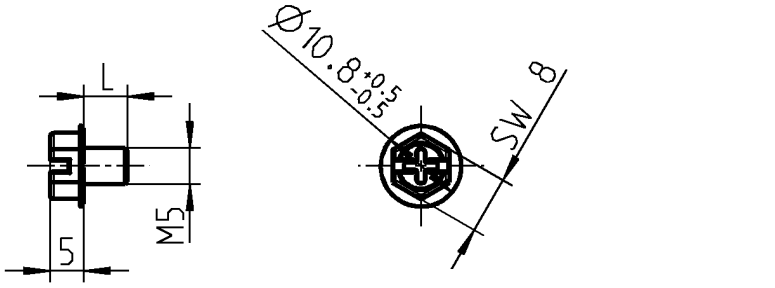
Locking screw

PROGRAM UNIVERSAL

EDELSTAHL Rost frei STAINLESS STEEL

AISI INOX















Locking screw with Philips head, slot and hexagon (not for AISI 303)			
M6xL	**m.s. zinc-plated**	**m.s. zinc-plated spot-coated**	**AISI 303**
6	1000-277-02JB	1000-277-02JC	–
8	1000-277-03JB	1000-277-03JC	–
10	1000-277-01JB	1000-277-01JC	1000-277-01PI
16	1000-277-11JB	1000-277-11JC	–
20	1000-277-04JB	1000-277-04JC	–
23	–	1000-277-13JC	–
25	1000-277-05JB	1000-277-05JC	–
30	1000-277-06JB	–	–
40	1000-277-07JB	–	–
50	1000-277-21JB	–	–
M5xL			**m.s. zinc-plated**
6			1000-277-09JB

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Special catalogue

EMKA Electronics



You will find all electronic locking solutions in our 52-page special catalogue:

Electronic Locking Systems for Cabinets and Housings



Download

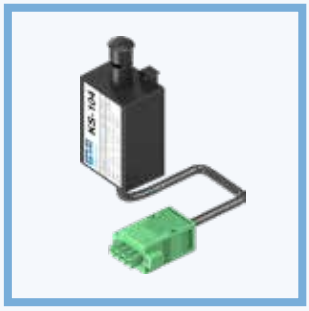
Content



1 Electronic locks



2 Units / Control units



3 Sensors



4 Accessories



5 Software

Electronic locking solutions
Extract from the special catalogue

Agent E Wireless

- Swinghandle with wireless communication
- Unique authentication via RFID cards
- Remote opening is always possible in addition
- Complete recording of results
- Installation in cabinets from different manufacturers via adapter
- Simplest installation without wiring
- For new systems and for retrofitting
- Extremely energy-efficient battery operation (battery life min. 3 years)





Low power outdoor handle

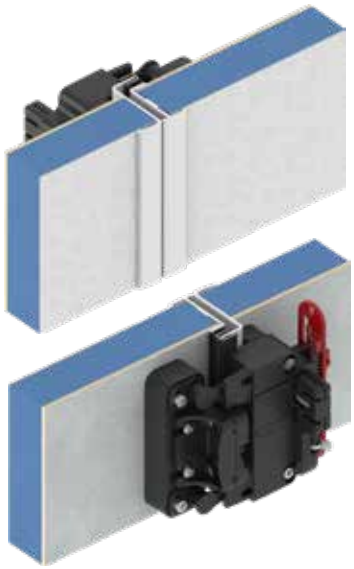
- Securing passive enclosures (without own power supply)
- Extremely low power consumption (150 mA, standby 0 mA)
- Ideally suited for access control systems with battery operation or inductive power supply
- Integrated push button to activate the access control system
- Signalling of the handle status (OPEN / CLOSED)
- Resistance class RC2
- Optional locking cylinder for mechanical emergency opening

Software EMKA Control Cockpit

- User Management
- System administration
- Real-time monitoring
- Configurable screen views
- Measured value storage
- Logging and analysis
- Remote access
- Integration into third party systems



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ePush Lock / Electromechanical flap lock

- Locking solution without visible components on the outside
- Opening and closing by pressing the flap / door
- No interruption of the outer sealing due to mounting on the inside
- Integrated emergency opening on the locking element
- Optional connection to the central locking system
- Usable as a building block for the alarm monitoring of the flap
- Distance adapter & protective cover (optionally available)
- German Innovation Award winner 2019
- Patented

eCam / Electromechanical cam lock

- Universally usable electromechanical lock for all type of locks with cam
- Easy installation in new and existing systems
- Emergency opening via bowden cable (optional)
- Locking / Unlocking via Stand-Alone solution with keypad or RFID card reader
- Integrable into access controls or machine controls
- Certified as position switch according to EN ISO 14119 (machinery directive)
- Performance level d according to EN 13849





Single-point latch

- Usable in various applications as a concealed lock
- Available in 4 different versions:
  - Direct closing
  - Delayed closing
  - Opening in case of power failure
  - Opening by control pulse
- Wide supply voltage range (9 ... 32 V)
- Switch for remote monitoring of status / door status
- Emergency opening via bowden cable (optional)
- Protection class up to IP 55
- Variant with approval UL508 Ex (UL HazLoc) available

You will find all electronic locking solutions in our 52-page special catalogue:

Electronic Locking Systems for Cabinets and Housings



Download

Special catalogue

Seals



All standard profiles as well as further information on the subject of seals can be found in our 108-page special catalogue:

Sealing Technology made to measure - Profiles and Frames from In-House Production



Download

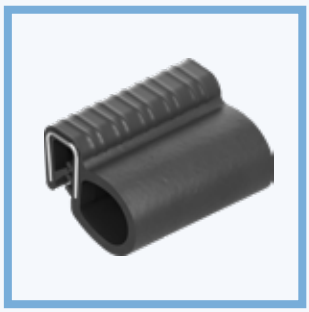
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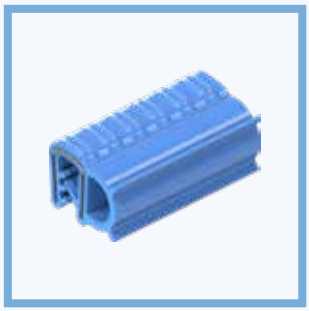
1 Profiles for industrial applications



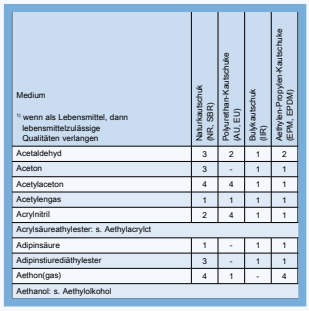
2 Profiles made of fire protection material



3 Profiles according to VDI guideline 6022



4 Profiles for the food industry

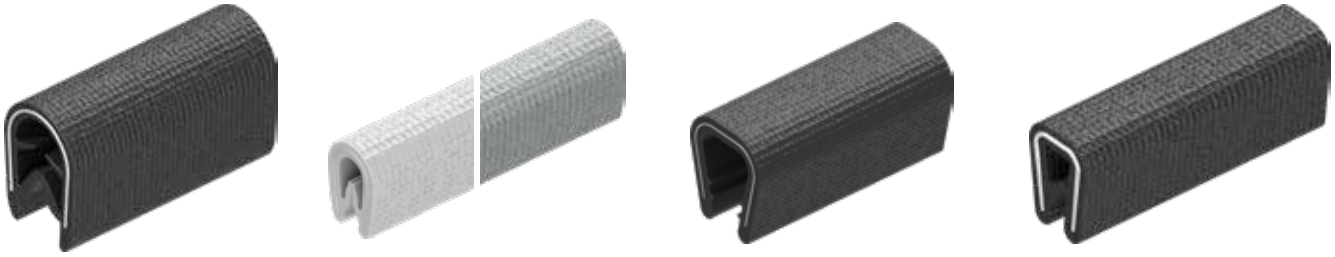


Medium *) wenn als Lebensmittel, dann lebensmittelzulässige Qualitäten verlangen	Naturkautschuk (NR, IsoPr)	Polyurethan-Kautschuke (AU, EU)	Butylkautschuk (IIR)	Aethylen-Propylen-Kautschuke (EPM, EPDM)
Acetaldehyd	3	2	1	2
Aceton	3	-	1	1
Acetylaceton	4	4	1	1
Acetylengas	1	1	1	1
Acrylnitril	2	4	1	1
Acrylsäureathylester: s. Aethylacrylct				
Adipinsäure	1	-	1	1
Adipinstiurediäthylester	3	-	1	1
Aethon(gas)	4	1	-	4
Aethanol: s. Aethylolkohol				

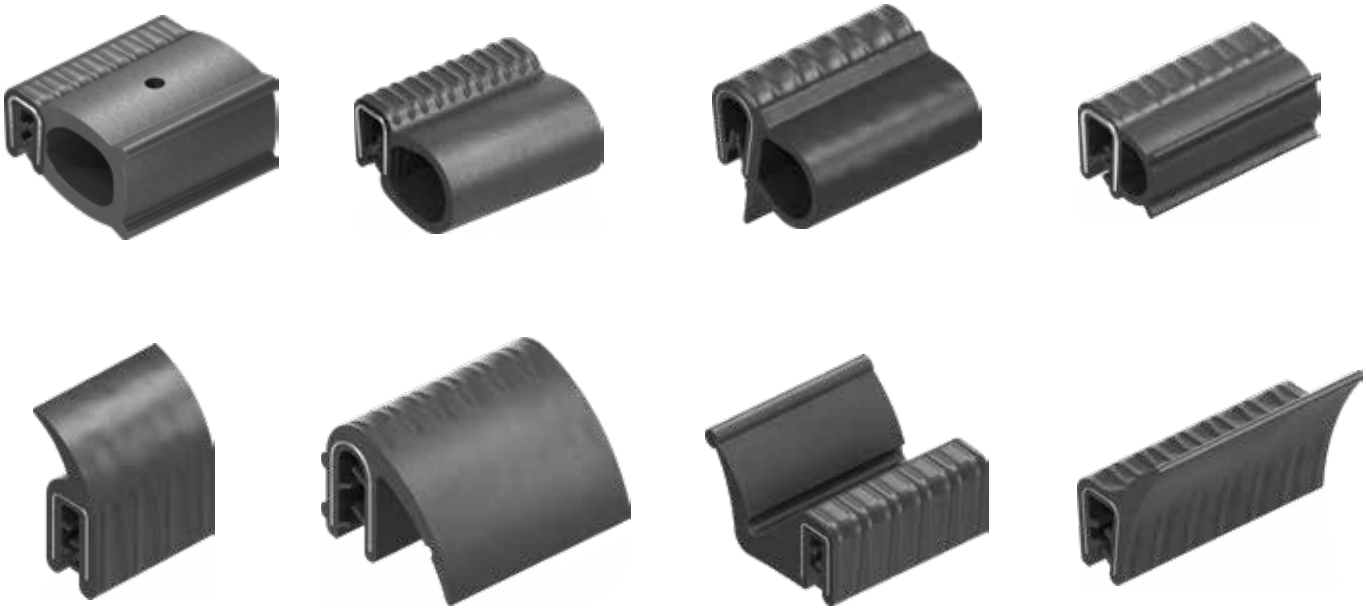
5 Resistance list

Seals
Extract from the special catalogue

Edge protection profiles



Self-clamping sealing profiles



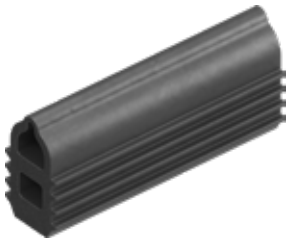
Self-clamping sealing profiles made of fire protection material



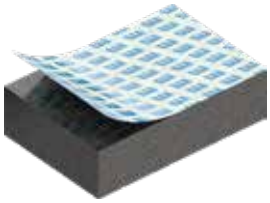
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U-section profiles



Profiles with adhesive tape



Clamping and holding profiles





All standard profiles as well as further information on the subject of seals can be found in our 108-page special catalogue:

Sealing Technology made to measure - Profiles and Frames from In-House Production



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Special catalogue

Toggle latches / Cylinder quarter turns



All toggle latches and cylinder quarter turns as well as other products can be found in the special catalogs of STRENGER GmbH:



STRENGER
Cylinder quarter turns



STRENGER
Toggle latches and handles

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STRENGER Beschläge

A member of the EMKA Group

STRENGER
A member of the EMKA Group

STRENGER is the reliable partner when it comes to progressive locking solutions for buildings.

STRENGER develops and manufactures products for a wide range of plastic, wood, metal and glass applications, from simple latches to complex locking mechanisms.

Whatever project has to be realized; from STRENGER there is the right product for every demand. As one of the leading manufacturer of latches in Europe with meanwhile 175 years of experience, STRENGER offers an extensive standard program as well as custom-made products for many fields of application.

The technical know-how and the quality of "Made in Europe" also makes STRENGER an internationally sought-after specialist.



Toggle latches / Cylinder quarter turns
Extract from the special catalogue

Toggle latches










Hook






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Cylinder quarter turns







All toggle latches and cylinder quarter turns as well as other products can be found in the special catalogs of STRENGER GmbH:



STRENGER
Cylinder quarter turns



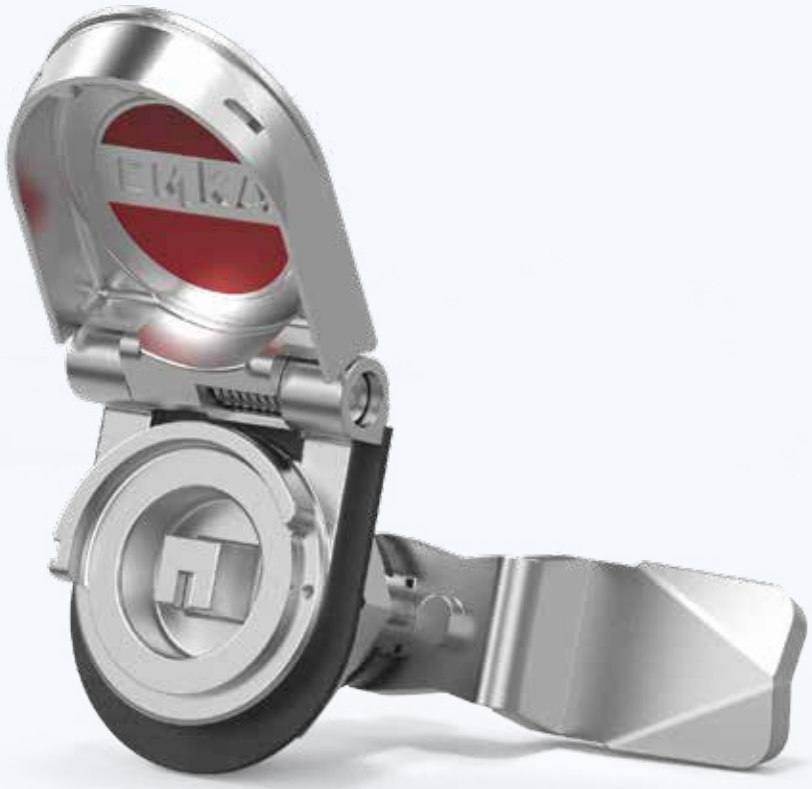
STRENGER
Toggle latches and handles

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Special catalogue

Railway vehicles



All products for railway vehicles can be found in our 140-page special catalogue:

Ingenious Locking Technology for the Railway Industry

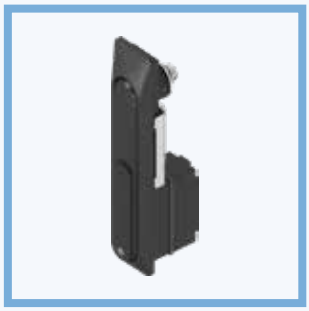


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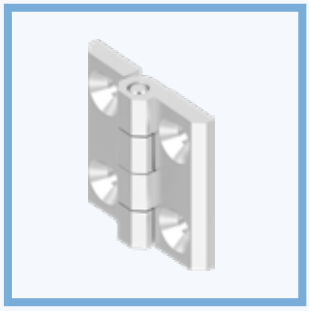
Content



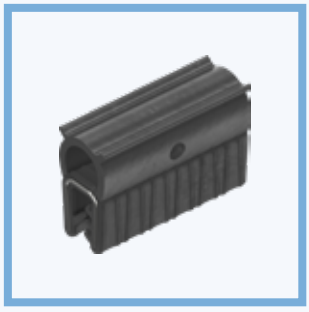
1 Locks and Latches



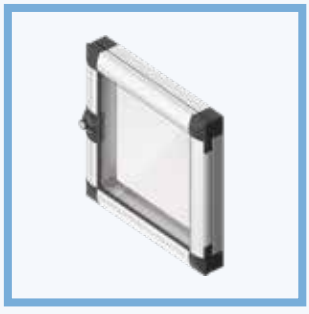
2 Locking systems



3 Hinges



4 Sealing Profiles and Edge Protection



5 Accessories

Products for railway vehicles
Extract from the special catalogue



Compression latch with optical opening indicator

- Opening indicator through upright cover, optionally with red pad printing
- When the compression latch is open, the cover stops at approx. 90°
- Cover can be opened up to 180° if required
- Compression distance: 6 mm
- Fire protection tested acc. to DIN EN 45545-2, E30
- Tamper and vibration proof acc. to DIN EN 61373
- Protection class IP 69K



Hybrid compression latch

- Combination of stainless steel and aluminum
- Weight savings approx. 30%
- Attractive price advantages
- Fire protection tested acc. to DIN EN 45545-03, E20
- Designed to be vibration-proof acc. to DIN EN 61373
- Protection class IP 65
- Various inserts available (square, triangular, railway, etc.)



