



CATALOGUE

SHENGJIU TECHNOLOGY CO.,LTD.



ISO9001/ISO14001 IRIS TS16949



CATALOGUE

2021



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Shengjiu Introduction

Shengjiu Cabinets Lock Co., Ltd is a comprehensive cabinet locks and hardware manufacturing enterprise integrating R&D, industry and trading. It was established in 1984.

Shengjiu has cultivated a professional and dedicated R&D team. We dedicate in developing three main principle products, such as cabinet locks, hinges and handles. We design products base on daring ideas and acquire the up-to-date information locally and abroad keenly. The company possesses more than 40 products of its own producing and selling right.

The company has a complete system in tracing, monitoring and inspecting starting from R&D, molding making, die-casting, punching, surface treatment and assembling.

After 20 years development, Shengjiu has already established its own quality systems and products standards. The company established the management standard after advanced equipment of mold and testing center was set up. We get ISO9001:2000 in 2001. At the same time we were beginning to pay more attention to environmental protection and got ISO14001:2004 in 2006.

Shengjiu regards quality as lifeline. We always concentrate on "Service first, quality first" to get more benefit for customer. We also provides different solutions to satisfy the customer's requirement. Meanwhile, We improves the company's internal competition, and provides the outstanding products to customer on time. Eventually achieve a win-win target.



ISO9001:2000
ISO14001:2004



Testing center

The testing center of Shengjiu was established in December 2006, It was divided into three sections: weather resisting test, mechanical property test and physically & chemically analytical test. According to the requirement of JB/T10382-2002 "the General Qualification for Mechanical Locks of Electrical Equipments" and the Shengjiu's standard for products quality, a full set of testing equipment was designed and set up. Counting or science, fair and accurate as its aim of work, Shengjiu gives a guarantee to the quality of its products and also lengthens its products' service life.

The tests include:

1. Weather resisting test

Salt spray, ultraviolet light resisting test, dustproof test temperature and moisture/heat alternating test

2. Mechanical property test and equipments

Tensile test: for examining the tensile strength of the products and materials.

Impact load test: for examining the impact strength of the products and materials.

Image measuring instrument: for drawing products precisely and for analyzing the materials' whole image.

Intelligent electrochemical thickness gauge, hardness gauge, instrument for testing spring's pulling and pressing force, torsion stress testing instrument, vibration testing instrument, instrument for life test.

3. Physically & chemically analytical tests

Atomic absorption spectrophotometer: for analyzing components of materials; for measuring content of hazardous metal according to RoHS application.

Ultraviolet-visible spectrophotometer: for measuring content of hexavalent chromium.





Testing center equipment introduction



» Salt spray tester

Application: Test corrosion resistance of the protecting coating on product's surface



» Image measurement instrument

Application: Measure high precision, irregularly shaped product and draw the outline. Such as angle, radian, radius and hologram generates CAD and so on



» Ultraviolet light and climate resistance adjustable testing box

Application: Test the influence to the color of product's surface and mechanical property under harsh ultraviolet radiation or at temperature 50°C to 70°C



» Dust test chamber

Application: Test the influence to product's mechanical property in harsh sand and dust environment. Confirm whether the sand or dust will get into the inside of cabinets through cabinet locks. Survey the IP degree of cabinet locks



» High-low temperature-humidity test chamber

Application: Test the influence to product's mechanical and physical property in environment of different temperature and humidities



» Impact testing machine

Application: Test the impact resistance of different materials



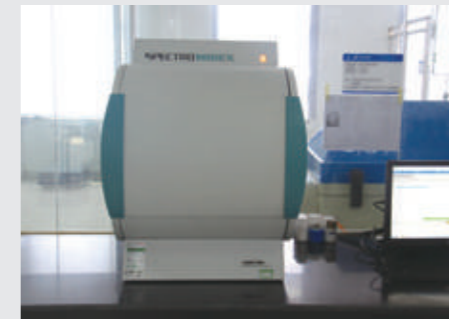
» Pressure tester

Application: Test high pressure performance of electronic products. The main purpose of the pressure test, test circuit and housing leakage current value, and to check the ability of insulation withstand voltage.



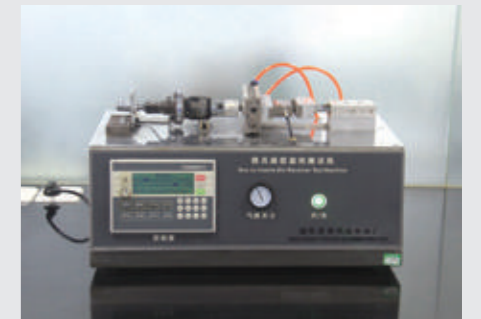
» Electrical parameters measuring instrument

Application: Test electronic products, voltage, current, power factor.



» X Fluorescent direct reading spectrometer

Application: Test the percentage content of each element in the test sample or the ROHS test



» Lock insertion and removal rotation testing machine

Application: Test the usage counter of cylinder in the key plug, pull, turn bolt driven. Test machine shows the key inserted, pull force, torque value of rotation.



» Universal electronic spring pull and press tester

Application: 1. Test the physical property of different materials, such as the tensile strength, the yield stress and the point of elastic deformation
2. Test the bearing capacity of the cam, the magnitude of tensile resistance and the stress of the whole cabinet lock. Test the product's bearable load according to the testing graph
3. Test the magnitude of hinge's widthways and lengthways bearing capacity. Test the product's bearable load according to the testing graph



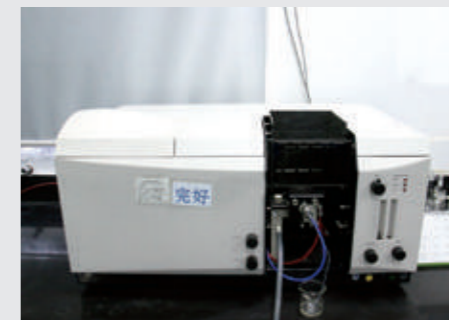
» Vickers hardness tester

Application: Measure the hardness of product after the heat treatment or the hardness of some big products with great hardness. All the products tested by electric hardness tester can also be tested by vickers microhardness tester. Electric hardness tester measures more fast. Vickers microhardness tester measures slowly and complexly



» High speed carbon-sulfur analyzer

Application: Test the percentage of carbon and sulfur in different materials



» Atomic absorption spectrophotometer

Application: Test the percentage of Ni, Pb, Cu, Zn, Fe, Al, Hg, Mn, Li, Mo and so on in different materials



» Waterproof test

Application: Test product waterproof level. Test product features in the water environment whether can normal operation. Test whether in-outside of product is sealed and impermeable



Design&Mould



Shengjiu focuses on every detail and humanization design of its' products. We try to attain the most simple operation method with the most reasonable structure on the premise of our products' quality.

Moulding tool, as the most important link of carrying out an idea into reality, is the key for guarantee factor to the product quality. Our CNC processing center, CNC engraving machine, electric impulse machine and experienced mould designer, make the whole process to be more efficient and reliable.



Naometerspray Painting

CONCEPT OF NANOMETER SPRAY PAINTING

Nanotechnology is one of development form science-and-technology in the area of physics. Nanometer spray painting is which nanotechnology is used in manufacture. It forms compact nanometer painting on the surface of products which include exceptional hardness and high corrosion resistance materials. It can provide many kinds of colors and luster. This is one of the surface treatment which is environment friendly, lower cost, and durable. Nanometer spray painting is not eroded itself to protect the inside metal, the material can be eroded if the surface coating is destroyed, but it's excellent physical capability could replace electroplating treatment in a certain extent.



1	Highest temperature	150℃-180℃
2	Lowest temperature	-40℃
3	Hardness	GB/T6739-96 CHUNG HWA pencil 5-6H
4	Impact	GB/T1732-93 no rift, nofall-off (50kg.cm)
5	Resistance to Boid	Keep normal under 100℃ water for 1 hour
6	Resistance to Acid	Keep normal under 5% HCl for 200 hours
7	Resistance to Alkali	Keep normal under 5% NaOH for 200 hours
8	Salt corrosive-resistance	GB/T1025-1997 under 5% NaCl 500hours in PH=7
9	RoHS compliance	Accordance with RoHS application
10	Color-resistance	Keep the normal color under drying in 180℃ for 1 hour
11	Weather-resistance	GB/T4522-93 E<2 (ASTMG-53) QUV200 hours
12	Bend	GB11185-89 3MM Keep normal
13	Thickness	GB1764-79 40-60um



Vacuum Chrome Plated Nickel Plating Technology

Industrial manufacturing has brought severe damage to earth's ecosystem, and human living environment becomes worse and worse, so providing a better living environment is responsibility and obligation of every enterprise. Shengjiu is devoting to research environmental products and processes. Lasted five years Shengjiu research and explore the Vacuum Chrome-plating environmental finish process, and come true non-polluting & environmental processing, and processing parts in accordance with the standard of EU environmental protection.

Vacuum coating technology is the use of physical and chemical method, solid surface is coated with a layer of special performance, so that the solid surface with wear-resistant, high temperature resistance, corrosion resistance superior performance, antioxidation, anti radiation, conductive, magnetic, insulation and decoration and many other than solid material itself, to improve product quality, extend product life, save energy and achieve significant technical and economic benefit. Working principle: under the condition of vacuum, the metal, alloy or compound (evaporation or sputtering deposition), the cooling in the painted object film-forming process; vacuum coating is a new coating technology, coating preparation process is carried out under vacuum conditions, it with the existing liquid penetration the resulting coating has the following characteristics:

Preparation of thin film, the vacuum environment clean, film is not easy to be contaminated, can obtain good compactness, high purity, uniform coating film.

The film material and substrate material has a wide range of selectivity, thickness of the film can be controlled to produce various functional chrome film.

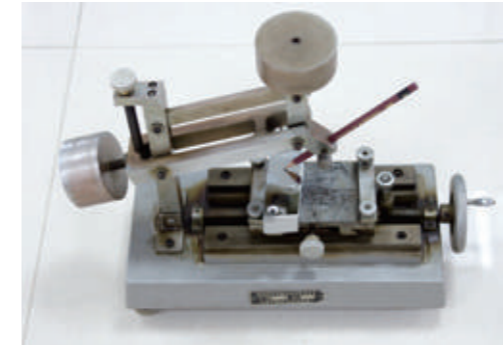
The film and substrate adhesion strength is good, the film is firm.

It does not produce waste, can avoid the pollution of the environment.

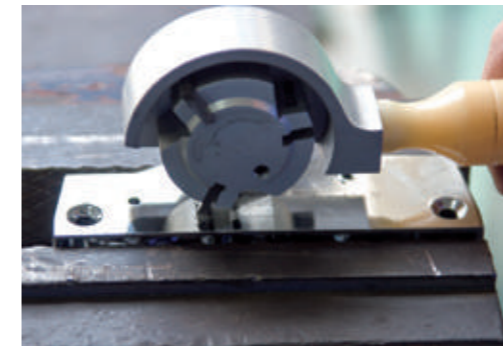
The coating structure is generally divided into: vacuum coating material, vacuum coating, primer, topcoat.



➤ Processing equipment showing



➤ Hardness test



➤ Adhesion test

Vacuum Chrome Plated Nickel Plating Technology

Compared to common plating, vacuum plating can meet the all general performance of common electroplating, its special character more suitable for all kinds of harsh environment, and the coating in line with the EU ROHS related law Requirements. The following is a vacuum chrome of the performance indicators:

Test Items	Technical data	
	Vacuum Chrome Plating	Usual plating
Impact strength	GB/T1793-1993 50kg-cm The surface is OK	/
Boling water resistance	120°C 1hour	/
Hardness	According GB/T6739-2006 more than 2H	/
Adhesive	GB/T 5270-2005 no obscission	GB/T 5270-2005 no obscission
Thickness	40-60um	8-12um
Corrosion resistance	GB/T10125-1997 more than 96H NSS	GB/T10125-1997 more than 48H NSS
Environmental protection	No waste water, so won't produce the products with environmental safety risk	Produce too much heavy metal waste water, not RoHS, so the products also have risk for environmental.

Product picture effect comparison (the appearance effect without any difference)



Vacuum chrome plated



Common electroplated



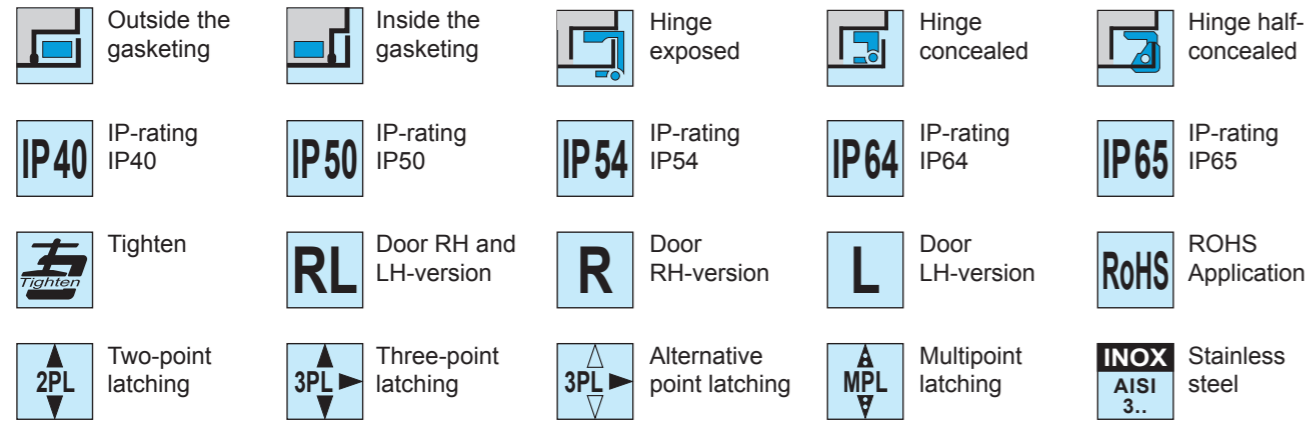
A STRONG SALES NETWORK

With the continued business expansion, Shengjiu has **7** companies which located in city of Beijing, Shanghai, Shenzhen, Wuhan, Qingdao, Ningbo and UAE. It's excellent quality high reputation, prompt service have won trust and favorable comments from a number of clients, and thus build up a reliable brand of Shengjiu(SJ). We own **26** distributors in domestic and **9** distributors in singapore, Japan, Korea, India, Sweden, Germany, Spain, South Africa, and Italy. That make Shengjiu a strong sales network to service for our valuable clients.