Stainless steel compression latch with red - green marking

- Insert and head sharpened and high polished available
- Tamper and vibration-proof
- Right-hand and left-hand version available
- Red - green marking
- Can be combined with dust cap



Flat swinghandle with locking set

- Flat design
- Easy exchangable locking unit inserts (locking sets)
- Suitable for standard cut out
- Pre-assembled swinghandle and dish
- Permanent magnet holds the cylinder cover
- Integrated scratch protection prevents surface damage (handle / dish)
- Swinghandle, locking sets and adapter for cam made of zinc die
- Patent submitted

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Compression latch sytem for swinghandles and quarter turns

- Compression function
- Latch and cut out independent for compression latch system
- Corner guide can be used for additional latches in transverse installation
- High closing comfort
- Patented











Certificate DIN EN 45545-2 EPDM

Fire protection seals - also as ring, corner, frame

- Flame retardant for more safety
- Profile geometry also individually according to customer requirements
- Readily customized frames and rings according to customer specifications possible
- Reliable top quality from in-house production in Europe

All products for railway vehicles can be found in our 140-page special catalogue:

Ingenious Locking Technology for the Railway Industry



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Special catalogue

HVACR



You can find all products for the HVACR industry in our 120-page special catalogue:

Ingenious Locking Technology for HVACR systems according to VDI 6022



Download

Content



1 Locks and Latches



2 Hinges



3 Seals



4 Accessories

Products for the HVACR sector
Extract from the special catalogue

Modular locking system

- New modular handle with ergonomic design
- Suitable for doors opening inwards and outwards
- Suitable for various door thicknesses (25 - 110 mm)
- Fits 2 standard cut outs (13 mm, 19 mm)
- Interchangeable locking sets for external or internal locking (blind plug, round cylinder, square, other inserts on request)
- Adjustable roller cam
- Adjustable eccentric roller
- Removable handle, e.g. for transport
- Meets the industry-specific national and international standards
- Conforms with the entire EMKA program
- Material: Polyamide with glass fibre (VDI 6022 / ISO 846 compliant materials)
- Air Tightness class L1-L3 possible
- Protected design





Modular door lock with inside handle

- New modular locking system especially for use on large doors (>1.6 m door height)
- Various inserts and handle options in combination with different cams possible (stepped cam, pressure relief cam, etc.)
- System for various door thicknesses available (50 mm - 60 mm)
- Also available as a version without inside handle
- VDI 6022 / ISO 846 compliant materials on the inside of the door

3D Unit connector

- 3D positioning through spherical shaping with max.
  X-axis 7 mm
  Y-axis 3 mm
  Z-axis 5 mm
- Fixing by M6 cylinder screws or riveted bolts possible
- Cylinder screw included
- Industry standard mounting dimensions
- Covering cap optionally available
- VDI 6022 / ISO 846 compliant materials



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Latch-Hinge

- When the door is closed, the latch is adjustable (3 mm) to achieve perfect alignment
- The favourable pivot point of the handle makes a seal compression of 5 mm possible using low actuation forces
- Door or panel can be removed by unlatching the handles on both sides
- 3D adjustable (tolerance compensation)
- Latch hinge can be mounted as one piece with the door / flap in place
- Right or left hinged
- Hinge 180° opening angle
- Optional available with safety function "pressure relief"



Compression Latch-Hinge small



Compression Latch-Hinge medium



Compression Latch-Hinge large



Seals according to VDI 6022 - also as ring, corner, frame

- Higher functionality when sealed with sponge rubber in the hose area
- Do not provide any breeding ground for microorganisms
- Easy to clean
- Moisture resistant
- Odourless

You can find all products for the HVACR industry in our 120-page special catalogue:

Ingenious Locking Technology for HVACR systems according to VDI 6022



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Special catalogue

Commercial vehicles / Caravan



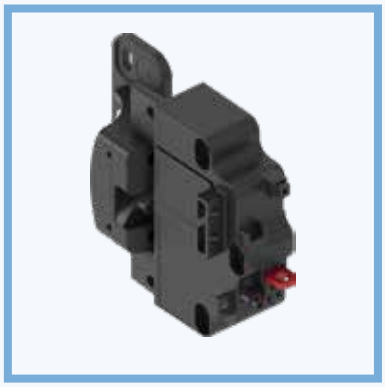
All products for commercial vehicles / caravan can be found in our 164-page special catalogue:

Ingenious Locking Technology for Mobile Homes, Buses and Trailers



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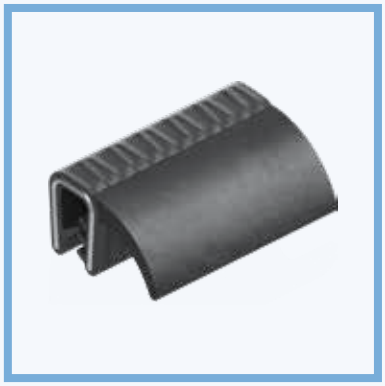
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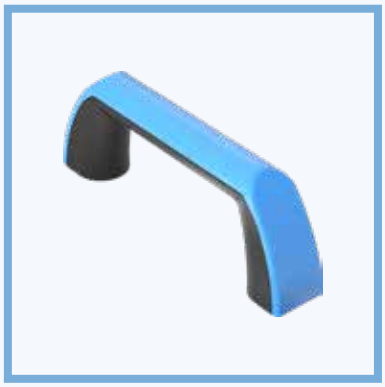
1 Locks and Latches



2 Hinges



3 Seals



4 Accessories

Products for Commercial vehicles / Caravan
Extract from the special catalogue

Compression latch 'Double Red'

- Compression latch with two visual opening indicators in red
- Two new, cost-optimized variants of the well-known compression latch 'Double-Red' by omitting of the opening indicators
  - ▸ Variant in white for a special look
  - ▸ Variant in black made of ECO material
- Rotary handle can only be locked in the closed position
- Robust solution for many years of use
- Tamper and vibration-proof acc. to DIN EN 61373
- Patented



'Double Red'
with visual opening indicators



Basic white
(UV-stabilised)

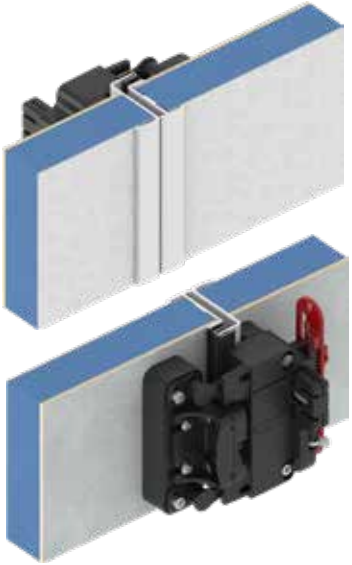


Basic
ECO black

Retractable T-handle

- Flush lock with modern design
- Ergonomic haptics and comfortable handle size (can also be operated with gloves)
- Optical opening indicator by handle position
- Wide range of locking sets (standard cam, roller cam, hook cam, rotary latch, etc.)
- Numerous, easily exchangeable inserts (round cylinder, square, double bit, slot, etc.)
- Compression function
- Suitable for all common door thicknesses
- Protection class IP 65 and optional dust cap for round cylinder





ePush Lock / Electromechanical flap lock

- Locking solution without visible components on the outside
- Opening and closing by pressing the flap / door
- No interruption of the outer sealing due to mounting on the inside
- Integrated emergency opening on the locking element
- Optional connection to the central locking system
- Usable as a building block for the alarm monitoring of the flap
- Distance adapter & protective cover (optionally available)
- German Innovation Award winner 2019
- Patented

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180° Gear hinge

- High quality gear hinge
- Economic structure and design
- Compact construction
- Concealed, not visible
- Opening angle 180°
- Right and left usable
- For doors / flaps up to 40 kg (when using 4 hinges)
- System related, small clearance
- Fixing function optional
- Maintenance-free
- Patented

Emergency hammer

- Emergency hammer in three variants:
  - ▸ Emergency hammer Basic
  - ▸ Emergency hammer with hand protection
  - ▸ Emergency hammer with hand protection and belt cutter
- Holder in two versions:
  - ▸ Basic
  - ▸ Holder with hidden anti-theft protection
- Uniform cut out of the holders
  (Basic and with integrated anti-theft protection)
- Glass fibre reinforced plastic
- Hardened steel tip, destroys tempered and laminated glass as well as insulating glass





Seals - also as ring, corner, frame

- More than 1,500 standard sealing profiles
- Profile geometry also individually according to customer requirements
- Readily customized frames and rings according to customer specifications possible
- Reliable top quality from in-house production in Europe

All products for commercial vehicles / caravan can be found in our 164-page special catalogue:

Ingenious Locking Technology for Mobile Homes, Buses and Trailers



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Beschlagteile

Index by part number

Part no.	Catalogue page
000039	8E-140
000041	8E-140
000042	8E-140
000048	8E-140
000104	3ZA-340
000154	8E-140
1000-02-JB	8E-140
1000-02-PF	8E-140
1000-02-SI	8E-140
1000-04	2A-120
1000-05	2A-120
1000-06	2A-120
1000-07	2A-120
1000-08	2A-120
1000-09	2A-120
1000-10	1C-120
1000-10	3YA-820
1000-10	3YA-840
1000-10	3YB-440
1000-10	3ZD-240
1000-11	1B-820
1000-11	1C-120
1000-11	3YA-820
1000-11	3YA-840
1000-11	3YB-440
1000-11	3ZD-240
1000-12	1B-820
1000-12	1C-120
1000-12	3YA-820
1000-12	3YA-840
1000-12	3YB-440
1000-12	3ZD-240
1000-13	1B-340
1000-13	1B-820
1000-13	1C-120
1000-13	3YA-820
1000-13	3YA-840
1000-13	3YB-440
1000-13	3ZD-240
1000-14	1B-340
1000-14	1B-820
1000-14	1C-120
1000-14	3YA-820
1000-14	3YA-840
1000-14	3YB-440
1000-14	3ZD-240
1000-15	1B-340
1000-15	1B-820
1000-15	1C-120
1000-15	3YA-820
1000-15	3YA-840
1000-15	3YB-440
1000-15	3ZD-240
1000-16	1B-340
1000-16	1B-820
1000-16	1C-120
1000-16	3YA-820
1000-16	3YA-840
1000-16	3YB-440
1000-16	3ZD-240
1000-17	1B-340
1000-17	1B-820
1000-17	1C-120
1000-17	3YA-820
1000-17	3YA-840
1000-17	3YB-440
1000-17	3ZD-240
1000-18	1B-340
1000-18	1B-820
1000-18	1C-120
1000-18	3ZD-240
1000-19	1B-340
1000-19	1B-820
1000-19	1C-120
1000-19	3ZD-240
1000-20	1B-340
1000-20	1B-820
1000-20	1C-120
1000-20	3ZD-240
1000-21	1B-340
1000-21	1B-820
1000-21	1C-120
1000-21	3ZD-240
1000-22	1B-340
1000-22	1B-820
1000-22	1C-120
1000-22	3ZD-240
1000-23	1B-140
1000-23	1B-160
1000-23	1B-360
1000-23	1B-760
1000-23	1B-840
1000-23	1B-860
1000-23	1B-940
1000-23	1C-320
1000-23	2A-120
1000-24	1B-140
1000-24	1B-160
1000-24	1B-360
1000-24	1B-760
1000-24	1B-840
1000-24	1B-860
1000-24	2A-120
1000-25	1B-820
1000-25	1C-120
1000-25	3YA-820
1000-25	3YA-840
1000-25	3YB-440
1000-25	3ZD-240
1000-26	1B-820
1000-26	1C-120
1000-26	3YA-820
1000-26	3YA-840
1000-26	3YB-440
1000-26	3ZD-240
1000-27	1B-340
1000-27	1B-820
1000-27	1C-120
1000-27	3YA-820
1000-27	3YA-840
1000-27	3YB-440
1000-27	3ZD-240
1000-27	4A-280
1000-28	1B-340
1000-28	1B-820
1000-28	1C-120
1000-28	3YA-820
1000-28	3YA-840
1000-28	3YB-440
1000-28	3ZD-240
1000-33	1C-620
1000-33	3ZB-120
1000-34	1C-620
1000-34	3ZB-120
1000-35	1C-620
1000-35	3ZB-120
1000-36	1C-620
1000-36	3ZB-120
1000-37	1C-620
1000-37	3ZB-120
1000-38	1C-620
1000-38	3ZB-120
1000-39	1C-620
1000-39	3ZB-120
1000-48	1C-180
1000-49	1C-180
1000-50	1B-340
1000-50	1B-820
1000-50	1C-120
1000-50	3YA-820
1000-50	3YA-840
1000-50	3YB-440
1000-50	3ZD-240
1000-51	1B-820
1000-51	1C-120
1000-51	3YA-820
1000-51	3YA-840
1000-51	3YB-440
1000-51	3ZD-240
1000-52	1B-820
1000-52	1C-120
1000-52	3YA-820
1000-52	3YA-840
1000-52	3YB-440
1000-52	3ZD-240
1000-53	1B-820
1000-53	1C-120
1000-53	3YA-820
1000-53	3YA-840
1000-53	3YB-440
1000-53	3ZD-240
1000-54	1B-820
1000-54	1C-120
1000-54	3YA-820
1000-54	3YA-840
1000-54	3YB-440
1000-54	3ZD-240
1000-55	1B-820
1000-55	1C-120
1000-55	3YA-820
1000-55	3YA-840
1000-55	3YB-440
1000-55	3ZD-240
1000-56	1B-820
1000-56	1C-120
1000-56	3YA-820
1000-56	3YA-840
1000-56	3YB-440
1000-56	3ZD-240
1000-59	2A-120
1000-61	1C-160
1000-64	2A-120
1000-91	1C-160
1000-93	1C-160
1000-97-01	1C-320
1000-97-02	1C-340
1000-111-JB	8E-140
1000-112	1B-340
1000-112	1B-820
1000-112	1C-120
1000-112	3ZD-240
1000-113	1B-340
1000-113	1B-820
1000-113	1C-120
1000-113	3ZD-240
1000-114	1C-620
1000-114	3ZB-120
1000-115	1C-620
1000-115	3ZB-120
1000-127	1B-240
1000-179	1C-120
1000-179	3ZD-240
1000-179-PD	1C-120
1000-179-PD	3ZD-240
1000-180	1C-120
1000-180	3ZD-240
1000-180-PD	1C-120
1000-180-PD	3ZD-240
1000-211-L	1C-620
1000-211-L	3ZB-120
1000-221	1C-120
1000-221	3ZD-240
1000-221-PD	1C-120
1000-221-PD	3ZD-240
1000-223	1C-120
1000-223	3ZD-240
1000-223-PD	1C-120
1000-223-PD	3ZD-240
1000-225	1C-120
1000-225	3ZD-240
1000-225-PD	1C-120
1000-225-PD	3ZD-240
1000-227	1C-120
1000-227	3ZD-240
1000-227-PD	1C-120
1000-227-PD	3ZD-240
1000-228	1C-120
1000-228	3ZD-240
1000-228-PD	1C-120
1000-228-PD	3ZD-240
1000-229	1C-120
1000-229	3ZD-240
1000-229-PD	1C-120
1000-229-PD	3ZD-240
1000-230	1C-120
1000-230	3ZD-240
1000-230-PD	1C-120
1000-230-PD	3ZD-240
1000-232	1C-120
1000-244	1B-240
1000-264	1C-380
1000-265	1C-380
1000-266	1C-380
1000-277-01JB	8E-160
1000-277-01JB	1C-125
1000-277-01JC	8E-160
1000-277-01PI	8E-160
1000-277-02JB	8E-160
1000-277-02JC	8E-160
1000-277-03JB	8E-160
1000-277-03JC	8E-160
1000-277-04JB	8E-160
1000-277-04JB	1C-360
1000-277-04JC	8E-160
1000-277-05JB	8E-160
1000-277-05JC	8E-160
1000-277-06JB	8E-160
1000-277-07JB	8E-160
1000-277-09JB	8E-160
1000-277-11JB	8E-160
1000-277-11JC	8E-160
1000-277-13JC	8E-160
1000-277-21JB	8E-160
1000-293	3YB-440
1000-294	3YB-440
1000-295	3YB-440
1000-296	3YB-440
1000-297	3YB-440
1000-298	3YB-440
1000-299	3YB-440
1000-300	3YB-440
1000-301	3YB-440
1000-302	3YB-440
1000-303	3YB-440
1000-304	3YB-440
1000-305	3YB-440
1000-306	3YB-440
1000-307	3YB-440
1000-308	3YB-440
1000-309	3YB-440
1000-310	3YB-440
1000-311	3YB-440
1000-352	2A-120
1000-358	1C-320
1000-358-01	1C-320
1000-359	1C-320
1000-386-18	1B-160
1000-386-18	1C-120
1000-386-20	1B-160
1000-386-20	1C-120
1000-386-22	1B-160
1000-386-22	1C-120
1000-386-24	1B-160
1000-386-24	1C-120
1000-386-28	1B-160
1000-386-28	1C-120
1000-386-30	1B-160
1000-386-30	1C-120
1000-387	1B-240
1000-456-AA	1C-360
1000-456-JB	1C-360
1000-460	1C-340
1000-476	1C-137
1000-477	1C-137
1000-478	1C-137
1000-488-AA	8A-222
1000-488-AA	8A-224
1000-488-AA	8A-230
1000-488-AA	8A-232
1000-510-01AA	1C-170
1000-526-AA	3ZB-180
1000-551	1B-180
1000-551-01	1B-180
1000-551-02	1B-180
1000-556-KA	1C-125
1000-590	1B-170
1000-590-CX	1B-170
1000-591	1B-170
1000-591-CX	1B-170
1000-593	1B-170
1000-593-CX	1B-170
1000-594	1B-170
1000-594-CX	1B-170
1000-595	1B-170
1000-595-CX	1B-170
1000-597	1B-170
1000-597-CX	1B-170
1000-598	1B-170
1000-598-CX	1B-170

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Items printed in gray without stock

Index by part number

Part no.	Catalogue page
1000-599	1B-170
1000-599-CX	1B-170
1000-601	1B-170
1000-601-CX	1B-170
1000-603	1B-170
1000-990	1B-120
1000-990	1B-140
1000-990	1B-840
1000-990	1B-860
1000-991	1B-140
1000-991	1B-840
1000-991	1B-860
1000-5043-SI	1C-120
1000-5046	1B-160
1000-5046	1C-120
1000-5046	3YA-820
1000-5046	3YA-840
1000-5046-SI	1C-120
1000-5119	1B-160
1000-5119	1C-120
1000-5119	3YA-820
1000-5119	3YA-840
1000-5161	1B-160
1000-5161	1C-120
1000-5161	3YA-820
1000-5161	3YA-840
1000-5164	1B-160
1000-5164	1C-120
1000-5164	3YA-820
1000-5164	3YA-840
1000-SU324	1B-222
1000-SU720	1B-222
1000-SU724	1B-222
1000-SU725	1B-222
1000-SU730	1B-222
1000-SU733	1B-222
1000-SU735	1B-222
1000-SU736	1B-222
1000-SU752	1B-222
1000-SU861	1B-222
1000-SU925-LIPH	1B-225
1000-SU925-REPH	1B-225
1000-SU925-01REPH	1B-225
1000-SU925-02LIPH	1B-225
1000-SU925-03LIPH	1B-225
1000-SU925-03REPH	1B-225
1000-SU1167	1B-222
1000-SU1186-02LI	1B-225
1000-U1	1B-140
1000-U2	1B-140
1000-U3	1B-140
1000-U4	1B-140
1000-U5	1B-140
1000-U6	1B-140
1000-U7	1B-140
1000-U7-G	1B-140
1000-U9	1B-560
1000-U10	1B-560
1000-U10-PH	1B-560
1000-U11	1B-560
1000-U11-PH	1B-560
1000-U12	1C-180
1000-U13	1B-140
1000-U14	1B-580
1000-U15	1B-580
1000-U15-PH	1B-580
1000-U16	1B-580
1000-U16-PH	1B-580
1000-U17	1B-140
1000-U18	1B-140
1000-U20	1B-140
1000-U21	1C-120
1000-U22	1C-120
1000-U23	1C-120
1000-U24	1C-120
1000-U25	1C-120
1000-U26	1C-120
1000-U26	3YB-440
1000-U27	1C-120
1000-U27	3YB-440
1000-U28	1C-120
1000-U28	3YB-440
1000-U29	1C-120
1000-U29	3YB-440
1000-U30	1C-120
1000-U30	3YB-440
1000-U31	1C-120
1000-U31	3YB-440
1000-U32	1C-120
1000-U32	3YB-440
1000-U33	1C-120
1000-U33	3YB-440
1000-U34	1C-120
1000-U34	3YB-440
1000-U35	1C-120
1000-U35	3YB-440
1000-U36	1C-120
1000-U36	3YB-440
1000-U37	1C-120
1000-U37	3YB-440
1000-U38	1C-120
1000-U38	3YB-440
1000-U39	1C-120
1000-U39	3YB-440
1000-U40	1C-120
1000-U40	3YB-440
1000-U41	1C-120
1000-U41	3YB-440
1000-U42	1C-120
1000-U42	3YB-440
1000-U43	1C-120
1000-U43	3YB-440
1000-U44	1C-120
1000-U44	3YB-440
1000-U45	1B-140
1000-U45-G	1B-140
1000-U46	1B-140
1000-U46-D	1B-120
1000-U47	1B-140
1000-U47-G	1B-140
1000-U49	1C-620
1000-U49	1C-620
1000-U49	3ZB-120
1000-U51	1B-140
1000-U54	1B-140
1000-U54-G	1B-140
1000-U55	1B-140
1000-U55-G	1B-140
1000-U56	1B-140
1000-U56-G	1B-140
1000-U57	1B-580
1000-U58	1B-580
1000-U59	1B-580
1000-U60	1B-560
1000-U61	1B-560
1000-U62	1B-560
1000-U63	1C-120
1000-U64	1C-120
1000-U65	1B-140
1000-U66	1B-140
1000-U67	1B-140
1000-U68	1B-140
1000-U69	1B-140
1000-U78	1B-140
1000-U89	1B-620
1000-U90	1B-620
1000-U91	1B-620
1000-U92	1B-620
1000-U93	1B-620
1000-U94	1B-620
1000-U95	1B-620
1000-U96	1B-140
1000-U98	1B-580
1000-U99	1B-580
1000-U100	1B-580
1000-U101	1B-580
1000-U102	1B-580
1000-U103	1B-580
1000-U104	1B-580
1000-U105	1B-580
1000-U106	1B-580
1000-U107	1B-580
1000-U108	1B-580
1000-U109	1B-580
1000-U110	1B-580
1000-U111	1B-580
1000-U112	1B-580
1000-U113	1B-580
1000-U114	1B-580
1000-U115	1B-580
1000-U116	1B-560
1000-U117	1B-560
1000-U118	1B-560
1000-U119	1B-560
1000-U120	1B-560
1000-U121	1B-560
1000-U122	1B-560
1000-U123	1B-560
1000-U124	1B-560
1000-U125	1B-560
1000-U126	1B-560
1000-U127	1B-560
1000-U128	1B-560
1000-U129	1B-560
1000-U130	1B-560
1000-U131	1B-560
1000-U132	1B-560
1000-U133	1B-560
1000-U134	1B-140
1000-U135	1B-140
1000-U136	1B-140
1000-U137	1B-140
1000-U138	1B-140
1000-U139	1C-120
1000-U140	1C-120
1000-U141	1C-620
1000-U141	1C-620
1000-U141	3ZB-120
1000-U142	1B-140
1000-U144-L	1C-620
1000-U144-L	3ZB-120
1000-U149	1B-540
1000-U150	1B-540
1000-U150-PH	1B-540
1000-U151	1B-540
1000-U151-PH	1B-540
1000-U152	1B-540
1000-U153	1B-540
1000-U154	1B-540
1000-U155	1B-140
1000-U155-D	1B-120
1000-U155-G	1B-140
1000-U157	1B-240
1000-U158	1B-240
1000-U159	1B-240
1000-U160	1B-240
1000-U164	1B-140
1000-U164	1B-240
1000-U165	1B-140
1000-U165	1B-240
1000-U166	1B-140
1000-U166	1B-240
1000-U167	1C-120
1000-U167	3YB-440
1000-U168	1B-140
1000-U169	1B-140
1000-U182	1B-140
1000-U183	1B-140
1000-U184-N	1B-140
1000-U184-N2	1B-120
1000-U185-N	1B-140
1000-U185-N2	1B-120
1000-U186-N	1B-140
1000-U186-N2	1B-120
1000-U187-N	1B-140
1000-U187-N2	1B-120
1000-U188-N	1B-140
1000-U188-N2	1B-120
1000-U189	1B-620
1000-U194	1B-140
1000-U195	1B-140
1000-U196-N	1B-140
1000-U196-N2	1B-120
1000-U197	1B-140
1000-U198	1B-140
1000-U198	1B-240
1000-U202-01	1B-320
1000-U204-01	1B-320
1000-U206-01	1B-320
1000-U208-01	1B-320
1000-U210-01	1B-320
1000-U212-01	1B-320
1000-U214-01	1B-320
1000-U216-01	1B-320
1000-U218-01	1B-320
1000-U219	1B-140
1000-U219-G	1B-140
1000-U220	1B-140
1000-U220-G	1B-140
1000-U221	1B-140
1000-U221-G	1B-140
1000-U222	1B-140
1000-U222-G	1B-140
1000-U223	1B-140
1000-U223-G	1B-140
1000-U224	1B-140
1000-U224-G	1B-140
1000-U225	1B-140
1000-U226	1B-140
1000-U227	1B-140
1000-U228	1B-140
1000-U229	1B-140
1000-U230	1B-140
1000-U231	1B-240
1000-U232	1B-240
1000-U233	1B-240
1000-U234	1B-240
1000-U235-N	1C-180
1000-U235-NPH	1C-180
1000-U236-N	1C-180
1000-U236-NPH	1C-180
1000-U237	1B-540
1000-U238	1B-540
1000-U239	1B-540
1000-U240	1B-540
1000-U241	1B-540
1000-U242	1B-540
1000-U246	1B-140
1000-U247	1B-240
1000-U248	1B-140
1000-U249	1B-140
1000-U250	1B-240
1000-U252-01	1B-320
1000-U254-01	1B-320
1000-U256-01	1B-320
1000-U258-01	1B-320
1000-U260-01	1B-320
1000-U262-01	1B-320
1000-U264-01	1B-320
1000-U266-01	1B-320
1000-U268-01	1B-320
1000-U269	1B-540
1000-U270	1B-540
1000-U271	1B-540
1000-U272	1B-540
1000-U273	1B-540
1000-U274	1B-540
1000-U275	1B-540
1000-U276	1B-540
1000-U277	1B-540
1000-U278	1B-540
1000-U279	1B-540
1000-U280	1B-540
1000-U281	1B-540
1000-U282	1B-540
1000-U283	1B-540
1000-U284	1B-540
1000-U285	1B-540
1000-U286	1B-540
1000-U315-N	1C-180
1000-U316-N	1C-180
1000-U317	1B-140
1000-U318	1B-140
1000-U322	1B-140
1000-U323	1B-140
1000-U324	1B-140
1000-U325	1B-140
1000-U326	1B-140
1000-U327	1B-140
1000-U328	1B-140
1000-U329	1B-140
1000-U330	1B-140
1000-U331	1B-140
1000-U332	1B-140
1000-U333	1B-140
1000-U334	1B-140
1000-U335	1B-140
1000-U336	1B-140

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Items printed in gray without stock

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Beschlagteile

Index by part number

Part no.	Catalogue page
1000-U337	1B-560
1000-U338	1B-560
1000-U339	1B-560
1000-U340	1B-560
1000-U341	1B-560
1000-U342	1B-560
1000-U343	1B-540
1000-U344	1B-540
1000-U345	1B-540
1000-U346	1B-540
1000-U347	1B-540
1000-U348	1B-540
1000-U349	1B-760
1000-U350	1B-760
1000-U351	1B-140
1000-U352	1B-140
1000-U353	1B-580
1000-U354	1B-580
1000-U355	1B-580
1000-U356	1B-580
1000-U357	1B-580
1000-U358	1B-580
1000-U359	1B-580
1000-U360	1B-580
1000-U361	1B-580
1000-U362	1B-580
1000-U363	1B-580
1000-U364	1B-580
1000-U365	1B-580
1000-U366	1B-580
1000-U367	1B-580
1000-U368	1B-580
1000-U369	1B-580
1000-U370	1B-580
1000-U371	1B-580
1000-U372	1B-560
1000-U373	1B-560
1000-U374	1B-560
1000-U375	1B-560
1000-U376	1B-560
1000-U377	1B-560
1000-U378	1B-560
1000-U379	1B-560
1000-U380	1B-560
1000-U381	1B-560
1000-U382	1B-560
1000-U383	1B-560
1000-U384	1B-560
1000-U385	1B-560
1000-U386	1B-560
1000-U387	1B-560
1000-U388	1B-560
1000-U389	1B-560
1000-U390	1B-580
1000-U391	1B-580
1000-U392	1B-580
1000-U393	1B-580
1000-U394	1B-580
1000-U395	1B-620
1000-U396	1B-620
1000-U397	1B-620
1000-U398	1B-620
1000-U399	1B-620
1000-U400	1B-620
1000-U401	1B-620
1000-U402	1B-620
1000-U403	1B-540
1000-U404	1B-540
1000-U405	1B-540
1000-U406	1B-540
1000-U407	1B-540
1000-U408	1B-540
1000-U409	1B-540
1000-U410	1B-540
1000-U411	1B-540
1000-U412	1B-540
1000-U413	1B-540
1000-U414	1B-540
1000-U415	1B-540
1000-U416	1B-540
1000-U417	1B-540
1000-U418	1B-540
1000-U419	1B-540
1000-U420	1B-540
1000-U422	1B-620

Part no.	Catalogue page
1000-U423	1B-620
1000-U426	1B-860
1000-U427	1B-860
1000-U429-01	1B-680
1000-U429-01PH	1B-680
1000-U431	1B-860
1000-U431-01	1B-860
1000-U431-PF	1B-860
1000-U432	1B-860
1000-U434	1B-620
1000-U435	1B-620
1000-U436	1B-680
1000-U436-PF	1B-680
1000-U437	1B-680
1000-U438	1B-680
1000-U439	1B-680
1000-U499	1B-860
1000-U500	1B-860
1000-U501	1B-620
1000-U502	1B-620
1000-U504	1B-140
1000-U505	1B-140
1000-U506	1B-140
1000-U507	1B-140
1000-U509	1B-140
1000-U510	1B-140
1000-U512	1B-540
1000-U514	1B-540
1000-U515	1B-540
1000-U516	1B-540
1000-U517	1B-540
1000-U518	1B-540
1000-U519	1B-540
1000-U520	1B-540
1000-U521	1B-540
1000-U522	1B-540
1000-U523	1B-540
1000-U524	1B-540
1000-U525	1B-540
1000-U526	1B-540
1000-U527	1B-540
1000-U528	1B-540
1000-U529	1B-540
1000-U530	1B-140
1000-U531	1B-140
1000-U532	1B-140
1000-U533	1B-140
1000-U534	1B-140
1000-U535	1B-140
1000-U536	1B-140
1000-U537	1B-140
1000-U538-L	1C-620
1000-U538-L	3ZB-120
1000-U539	1B-240
1000-U540	1B-240
1000-U541	1B-240
1000-U542	1B-240
1000-U543	1B-240
1000-U544-23	3YB-420
1000-U544-23	3YC-120
1000-U544-23	3YC-140
1000-U544-25	3YB-420
1000-U544-25	3YC-120
1000-U544-25	3YC-140
1000-U544-27	3YB-420
1000-U544-27	3YC-120
1000-U544-27	3YC-140
1000-U544-29	3YB-420
1000-U544-29	3YC-120
1000-U544-29	3YC-140
1000-U544-31	3YB-420
1000-U544-31	3YC-120
1000-U544-31	3YC-140
1000-U544-35	3YB-420
1000-U544-35	3YC-120
1000-U544-35	3YC-140
1000-U544-38	3YB-420
1000-U544-38	3YC-120
1000-U544-38	3YC-140
1000-U545-23	3YB-420
1000-U545-23	3YC-120
1000-U545-23	3YC-140
1000-U545-25	3YB-420
1000-U545-25	3YC-120
1000-U545-25	3YC-140

Part no.	Catalogue page
1000-U545-27	3YB-420
1000-U545-27	3YC-120
1000-U545-27	3YC-140
1000-U545-29	3YB-420
1000-U545-29	3YC-120
1000-U545-29	3YC-140
1000-U545-31	3YB-420
1000-U545-31	3YC-120
1000-U545-31	3YC-140
1000-U545-35	3YB-420
1000-U545-35	3YC-120
1000-U545-35	3YC-140
1000-U545-38	3YB-420
1000-U545-38	3YC-120
1000-U545-38	3YC-140
1000-U546	1B-560
1000-U547	1B-560
1000-U548	1B-560
1000-U549	1B-560
1000-U550	1B-560
1000-U551	1B-560
1000-U552	1B-560
1000-U553	1B-560
1000-U554	1B-560
1000-U555	1B-560
1000-U556	1B-560
1000-U557	1B-560
1000-U558	1B-560
1000-U559	1B-560
1000-U560	1B-560
1000-U561	1B-560
1000-U562	1B-560
1000-U563	1B-560
1000-U564	1B-560
1000-U565	1B-560
1000-U566	1B-560
1000-U567	1B-560
1000-U568	1B-560
1000-U569	1B-560
1000-U570	1B-580
1000-U571	1B-580
1000-U572	1B-580
1000-U573	1B-580
1000-U574	1B-580
1000-U575	1B-580
1000-U576	1B-580
1000-U577	1B-580
1000-U578	1B-580
1000-U579	1B-580
1000-U580	1B-580
1000-U581	1B-580
1000-U582	1B-580
1000-U583	1B-580
1000-U584	1B-580
1000-U585	1B-580
1000-U586	1B-580
1000-U587	1B-580
1000-U588	1B-580
1000-U589	1B-580
1000-U590	1B-580
1000-U591	1B-580
1000-U592	1B-580
1000-U593	1B-580
1000-U594	1B-560
1000-U595	1B-560
1000-U596	1B-560
1000-U597	1B-560
1000-U598	1B-560
1000-U599	1B-560
1000-U600	1B-560
1000-U601	1B-560
1000-U602	1B-560
1000-U603	1B-560
1000-U604	1B-560
1000-U605	1B-560
1000-U606	1B-560
1000-U607	1B-560
1000-U608	1B-560
1000-U609	1B-560
1000-U610	1B-560
1000-U611	1B-560
1000-U612	1B-580
1000-U613	1B-580
1000-U614	1B-580
1000-U615	1B-580

Part no.	Catalogue page
1000-U616	1B-580
1000-U617	1B-580
1000-U618	1B-580
1000-U619	1B-580
1000-U620	1B-580
1000-U621	1B-580
1000-U622	1B-580
1000-U623	1B-580
1000-U624	1B-580
1000-U625	1B-580
1000-U626	1B-580
1000-U627	1B-580
1000-U628	1B-580
1000-U629	1B-580
1000-U630	1B-140
1000-U631	1B-140
1000-U632	3YB-420
1000-U632	3YC-120
1000-U632	3YC-140
1000-U633	1B-540
1000-U634	1B-540
1000-U635	1B-540
1000-U636	1B-540
1000-U637	1B-540
1000-U638	1B-540
1000-U639	1B-540
1000-U640	1B-540
1000-U641	1B-540
1000-U642	1B-540
1000-U643	1B-540
1000-U644	1B-540
1000-U645	1B-540
1000-U646	1B-540
1000-U647	1B-540
1000-U648	1B-540
1000-U649	1B-540
1000-U650	1B-540
1000-U652-01	1B-320
1000-U653	1B-840
1000-U655-01	1B-320
1000-U656	1B-620
1000-U657	1B-620
1000-U658	1B-580
1000-U659	1B-620
1000-U660	1B-620
1000-U661-23	3YB-420
1000-U661-23	3YC-120
1000-U661-23	3YC-140
1000-U661-25	3YB-420
1000-U661-25	3YC-120
1000-U661-25	3YC-140
1000-U661-27	3YB-420
1000-U661-27	3YC-120
1000-U661-27	3YC-140
1000-U661-29	3YB-420
1000-U661-29	3YC-120
1000-U661-29	3YC-140
1000-U661-31	3YB-420
1000-U661-31	3YC-120
1000-U661-31	3YC-140
1000-U661-35	3YB-420
1000-U661-35	3YC-120
1000-U661-35	3YC-140
1000-U661-38	3YB-420
1000-U661-38	3YC-120
1000-U661-38	3YC-140
1000-U661-40	3YB-420
1000-U661-40	3YC-120
1000-U661-40	3YC-140
1000-U662-23	3YB-420
1000-U662-23	3YC-120
1000-U662-23	3YC-140
1000-U662-25	3YB-420
1000-U662-25	3YC-120
1000-U662-25	3YC-140
1000-U662-27	3YB-420
1000-U662-27	3YC-120
1000-U662-27	3YC-140
1000-U662-29	3YB-420
1000-U662-29	3YC-120
1000-U662-29	3YC-140
1000-U662-31	3YB-420
1000-U662-31	3YC-120
1000-U662-31	3YC-140
1000-U662-35	3YB-420