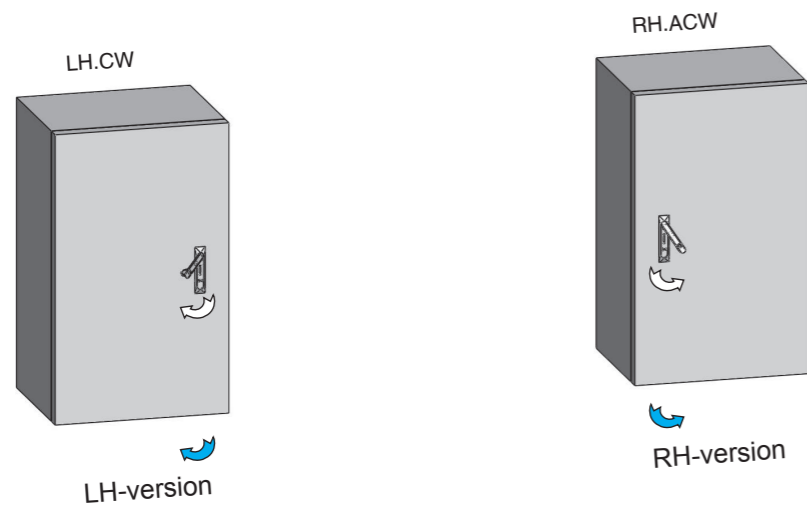
List of contents

Accessories >										
Electronic lock >										
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Door stop >										
Hinge >										
Seal gasket >										

► Explanation of pictograms



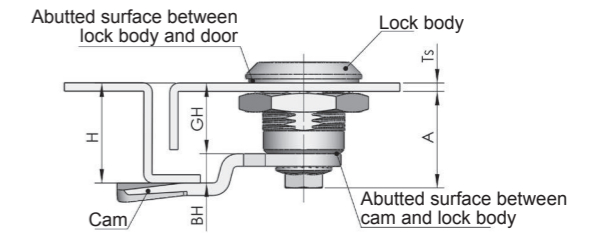
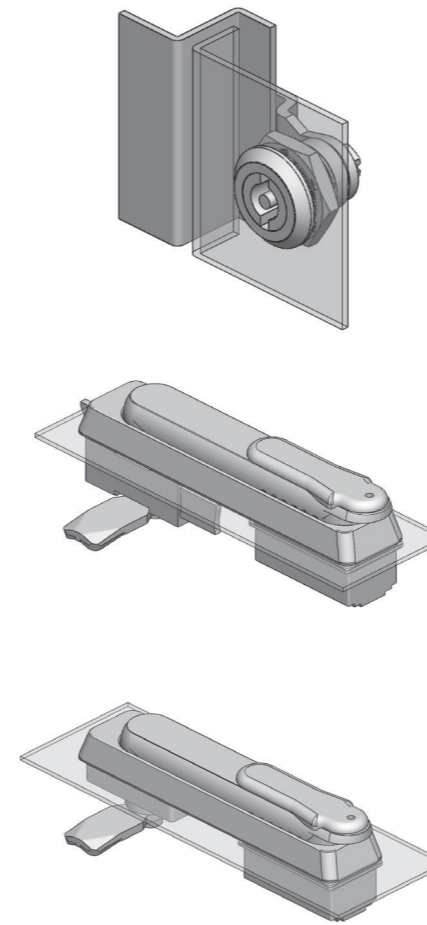
► Explanation of LH and RH version



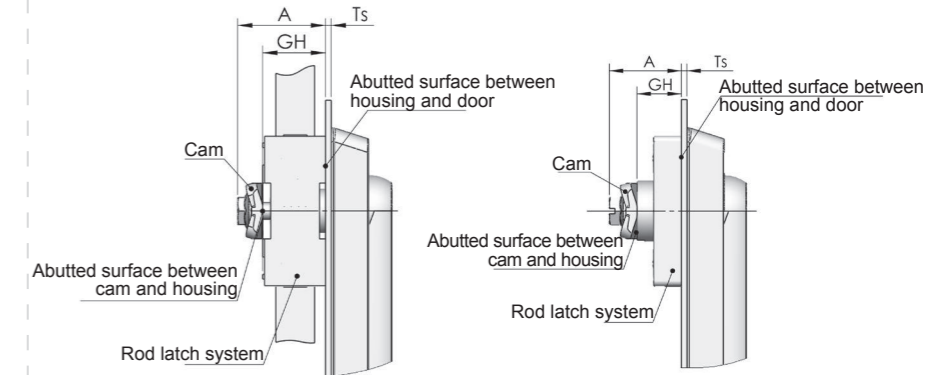
► Abbreviation

Lock: MS	Nut: NT	Right-hand: RH	Brass: Br
Toggle: DK	Vibration proof screw: SW	Anticlockwise rotation: ACW	Zinc die-casting: ZDC
Handle: LS	key: K	Clockwise rotation: CW	Aluminum: ALU
Door stop: TX	Gasket: G	Stroke: Dm	Polyamide: PA
Hinge: CL	Pin: P	Rotation angle: Ra	Polypropylene: PP
Rod: LG	Latch: MB	Powder coated finish: CS	Acrylonitrile Butadiene
Rod accessories: RG	Thickness: Ts	Plated finish: CP	Styrene: ABS
Handle pull: HP	Adjustable distance: Ha	Max-Torque: Tmax	Polycarbonate: PC
Waterproof cap: WP	Stop height: H	Max-load: Fmax	Rubber: RB
Dustproof cap: DP	Groundwork height: GH	Cold rolled steel: CRS	
Profile Insert: TC	Bend height: BH	Spring steel: Fst	
Cam: S	Left-hand: LH	Stainless steel: SUS	

► H and GH specification



GH: the distance A from the abutted surface between lock body and door to the abutted surface between cam and lock body changes when Ts changes.



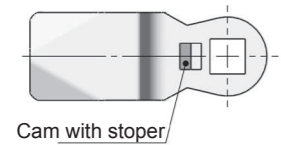
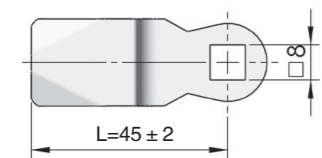
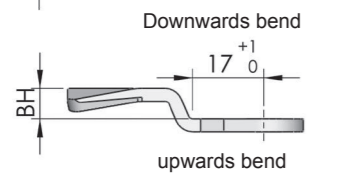
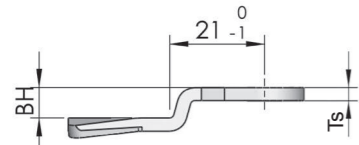
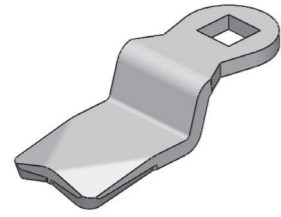
GH: the distance A from abutted surface between housing and door to the abutted surface between cam and housing is invariable when Ts changes. GH is measured from inboard door. The product is separable structure in common case. H=GH+BH

► IP-rating

The IP protection category is characterised by two numerals for protection against contact, foreign objects and water. As defined in IEC60529, the description is following:

1st numeral	Description	2nd numeral	Description
0	Non-protected	0	Non-protected
1	Protected against solid foreign objects with a diameter of 50mm and greater (such as hand)	1	Protected vertically falling water drops (such as condensation water)
2	Protected against solid foreign objects with a diameter of 12.5mm and greater (such as fingers)	2	Protected vertically falling water drops when the enclosure is tilted up to 15°
3	Protected against solid foreign objects with a diameter of 2.5mm and greater (such as tools or thick wires)	3	Protected against splashing water
4	Protected against solid foreign objects with a diameter of 1mm and greater (such as most wires or screws)	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

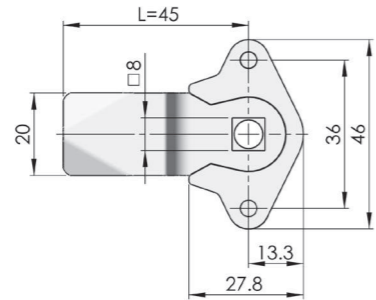
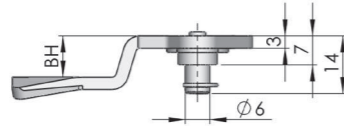
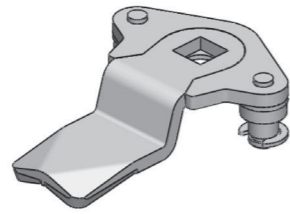
S1B Series



Remarks: Default thickness 3mm, please specify on request of other material, center distance and thickness. Code prefixed with D stands for cam with stopper.

Cam code	BH	ERP
	TS=3	
S1B45N02	-2	S1B45N02019
S1B4500	0	S1B45Y00002
S1B4502	2	S1B45Y02002
S1B4504	4	S1B45Y04002
S1B4506	6	S1B45Y06004
S1B4507	7	S1B45Y07002
S1B4508	8	S1B45Y08002
S1B4510	10	S1B45Y10002
S1B4512	12	S1B45Y12002
S1B4514	14	S1B45Y14002
S1B4516	16	S1B45Y16002
S1B4518	18	S1B45Y18004
S1B4520	20	S1B45Y20002

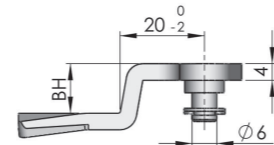
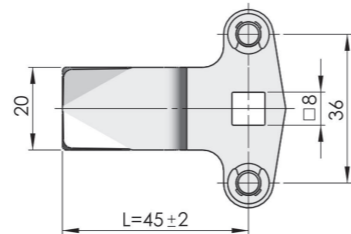
AS3B Series



Remarks: Default thickness 3mm, please specify on request of other material, center distance and thickness. Code prefixed with D stands for cam with stopper.

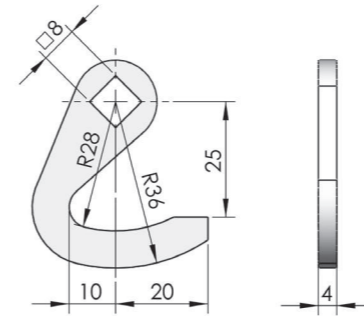
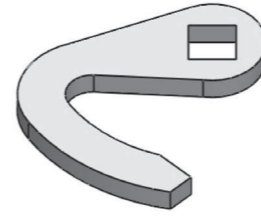
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AS3B4500	0	2882450015
AS3B4502	2	2882452024
AS3B4504	4	2882452025
AS3B4506	6	2882452026
AS3B4507	7	2882452027
AS3B4508	8	2882452028
AS3B4510	10	2882452029
AS3B4512	12	2882451226
AS3B4514	14	2882452030
AS3B4516	16	2882452031
AS3B4518	18	2882452032
AS3B4520	20	2882452022

S3B Series



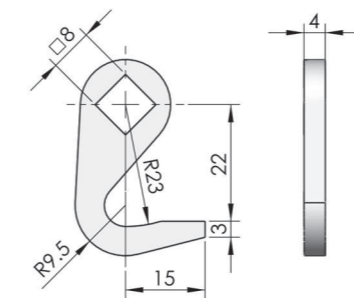
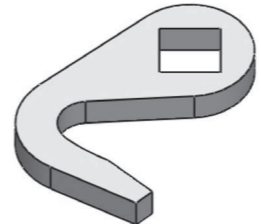
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S3B4500	0	2882450029
S3B4504	4	2882450418
S3B4508	8	2882450822
S3B4510	10	2882451020
S3B4512	12	2882451218
S3B4514	14	2882451415
S3B4516	16	2882451611
S3B4520	20	2882452013
S3B4522	22	2882452212

S1B2836H



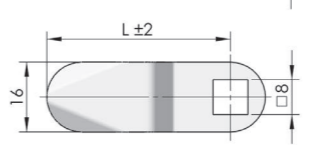
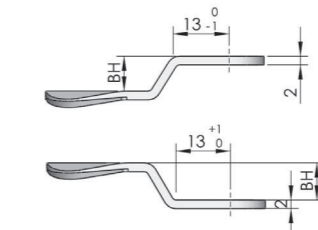
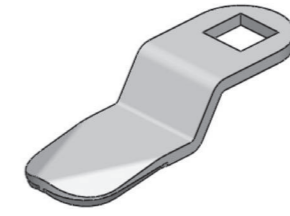
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S1B2836H	28	S1B28Y36002