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Items printed in gray without stock

Index by part number

Part no.	Catalogue page
1000-U662-35	3YC-120
1000-U662-35	3YC-140
1000-U662-38	3YB-420
1000-U662-38	3YC-120
1000-U662-38	3YC-140
1000-U662-40	3YB-420
1000-U662-40	3YC-120
1000-U662-40	3YC-140
1000-U663	3YB-420
1000-U663	3YC-120
1000-U663	3YC-140
1000-U664	1B-560
1000-U665	1B-540
1000-U666	1B-160
1000-U667	1B-160
1000-U675	1B-160
1000-U676	1B-160
1000-U677	1B-160
1000-U678	1B-160
1000-U679	1B-160
1000-U680	1B-160
1000-U681	1C-170
1000-U682	1C-170
1000-U683	1C-170
1000-U684	1C-170
1000-U685	1C-170
1000-U686	1C-170
1000-U687	1B-320
1000-U688	1B-320
1000-U689	1B-320
1000-U690	1B-320
1000-U691	1B-320
1000-U692	1B-320
1000-U693	1B-320
1000-U694	1B-320
1000-U695	1B-160
1000-U696	1B-160
1000-U709	1B-160
1000-U710-01	1B-320
1000-U711	1B-160
1000-U712-01	1B-320
1000-U713-01	1B-320
1000-U714-01	1B-320
1000-U715-01	1B-320
1000-U716-01	1B-320
1000-U717-01	1B-320
1000-U718-01	1B-320
1000-U719-01	1B-320
1000-U720-01	1B-320
1000-U721-01	1B-320
1000-U722-01	1B-320
1000-U723-01	1B-320
1000-U724-01	1B-320
1000-U725	1B-320
1000-U726	1B-320
1000-U727	1B-320
1000-U728	1B-320
1000-U729	1B-140
1000-U732-01	1B-320
1000-U733-01	1B-320
1000-U734	1B-680
1000-U735	1B-680
1000-U736	1B-140
1000-U737	1B-140
1000-U738	1B-140
1000-U739	1B-140
1000-U740	1B-760
1000-U740-01	1B-760
1000-U742	1B-380
1000-U743	1B-380
1000-U744	1B-720
1000-U745	1B-720
1000-U746-01	1B-340
1000-U747	1B-340
1000-U748	1B-220
1000-U748-01	1B-220
1000-U749	1B-220
1000-U749-01	1B-220
1000-U751	1B-380
1000-U752	1B-380
1000-U753	1B-540
1000-U754	1B-540
1000-U755	1B-220
1000-U755-01	1B-220
1000-U755-02	1B-222

Part no.	Catalogue page
1000-U757	1B-140
1000-U757-01	1B-140
1000-U762	1B-720
1000-U763	1B-720
1000-U764	1B-720
1000-U765	1B-720
1000-U768	1B-840
1000-U769	1B-140
1000-U769	1B-360
1000-U769	1B-760
1000-U769	1B-840
1000-U769	1B-860
1000-U770	1B-640
1000-U771	1B-640
1000-U773	1B-520
1000-U773-01	1B-520
1000-U774	1B-520
1000-U774-01	1B-520
1000-U775	1B-520
1000-U775-01	1B-520
1000-U776	1C-120
1000-U776-PH	1C-120
1000-U777	1B-220
1000-U777-01	1B-220
1000-U778	8A-220
1000-U779	8A-222
1000-U780	8A-224
1000-U781	8A-224
1000-U781-V	8A-224
1000-U783	1B-220
1000-U784	1B-230
1000-U785	1B-230
1000-U786	1B-222
1000-U787	1B-230
1000-U788	1B-230
1000-U789	1B-230
1000-U790	1B-230
1000-U791	1B-230
1000-U792	1B-230
1000-U793	1B-230
1000-U794	1B-222
1000-U795	1B-220
1000-U796	1B-220
1000-U798	1B-220
1000-U799	1B-222
1000-U802	1B-222
1000-U803	1B-222
1000-U804	1B-222
1000-U805	1B-220
1000-U806	1B-222
1000-U807	1B-220
1000-U808	1B-222
1000-U809	1B-220
1000-U810	1B-222
1000-U811	1B-220
1000-U812	1B-222
1000-U813	1B-222
1000-U816	1B-222
1000-U817-01PH	1B-330
1000-U817-02IA	1B-330
1000-U817-03IA	1B-330
1000-U817-03PH	1B-330
1000-U817-04IA	1B-330
1000-U817-05IA	1B-330
1000-U817-05PH	1B-330
1000-U817-07PH	1B-330
1000-U817-08IA	1B-330
1000-U817-16IA	1B-330
1000-U817-17IA	1B-330
1000-U817-23IA	1B-330
1000-U817-23PH	1B-330
1000-U817-24PH	1B-330
1000-U818-02IA	1B-332
1000-U818-03IA	1B-332
1000-U818-04IA	1B-332
1000-U818-05IA	1B-332
1000-U819-01IA	1B-332
1000-U819-02IA	1B-332
1000-U819-03IA	1B-332
1000-U819-04IA	1B-332
1000-U820	1B-230
1000-U821	1B-230
1000-U822	1B-230
1000-U823	1B-230
1000-U824	1B-230

Part no.	Catalogue page
1000-U825	1B-230
1000-U826	1B-230
1000-U827	1B-230
1000-U828	1B-230
1000-U829	2A-180
1000-U830	1B-222
1000-U831	1B-220
1000-U831-01	1B-220
1000-U831-02	1B-222
1000-U832	1B-222
1000-U835	1B-335
1000-U837	1B-850
1000-U838-02	1B-835
1000-U838-02PF	1B-835
1000-U841	1B-140
1000-U842	1B-690
1000-U844	1B-520
1000-U845	1B-520
1000-U846	1B-237
1000-U848	1B-237
1000-U852	1B-210
1000-U852-IA	1B-210
1000-U852-PH	1B-210
1000-U853	1B-210
1000-U853-PH	1B-210
1000-U854	1B-210
1000-U854-PH	1B-210
1000-U855	1B-210
1000-U855-PH	1B-210
1000-U856	1B-210
1000-U856-PH	1B-210
1000-U857	1B-690
1000-U858	1C-170
1000-U859-IA	1B-210
1000-U859-PH	1B-210
1000-U860	1B-650
1000-U860-01AA	1B-650
1000-U860-01IA	1B-650
1000-U861	1B-837
1000-U862	1B-837
1000-U864-IA	1B-210
1000-U864-PH	1B-210
1000-U865-LIPH	1B-225
1000-U865-REPH	1B-225
1000-U869-LIPH	1B-225
1000-U869-REPH	1B-225
1000-U870-LIPH	1B-225
1000-U870-REPH	1B-225
1000-U873	1B-180
1000-U874	1C-125
1000-U874-VA	1C-125
1000-U876	1B-140
1000-U878	1B-140
1000-U879	1B-140
1000-U880	1B-222
1000-U882	1B-220
1000-U883	1B-180
1000-U892	1C-135
1000-U895	1B-180
1000-U902	1B-170
1000-U903	1B-170
1000-U904	1B-170
1000-U905	1B-170
1000-U907	1B-170
1000-U908	1B-170
1000-U910	1B-140
1000-U911-LIPH	1B-225
1000-U913	1B-170
1000-U914	1B-170
1000-U915	1B-170
1000-U916	1B-170
1000-U917	1B-170
1000-U933	1B-940
1000-U934	1B-940
1000-U935	1B-940
1000-U936	1B-940
1000-U938	8A-230
1000-U939	8A-230
1000-U941-01	1B-835
1000-U941-01PF	1B-835
1000-U943	8A-232
1000-U944	8A-232
1000-U945	8A-232
1000-U946	8A-232
1000-U957	8A-222

Part no.	Catalogue page
1000-U960-01	1B-835
1000-U960-01PF	1B-835
1000-U961	1B-836
1000-U962	1B-836
1000-U963	1B-836
1000-U968-LI	1B-225
1000-U968-RE	1B-225
1000-U968-01LI	1B-225
1000-U968-01RE	1B-225
1000-U968-02LI	1B-225
1000-U968-03LI	1B-225
1000-U968-03RE	1B-225
1000-U968-04LI	1B-225
1000-U968-04RE	1B-225
1000-U968-05LI	1B-225
1000-U968-05RE	1B-225
1000-U968-06LI	1B-225
1000-U968-06RE	1B-225
1000-U972	1B-170
1000-U973	1B-170
1000-U974	1B-170
1000-U975	1B-170
1000-U976	1B-170
1000-U977	1B-170
1000-U978	1B-170
1000-U980	3ZD-180
1000-U981	1B-220
1000-U981-01	1B-220
1000-U982	1B-220
1000-U983	1B-220
1000-U985-PH	1B-210
1001-11	1C-620
1001-12	1C-620
1001-13	1C-620
1001-14	1C-620
1001-15	1C-620
1001-16	1C-620
1001-17	1C-620
1001-18	2B-120
1001-18	2B-120
1001-18	2B-130
1001-18	2B-135
1001-18	2B-180
1001-19	2B-120
1001-19	2B-120
1001-19	2B-130
1001-19	2B-135
1001-20	1C-640
1001-21	1C-640
1001-22	1C-640
1001-23	2B-160
1001-24	2B-160
1001-25	2B-160
1001-26	2B-160
1001-27	2B-160
1001-28	2B-160
1001-28	2B-180
1001-29	2B-160
1001-29	2B-180
1001-30	2B-160
1001-31	2B-160
1001-32	2B-160
1001-33	2B-160
1001-33	2B-180
1001-34	2B-160
1001-35	2B-160
1001-36	2B-160
1001-45	2A-120
1001-46	2A-120
1001-47	2A-120
1001-48	2A-120
1001-49	2A-120
1001-50	2A-120
1001-50	3A-220
1001-50	3AB-220
1001-65	2A-180
1001-69	2A-180
1001-70	2A-180
1001-71	2A-180
1001-72	2A-180
1001-73	2A-180
1001-U1	2B-135
1001-U2	2B-135

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Items printed in gray without stock

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Beschlagteile

Index by part number

Part no.	Catalogue page
1001-U9	2B-180
1001-U10	2B-180
1001-U11	1C-640
1001-U11	3ZC-220
1001-U12	1C-640
1001-U12	3ZC-220
1001-U13	2A-120
1001-U14	2A-120
1001-U15	2A-120
1001-U16	2A-120
1001-U17	2A-120
1001-U18	2A-120
1001-U19	2B-120
1001-U20	2B-120
1001-U21	2A-180
1001-U22	2A-180
1001-U23	2A-180
1001-U24	2A-120
1001-U25	2A-120
1001-U26	2A-120
1001-U27	2A-120
1001-U28	2A-120
1001-U29	2A-120
1001-U30	2B-120
1001-U31	2B-120
1001-U32	2A-120
1001-U33	2A-120
1001-U40	1C-640
1001-U40	3ZC-220
1001-U41	1C-640
1001-U41	3ZC-220
1001-U47	1C-630
1001-U47	3ZC-210
1002-04	2B-120
1002-05	2B-120
1002-U1	2B-120
1003-01	5A-190
1003-02	5A-190
1003-03	5A-190
1003-04	5A-190
1003-11-N	5A-190
1003-12-N	5A-190
1003-13-N	5A-190
1003-14-N	5A-190
1003-15-N	5A-190
1003-24-N	5A-190
1004-01	8B-120
1004-02	8B-120
1004-03	8B-120
1004-04	8B-120
1004-05	8B-120
1004-06	8B-120
1004-17	8B-120
1004-18	8B-120
1004-19	8B-120
1004-20	1A-120
1004-20	8B-120
1004-21	1A-120
1004-21	1A-420
1004-21	8B-120
1004-24	8B-120
1004-26	8B-120
1004-29	8B-120
1004-29-01	1B-360
1004-30	8B-120
1004-31	8B-120
1004-33	8B-120
1004-33-01	1B-720
1004-34	1A-420
1004-34	8B-120
1004-34-01	1B-720
1004-35	8B-120
1004-36	1A-420
1004-36	8B-120
1004-37	8B-120
1004-38	8B-120
1004-39	8B-120
1004-41	8B-120
1004-42	8B-120
1004-44-01AA	3AB-120
1004-44-01AA	3AB-160
1004-44-01AA	3AB-180
1004-45	1B-340
1004-48	8B-120
1004-49	8B-120
1004-51	8B-120
1004-52	8B-120
1004-53	1B-835
1004-53	1B-836
1004-53	1B-837
1004-54	8B-120
1004-60	1B-835
1004-60	1B-836
1004-61	1B-835
1004-61	1B-836
1004-62	1B-835
1004-62	1B-836
1005-U1	2B-160
1005-U2	2B-160
1005-U3	2B-160
1005-U4	2B-160
1005-U5	2B-160
1005-U6	2B-160
1006-U1	4B-120
1006-U1-PC	4B-120
1007-U1	4B-120
1007-U2	4B-120
1010-01	5A-120
1010-02	5A-120
1010-04-01	5A-110
1010-04-02	5A-110
1010-05	5A-110
1010-06	5A-110
1010-06-01	5A-110
1010-09	5A-120
1010-11	5A-110
1010-11-01	5A-110
1010-12	5A-120
1011-05	5A-130
1011-05-09	5A-230
1011-05-E	5A-210
1011-05-E	5A-220
1011-05-FR01	5A-240
1011-06	5A-140
1011-06-09	5A-230
1011-06-E	5A-220
1011-08	5A-150
1011-09	5A-130
1011-09-E	5A-220
1011-09-E	5A-220
1011-09-FR01	5A-240
1011-10	5A-130
1011-10-E	5A-210
1011-12	5A-140
1011-15	5A-130
1011-16	5A-140
1011-17	5A-150
1011-19-09	5A-230
1011-26	5A-150
1011-27	5A-170
1011-30	5A-170
1011-31	5A-160
1011-32	5A-160
1011-34	5A-140
1011-36	5A-170
1011-40	5A-160
1011-41	5A-150
1011-44	5A-160
1011-45	5A-140
1011-45-FR01	5A-240
1011-46	5A-150
1011-47	5A-130
1011-48	5A-150
1011-49	5A-130
1011-50	5A-130
1011-51-FR01	5A-240
1012-05	1A-420
1012-06-JG	1A-420
1012-08	1A-420
1012-U1	1A-420
1012-U2	1A-420
1012-U3	1A-420
1012-U4	1A-420
1013-U1	8D-420
1013-U2	8D-420
1013-U3	8D-420
1013-U4	8D-420
1013-U5	8D-420
1016-13	5A-180
1016-14	5A-180
1016-15	5A-180
1016-16	5A-180
1016-17	5A-180
1016-18	5A-180
1016-19	5A-180
1016-20	5A-180
1016-21	5A-180
1016-22	5A-180
1016-23	5A-180
1016-24	5A-180
1016-61	5A-180
1016-62	5A-180
1016-63	5A-180
1016-64	5A-180
1016-65	5A-180
1016-66	5A-180
1016-67	5A-180
1016-68	5A-180
1016-69	5A-180
1016-70	5A-180
1016-71	5A-180
1016-72	5A-180
1016-75	5A-180
1016-76	5A-180
1016-77	5A-180
1016-78	5A-180
1016-79	5A-180
1016-80	5A-180
1016-81	5A-180
1016-82	5A-180
1016-83	5A-180
1016-84	5A-180
1016-85	5A-180
1016-86	5A-180
1016-87	5A-180
1016-88	5A-180
1016-89	5A-180
1016-90	5A-180
1016-91	5A-180
1016-92	5A-180
1016-93	5A-180
1016-94	5A-180
1016-95	5A-180
1016-96	5A-180
1016-97	5A-180
1016-98	5A-180
1016-99	5A-180
1016-100	5A-180
1016-101	5A-180
1016-102	5A-180
1016-103	5A-180
1016-104	5A-180
1016-105	5A-180
1016-106	5A-180
1016-107	5A-180
1016-108	5A-180
1016-109	5A-180
1016-110	5A-180
1016-111	5A-180
1016-112	5A-180
1016-113	5A-180
1016-114	5A-180
1016-115	5A-180
1016-116	5A-180
1016-117	5A-180
1016-118	5A-180
1016-119	5A-180
1016-120	5A-180
1016-121	5A-180
1016-122	5A-180
1016-123	5A-180
1016-124	5A-180
1016-125	5A-180
1016-126	5A-180
1016-127	5A-180
1016-128	5A-180
1016-129	5A-180
1016-130	5A-180
1016-131	5A-180
1016-132	5A-180
1016-133	5A-180
1016-134	5A-180
1016-135	5A-180
1016-136	5A-180
1016-137	5A-180
1016-138	5A-180
1016-139	5A-180
1016-140	5A-180
1016-141	5A-180
1016-142	5A-180
1016-143	5A-180
1016-144	5A-180
1016-145	5A-180
1016-146	5A-180
1016-147	5A-180
1016-148	5A-180
1016-149	5A-180
1016-150	5A-180
1016-151	5A-180
1016-152	5A-180
1016-153	5A-180
1016-154	5A-180
1016-155	5A-180
1016-156	5A-180
1016-157	5A-180
1016-158	5A-180
1016-159	5A-180
1016-160	5A-180
1016-161	5A-180
1016-162	5A-180
1016-163	5A-180
1016-164	5A-180
1016-165	5A-180
1016-166	5A-180
1016-167	5A-180
1016-168	5A-180
1016-169	5A-180
1016-170	5A-180
1016-171	5A-180
1016-172	5A-180
1016-173	5A-180
1016-174	5A-180
1016-175	5A-180
1016-176	5A-180
1016-177	5A-180
1016-178	5A-180
1016-179	5A-180
1016-180	5A-180
1016-181	5A-180
1016-182	5A-180
1016-183	5A-180
1016-184	5A-180
1016-185	5A-180
1016-186	5A-180
1016-187	5A-180
1016-188	5A-180
1016-189	5A-180
1016-190	5A-180
1016-191	5A-180
1016-192	5A-180
1016-193	5A-180
1016-194	5A-180
1016-220-127E	5A-220
1016-220-220E	5A-220
1016-220-254E	5A-220
1017-14	2B-140
1017-15	2B-140
1019-U1	1C-620
1022-01-02	1A-120
1022-05-JB	8E-140
1022-07	1A-120
1022-07	1A-140
1022-07-PC	1A-120
1022-08	1A-120