S1B2328H



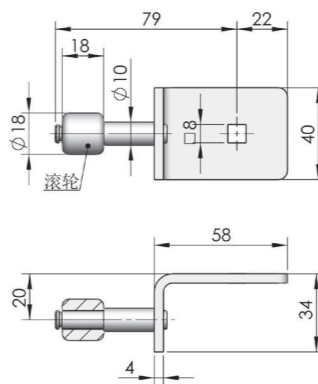
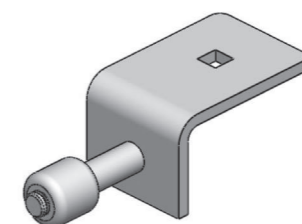
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S1BK Series



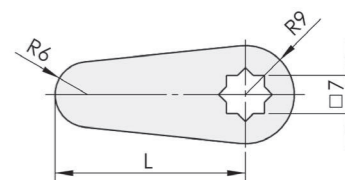
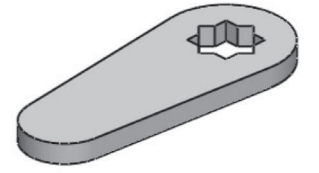
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S1B1179D



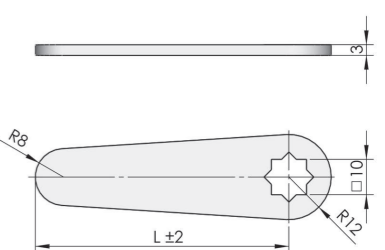
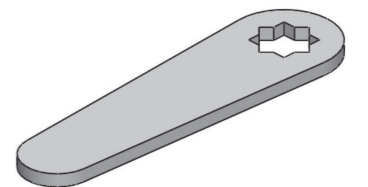
Cam code	BH	Material	ERP
S1B1179D	11	SUS	S1B11Y79003

S1A Series



Cam code	BH	L	ERP
S1A3500	0	35	S1A35Y00005
S1A3900	0	39	S1A39Y00001
S1A7200	0	72	S1A72Y00001

S1C Series



Cam code	BH	L	ERP
S1C4000	0	40	S1C40Y00001
S1C6300	0	63	S1C63Y00002
S1C7200	0	72	S1C72Y00002

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

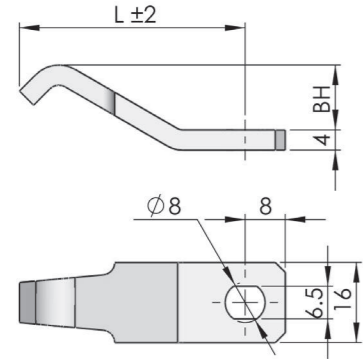
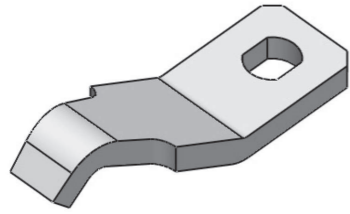
Seal gasket

Accessories

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

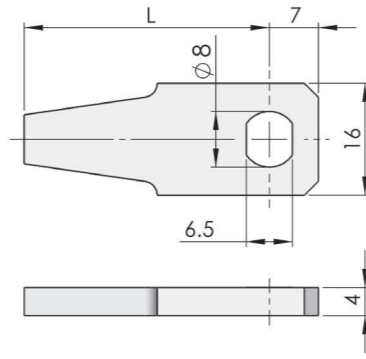
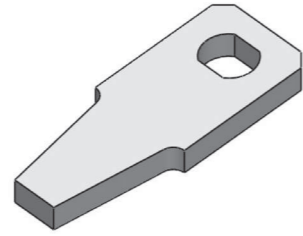
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

S1K4513



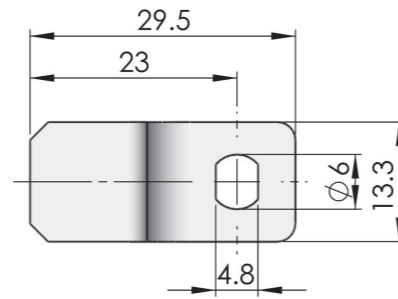
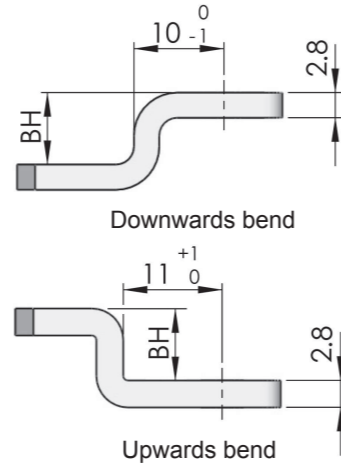
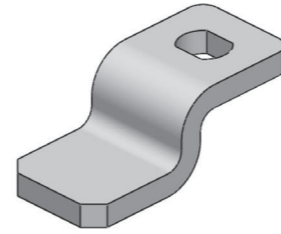
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S1K4513	-13	45	S1K45N13003

S1K3500



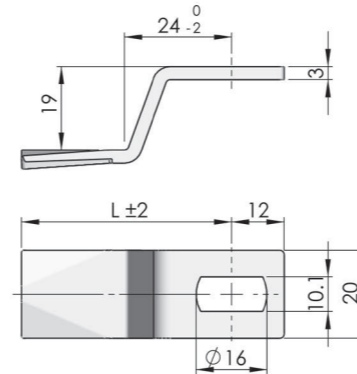
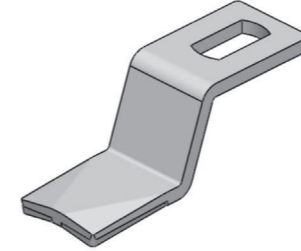
Cam code	BH	L	ERP
S1L3500	0	35	S1K35Y00002

S1G Series



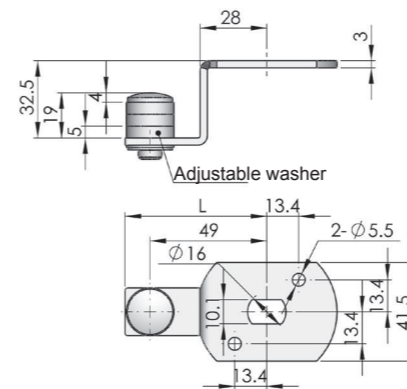
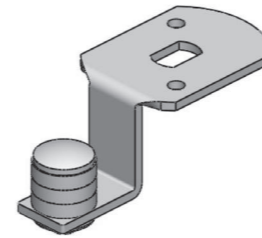
Cam code	BH	L	ERP
S1G2300	0	23	S1G23Y00002
S1G2304	4	23	S1G23Y04002
S1G2308	8	23	S1G23Y08002
S1G2312	12	23	S1G23Y12002
S1G2316	16	23	S1G23Y16002
S1G2320	20	23	S1G23Y20002
S1G2304	-4	23	S1G23N04001
S1G2308	-8	23	S1G23N08005
S1G2312	-12	23	S1G23N12001
S1G2316	-16	23	S1G23N16001
S1G2320	-23	23	S1G23N20005

S1H Series



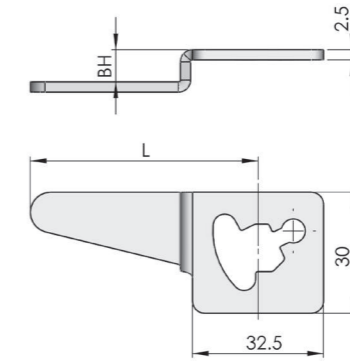
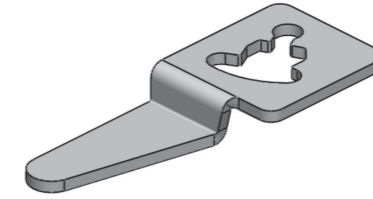
Cam code	BH	L	ERP
S1H4819	19	48	S1H48Y19001

S3H6028



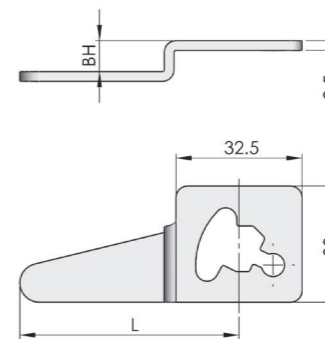
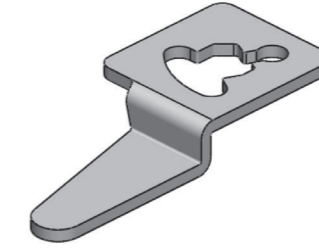
Cam code	BH	L	ERP
S3H6028	13.5/18.5/23.5/28.5	60	S3H60Y28001

S1D Series(Left)



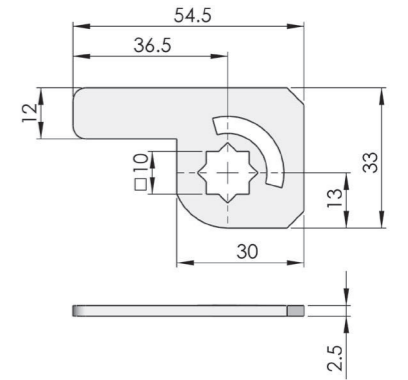
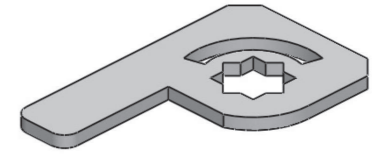
Cam code	BH	L	ERP
S1D5600Z	0	56	S1D56Y00006
S1D5608Z	8	56	S1D56Y08002
S1D5612Z	12	56	S1D56Y12002
S1D5618Z	18	56	S1D56Y18002
S1D5628Z	28	56	S1D56Y28001

S1D Series(Right)



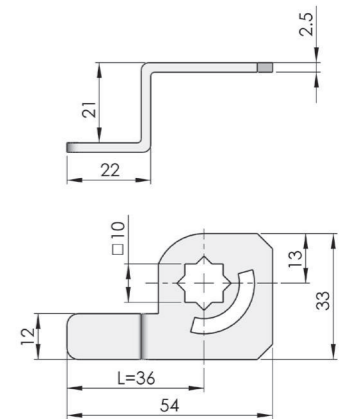
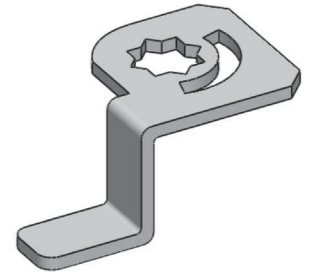
Cam code	BH	L	ERP
S1D5600Y	0	56	S1D56Y00002
S1D5608Y	8	56	S1D56Y08005
S1D5612Y	12	56	S1D56Y12005
S1D5618Y	18	56	S1D56Y18005
S1D5628Y	28	56	S1D56Y28005

S1C3700D



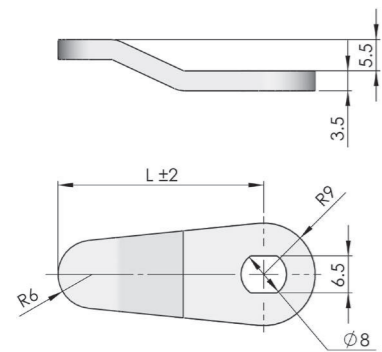
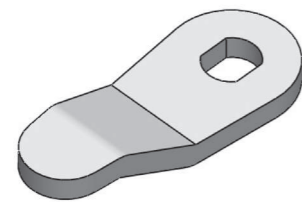
Cam code	BH	L	ERP
S1C3700D	0	36.5	S1C37Y00002

S1C3621D



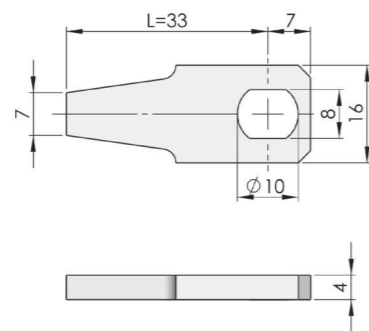
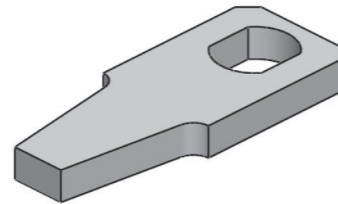
Cam code	BH	L	ERP
S1C3621D	21	36	S1C36Y21002

S1K3606



Cam code	BH	L	ERP
S1K36N06	-6	36	S1K36N06001

S1M3300

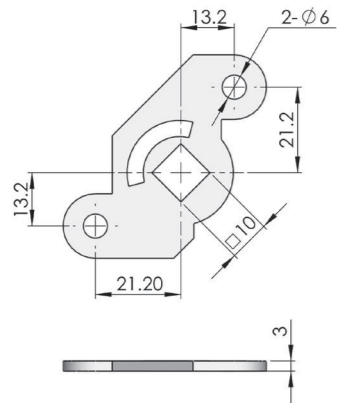
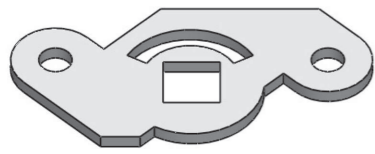


Cam code	BH	L	ERP
S1M3300	0	33	S1M33Y00002

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

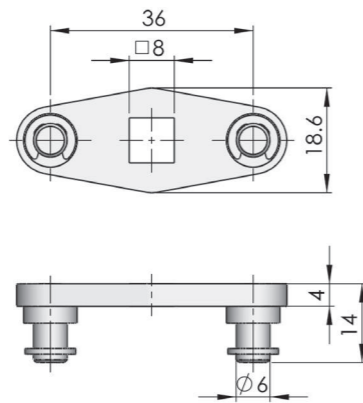
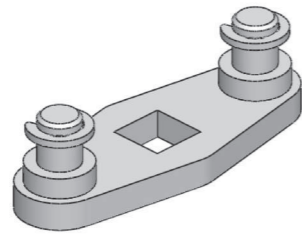
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