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Items printed in gray without stock

Index by part number

EMKA Beschlagteile

Part no.	Catalogue page
1022-08	1A-140
1022-08-PC	1A-120
1022-09	1A-120
1022-10	1A-120
1022-11-JB	8E-140
1022-11-01KA	8E-140
1022-20	1A-120
1022-20	1A-140
1022-20-PC	1A-120
1022-23-01	1A-120
1022-49	1A-240
1022-50	1A-240
1022-51	1A-240
1022-54-01	1A-320
1022-54-02	1A-320
1022-54-03	1A-320
1022-55-01	1A-320
1022-55-02	1A-320
1022-55-03	1A-320
1022-56-01	1A-320
1022-56-02	1A-320
1022-56-03	1A-320
1022-990	1A-120
1022-991	1A-120
1022-U1	1A-120
1022-U2	1A-120
1022-U3	1A-120
1022-U4	1A-120
1022-U8	1A-120
1022-U9	1A-120
1022-U10	1A-160
1022-U11	1A-160
1022-U12	1A-160
1022-U13	1A-160
1022-U14	1A-160
1022-U15	1A-160
1022-U16	1A-160
1022-U17	1A-160
1022-U18	1A-160
1022-U19	1A-160
1022-U20	1A-160
1022-U21	1A-160
1022-U22	1A-160
1022-U23	1A-160
1022-U24	1A-160
1022-U25	1A-160
1022-U26	1A-160
1022-U27	1A-160
1022-U29	1A-140
1022-U30	1A-140
1022-U31	1A-140
1022-U32	1A-140
1022-U33	1A-140
1022-U34	1A-140
1022-U37	1A-140
1022-U38	1A-140
1022-U39	1A-140
1022-U40	1A-140
1022-U41	1A-140
1022-U42	1A-140
1022-U43	1A-120
1022-U44	1A-120
1022-U45	1A-120
1022-U46	1A-120
1022-U47	1A-120
1022-U48	1A-140
1022-U49	1A-140
1022-U50	1A-140
1022-U51	1A-140
1022-U52	1A-140
1022-U53	1A-140
1022-U54	1A-140
1022-U55	1A-140
1022-U56	1A-140
1022-U57	1A-140
1022-U58	1A-140
1022-U59	1A-140
1022-U60	1A-120
1022-U61	1A-120
1022-U62	1A-120
1022-U63	1A-120
1022-U64	1A-120
1022-U65	1A-160
1022-U66	1A-160
1022-U67	1A-160
1022-U68	1A-160
1022-U69	1A-160
1022-U70	1A-160
1022-U71	1A-120
1022-U72	1A-120
1022-U73	1A-120
1022-U74	1A-120
1022-U75	1A-120
1022-U76	1A-120
1022-U77	1A-120
1022-U78	1A-120
1022-U82	1A-120
1022-U83	1A-220
1022-U83-IA	1A-220
1022-U84	1A-220
1022-U84-IA	1A-220
1022-U85	1A-220
1022-U85-IA	1A-220
1022-U86	1E-320
1022-U89	1A-320
1022-U90	1A-320
1022-U91	1A-320
1022-U94	1A-220
1031-U1	4A-130
1031-U2	4A-130
1031-U7	4A-134
1031-U10	4A-130
1031-U12	4A-135
1031-U13	4A-135
1031-U14	4A-137
1031-U15	4A-136
1031-U16	4A-133
1031-U17-PC	4A-133
1031-U18	4A-137
1031-U19	4A-135
1031-U20	4A-135
1031-U21	4A-136
1031-U22	4A-135
1032-U1	4A-130
1032-U2	4A-130
1032-U5	4A-130
1032-U6	4A-121
1033-U1	4A-300
1033-U2	4A-300
1033-U3	4A-300
1033-U4	4A-300
1033-U5	4A-300
1033-U7	4A-300
1033-U8	4A-300
1033-U9	4A-300
1033-U11	4A-300
1033-U13	4A-300
1033-U14	4A-300
1033-U15	4A-300
1033-U16	4A-300
1033-U17	4A-300
1033-U18	4A-300
1033-U20	4A-300
1033-U21	4A-300
1033-U22	4A-300
1033-U24	4A-300
1033-U26	4A-300
1033-U27	4A-300
1033-U28	4A-300
1033-U29	4A-300
1033-U30	4A-300
1033-U31	4A-300
1033-U32	4A-300
1033-U33	4A-300
1033-U34	4A-300
1033-U35	4A-300
1033-U36	4A-300
1033-U37	4A-300
1033-U38	4A-300
1033-U39	4A-300
1033-U40	4A-300
1033-U41	4A-300
1033-U42	4A-300
1033-U44	4A-295
1033-U55	4A-300
1033-U56	4A-300
1033-U57	4A-300
1033-U58	4A-300
1033-U60	4A-300
1033-U61	4A-300
1033-U63	4A-300
1033-U64	4A-300
1033-U70	4A-300
1033-U71	4A-300
1033-U72	4A-300
1033-U73	4A-300
1033-U74	4A-300
1033-U75	4A-300
1034-03	1C-360
1034-U1	1C-360
1034-U1	8A-320
1035-U1	4A-260
1035-U2	4A-260
1035-U3	4A-260
1036-U2	4A-290
1036-U3	4A-290
1036-U4	4A-290
1036-U5	4A-290
1036-U6	4A-290
1036-U7	4A-290
1036-U9	4A-295
1036-U10	4A-295
1038-07	5A-200
1038-10	5A-200
1039-36	4A-260
1039-U6	4A-260
1039-U7	4A-260
1039-U8	4A-260
1039-U10	4B-160
1039-U11	4B-160
1039-U12	4A-250
1039-U13	4B-170
1039-U14	4B-170
1039-U15	4B-170
1039-U17	4A-250
1039-U18	4B-160
1039-U19	4A-250
1039-U25	4B-160
1039-U26	4A-250
1042-U1	4B-140
1043-U1	4B-140
1044-U1	2B-160
1044-U2	2B-160
1044-U3	2B-160
1044-U4	2B-160
1044-U5	2B-160
1044-U6	2B-160
1044-U7	2B-160
1044-U8	2B-160
1044-U9	2B-160
1044-U10	2B-160
1044-U11	2B-160
1044-U12	2B-160
1044-U13	2B-160
1044-U14	2B-160
1044-U15	2B-160
1044-U16	2B-160
1044-U17	2B-160
1044-U18	2B-160
1044-U19	2B-160
1044-U20	2B-160
1044-U21	2B-160
1044-U22	2B-160
1046-U1	4B-130
1046-U2	4B-130
1046-U3	4B-130
1046-U4	4B-130
1046-U5	4B-130
1047-U2	8A-240
1047-U3	8A-240
1047-U4	8A-240
1047-U5	8A-240
1048-U1	1B-420
1048-U2	1B-420
1048-U3	1B-420
1048-U4	1B-420
1048-U6	1B-420
1048-U6-PH	1B-420
1048-U7	1B-420
1048-U7-PH	1B-420
1048-U8	1B-420
1048-U9	1B-420
1048-U10	1B-420
1048-U11	1B-420
1048-U12	1B-420
1048-U13	1B-420
1048-U14	1B-420
1048-U15	1B-420
1048-U16	1B-420
1048-U17	1B-420
1048-U18	1B-420
1048-U19	1B-420
1048-U20	1B-420
1048-U21	1B-420
1048-U22	1B-360
1048-U23	1B-360
1048-U25	1B-420
1048-U26	1B-420
1048-U27	1B-420
1048-U28	1B-420
1049-19-L	1C-620
1049-19-L	3ZB-120
1049-U1	2A-120
1049-U1	2B-130
1049-U2	2A-120
1049-U2	2B-130
1049-U3	1C-620
1049-U3	3ZB-120
1049-U4	1C-620
1049-U4	3ZB-120
1049-U5	1C-620
1049-U5	3ZB-120
1049-U6	1C-620
1049-U6	3ZB-120
1049-U7	1C-620
1049-U7	3ZB-120
1049-U8	1C-620
1049-U8	3ZB-120
1049-U9	1C-620
1049-U9	3ZB-120
1049-U12	1C-620
1049-U12	3ZB-120
1049-U13	1C-620
1049-U13	3ZB-120
1049-U14	1C-620
1049-U14	3ZB-120
1049-U15	1C-620
1049-U15	3ZB-120
1049-U16	1C-620
1049-U16	3ZB-120
1049-U17	1C-620
1049-U17	3ZB-120
1049-U18-L	1C-620
1049-U18-L	3ZB-120
1049-U19	2A-120
1049-U19	2B-130
1049-U20	2A-120
1049-U20	2B-130
1050-U1	8C-180
1050-U1-PC	8C-180
1050-U2	8C-180
1050-U2-PC	8C-180
1050-U3	8C-120
1051-U1	8D-220
1051-U2	8D-220
1053-U1	8A-340
1053-U2	8A-340
1053-U3	8A-340
1053-U4	8A-340

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Items printed in gray without stock

EMKA®
Beschlagteile

Index by part number

Part no.	Catalogue page
1053-U5	8A-340
1053-U6	8A-340
1054-U1	4A-280
1054-U2	4A-310
1054-U3	4A-310
1054-U4	4B-280
1054-U5	4B-280
1054-U5-PH	4B-280
1054-U6	4B-290
1054-U7	4B-280
1054-U8	4A-310
1054-U9	4A-310
1054-U9	4A-310
1054-U10	4B-280
1054-U11	4B-290
1054-U12	4B-290
1054-U13	4B-290
1054-U14	4A-310
1054-U15	4A-310
1054-U16	4A-310
1054-U17	4A-310
1054-U18	4B-280
1054-U19	4B-280
1054-U20	4B-280
1054-U21	4B-280
1054-U22	4B-280
1054-U23	4A-310
1054-U24	4A-310
1054-U25	4A-310
1054-U26	4A-310
1054-U27	4B-280
1054-U28	4B-280
1054-U29	4B-280
1054-U30	4A-280
1054-U31	4B-260
1054-U31-01	4B-260
1054-U32	4B-260
1054-U32-01	4B-260
1054-U33-01	4B-250
1054-U33-02	4B-250
1054-U34-01	4B-250
1054-U34-02	4B-250
1054-U35-01	4B-250
1054-U35-02	4B-250
1054-U36-LI	4B-255
1054-U36-RE	4B-255
1054-U37	4B-248
1054-U39	4B-320
1054-U42-01	4B-252
1054-U43-01	4B-253
1054-U44-01	4B-253
1055-U2	4A-250
1055-U3	4B-160
1055-U4	4B-160
1055-U5	4A-250
1055-U6	4A-250
1055-U7	4B-160
1055-U8	4A-250
1055-U9	4B-160
1056-U3	4B-190
1056-U4	4B-190
1056-U5	4B-190
1056-U5-PH	4B-190
1056-U5-PPPH	4B-190
1056-U5-PVPH	4B-190
1056-U6	4B-190
1056-U6-01	4B-185
1056-U7	4B-200
1056-U8	4B-200
1056-U9	4B-200
1056-U9-PH	4B-200
1056-U9-PPPH	4B-200
1056-U9-PVPH	4B-200
1056-U10	4B-200
1056-U10-01	4B-185
1056-U11	4B-205
1056-U12	4B-205
1056-U13	4B-205
1056-U13-PH	4B-205
1056-U13-PPPH	4B-205
1056-U13-PVPH	4B-205
1056-U14	4B-205
1056-U14-01	4B-185
1056-U15	4B-200
1056-U16	4B-200
1056-U17	4B-200
1056-U17-PH	4B-200
1056-U17-PPPH	4B-200
1056-U17-PVPH	4B-200
1056-U18	4B-200
1056-U19	4B-210
1056-U20	4B-210
1056-U21	4B-230
1056-U22	4B-230
1056-U23	4B-230
1056-U24	4B-230
1056-U25	4B-230
1056-U26	4B-230
1056-U27	4B-215
1056-U28	4B-215
1056-U29	4B-215
1056-U30	4B-190
1056-U30-01	4B-190
1056-U31	4B-200
1056-U32	4B-190
1056-U33	4B-240
1056-U34	4A-285
1056-U34-PH	4A-285
1056-U35	4B-240
1056-U37	4B-245
1056-U38	4B-245
1056-U39	4B-245
1056-U40	4B-245
1056-U41	4B-190
1056-U42	4B-200
1056-U43	4B-240
1056-U44	4B-240
1056-U49	4B-240
1056-U50	4B-240
1056-U51	8E-120
1056-U53	4B-212
1056-U53-PH	4B-212
1056-U54	4B-212
1056-U54-PH	4B-212
1056-U55	4B-212
1056-U55-PH	4B-212
1056-U56	4B-212
1056-U56-PH	4B-212
1056-U57	4B-213
1056-U57-PH	4B-213
1056-U58	4B-213
1056-U58-PH	4B-213
1056-U59	4B-210
1056-U59-PH	4B-210
1056-U60	4B-190
1056-U61	4B-190
1056-U62	4B-243
1056-U63	4B-243
1056-U64	4B-243
1056-U65	4B-243
1056-U66	4B-207
1056-U66-HW	4B-207
1056-U68	4B-207
1056-U69	4B-205
1056-U110	4B-180
1057-U1	1B-820
1057-U2	1B-820
1059-U1	2B-140
1059-U1	2B-220
1059-U2	2B-140
1059-U2	2B-220
1068-U1	2A-120
1068-U1	2B-140
1068-U2	2A-120
1068-U2	2B-140
1069-U1	4A-120
1069-U2	4A-120
1069-U3	4A-120
1069-U4	4A-120
1069-U5	4A-120
1069-U6	4A-120
1069-U7	4A-134
1069-U8	4A-134
1071-01	8D-320
1071-U1	8D-320
1072-01	8D-120
1072-02	8D-120
1072-03	8D-120
1072-U1	8D-120
1072-U11	8D-120
1072-U12	8D-120
1072-U13	8D-120
1072-U14	8D-120
1072-U15	8D-120
1072-U16	8D-120
1072-U17	8D-120
1076-15	8A-620
1076-19	8A-620
1076-20	8A-620
1076-U5	8A-240
1076-U6	8A-240
1076-U7	8A-240
1076-U8	8A-240
1076-U9	8A-240
1076-U10	8A-240
1076-U11	8A-240
1076-U12	8A-240
1076-U13	8A-620
1079-U2	4A-285
1079-U4	4A-285
1079-U5-PH	4A-285
1080-U1	8A-520
1085-U1	8A-320
1087-U1	8C-220
1087-U1-PC	8C-220
1087-U4	8C-220
1089-U1	2B-220
1089-U1	3XB-120
1089-U1	3XB-220
1089-U1	3XB-320
1089-U2	2B-220
1089-U2	3XB-120
1089-U2	3XB-220
1089-U2	3XB-320
1089-U3	2B-220
1089-U4	2B-220
1089-U5	3XA-120
1089-U6	3XA-120
1091-152-30G	8D-620
1091-152-40G	8D-620
1091-152-50G	8D-620
1091-152-60G	8D-620
1091-U114	8A-420
1091-U114-01	8A-420
1091-U115	8A-420
1091-U115-01	8A-420
1091-U116	8A-420
1091-U117	4B-300
1091-U122	8A-860
1091-U123	8A-860
1091-U124	8A-860
1091-U125	8A-860
1091-U126	8A-860
1091-U127	8A-860
1091-U128	8A-860
1091-U129	8A-860
1091-U130	8A-860
1091-U131	8A-860
1091-U132	8A-860
1091-U133	8A-860
1091-U134	8A-860
1091-U135	8A-860
1091-U136	8A-860
1091-U137	8A-860
1091-U138	8A-860
1091-U139	8A-860
1091-U140	8A-860
1091-U141	8A-860
1091-U142	8A-860
1091-U142-01	8A-860
1091-U142-02	8A-860
1091-U142-03	8A-860
1091-U143	8A-440
1091-U143-02	8A-440
1091-U143-01V	8A-440
1091-U172-30	8D-620
1091-U172-50	8D-620
1092-03	2B-180
1092-U03	2B-180
1092-U04	2B-180
1095-05	6A-120
1095-06	6A-120
1095-07	6A-220
1095-08	6A-220
1095-08	6A-240
1095-09	6A-220
1095-09	6A-240
1095-10	6A-220
1095-10	6A-240
1095-11	6A-220
1095-11	6A-240
1095-12-L	6A-220
1095-12-L	6A-240
1095-13	6A-220
1095-13	6A-240
1095-14	6A-220
1095-14	6A-240
1095-19	6A-120
1095-20	6A-220
1095-21	6A-220
1095-24-200AA	6A-140
1095-24-200KB	6A-140
1095-24-250AA	6A-140
1095-24-250KB	6A-140
1095-24-300AA	6A-140
1095-24-300KB	6A-140
1095-24-350AA	6A-140
1095-24-350KB	6A-140
1095-25-200AA	6A-140
1095-25-200KB	6A-140
1095-25-300AA	6A-140
1095-25-300KB	6A-140
1095-26-100AA	6A-160
1095-26-100KB	6A-160
1095-26-100NA	6A-160
1095-26-112AA	6A-160
1095-26-112KB	6A-160
1095-26-112NA	6A-160
1095-26-112PC	6A-160
1095-26-128AA	6A-160
1095-26-128KB	6A-160
1095-26-128NA	6A-160
1095-26-128PC	6A-160
1095-26-160AA	6A-160
1095-26-160KB	6A-160
1095-26-160NA	6A-160
1095-26-160PC	6A-160
1095-26-192AA	6A-160
1095-26-192KB	6A-160
1095-26-192NA	6A-160
1095-26-200AA	6A-160
1095-26-200KB	6A-160
1095-26-300AA	6A-160
1095-26-300KB	6A-160
1095-26-300NA	6A-160
1095-26-400AA	6A-160
1095-26-400KB	6A-160
1095-26-400NA	6A-160
1095-26-500AA	6A-160
1095-26-500KB	6A-160
1095-26-500NA	6A-160
1095-27-112AA	6A-160
1095-27-112KB	6A-160
1095-27-112NA	6A-160
1095-27-128AA	6A-160
1095-27-128KB	6A-160
1095-27-128NA	6A-160