S2C2100



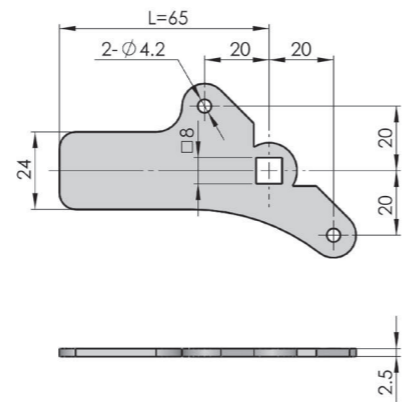
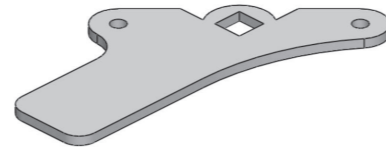
Cam code	ERP
S2C2100	S2C21Y00002

S2B1800



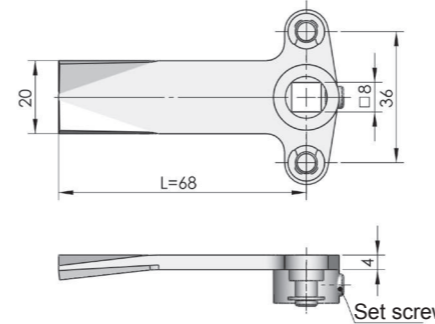
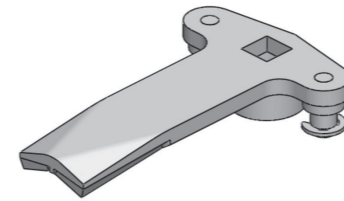
Cam code	ERP
S2B1800	S2B18Y00005

S3B6500



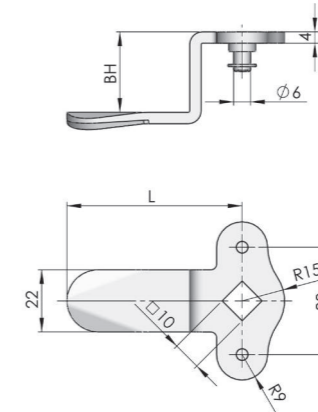
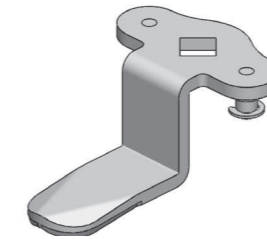
Cam code	ERP
S3B6500	S3B65Y00002

S3B6800A



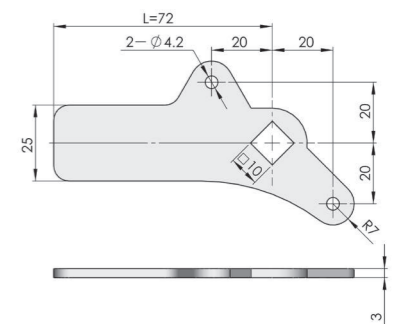
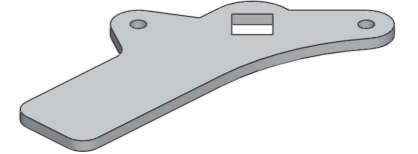
Cam code	BH	L	ERP
S3B6800A	0	68	S3B68Y00002

S3C Series



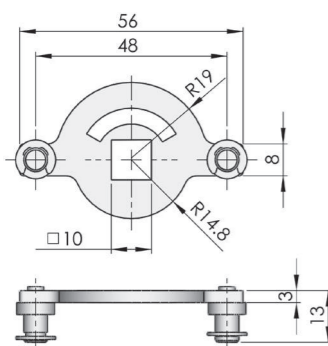
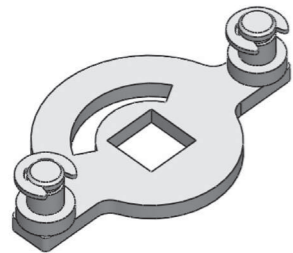
Cam code	BH	L	ERP
S3C8600	0	86	S3C86Y00002
S3C6527	27	65	S3C65Y27002
S3C4851	51	48	S3C48Y51002

S3C7200



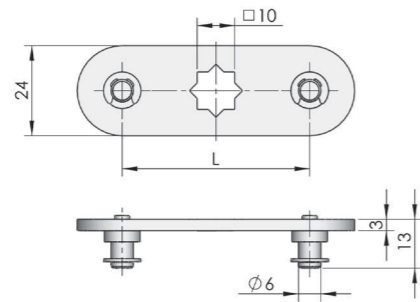
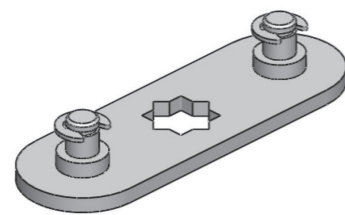
Cam code	BH	L	ERP
S3C7200	0	72	S3C72Y00002

S2C2400



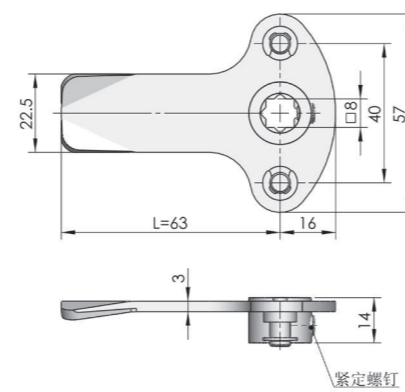
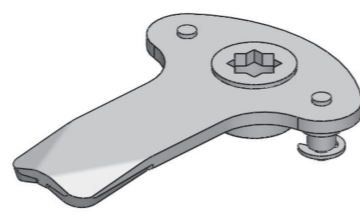
Cam code	ERP
S2C2400	S2C24Y00002

S2C Series



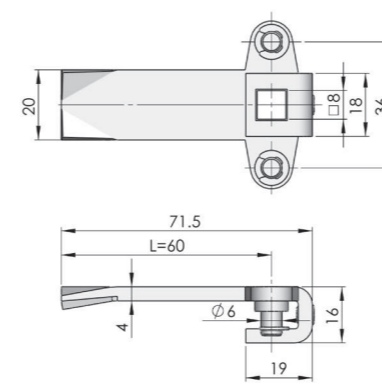
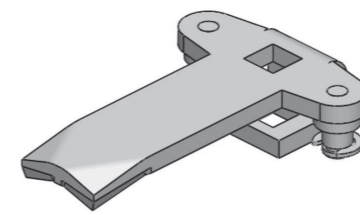
Cam code	L	ERP
S2C2000	0	S2C20Y00002
S2C2500	25	S2C25Y00002

S3B6300A



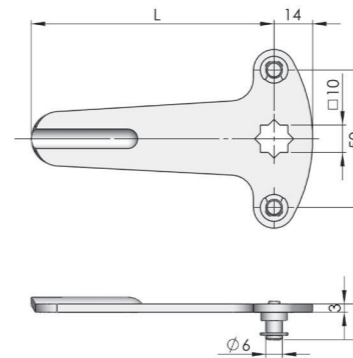
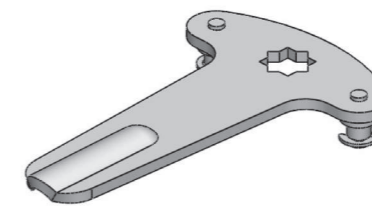
Cam code	BH	L	ERP
S3B6300A	0	63	S3B63Y00002

S3B6000A



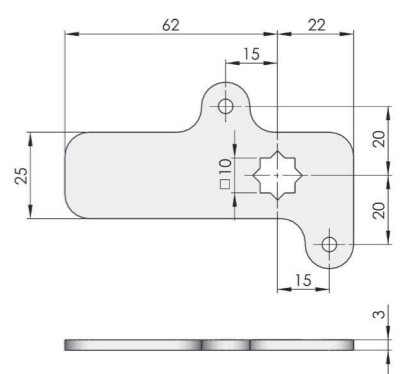
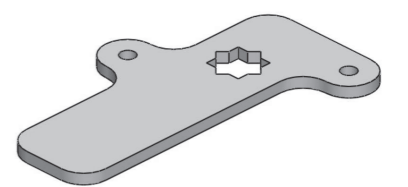
Cam code	BH	L	ERP
S3B6000A	0	60	S3B60Y00002

S3C Series



Cam code	BH	L	ERP
S3C5000	0	50	S3C50Y00003
S3C7000	0	70	S3C70Y00002
S3C8800	0	88	S3C88Y00002

S3C6200

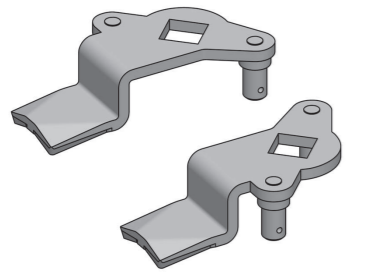


Cam code	BH	L	ERP
S3C6200	0	62	S3C62Y00003

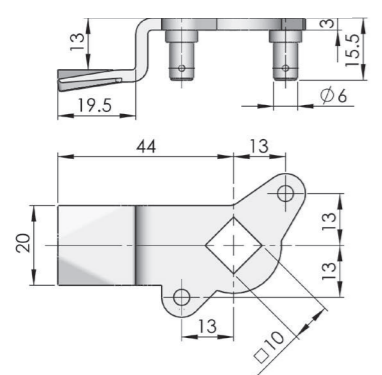
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

S3C4413 Series

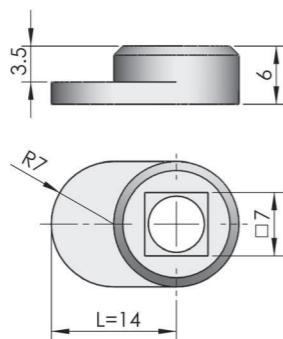
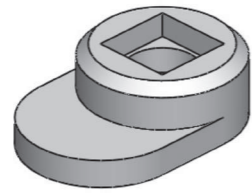


S3C4413Y (right cam)



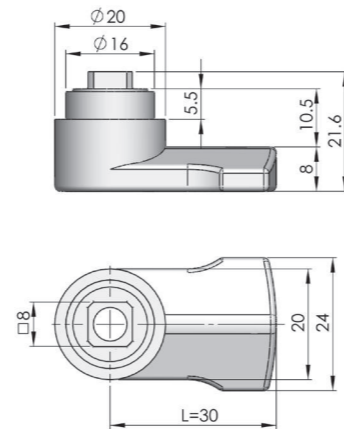
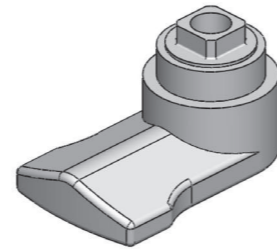
Cam code	BH	L	ERP
S3C4413Y	13	44	2883441307
S3C4413Z	13	44	2883441308

S1A1403X



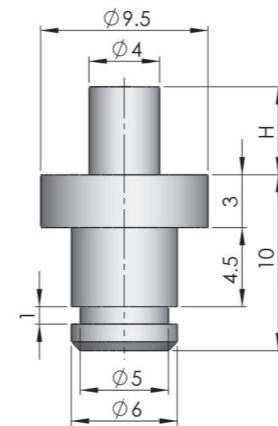
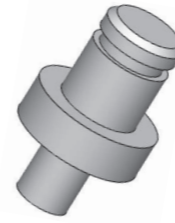
Cam code	ERP
S1A1403X	S1A14Y03001

S1B3011D



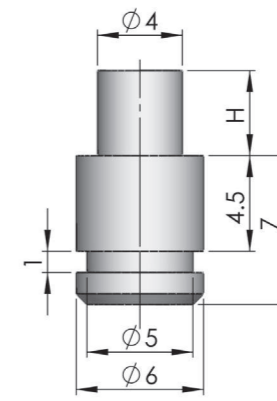
Cam code	L	ERP
S1B3011D	30	S1B30Y11002

PN0011
PN0012



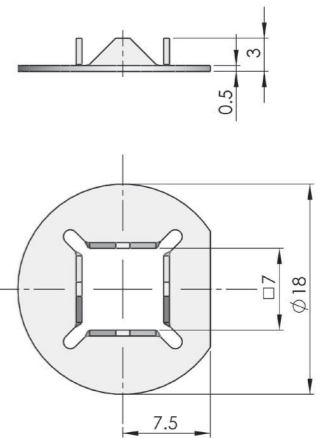
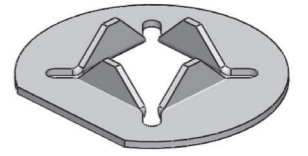
Part code	H	Remarks
PN0011	H=4	Suitable cam thickness 3mm
PN0012	H=5	Suitable cam thickness 4mm