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Items printed in gray without stock

Index by part number

Part no.	Catalogue page
1095-27-160AA	6A-160
1095-27-160KB	6A-160
1095-27-160NA	6A-160
1095-28-116AA	6A-160
1095-28-116KB	6A-160
1095-28-116NA	6A-160
1095-28-116PH	6A-160
1095-28-132AA	6A-160
1095-28-132KB	6A-160
1095-28-132NA	6A-160
1095-28-164AA	6A-160
1095-28-164KB	6A-160
1095-28-164NA	6A-160
1095-28-196AA	6A-160
1095-28-196KB	6A-160
1095-28-196NA	6A-160
1095-29-120AA	6A-180
1095-29-120KB	6A-180
1095-29-180AA	6A-180
1095-29-180KB	6A-180
1095-30-120AA	6A-180
1095-30-120KB	6A-180
1095-30-180AA	6A-180
1095-30-180KB	6A-180
1095-31-200AA	6A-440
1095-32-200AA	6A-440
1095-35	6A-120
1095-36	6A-120
1095-36-WI	6A-120
1095-37	6A-120
1095-37-WI	6A-120
1095-38-125AA	6A-190
1095-38-125PC	6A-190
1095-38-125RA	6A-190
1095-38-250AA	6A-190
1095-38-250PC	6A-190
1095-38-250RA	6A-190
1095-39-125PC	6A-190
1095-40-100AA	6A-200
1095-40-120AA	6A-200
1095-40-180AA	6A-200
1095-40-200AA	6A-200
1095-41-500AA	6A-210
1095-41-600AA	6A-210
1095-41-800AA	6A-210
1095-42-100AA	6A-160
1095-42-100KB	6A-160
1095-42-112AA	6A-160
1095-42-112KB	6A-160
1095-42-112PS	6A-160
1095-42-120AA	6A-160
1095-42-120KB	6A-160
1095-42-128AA	6A-160
1095-42-128KB	6A-160
1095-42-128PS	6A-160
1095-42-160AA	6A-160
1095-42-160KB	6A-160
1095-42-160PS	6A-160
1095-U01	6A-240
1095-U24-250AA	6A-140
1095-U24-250KB	6A-140
1095-U24-300AA	6A-140
1095-U24-300KB	6A-140
1095-U24-350AA	6A-140
1095-U24-350KB	6A-140
1095-U24-400AA	6A-140
1095-U24-400KB	6A-140
1095-U25-250AA	6A-140
1095-U25-250KB	6A-140
1095-U25-350AA	6A-140
1095-U25-350KB	6A-140
1095-U25-500AA	6A-140
1095-U25-500KB	6A-140
1095-U26-200AA	6A-320
1095-U26-200NA	6A-320
1095-U26-250AA	6A-320
1095-U26-250NA	6A-320
1095-U26-300AA	6A-320
1095-U26-300NA	6A-320
1095-U26-400AA	6A-320
1095-U26-400NA	6A-320
1095-U26-500AA	6A-320
1095-U26-500NA	6A-320
1095-U26-600AA	6A-320
1095-U26-600NA	6A-320
1095-U27-200AA	6A-320
1095-U27-200NA	6A-320
1095-U27-250AA	6A-320
1095-U27-250NA	6A-320
1095-U27-300AA	6A-320
1095-U27-300NA	6A-320
1095-U27-400AA	6A-320
1095-U27-400NA	6A-320
1095-U27-500AA	6A-320
1095-U27-500NA	6A-320
1095-U27-600AA	6A-320
1095-U27-600NA	6A-320
1095-U28-200AA	6A-340
1095-U28-200NA	6A-340
1095-U28-250AA	6A-340
1095-U28-250NA	6A-340
1095-U28-300AA	6A-340
1095-U28-300NA	6A-340
1095-U28-400AA	6A-340
1095-U28-400NA	6A-340
1095-U28-500AA	6A-340
1095-U28-500NA	6A-340
1095-U28-600AA	6A-340
1095-U28-600NA	6A-340
1095-U29-200AA	6A-340
1095-U29-200NA	6A-340
1095-U29-250AA	6A-340
1095-U29-250NA	6A-340
1095-U29-300AA	6A-340
1095-U29-300NA	6A-340
1095-U29-400AA	6A-340
1095-U29-400NA	6A-340
1095-U29-500AA	6A-340
1095-U29-500NA	6A-340
1095-U29-600AA	6A-340
1095-U29-600NA	6A-340
1095-U30-200AA	6A-360
1095-U30-200NA	6A-360
1095-U30-250AA	6A-360
1095-U30-250NA	6A-360
1095-U30-300AA	6A-360
1095-U30-300NA	6A-360
1095-U30-400AA	6A-360
1095-U30-400NA	6A-360
1095-U30-500AA	6A-360
1095-U30-500NA	6A-360
1095-U30-600AA	6A-360
1095-U30-600NA	6A-360
1095-U31-200AA	6A-360
1095-U31-200NA	6A-360
1095-U31-250AA	6A-360
1095-U31-250NA	6A-360
1095-U31-300AA	6A-360
1095-U31-300NA	6A-360
1095-U31-400AA	6A-360
1095-U31-400NA	6A-360
1095-U31-500AA	6A-360
1095-U31-500NA	6A-360
1095-U31-600AA	6A-360
1095-U31-600NA	6A-360
1095-U32-AA	6A-420
1095-U32-100IA	6A-420
1095-U32-100PF	6A-420
1095-U32-120IA	6A-420
1095-U32-120PF	6A-420
1095-U32-180IA	6A-420
1095-U32-180PF	6A-420
1095-U33-100AA	6A-420
1095-U33-200AA	6A-420
1095-U33-300AA	6A-420
1095-U33-400AA	6A-420
1095-U33-500AA	6A-420
1095-U35-100AA	6A-190
1095-U35-100PF	6A-190
1095-U35-100PK	6A-190
1095-U35-100RA	6A-190
1095-U35-200AA	6A-190
1095-U35-200PF	6A-190
1095-U35-200PK	6A-190
1095-U35-200RA	6A-190
1095-U36-500AA	6A-210
1095-U36-600AA	6A-210
1095-U36-800AA	6A-210
1095-U37-AA	6A-440
1095-U38-125PK	6A-200
1095-U39-200PK	6A-200
1097-U1	8C-160
1097-U2	8C-160
1097-U5	8C-140
1097-U5-PC	8C-140
1097-U6	8C-140
1098-U1	2B-190
1098-U2	2B-190
1099-03	2B-230
1099-U1	2B-230
1099-U4	2B-230
1099-U6	2B-230
1101-03	5A-200
1102-U1	2A-140
1102-U2	2A-140
1102-U3	2A-140
1102-U4	2A-140
1102-U5	2A-140
1102-U6	2A-140
1102-U7	2A-140
1102-U8	2A-140
1102-U9	2A-140
1102-U10	2A-140
1102-U11	2A-140
1102-U12	2A-140
1103-U1	2A-140
1103-U2	2A-140
1103-U3	2A-140
1103-U4	2A-140
1103-U5	2A-140
1103-U6	2A-140
1103-U7	2A-140
1103-U8	2A-140
1103-U9	2A-140
1103-U10	2A-140
1103-U11	2A-140
1103-U12	2A-140
1103-U13	2A-140
1103-U14	2A-140
1103-U15	2A-140
1103-U16	2A-140
1103-U17	2A-140
1103-U18	2A-140
1103-U19	2A-140
1103-U20	2A-140
1103-U21	2A-140
1103-U22	2A-140
1103-U23	2A-140
1103-U24	2A-140
1103-U25	2A-140
1103-U26	2A-140
1103-U27	2A-140
1103-U28	2A-140
1103-U29	2A-140
1103-U30	2A-140
1103-U31	2A-140
1103-U32	2A-140
1103-U33	2A-140
1103-U34	2A-140
1103-U35	2A-140
1103-U36	2A-140
1103-U37	2A-140
1103-U38	2A-140
1103-U39	2A-140
1103-U40	2A-140
1105-U1	4A-280
1107-11-03AA	3AB-140
1107-53	3A-120
1107-53	3A-140
1107-53	3AB-140
1107-U1-G	3A-120
1107-U2-G	3A-120
1107-U5	3YB-420
1107-U5	3YC-120
1107-U6	3YB-420
1107-U6	3YC-120
1107-U14-G	3A-220
1107-U32-G	3A-120
1107-U88	3YB-420
1107-U88	3YC-120
1107-U96-G	3A-140
1107-U102-G	3A-120
1107-U104-G	3A-220
1107-U112	3YC-120
1107-U113	3YC-120
1107-U114	3YC-120
1107-U115	3YC-120
1107-U116	3YC-120
1107-U117	3YC-120
1107-U118	3YC-120
1107-U119	3YB-420
1107-U119	3YC-120
1107-U120	3YB-420
1107-U120	3YC-120
1107-U121	3YB-420
1107-U121	3YC-120
1107-U122	3YB-420
1107-U122	3YC-120
1107-U123	3YB-420
1107-U123	3YC-120
1107-U124	3YB-420
1107-U124	3YC-120
1107-U125	3YB-420
1107-U125	3YC-120
1107-U126	3YB-420
1107-U126	3YC-120
1107-U127	3YB-420
1107-U127	3YC-120
1107-U128	3YB-420
1107-U128	3YC-120
1107-U129	3YB-420
1107-U129	3YC-120
1107-U130	3YB-420
1107-U130	3YC-120
1107-U131	3YB-420
1107-U131	3YC-120
1107-U132	3YB-420
1107-U132	3YC-120
1107-U133	3YB-420
1107-U133	3YC-120
1107-U134	3YB-420
1107-U134	3YC-120
1107-U135	3YB-420
1107-U135	3YC-120
1107-U158-G	3A-120
1107-U159-G	3A-120
1107-U164-G	3A-140
1107-U169-G	3A-120
1107-U170	3A-120
1107-U170	3A-140
1107-U170	3AB-140
1107-U242-25	3YC-140
1107-U243-25	3YC-140
1107-U246	3YB-460
1107-U246	3YC-180
1107-U246-PH	3YB-460
1107-U246-PH	3YC-180
1108-U35	8B-140
1108-U36	8B-140
1108-U37	8B-140
1108-U38	8B-140
1108-U52	3XB-120
1108-U52-V	3XB-120
1109-09-AA	2B-220
1109-09-AA	3G-320
1109-09-AA	3XB-120
1109-09-AA	3XB-220
1109-990	3XC-120
1109-U1-N	3XB-120
1109-U2-N	3XB-120
1109-U3	3XB-120
1109-U4-N	3XB-120
1109-U5-N	3B-420
1109-U5-N	3XB-120
1109-U6-N	3XB-120
1109-U7-N	3XB-120
1109-U8-N	3XB-120

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Items printed in gray without stock

EMKA®

Index by part number

Beschlagteile

Part no.	Catalogue page
1109-U9-N	3XB-120
1109-U10-N	3XB-120
1109-U11-N	3XB-120
1109-U12-N	3XB-120
1109-U13-N	3XB-120
1109-U14-N	3XB-120
1109-U15-N	3XB-120
1109-U17-N	3XB-120
1109-U18	3XA-120
1109-U18-01	3XB-320
1109-U19	3XA-120
1109-U19-01	3XB-320
1109-U20	3XA-120
1109-U20-01	3XB-320
1109-U21	3XA-120
1109-U21-01	3XB-320
1109-U22	3XA-120
1109-U22-01	3XB-320
1109-U23	3XA-120
1109-U23-01	3XB-320
1109-U24	3XA-120
1109-U24-01	3XB-320
1109-U25	3XA-120
1109-U25-01	3XB-320
1109-U26	3XA-120
1109-U26-01	3XB-320
1109-U27	3XA-120
1109-U27-01	3XB-320
1109-U28	3XA-120
1109-U28-01	3XB-320
1109-U29	3XA-120
1109-U29-01	3XB-320
1109-U30	3XA-120
1109-U30-01	3XB-320
1109-U31	3XA-120
1109-U31-01	3XB-320
1109-U32	3XA-120
1109-U32-01	3XB-320
1109-U33	3XA-120
1109-U33-01	3XB-320
1109-U34	3XA-120
1109-U34-01	3XB-320
1109-U35	3XA-120
1109-U35-01	3XB-320
1109-U50	3XA-120
1109-U50-01	3XB-320
1109-U51	3XA-120
1109-U51-01	3XB-320
1109-U52	3XA-120
1109-U53	3XA-120
1109-U54-N	3XB-120
1109-U55-N	3XB-120
1109-U58	3XA-120
1109-U58-01	3XB-320
1109-U59	3XB-120
1109-U60	3XB-120
1109-U61	3XB-120
1109-U101	3XC-120
1109-U103	3XC-120
1109-U104	3XC-120
1109-U105	3XC-120
1109-U106	3XC-120
1109-U107	3XC-120
1109-U108	3XC-120
1109-U109	3XC-120
1109-U110	3XC-120
1109-U111	3XC-120
1109-U112	3XC-120
1109-U113	3XC-120
1109-U114	3XC-120
1109-U115	3XC-120
1109-U116	3XC-120
1109-U117	3XC-120
1109-U118	3XC-120
1109-U119	3XC-120
1109-U120	3XC-120
1109-U121	3XC-120
1109-U122	3XC-120
1109-U123	3XC-120
1110-39	4A-210
1110-39	4A-215
1110-39-01	4A-210
1110-39-01	4A-215
1110-39-02	4A-220
1110-39-02	4B-240
1110-39-03	4A-220
1110-39-03	4B-240
1110-U1	4A-121
1110-U2	4A-150
1110-U3	4A-150
1110-U4-N	4A-150
1110-U5-N	4A-150
1110-U5-NPH	4A-150
1110-U19	4A-140
1110-U20	4A-140
1110-U21	4A-140
1110-U22	4A-140
1110-U23	4A-140
1110-U24	4A-140
1110-U26	4A-450
1110-U50	4A-150
1110-U51	4A-150
1110-U52	4A-170
1110-U53	4A-170
1110-U66	4A-210
1110-U67	4A-210
1110-U68	4A-210
1110-U69	4A-210
1110-U70	4A-210
1110-U71	4A-210
1110-U78	4A-220
1110-U79	4A-220
1110-U80	4A-220
1110-U81	4A-220
1110-U82	4A-220
1110-U83	4A-220
1110-U86	4A-190
1110-U104	4A-210
1110-U105	4A-210
1110-U106	4A-210
1110-U107	4A-210
1110-U108	4A-210
1110-U109	4A-210
1110-U111	4A-480
1110-U112	4A-460
1110-U113	4A-460
1110-U114	4A-450
1110-U118	4A-210
1110-U119	4A-210
1110-U120	4A-210
1110-U120-PH	4A-210
1110-U121	4A-210
1110-U121-PH	4A-210
1110-U122	4A-215
1110-U123	4A-170
1110-U125	4A-140
1110-U126	4A-215
1110-U127	4A-138
1110-U128	4A-138
1110-U129	4A-138
1110-U130	4A-138
1110-U130-IA	4A-138
1110-U131	4A-160
1110-U132	4A-160
1110-U133	4A-215
1110-U134	4A-145
1110-U135	4A-145
1110-U136	4A-145
1110-U137	4A-145
1110-U140	4A-139
1110-U141	4A-160
1110-U142	4A-217
1117-U1	4C-120
1117-U1-PF	4C-120
1117-U2	4C-120
1117-U3	4C-120
1117-U4	4C-120
1117-U4-PC	4C-120
1117-U5	4C-120
1117-U5-PC	4C-120
1117-U6	4C-130
1117-U6-01	4C-130
1117-U6-02	4C-130
1121-18-01	3ZA-1220
1121-18-02	3ZA-1220
1121-18-02	3ZA-600
1121-18-02	3ZA-610
1121-18-02PH	3ZA-1220
1121-19	3ZC-120
1121-19-N	3ZC-120
1121-32	3B-120
1121-32	3BA-120
1121-32	3BA-120
1121-32	3G-120
1121-32	3H-120
1121-53-P	3ZA-1220
1121-54-P	3ZA-1220
1121-68-01RA	3ZA-260
1121-68-03RA	3ZA-260
1121-68-05RA	3ZA-260
1121-68-07RA	3ZA-260
1121-70	3ZA-1220
1121-70-01	3ZA-1220
1121-70-04SK	3ZA-1220
1121-71-01PC	3ZA-220
1121-71-01RA	3ZA-220
1121-71-01TA	3ZA-220
1121-71-03PC	3ZA-220
1121-71-03RA	3ZA-220
1121-71-03TA	3ZA-220
1121-71-05PC	3ZA-220
1121-71-05RA	3ZA-220
1121-71-05TA	3ZA-220
1121-71-07PC	3ZA-220
1121-71-07RA	3ZA-220
1121-71-07TA	3ZA-220
1121-89	3ZC-120
1121-89-11	3ZA-610
1121-89-11	3ZC-120
1121-89-CX	3ZC-120
1121-106	3ZA-600
1121-106	3ZA-610
1121-106	3ZC-140
1121-108-AA	3ZA-1240
1121-109	3ZC-140
1121-112	3ZB-220
1121-113	3ZB-220
1121-115	3ZA-340
1121-115-01	3ZA-340
1121-115-01CX	3ZA-340
1121-116-01	3ZA-340
1121-116-01CX	3ZA-340
1121-117	3YA-720
1121-127	3ZC-160
1121-135	3ZC-170
1121-148	3ZA-605
1121-149	3ZA-605
1121-168-CX	3FA-130
1121-168-CX	3FA-150
1121-169	3ZD-200
1121-U1-C	3YA-160
1121-U1-K	3YA-115
1121-U11	3B-120
1121-U11	3BA-120
1121-U11	3G-120
1121-U11	3H-120
1121-U12	3B-120
1121-U12	3BA-120
1121-U12	3G-120
1121-U12	3H-120
1121-U12-PH	3B-120
1121-U13	3B-120
1121-U13	3BA-120
1121-U13	3G-120
1121-U13	3H-120
1121-U14	3B-120
1121-U14	3BA-120
1121-U14	3G-120
1121-U14	3H-120
1121-U14-PH	3B-120
1121-U15	3B-120
1121-U15	3BA-120
1121-U15	3G-120
1121-U15	3H-120
1121-U16	3B-120
1121-U16	3BA-120
1121-U16	3G-120
1121-U16	3H-120
1121-U16-PH	3B-120
1121-U17	3B-120
1121-U17	3BA-120
1121-U17	3G-120
1121-U17	3H-120
1121-U17-PH	3B-120
1121-U18	3B-120
1121-U18	3BA-120
1121-U18	3G-120
1121-U18	3H-120
1121-U19-06	3B-120
1121-U19-N6	3B-120
1121-U20-06	3B-120
1121-U20-N6	3B-120
1121-U22-06	3B-120
1121-U22-6PH	3B-120
1121-U23-06	3B-120
1121-U24	3B-120
1121-U24	3BA-120
1121-U24	3H-120
1121-U25	3YA-820
1121-U26-C	3YA-120
1121-U26-K	3YA-110
1121-U28-L	3ZB-120
1121-U29-C	3YA-140
1121-U30-L	3ZB-120
1121-U37-C	3YA-160
1121-U38-C	3YA-120
1121-U39-C	3YA-140
1121-U40	3YA-820
1121-U51-C	3YA-220
1121-U52-C	3YA-240
1121-U53-C	3YA-220
1121-U60-C	3YA-160
1121-U61-C	3YA-160
1121-U62-06	3B-120
1121-U63-06	3B-120
1121-U63-N6	3B-120
1121-U65	3YA-180
1121-U71-N	3ZC-140
1121-U71-PH	3ZC-140
1121-U72	3B-120
1121-U72	3BA-120
1121-U72	3G-120
1121-U74-N	3ZC-140
1121-U76	3ZA-1220
1121-U76	3ZA-600
1121-U76	3ZA-610
1121-U85-C	3YA-120
1121-U86-C	3YA-120
1121-U91	3ZC-120
1121-U99	3ZA-220
1121-U100	3ZA-220
1121-U101	3ZA-220
1121-U105	3ZA-220
1121-U106	3ZA-220
1121-U107	3ZA-220
1121-U111	3ZA-220
1121-U112	3ZA-220
1121-U113	3ZA-220
1121-U117	3ZA-220
1121-U118	3ZA-220
1121-U119	3ZA-220
1121-U123	3B-120
1121-U123	3BA-120
1121-U123	3G-120
1121-U123	3H-120
1121-U124-C	3YA-160
1121-U125-C	3YA-120
1121-U126-C	3YA-220
1121-U132-06	3B-120
1121-U133-06	3B-120
1121-U133-6PH	3B-120
1121-U134-06	3B-120
1121-U135-06	3B-120
1121-U137	3ZA-1220
1121-U138	3YA-160
1121-U139	3YA-120
1121-U140	3YA-440
1121-U144-L	3ZB-320
1121-U144-L	3ZB-420
1121-U145-L	3ZB-520
1121-U145-L	3ZB-620
1121-U145-L	3ZB-820
1121-U146-L	3ZB-440
1121-U146-L	3ZB-540
1121-U146-L	3ZB-720

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Items printed in gray without stock

Index by part number

Part no.	Catalogue page
1121-U147-L	3ZB-440
1121-U147-L	3ZB-540
1121-U147-L	3ZB-720
1121-U148	3ZB-120
1121-U151	3ZC-120
1121-U152	3ZA-1220
1121-U153-C	3YA-160
1121-U154-C	3YA-160
1121-U155	3ZA-260
1121-U155-01	3ZA-1210
1121-U158	3ZA-260
1121-U158-01	3ZA-1210
1121-U161	3ZA-260
1121-U161-01	3ZA-1210
1121-U164	3ZA-260
1121-U164-01	3ZA-1210
1121-U167	3B-120
1121-U167	3BA-120
1121-U167	3G-120
1121-U167	3H-120
1121-U168	3B-140
1121-U169	3B-120
1121-U169	3BA-120
1121-U169	3G-120
1121-U169	3H-120
1121-U177-C	3YA-160
1121-U178-C	3YA-120
1121-U180-C	3YA-480
1121-U181-C	3YA-480
1121-U187-L	3ZB-200
1121-U188	3YA-840
1121-U189	3ZB-200
1121-U194	3ZA-1210
1121-U19A-06	3B-120
1121-U203	3ZD-160
1121-U204	3ZD-160
1121-U205	3ZD-220
1121-U206	3ZA-1120
1121-U22A-06	3B-120
1122-117	3YA-190
1122-U26-K	3YA-190
1123-U1-06	3B-180
1123-U1-N6	3B-180
1123-U2-06	3B-180
1123-U2-N6	3B-180
1123-U3-06	3B-180
1123-U3-N6	3B-180
1123-U4-06	3B-180
1123-U5-06	3B-180
1123-U6-06	3B-180
1123-U7-06	3B-180
1123-U7-N6	3B-180
1123-U8-06	3B-180
1123-U8-N6	3B-180
1123-U9-06	3B-180
1123-U9-N6	3B-180
1123-U10-06	3B-180
1123-U11-06	3B-180
1123-U12-06	3B-180
1123-U13-06	3B-180
1123-U13-N6	3B-180
1123-U14-06	3B-180
1123-U14-N6	3B-180
1123-U15-06	3B-180
1123-U15-N6	3B-180
1123-U16-06	3B-180
1123-U17-06	3B-180
1123-U18-06	3B-180
1123-U19-06	3B-180
1123-U20-06	3B-180
1123-U21-06	3B-180
1123-U22-06	3B-180
1123-U25-06	3B-180
1123-U26-06	3B-180
1123-U27-06	3B-180
1123-U28-06	3B-180
1123-U29-06	3B-180
1123-U30-06	3B-180
1123-U31-06	3B-180
1123-U32-06	3B-180
1123-U33-06	3B-180
1123-U34-06	3B-180

Part no.	Catalogue page
1123-U34-N6	3B-180
1123-U35-06	3B-180
1123-U36-06	3B-180
1123-U37-06	3B-180
1123-U38-06	3B-180
1123-U38-N6	3B-180
1123-U39-06	3B-180
1123-U40-06	3B-180
1123-U41-06	3B-180
1123-U41-N6	3B-180
1123-U42-06	3B-180
1125-73	3B-220
1125-81-010	3YB-120
1125-81-010	3YB-140
1125-81-015	3YB-120
1125-81-015	3YB-140
1125-81-020	3YB-120
1125-81-020	3YB-140
1125-81-025	3YB-120
1125-81-025	3YB-140
1125-81-030	3YB-120
1125-81-030	3YB-140
1125-81-040	3YB-120
1125-81-040	3YB-140
1125-81-050	3YB-120
1125-81-050	3YB-140
1125-81-060	3YB-120
1125-81-060	3YB-140
1125-81-080	3YB-120
1125-81-080	3YB-140
1125-81-100	3YB-120
1125-81-100	3YB-140
1125-81-110	3YB-120
1125-81-110	3YB-140
1125-81-120	3YB-120
1125-81-120	3YB-140
1125-81-020PH	3YB-120
1125-81-020QA	3YB-120
1125-83-010	3YB-120
1125-83-010	3YB-140
1125-83-015	1C-125
1125-83-015	3YB-120
1125-83-015	3YB-140
1125-83-020	1C-125
1125-83-020	3YB-120
1125-83-020	3YB-140
1125-83-025	3YB-120
1125-83-025	3YB-140
1125-83-030	3YB-120
1125-83-030	3YB-140
1125-83-040	3YB-120
1125-83-040	3YB-140
1125-83-050	3YB-120
1125-83-050	3YB-140
1125-83-060	3YB-120
1125-83-060	3YB-140
1125-84-010	3YB-120
1125-84-010	3YB-140
1125-84-015	1C-125
1125-84-015	3YB-120
1125-84-015	3YB-140
1125-84-020	1C-125
1125-84-020	3YB-120
1125-84-020	3YB-140
1125-84-025	3YB-120
1125-84-025	3YB-140
1125-84-030	3YB-120
1125-84-030	3YB-140
1125-84-040	3YB-120
1125-84-040	3YB-140
1125-84-050	3YB-120
1125-84-050	3YB-140
1125-84-060	3YB-120
1125-84-060	3YB-140
1125-U51-A	3B-320
1125-U53-A	3B-320
1125-U55-A	3B-320
1125-U56-A	3B-320
1125-U57-A	3B-320
1125-U58-A	3B-320
1125-U59-A	3B-320
1125-U60-A	3B-320
1125-U61-A	3B-320

Part no.	Catalogue page
1125-U184-A	3B-420
1125-U184-APH	3B-420
1125-U185-A	3B-220
1125-U186-A	3B-220
1125-U190-A	3B-220
1125-U190-NA	3B-220
1125-U191-A	3B-220
1125-U191-NA	3B-220
1125-U191-APH	3B-220
1125-U191-AQA	3B-220
1125-U193-A	3B-220
1125-U194-A	3B-220
1125-U195-A	3B-220
1125-U195-NA	3B-220
1125-U196-A	3B-220
1125-U196-NA	3B-220
1125-U198-A	3B-220
1125-U200-A	3B-420
1125-U201-A	3B-420
1125-U202-A	3B-220
1125-U202-NA	3B-220
1125-U203-A	3B-220
1125-U203-NA	3B-220
1125-U206-A	3B-220
1125-U206-NA	3B-220
1125-U207-A	3B-220
1125-U207-NA	3B-220
1125-U210-A	3B-220
1125-U210-NA	3B-220
1125-U211-A	3B-220
1125-U211-NA	3B-220
1125-U212-A	3B-220
1125-U212-NA	3B-220
1125-U213-A	3B-220
1125-U213-NA	3B-220
1125-U214-A	3B-220
1125-U214-NA	3B-220
1125-U215-A	3B-220
1125-U215-NA	3B-220
1125-U216-A	3B-220
1125-U216-NA	3B-220
1125-U217-A	3B-220
1125-U217-NA	3B-220
1125-U218-A	3B-220
1125-U218-NA	3B-220
1125-U219-A	3B-220
1125-U219-NA	3B-220
1125-U220-A	3B-220
1125-U220-NA	3B-220
1125-U221-A	3B-220
1125-U221-NA	3B-220
1125-U222-A	3B-220
1125-U222-NA	3B-220
1125-U223-A	3B-220
1125-U223-NA	3B-220
1125-U224-A	3B-220
1125-U224-NA	3B-220
1125-U225-A	3B-220
1125-U225-NA	3B-220
1125-U236-A	3B-220
1125-U236-NA	3B-220
1125-U239-A	3B-220
1125-U239-NA	3B-220
1125-U242-A	3B-220
1125-U242-NA	3B-220
1125-U243-A	3B-220
1125-U243-NA	3B-220
1125-U244-A	3B-220
1125-U244-NA	3B-220
1125-U245-A	3B-220
1125-U245-NA	3B-220
1125-U246-A	3B-220
1125-U246-NA	3B-220
1125-U247-A	3B-220
1125-U247-NA	3B-220
1125-U248-A	3B-220
1125-U248-NA	3B-220
1125-U249-A	3B-220
1125-U249-NA	3B-220
1125-U250-A	3B-220
1125-U250-NA	3B-220
1125-U251-A	3B-220
1125-U251-NA	3B-220
1125-U252-A	3B-220
1125-U252-NA	3B-220

Part no.	Catalogue page
1125-U253-A	3B-220
1125-U253-NA	3B-220
1125-U254-A	3B-220
1125-U254-NA	3B-220
1125-U255-A	3B-220
1125-U255-NA	3B-220
1125-U256-A	3B-220
1125-U256-NA	3B-220
1125-U257-A	3B-220
1125-U257-NA	3B-220
1125-U268-A	3B-220
1125-U269-A	3B-220
1125-U275-A	3B-220
1125-U276-A	3B-220
1125-U282-A	3B-220
1125-U282-NA	3B-220
1125-U283-A	3B-220
1125-U283-NA	3B-220
1125-U284	3YB-120
1125-U284-PH	3YB-120
1125-U285	3YB-120
1125-U286	3YB-120
1125-U286	3YB-140
1125-U286-PH	3YB-120
1125-U287	3YB-120
1125-U288	3YB-120
1125-U289	3B-320
1130-U1	8A-120
1130-U2	8A-120
1130-U7	8A-170
1130-U7-01	8A-170
1130-U7-V	8A-170
1130-U7-01V	8A-170
1130-U9	8A-160
1130-U13	8A-160
1130-U15	8A-110
1130-U16	8A-110
1150-B33	3C-160
1150-U1	3C-120
1150-U1-02	3C-120
1150-U1-03	3C-120
1150-U2-01	3C-120
1150-U2-02	3C-120
1150-U2-03	3C-120
1150-U2-11	3C-720
1150-U2-12	3C-720
1150-U2-13	3C-730
1150-U3	3C-120
1150-U3-02	3C-120
1150-U3-03	3C-120
1150-U4	3C-120
1150-U4-01	3C-120
1150-U4-02	3C-120
1150-U4-03	3C-120
1150-U4-11	3C-720
1150-U4-12	3C-720
1150-U4-13	3C-730
1150-U9	3C-120
1150-U9-01	3C-120
1150-U9-02	3C-120
1150-U9-03	3C-120
1150-U9-11	3C-720
1150-U9-12	3C-720
1150-U9-13	3C-730
1150-U10	3C-120
1150-U10-01	3C-120
1150-U10-02	3C-120
1150-U10-03	3C-120
1150-U10-11	3C-720
1150-U10-12	3C-720
1150-U10-13	3C-730
1150-U11	3C-120
1150-U11-01	3C-120
1150-U11-02	3C-120
1150-U11-03	3C-120
1150-U11-11	3C-720
1150-U11-12	3C-720
1150-U11-13	3C-730
1150-U12	3C-120
1150-U12-01	3C-120
1150-U12-02	3C-120
1150-U12-03	3C-120

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Items printed in gray without stock