PN0015
PN0016



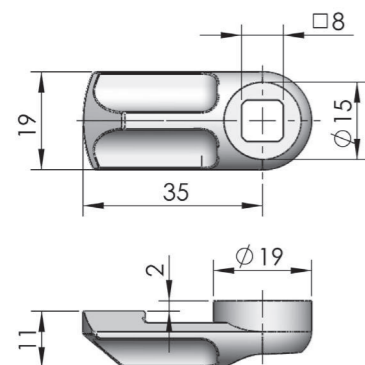
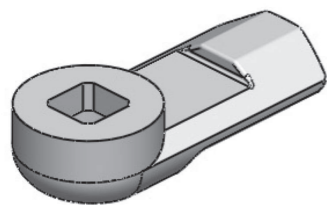
Part code	H	Remarks
PN0015	H=4	Suitable cam thickness 3mm
PN0016	H=5	Suitable cam thickness 4mm

A1001



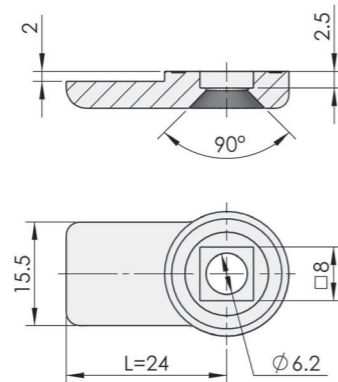
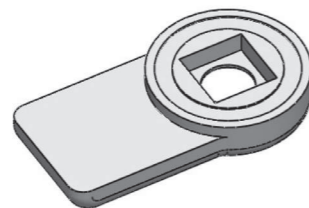
Change cam cut out 8mm to 7mm

S1B3502A



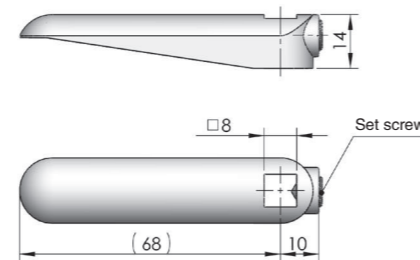
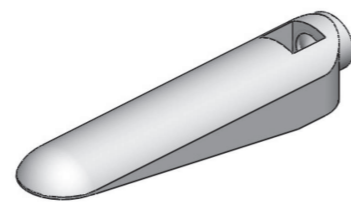
Cam code	BH	L	ERP
S1B3502A	0	35	S1B35Y02001

S1B2402X



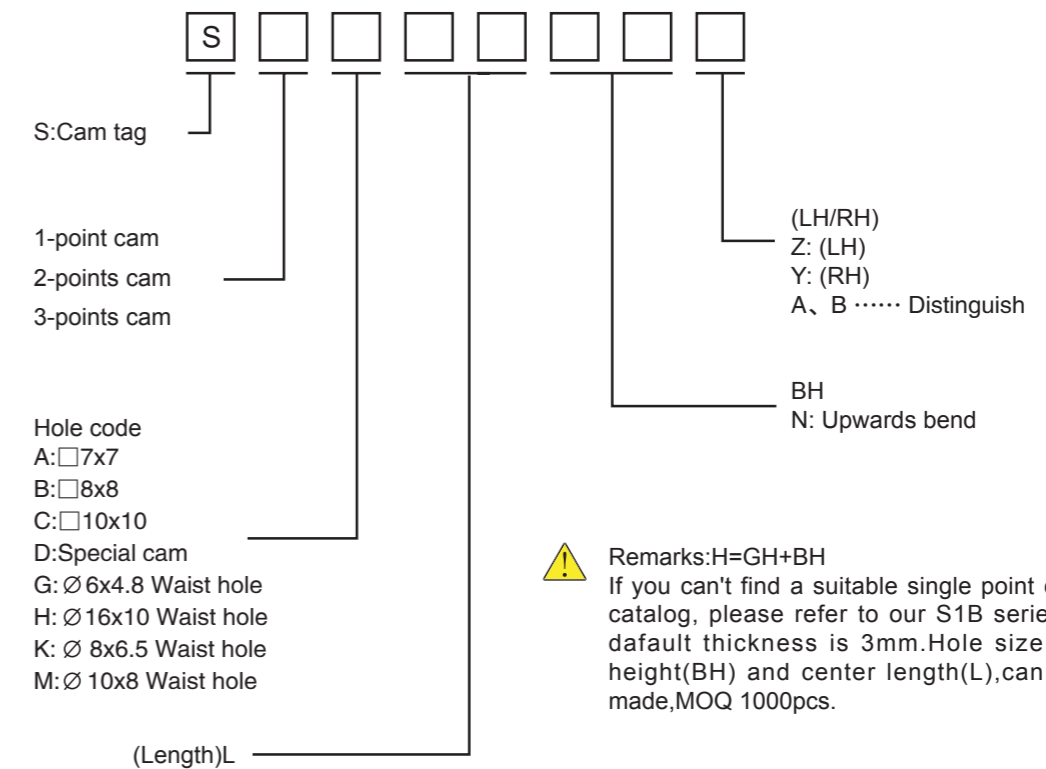
Cam code	BH	L	ERP
S1B2402X	2	24	S1B24Y02001

S1B6800X



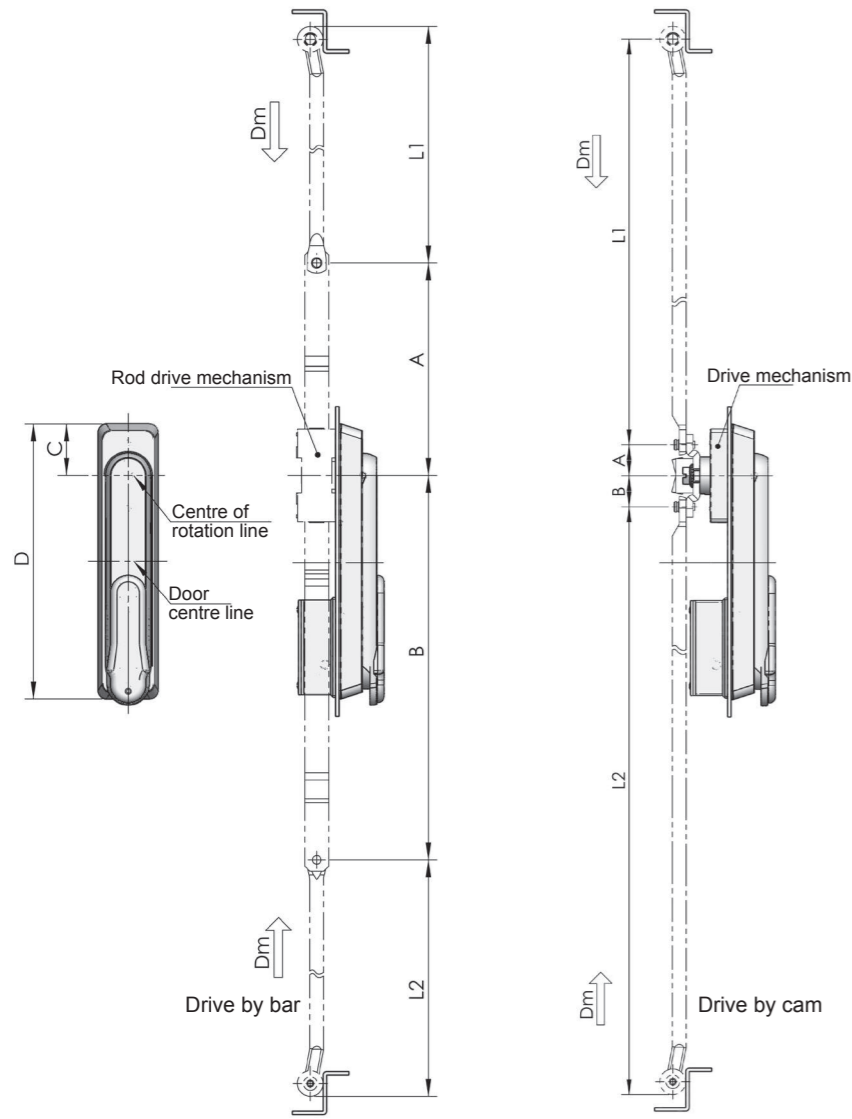
Cam code	L	ERP
S1B6800X	68	28768000001

Cam code specification

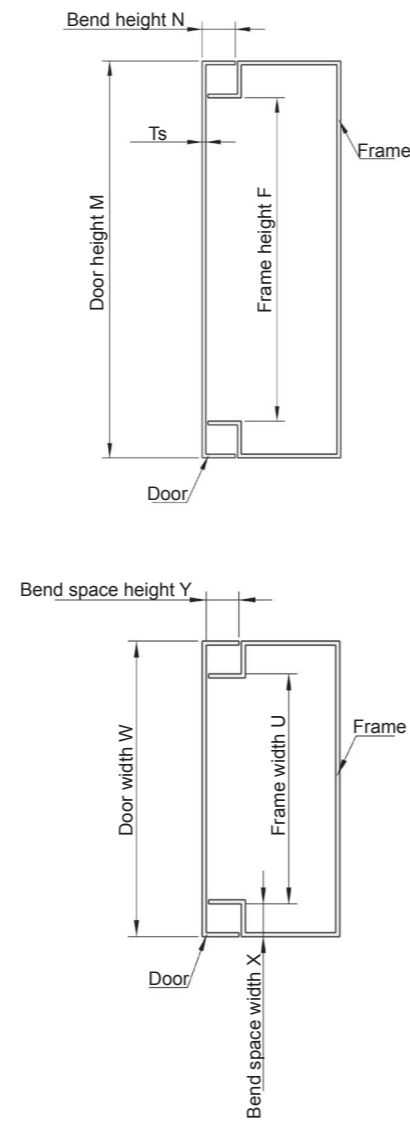


⚠ Remarks: H=GH+BH
If you can't find a suitable single point cam in our catalog, please refer to our S1B series cam, the default thickness is 3mm. Hole size (), bend height (BH) and center length (L), can be tailor-made, MOQ 1000pcs.

Example of rod-latch application



Cabinet structural sketch



LG001-1

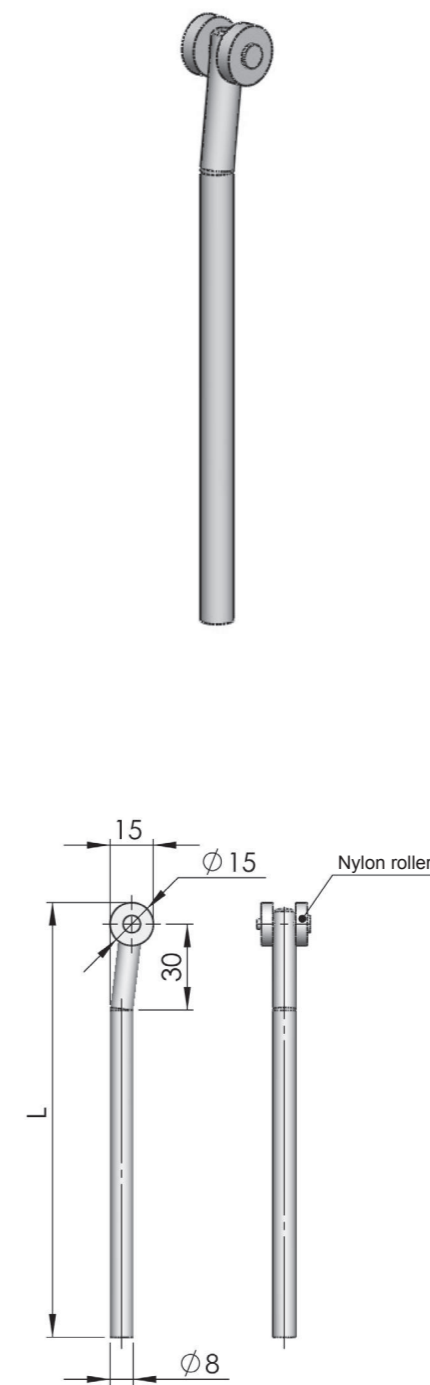


Zinc-plated steel, cone-round rod

ERP LG001F3D000003

Please specify the rod length "L" purchase

LG001-2

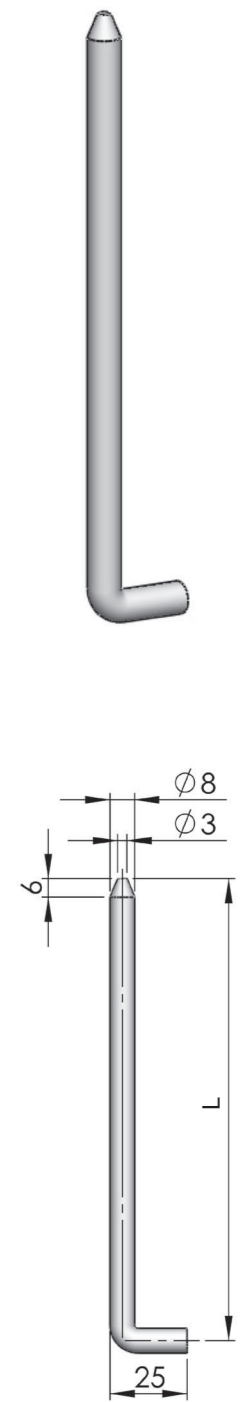


Zinc-plated steel, match with PA roller round rod

ERP LG001F3D000004

Please specify the rod length "L" purchase

LG001-3



Zinc-plated steel, bend, round rod

ERP LG001F3D000005

Please specify the rod length "L" purchase

Calculate the length of the rod

Calculation method of coincident length of door center and center line of rotation part

$$L1 = F/2 - A + (Dm - 2)$$

$$L2 = F/2 - B + (Dm - 2)$$

Calculation method of coincident length of door center and center line of lock

$$L1 = F/2 - [A + (D/2 - C)] + (Dm - 2)$$

$$L2 = F/2 - [B - (D/2 - C)] + (Dm - 2)$$

Remark: the effective length of connecting piece should be deducted if a connecting piece is needed for fitting. This calculation method is applicable for those rods with seals fitted inside. Be aware of the actual installation conditions when using the above methods.

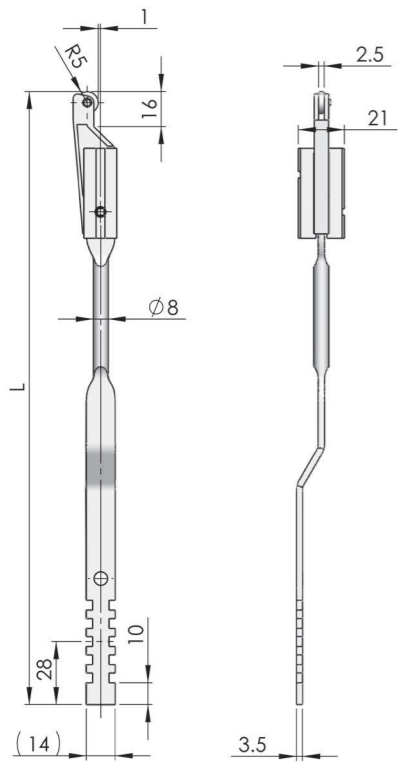
Dm: the code of driving distance

F: door frame height

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LG002-1

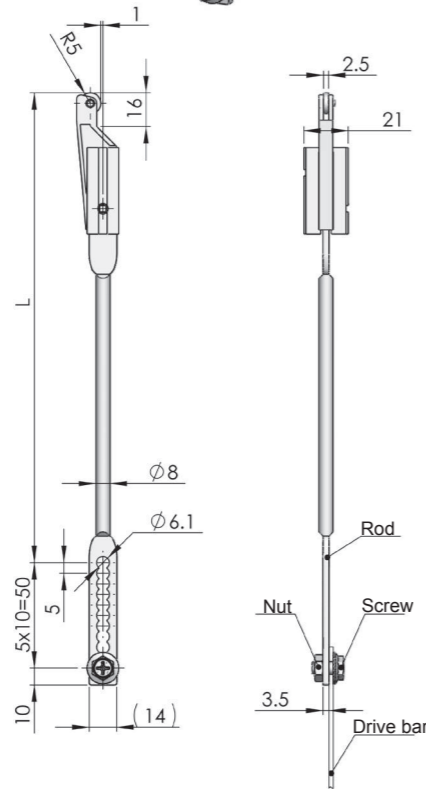


Zinc-plated, flat teeth rod, PA roller. ZDC joint, outside the gasket.

ERP LG002F3D000001

Please specify the rod length "L" purchase

LG002-2



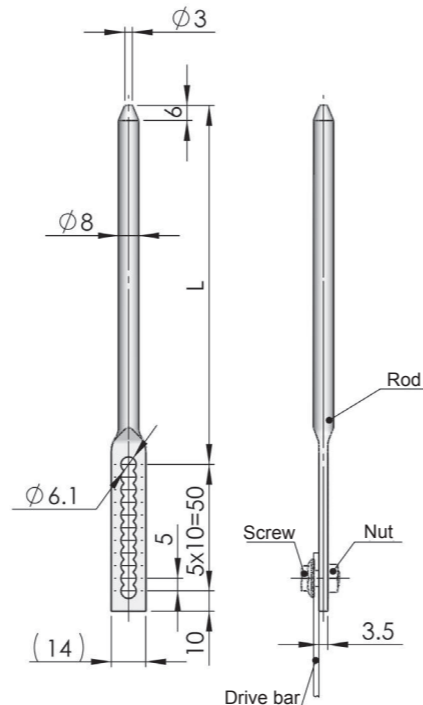
Remarks:fix flat bar with screw, rod length is adjustable, 5mm is adjusted by changing one set hole

Zinc-plated steel, adjustable round rod,PA roller, ZDC joint, outside the gasket.

ERP LG002F3D000002

Please specify the rod length "L" purchase

LG003



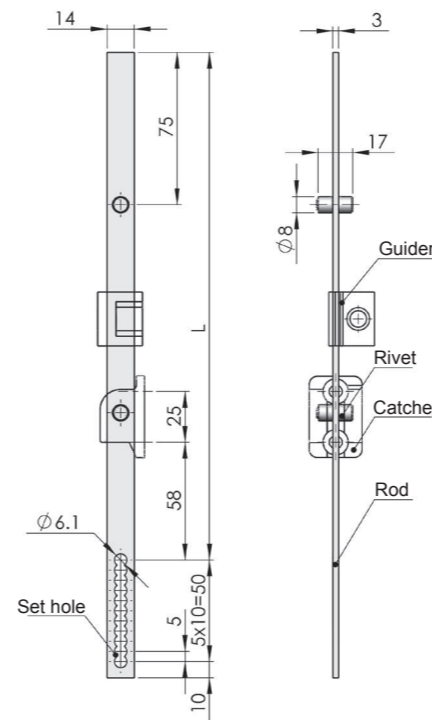
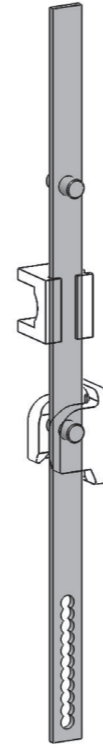
Remarks:fix flat bar with screw, rod length is adjustable, 5mm is adjusted by changing one set hole

Zinc-plated steel, adjustable round rod

ERP LG003F3D000001

Please specify the rod length "L" purchase

LG004

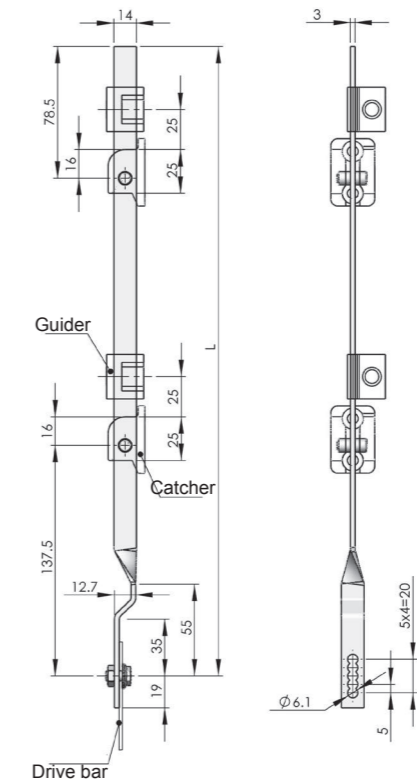
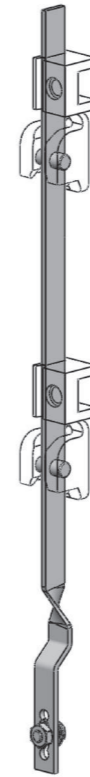


Zinc-plated steel, adjustable flat rod, outside the gasket.

ERP LG004F3D000001

Please specify the rod length "L" purchase

LG005



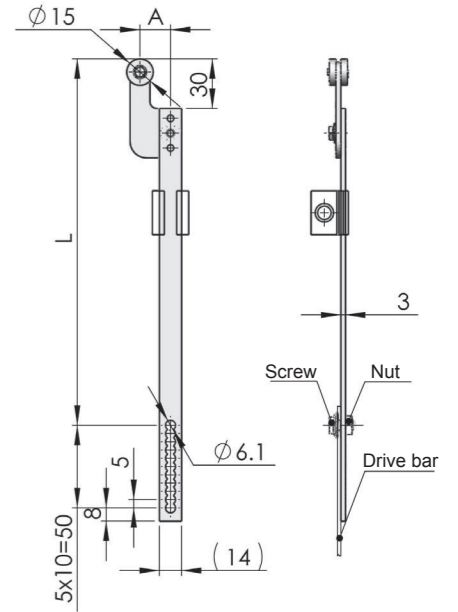
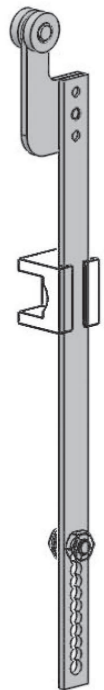
Remarks:fix flat bar with screw, rod length is adjustable, 5mm is adjusted by changing one set hole

Zinc-plated steel, adjustable flat rod, outside the gasket, it is fit for lock MS838.

ERP LG005F3D000001

Please specify the rod length "L" purchase

LG006



Zinc-plated steel, adjustable flat rod

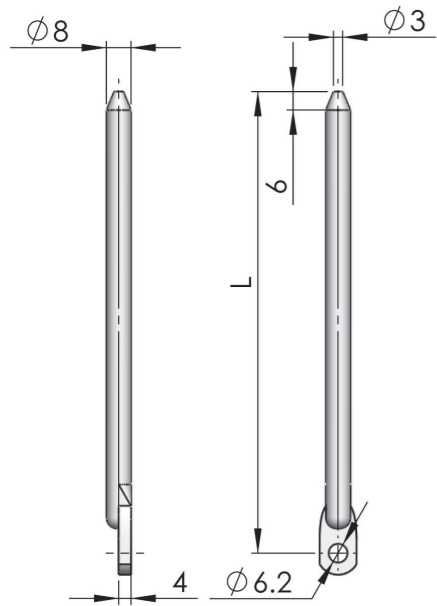
ERP	A
LG006F3D000001	18.5
LG006F3D000002	22.5
LG006F3D000003	27.5
LG006F3D000004	35

Please specify the rod length "L" purchase

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LG007-A

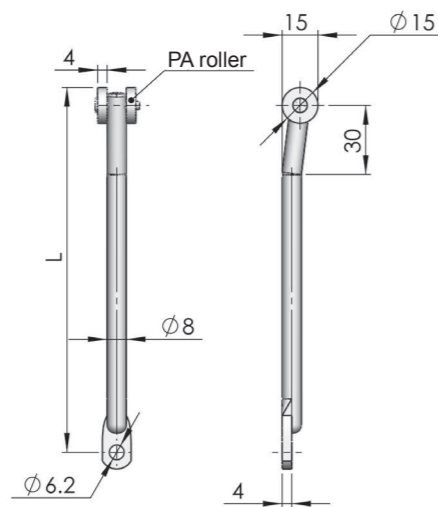


Zinc-plated steel, cone-round head with hole rod

ERP LG007F3D000001

Please specify the rod length "L" purchase

LG007-B

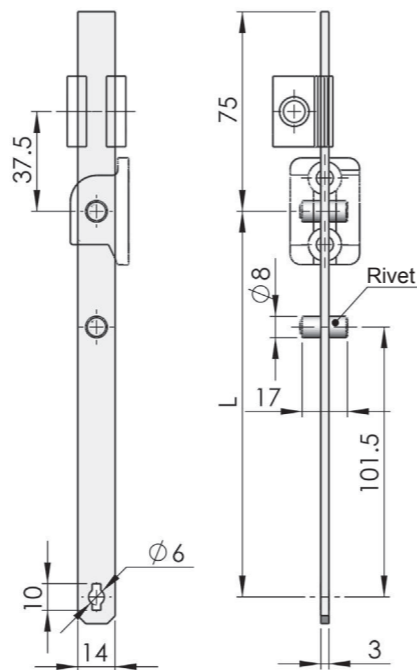
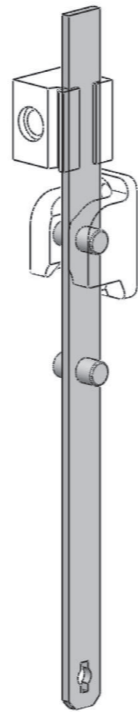


Zinc-plated steel, cone-round head with hole rod; with white PA roller

ERP LG007F3D000002

Please specify the rod length "L" purchase

LG010

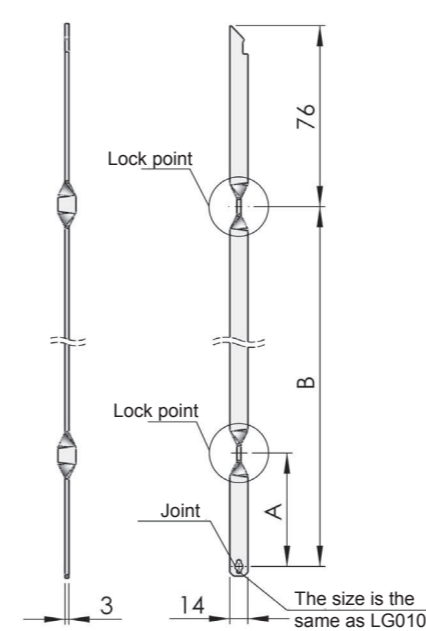
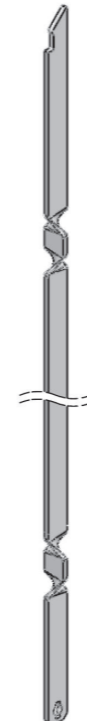