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Beschlagteile

Index by part number

Part no.	Catalogue page
1150-U12-11	3C-720
1150-U12-12	3C-720
1150-U12-13	3C-730
1150-U13	3C-120
1150-U13-01	3C-120
1150-U13-02	3C-120
1150-U13-03	3C-120
1150-U13-11	3C-720
1150-U13-12	3C-720
1150-U13-13	3C-730
1150-U14	3C-120
1150-U14-01	3C-120
1150-U14-02	3C-120
1150-U14-03	3C-120
1150-U14-11	3C-720
1150-U14-12	3C-720
1150-U14-13	3C-730
1150-U15	3C-120
1150-U15-01	3C-120
1150-U15-02	3C-120
1150-U15-03	3C-120
1150-U15-11	3C-720
1150-U15-12	3C-720
1150-U15-13	3C-730
1150-U16	3C-120
1150-U16-01	3C-120
1150-U16-02	3C-120
1150-U16-03	3C-120
1150-U16-11	3C-720
1150-U16-12	3C-720
1150-U16-13	3C-730
1150-U17	3C-120
1150-U17-01	3C-120
1150-U17-02	3C-120
1150-U17-03	3C-120
1150-U17-11	3C-720
1150-U17-12	3C-720
1150-U17-13	3C-730
1150-U18	3C-120
1150-U18-01	3C-120
1150-U18-02	3C-120
1150-U18-03	3C-120
1150-U18-11	3C-720
1150-U18-12	3C-720
1150-U18-13	3C-730
1150-U19	3C-120
1150-U19-01	3C-120
1150-U19-02	3C-120
1150-U19-03	3C-120
1150-U19-11	3C-720
1150-U19-12	3C-720
1150-U19-13	3C-730
1150-U26	3C-120
1150-U20	3C-120
1150-U20-02	3C-120
1150-U20-03	3C-120
1150-U20-11	3C-720
1150-U20-12	3C-720
1150-U20-13	3C-730
1150-U21	3C-120
1150-U21-02	3C-120
1150-U21-03	3C-120
1150-U22	3C-120
1150-U22-02	3C-120
1150-U22-03	3C-120
1150-U23	3C-120
1150-U23-02	3C-120
1150-U23-03	3C-120
1150-U24	3C-120
1150-U24-02	3C-120
1150-U24-03	3C-120
1150-U25	3C-120
1150-U25-02	3C-120
1150-U25-03	3C-120
1150-U26	3C-120
1150-U26-02	3C-120
1150-U26-03	3C-120
1150-U27	3C-120
1150-U27-02	3C-120
1150-U27-03	3C-120
1150-U28	3C-120
1150-U28-02	3C-120
1150-U28-03	3C-120
1150-U29	3C-120
1150-U29-02	3C-120
1150-U29-03	3C-120
1150-U30	3C-120
1150-U30-02	3C-120
1150-U30-03	3C-120
1150-U31	3C-120
1150-U31-01	3C-120
1150-U31-02	3C-120
1150-U31-03	3C-120
1150-U31-11	3C-720
1150-U31-12	3C-720
1150-U31-13	3C-730
1150-U32	3C-120
1150-U32-02	3C-120
1150-U32-03	3C-120
1150-U33-03	3C-140
1150-U33-22	3C-740
1150-U34-03	3C-140
1150-U34-22	3C-740
1150-U35-03	3C-140
1150-U35-22	3C-740
1150-U35-30	3C-740
1150-U35-31	3C-740
1150-U36-03	3C-140
1150-U36-22	3C-740
1150-U36-30	3C-740
1150-U36-31	3C-740
1150-U37-03	3C-140
1150-U37-22	3C-740
1150-U37-30	3C-740
1150-U37-31	3C-740
1150-U38-03	3C-140
1150-U38-22	3C-740
1150-U38-30	3C-740
1150-U38-31	3C-740
1150-U39-03	3C-140
1150-U39-22	3C-740
1150-U39-30	3C-740
1150-U39-31	3C-740
1150-U40-03	3C-140
1150-U40-22	3C-740
1150-U40-30	3C-740
1150-U40-31	3C-740
1150-U41-03	3C-140
1150-U41-22	3C-740
1150-U41-30	3C-740
1150-U41-31	3C-740
1150-U42-03	3C-140
1150-U42-22	3C-740
1150-U42-30	3C-740
1150-U42-31	3C-740
1150-U43-03	3C-140
1150-U43-22	3C-740
1150-U43-30	3C-740
1150-U43-31	3C-740
1150-U44-03	3C-140
1150-U44-22	3C-740
1150-U44-30	3C-740
1150-U44-31	3C-740
1150-U45-03	3C-140
1150-U45-22	3C-740
1150-U45-30	3C-740
1150-U45-31	3C-740
1150-U46-03	3C-140
1150-U46-22	3C-740
1150-U46-30	3C-740
1150-U46-31	3C-740
1150-U50-01	3C-780
1150-U50-02	3C-780
1150-U50-03	3C-780
1150-U51-02	3C-780
1150-U52	3C-780
1150-U53	3C-780
1150-U54	3C-780
1150-U55-01	3C-120
1150-U55-03	3C-120
1150-U56	3C-160
1150-U56-01	3C-160
1150-U56-V	3C-160
1150-U56-01V	3C-160
1150-U57	3YC-180
1150-U63	1C-130
1150-U63-01	3YC-190
1150-U63-02	3YC-190
1151-05	3C-420
1151-05-01	3C-420
1151-U1	3C-420
1151-U3	3C-440
1152-U1	3C-520
1152-U2	3C-520
1152-U3	3C-520
1152-U4	3C-520
1152-U9	3C-540
1152-U9-01	3C-540
1152-U10	3C-540
1152-U10-01	3C-540
1152-U11	3C-540
1152-U11-01	3C-540
1152-U12	3C-540
1152-U12-01	3C-540
1153-U1	3C-320
1153-U2	3C-320
1154-U1	3C-220
1154-U2	3C-220
1154-U3	3C-220
1154-U4	3C-260
1154-U5	3C-260
1154-U6	3C-240
1154-U6-02	3C-240
1154-U6-03	3C-240
1154-U6-V	3C-240
1154-U6-02V	3C-240
1154-U6-03V	3C-240
1155-U1	3C-620
1155-U1-11	3C-750
1155-U2	3C-620
1155-U2-11	3C-750
1160-08-01RA	3ZA-420
1160-08-03RA	3ZA-420
1160-08-05RA	3ZA-420
1160-08-07RA	3ZA-420
1160-09-01RA	3ZA-420
1160-09-03RA	3ZA-420
1160-09-05RA	3ZA-420
1160-09-07RA	3ZA-420
1160-U1	3D-120
1160-U2	3D-120
1160-U3	3D-120
1160-U4	3D-120
1160-U9	3D-120
1160-U10	3D-120
1160-U11	3D-120
1160-U12	3D-120
1160-U13	3D-120
1160-U14	3D-120
1160-U15	3D-120
1160-U16	3D-120
1160-U17	3D-120
1160-U18	3D-120
1160-U19	3D-120
1160-U20	3D-120
1160-U21	3D-120
1160-U22	3D-120
1160-U23	3D-120
1160-U24	3D-120
1160-U25	3D-120
1160-U26	3D-120
1160-U27	3D-120
1160-U28	3D-120
1160-U29	3D-120
1160-U30	3D-120
1160-U31	3D-120
1160-U32	3D-120
1160-U35	3D-120
1160-U36	3D-120
1160-U52	3D-120
1160-U53	3D-120
1160-U54	3D-120
1160-U55	3D-120
1160-U56	3D-120
1160-U57	3D-120
1160-U58	3D-120
1160-U59	3D-120
1160-U60	3D-120
1160-U61	3D-120
1160-U62	3D-120
1160-U63	3D-120
1160-U64	3D-120
1160-U65	3D-120
1160-U66	3D-120
1160-U101	3D-220
1160-U102	3D-220
1160-U103	3D-220
1160-U104	3D-220
1160-U109	3D-220
1160-U110	3D-220
1160-U111	3D-220
1160-U112	3D-220
1160-U113	3D-220
1160-U114	3D-220
1160-U115	3D-220
1160-U116	3D-220
1160-U117	3D-220
1160-U118	3D-220
1160-U119	3D-220
1160-U120	3D-220
1160-U121	3D-220
1160-U122	3D-220
1160-U123	3D-220
1160-U124	3D-220
1160-U125	3D-220
1160-U126	3D-220
1160-U127	3D-220
1160-U128	3D-220
1160-U129	3D-220
1160-U130	3D-220
1160-U131	3D-220
1160-U132	3D-220
1160-U135	3D-220
1160-U136	3D-220
1160-U152	3D-220
1160-U153	3D-220
1160-U154	3D-220
1160-U155	3D-220
1160-U156	3D-220
1160-U157	3D-220
1160-U158	3D-220
1160-U159	3D-220
1160-U160	3D-220
1160-U161	3D-220
1160-U162	3D-220
1160-U163	3D-220
1160-U164	3D-220
1160-U165	3D-220
1160-U166	3D-220
1160-U200-LI	3D-140
1160-U200-RE	3D-140
1160-U201	3D-140
1160-U202	3D-140
1160-U203	3D-140
1160-U204	3D-140
1160-U235	3D-140
1160-U236	3D-140
1180-08-01RA	3ZA-520
1180-08-03RA	3ZA-520
1180-08-05RA	3ZA-520
1180-08-07RA	3ZA-520
1180-09-01RA	3ZA-520
1180-09-03RA	3ZA-520
1180-09-05RA	3ZA-520
1180-09-07RA	3ZA-520
1180-U1	3E-120
1180-U2	3E-120
1180-U3	3E-120
1180-U4	3E-120
1180-U5	3E-120
1180-U6	3E-120
1180-U7	3E-120
1180-U8	3E-120
1180-U9	3E-120
1180-U10	3E-120
1180-U11	3E-120
1180-U12	3E-120
1180-U13	3E-120
1180-U14	3E-120
1180-U15	3E-120

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Items printed in gray without stock

Index by part number

Part no.	Catalogue page
1180-U16	3E-120
1180-U101	3E-220
1180-U102	3E-220
1180-U103	3E-220
1180-U104	3E-220
1180-U105	3E-220
1180-U106	3E-220
1180-U107	3E-220
1180-U108	3E-220
1180-U109	3E-220
1180-U110	3E-220
1180-U111	3E-220
1180-U112	3E-220
1180-U113	3E-220
1180-U114	3E-220
1180-U115	3E-220
1180-U116	3E-220
1180-U200-LI	3E-140
1180-U200-RE	3E-140
1180-U201	3E-320
1180-U301	3E-140
1185-U1	3E-520
1185-U2	3E-520
1185-U3	3E-540
1185-U4	3E-540
1185-U4-V	3E-540
1185-U5	3E-540
1185-U5-V	3E-540
1190-25-01JB	3ZA-560
1190-25-01TA	3ZA-560
1190-25-02JB	3ZA-560
1190-25-02TA	3ZA-560
1190-27-01JB	3ZA-560
1190-27-01TA	3ZA-560
1190-27-02JB	3ZA-560
1190-27-02TA	3ZA-560
1190-U1	3F-120
1190-U3	3F-220
1190-U4	3F-220
1190-U5	3F-220
1190-U6	3F-420
1190-U6-V	3F-420
1190-U7	3F-420
1190-U7-V	3F-420
1190-U9	3F-420
1190-U10	3F-420
1190-U11	3F-420
1190-U12	3F-420
1190-U13	3F-420
1190-U14	3F-420
1190-U15	3F-420
1190-U16	3F-420
1190-U17	3F-420
1190-U18	3F-420
1190-U19	3F-420
1190-U20	3F-420
1190-U21	3F-420
1190-U22	3F-420
1190-U23	3F-420
1190-U24	3F-420
1190-U25	3F-420
1190-U26	3F-420
1190-U27	3F-420
1190-U28	3F-420
1190-U29	3F-420
1190-U30	3F-420
1190-U31	3F-420
1190-U32	3F-420
1190-U106	3F-430
1190-U107	3F-430
1190-U206	3F-320
1190-U206-V	3F-320
1190-U209	3F-320
1190-U210	3F-320
1190-U211	3F-320
1190-U212	3F-320
1190-U213	3F-320
1190-U214	3F-320
1190-U215	3F-320
1190-U216	3F-320
1190-U217	3F-320
1190-U218	3F-320
1190-U219	3F-320
1190-U231	3F-320
1190-U306	3F-330
1200-U…-01	7A-120
1200-U…-02	7A-120
1200-U…-03	7A-120
1200-U…-04	7A-120
1200-U…-05	7A-120
1200-U…-06	7A-120
1200-U…-07	7A-120
1200-U…-08	7A-120
1200-U…-09	7A-120
1200-U…-10	7A-120
1200-U…-11	7A-120
1200-U…-12	7A-120
1200-U…-13	7A-120
1200-U…-14	7A-120
1200-U…-15	7A-120
1200-U…-16	7A-120
1200-U…-17	7A-120
1200-U…-18	7A-120
1210-U…	7B-120
1210-U…	7B-320
1210-X…	7B-120
1210-X…	7B-320
1215-U1	7B-220
1215-U1-V	7B-220
1215-U2-U78	7B-220
1215-U2-U322	7B-220
1215-U2-U323	7B-220
1215-U2-U324	7B-220
1215-U2-U325	7B-220
1215-U2-U326	7B-220
1215-U2-U327	7B-220
1215-U2-U328	7B-220
1215-U2-U329	7B-220
1215-U2-U739	7B-220
1221-U19	3G-120
1221-U20	3G-120
1221-U22	3G-120
1221-U23	3G-120
1221-U133	3G-120
1221-U134	3G-120
1221-U135	3G-120
1221-U19A	3G-120
1221-U22A	3G-120
1223-U1	3G-180
1223-U2	3G-180
1223-U3	3G-180
1223-U4	3G-180
1223-U5	3G-180
1223-U6	3G-180
1223-U7	3G-180
1223-U8	3G-180
1223-U9	3G-180
1223-U10	3G-180
1223-U11	3G-180
1223-U12	3G-180
1223-U13	3G-180
1223-U14	3G-180
1223-U15	3G-180
1223-U16	3G-180
1223-U17	3G-180
1223-U18	3G-180
1223-U19	3G-180
1223-U20	3G-180
1223-U21	3G-180
1223-U22	3G-180
1223-U25	3G-180
1223-U26	3G-180
1223-U27	3G-180
1223-U28	3G-180
1223-U29	3G-180
1223-U30	3G-180
1223-U31	3G-180
1223-U32	3G-180
1223-U33	3G-180
1225-U60	3G-320
1225-U62	3G-320
1225-U101	3G-260
1225-U184	3G-220
1225-U185	3G-220
1225-U185-01	3G-220
1225-U186	3G-220
1225-U186-01	3G-220
1225-U190	3G-220
1225-U190-01	3G-220
1225-U191	3G-220
1225-U191-01	3G-220
1225-U191-E	3G-220
1225-U193	3G-220
1225-U194	3G-220
1225-U195	3G-220
1225-U196	3G-220
1225-U198	3G-420
1225-U200	3G-220
1225-U201	3G-220
1225-U202	3G-220
1225-U203	3G-220
1225-U206	3G-220
1225-U207	3G-220
1225-U210	3G-220
1225-U211	3G-220
1225-U212	3G-220
1225-U213	3G-220
1225-U214	3G-220
1225-U215	3G-220
1225-U216	3G-220
1225-U219	3G-220
1225-U220	3G-220
1225-U221	3G-220
1225-U222	3G-220
1225-U224	3G-220
1225-U225	3G-220
1225-U236	3G-220
1225-U239	3G-220
1225-U242	3G-220
1225-U243	3G-220
1225-U244	3G-220
1225-U245	3G-220
1225-U246	3G-220
1225-U247	3G-220
1225-U248	3G-220
1225-U249	3G-220
1225-U250	3G-220
1225-U251	3G-220
1225-U252	3G-220
1225-U253	3G-220
1225-U254	3G-220
1225-U256	3G-220
1225-U257	3G-220
1225-U268	3G-220
1225-U269	3G-220
1225-U275	3G-220
1225-U276	3G-220
1225-U282	3G-220
1225-U283	3G-220
1225-U291	3G-420
1225-U302	3G-260
1225-U303	3G-260
1225-U326	3G-260
1225-U339	3G-260
1240-U1	3G-520
1240-U2	3G-520
1250-U1	8D-520
1250-U2	8D-520
1250-U3	8D-520
1250-U4	8D-540
1250-U5	8D-540
1250-U6	8D-540
1250-U7	8D-540
1300-U1-BxH	7C-120
1317-U102	3AB-120
1317-U102-BO	3AB-120
1317-U102-HJ	3AB-120
1317-U103	3AB-120
1317-U103-BO	3AB-120
1317-U103-HJ	3AB-120
1317-U122	3AB-120
1317-U122-BO	3AB-120
1317-U122-HJ	3AB-120
1317-U123	3AB-120
1317-U123-BO	3AB-120
1317-U123-HJ	3AB-120
1317-U131	3AB-120
1317-U131-HJ	3AB-120
1317-U151-02	3AB-120
1317-U151-02HJ	3AB-120
1317-U155-BO	3AB-180
1317-U156-BO	3AB-180
1317-U157-BO	3AB-180
1317-U158-BO	3AB-180
1317-U161-02	3AB-120
1317-U161-02HJ	3AB-120
1317-U201	3AB-160
1317-U201-HJ	3AB-160
1317-U202	3AB-160
1317-U202-HJ	3AB-160
1317-U221	3AB-160
1317-U221-HJ	3AB-160
1317-U222	3AB-160
1317-U222-HJ	3AB-160
1317-U301	3AB-160
1317-U301-BO	3AB-160
1317-U302	3AB-160
1317-U302-BO	3AB-160
1317-U321	3AB-160
1317-U321-01	3AB-220
1317-U321-BO	3AB-160
1317-U322	3AB-160
1317-U322-BO	3AB-160
1317-U401	3AB-140
1317-U401-01	3AB-140
1317-U403-01	3AB-140
1317-U406	3AB-140
1317-U406-01	3AB-140
1317-U421	3AB-140
1317-U421-01	3AB-140
1317-U421-02	3AB-220
1317-U423-01	3AB-140
1317-U426	3AB-140
1317-U426-01	3AB-140
1321-U1	3BA-120
1321-U2	3BA-120
1321-U3	3BA-120
1321-U4	3BA-120
1325-14-01JB	3ZA-600
1325-14-03JB	3ZA-600
1325-14-05JB	3ZA-600
1325-14-07JB	3ZA-600
1325-15-01JB	3ZA-600
1325-15-03JB	3ZA-600
1325-15-05JB	3ZA-600
1325-15-07JB	3ZA-600
1325-U1	3BA-220
1325-U1-01	3BA-220
1325-U2	3BA-220
1325-U2-01	3BA-220
1325-U3	3BA-220
1325-U3-01	3BA-220
1325-U4	3BA-220
1325-U4-01	3BA-220
1325-U22	3BA-210
1325-U101	3BA-210
1325-U101	3BA-220
1325-U201	3BA-320
1325-U202	3BA-320
1325-U202	3ZA-605
1325-U220-01	3ZA-605
1325-U220-03	3ZA-605
1325-U220-05	3ZA-605
1325-U220-07	3ZA-605
1390-11-01JB	3ZA-610
1390-11-03JB	3ZA-610
1390-11-05JB	3ZA-610
1390-11-07JB	3ZA-610
1390-12-01JB	3ZA-610
1390-12-03JB	3ZA-610
1390-12-05JB	3ZA-610
1390-12-07JB	3ZA-610

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Items printed in gray without stock

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Index by part number

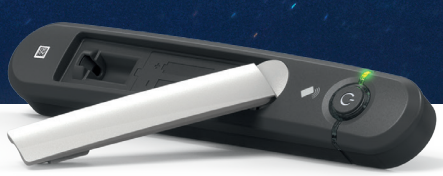
Part no.	Catalogue page
1390-U1	3FA-140
1390-U1	3FA-150
1390-U1-CX	3FA-140
1390-U1-CX	3FA-150
1390-U2	3FA-140
1390-U2	3FA-150
1390-U3	3FA-140
1390-U3	3FA-150
1390-U4	3FA-140
1390-U4	3FA-150
1390-U10-01	3ZA-610
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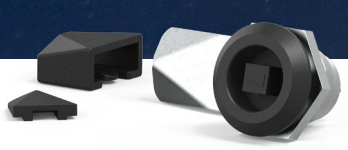
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