Zinc-plated steel, flat rod, refer to accessory chart on request of accessories

ERP LG010F3D000001

Please specify the rod length "L" purchase

LG011

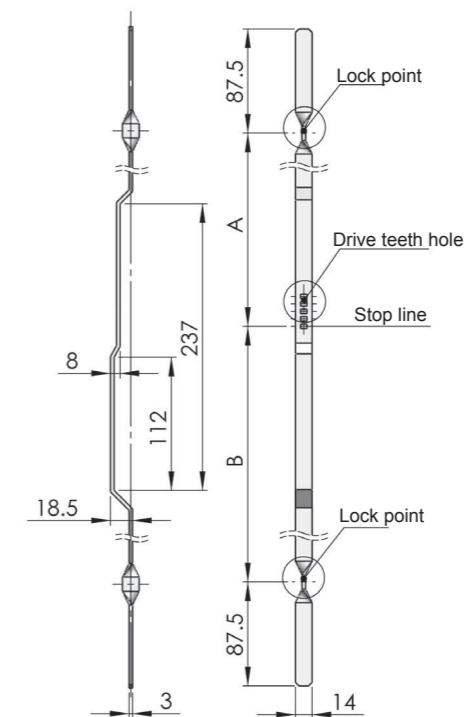
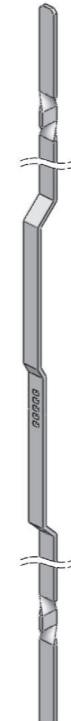


Zinc-plated steel, flat rod, match with RG003-2

ERP LG011F3D000001

Please specify the rod length "L" purchase

LG012

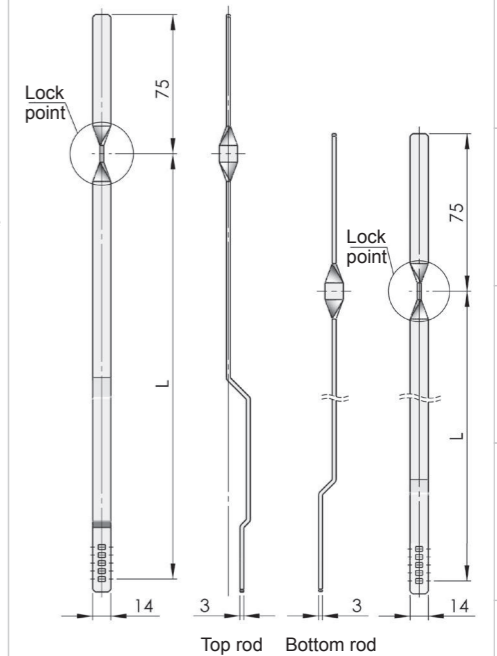
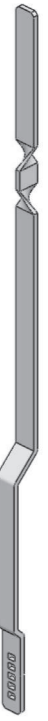


Zinc-plated steel, flat rod, match with RG003-2, used in MS856

ERP LG012F3D000001

Please specify the rod length "L" purchase

LG013-A



Zinc-plated steel, flat rod, match with RG003-2, used in MS856

ERP	Specification
LG013F3D000001	Top rod
LG013F3D000002	Bottom rod

Please specify the rod length "L" purchase

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

RG001-1

Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110000001	Black PA

RG001-2

Black PA guide, fix with M6*16~20 weld screw, connect strap can be removed

ERP	Material
1110000002	Black PA

RG001-3

Black PA guide, zinc-plated nut, fix with M6*16~20 weld screw

ERP	Material
1110000003	Black PA

RG001-9

Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110000008	Black PA

RG010

PC guide

ERP	Material
1110010009	PC(White)

RG001-4

Black PA guide, fix with M6*12 weld screw

ERP	Material
1110000004	Black PA

RG001-5

Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110010001	Black PA

RG001-8

Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110000006	Black PA

RG001-11

Guide, fix with 3*14 flat rod

ERP	Material
	PA+30%GF(黑色)

RG002

Black PA guide, nut inside

ERP	A	B	Welding screw specification
1110020001	32	24	M6x16
1110020002	38	30	M6x20
1110020003	42	34	M6x20

RG002-A

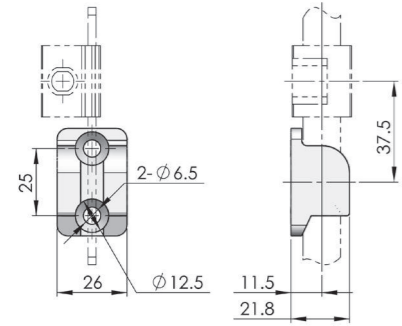
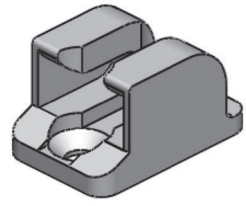
Black PA guide, nut inside, match with flat rod and round rod

ERP	A	B	Welding screw specification
1110021102	32	24	M6x16
1110021103	38	30	M6x20

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

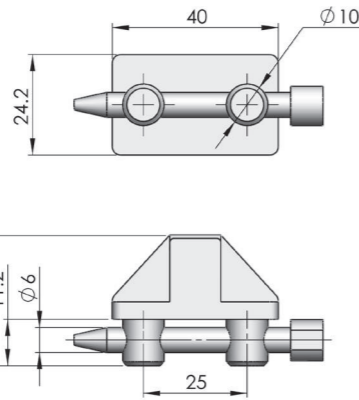
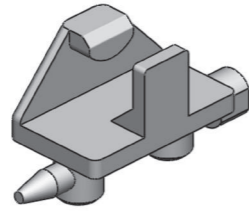
RG003-1



Black ZDC catcher, match with the rod white rivet

ERP	Material
1110030001	ZDC

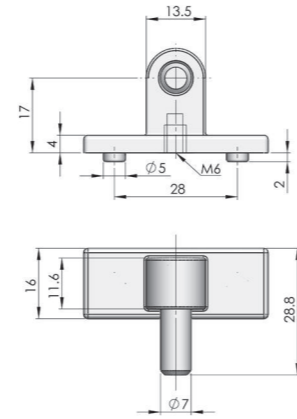
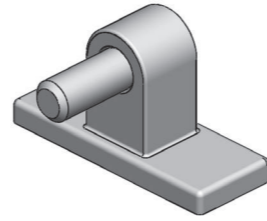
RG003-2



Black ZDC clip catcher, PA pin, fit with 2MM door

ERP	Material
1110030002	ZDC

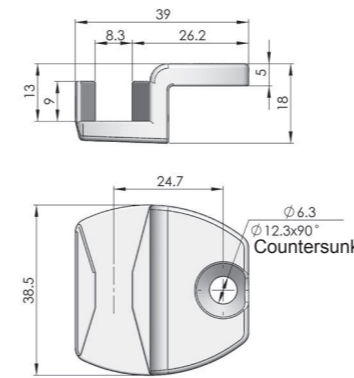
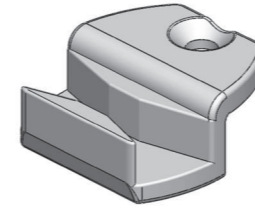
RG003-3



Zinc plated ZDC catcher, Zinc plated steel pin, fixed with M6 screw.

ERP	Material
1110030003	ZDC

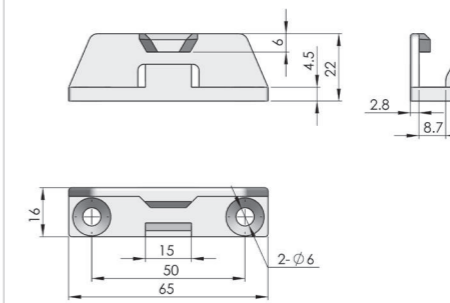
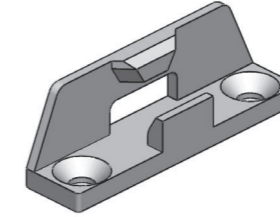
RG003-7



Zinc plated ZDC catcher, fixed with M6 countersunk head screw.

ERP	Material
1110030007	ZDC

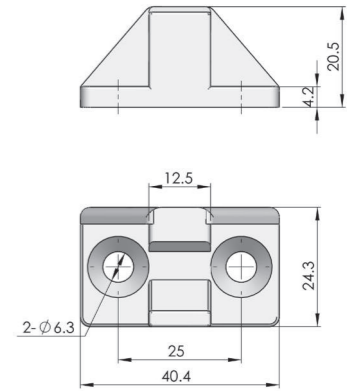
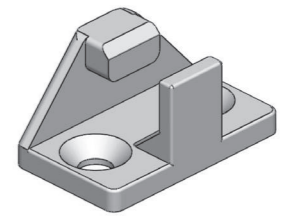
RG003-8



Zinc plated ZDC cassette catcher, fixed with M6 countersunk head screw.

ERP	Material
1110030008	ZDC

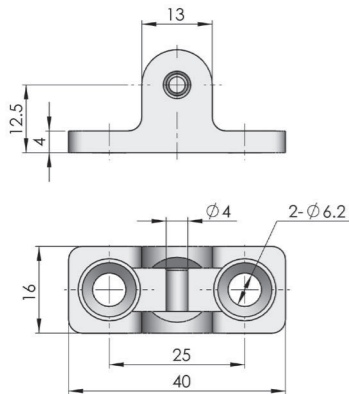
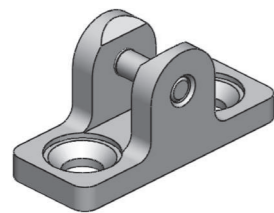
RG003-9



Zinc plated ZDC Cassette fixed buckle, fixed with M6 countersunk head screw.

ERP	Material
1110030009	ZDC

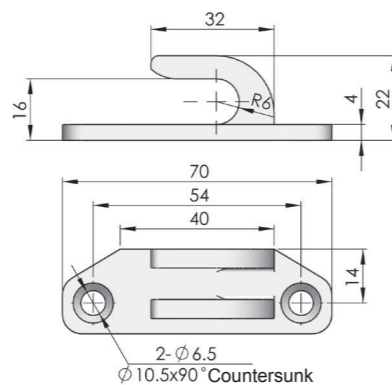
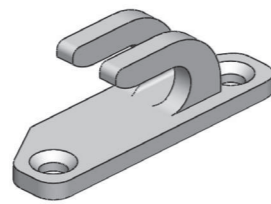
RG003-4



Zinc plated ZDC catcher, stainless steel pin, fixed with M6 screw.

ERP	Material
1110030004	ZDC

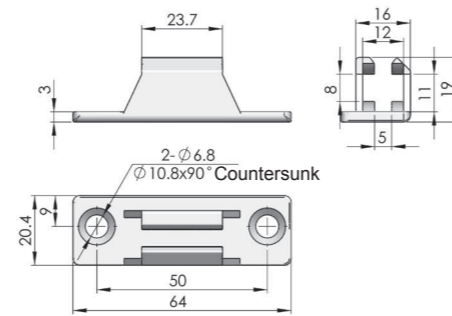
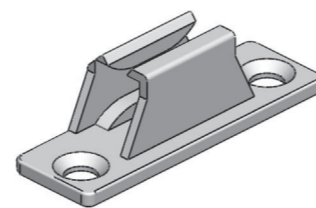
RG003-5



Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with the rod with roller.

ERP	Material
1110030005	ZDC

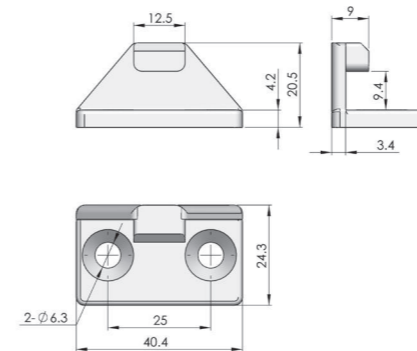
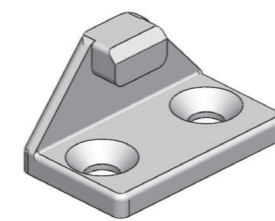
RG003-6



Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with locking pin flat rod.

ERP	Material
1110030006	ZDC

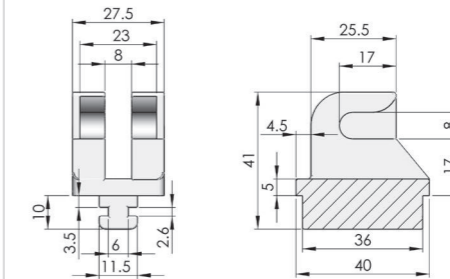
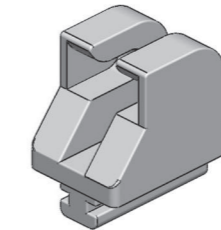
RG003-10



Zinc plated ZDC Cassette fixed buckle, fixed with M6 countersunk head screw.

ERP	Material
1110030010	ZDC

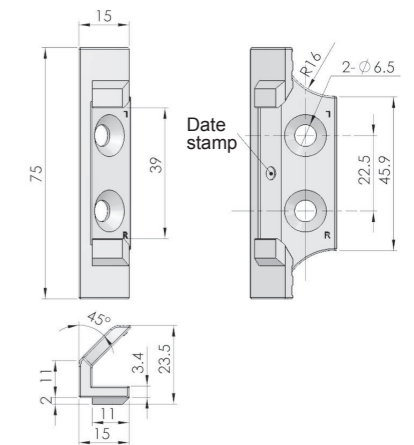
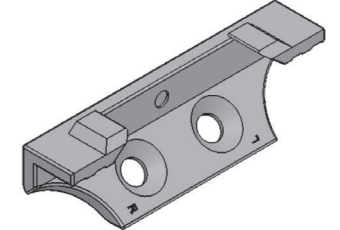
RG003-11



Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with locking pin flat rod.

ERP	Material
1110030012	ZDC

RG003-14



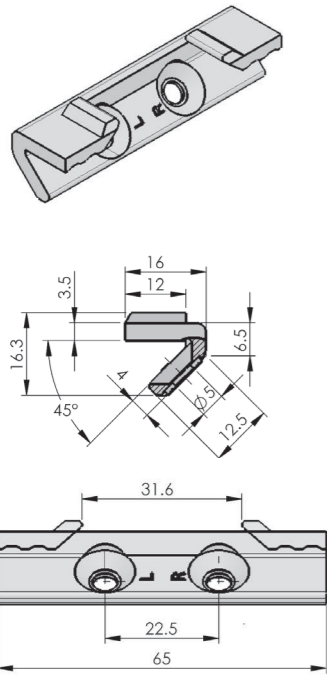
Cam catcher; L and R available

ERP	Material
	ZDC

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

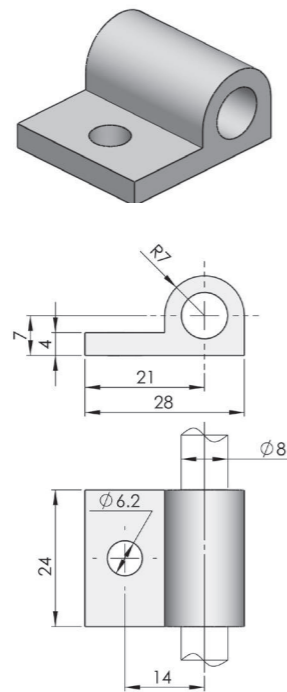
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

RG003-15



ERP	Material
2240030001	ZDC

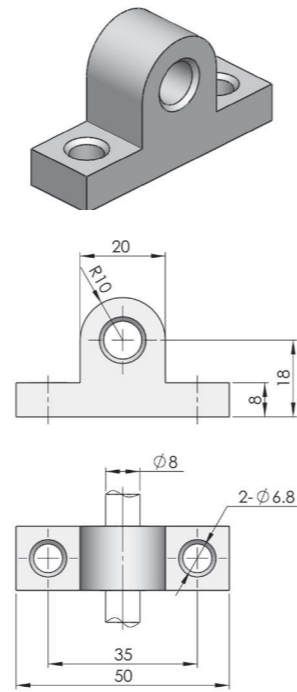
RG004-1



PA guider

ERP	Material
1110040001	Black PA

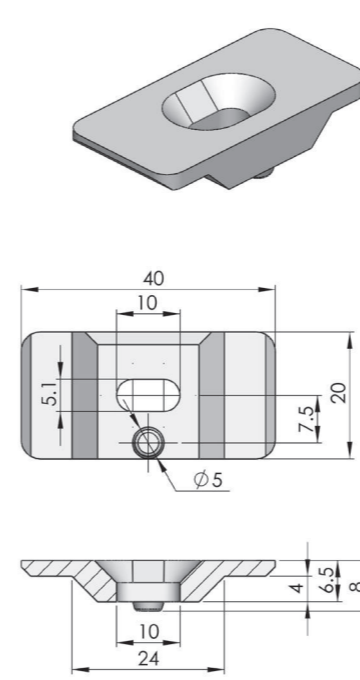
RG004-2



PA guider

ERP	Material
1110040002	White ABS

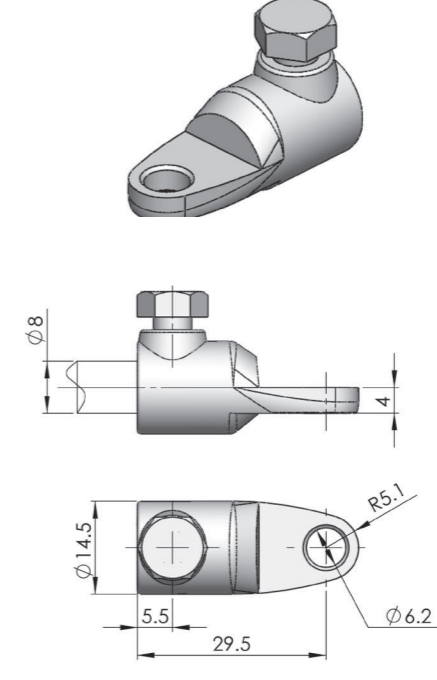
RG005-3



Cam catcher,match with S1A1403.

ERP	Material
1110050003	ZDC

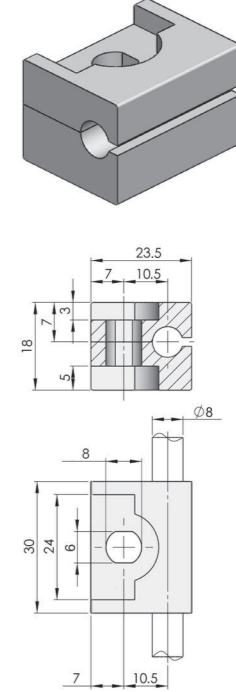
RG006-1



Zinc plated ZDC,connect accessories,Zinc plated steel,M6 set screw.

ERP	Material
1110061001	ZDC

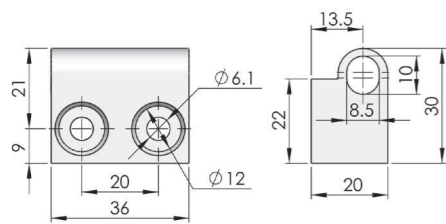
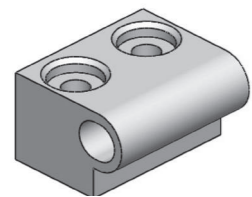
RG006-2



PA guider

ERP	Material
1110060002	Black PA

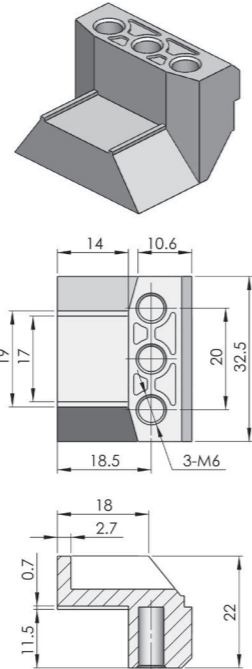
RG004-3



Black ABS guider

ERP	Material
1110040003	Black ABS

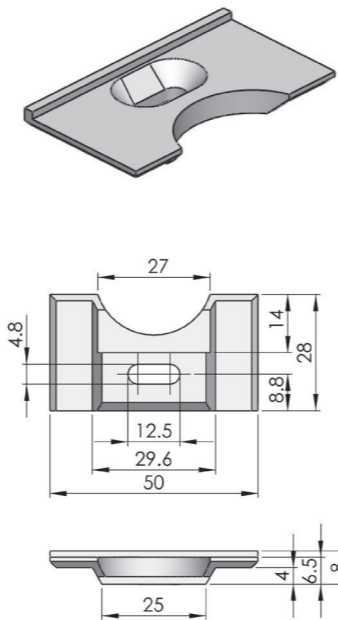
RG005-1



ZDC fix catcher,match with LG002-1/2.

ERP	Material
1110050001	ZDC

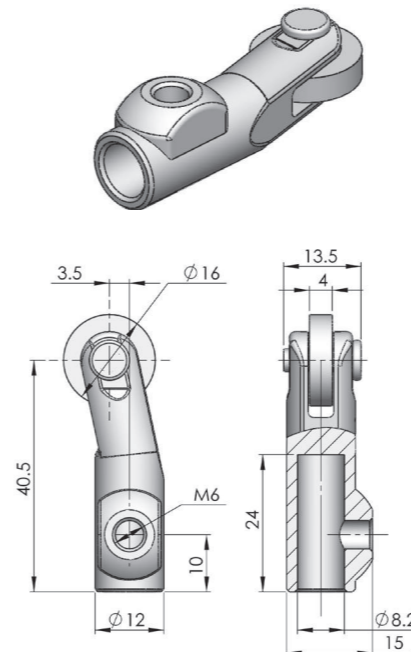
RG005-2



Cam fix fastener,match with S1A1403.

ERP	Material
1110050002	ZDC

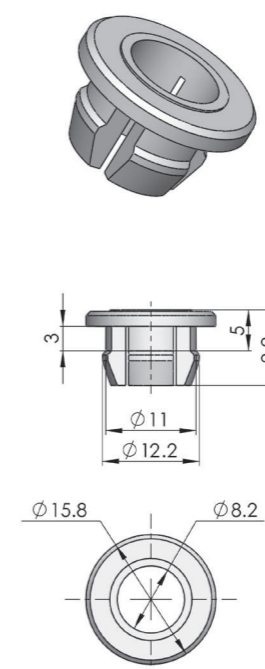
RG007



ZDC connect cover, nylon rolle, match with LG001-1 and LG003.

ERP	Material
1110070001	ZDC/PA

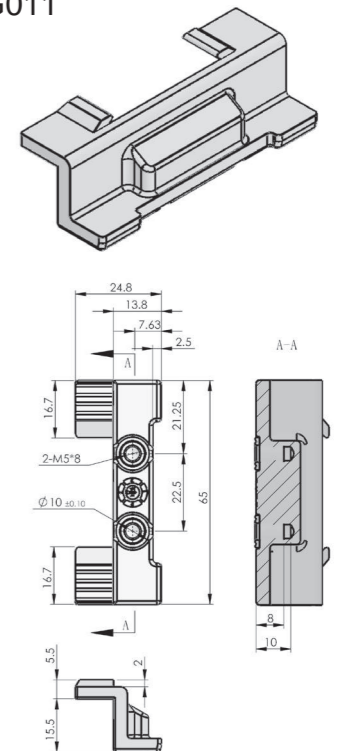
RG008



Nylon guide,match with Ø8 mm round rod.

ERP	Material
1110080001	Black PA

RG011



ZDC Guide

ERP	Material
2130110001	ZDC

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

RG015

PA guide, match with 3X14 flat rod.

ERP	Material
1110150001	Black PA

RG015-2

PA guide, match with 3X14 flat rod.

ERP	Material
1110150002	Black PA

Accessories for rods

Rod guide code	Rod code
RG001-1	LG004, LG005, LG006, LG010
RG001-2	LG004, LG005, LG006, LG010
RG001-3	LG004, LG005, LG006, LG010
RG002	LG001-1, LG001-2, LG001-3, LG003, LG007-A
RG002-A	LG001-1, LG001-2, LG001-3, LG003, LG007-A, LG007-B
RG004-1	LG001-1, LG001-2, LG001-3, LG003, LG007-A
RG004-2	LG001-1, LG001-2, LG001-3, LG003, LG007-A
RG004-3	LG001-1, LG001-2, LG001-3, LG003, LG007-A
RG006-2	LG002-1, LG002-2
RG006-2A	LG001-1, LG001-2, LG001-3, LG003, LG007-A, LG007-B

Rod guide code	Rod code
RG003-1	LG004, LG005, LG010
RG003-2	
RG003-3	
RG005-1	LG002-1, LG002-2
RG005-2	LG002-1, LG002-2
RG006-1	LG001-1, LG001-2

WP001

Black PA water-proof cap

ERP	Material
1150010001	Black PA

WP002

Black PA water-proof cap

ERP	Material
1150020001	Black PA

WP003

Black PA water-proof cap

ERP	Material
1150030001	Black PA

WP004

Black PA water-proof cap

ERP	Material
1150040001	Black PA

WP007

Black PE water proof with handle pull

ERP	Material
1150070001	BlackPE

DP001

Chrome plated zdc water-tight cap, sus bracket

ERP	Material
1150010002	Zinc plated ZDC/SUS

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

HP001

Black PA handle pull

ERP	Material
1150010003	Black PA

HP002

Black rubber handle pull

ERP	Material
1150020002	RB

HP003

Black PP handle pull

ERP	Material
1150030002	Black PP

Locking screw

Washer screw size	H
SW4 x 8	8

Washer screw size	H
SW6 x 8	8
SW6 x 10	10
SW6 x 27	27
SW6 x 55	55

Washer screw size	H
SW6 x 5	5
SW6 x 8	8
SW6 x 10	10
SW6 x 12	12

Washer screw size	H
SW8 x 12	12

A3001

Cannula

ERP	Material
1153001001	SUS
1153001002	Pocked black powder Q235

A3002

Zinc plated steel seating, applicable for locks similar to MS705

ERP	Material
1110040001	Zinc plated Q235

Locking screw

Washer screw size	H
SW4 x 8	8

Washer screw size	H
SW6 x 5	5
SW6 x 8	8
SW6 x 10	10
SW6 x 12	12

Washer screw size	H
SW6 x 8	8
SW6 x 10	10
SW6 x 27	27
SW6 x 55	55

Washer screw size	H
SW8 x 12	12

Insert series

TC01

Chrome plated ZDC insert default Key K140, Automatic reset lock tongue.

TC01-2

Chrome plated ZDC insert default Key K140, Automatic reset lock tongue.

TC03-1

Brass Anti-thief insert on request of safety and special circumstance.

TC03-5

Brass Anti-thief insert on request of safety and special circumstance.

TC04-1

Chrome plated insert, default K140, automatic reset.

TC04-2

Chrome plated insert, with button, automatic reset.

TC05-1

Chrome plated ZDC insert, with stainless steel safety cover and stainless steel screw. default key K140, automatic reset.

TC06-1

Chrome plated ZDC insert, match with padlock, default key K290, automatic reset.

TC06-2

Chrome plated ZDC insert, match with padlock, default key K290.

Model	A	B
TC06-2	17	Ø12
TC06-3	26.5	Ø14
TC06-4	12	Ø8x11

TC02-1

Chrome plated ZDC insert, auto-resilient striking plate, see P061 for insert sets.

	Specification	Code	Key Code
Insert insert	Double bit 4mm	TC02-1	K15-1/K15-1F/K15-1A
	Double bit 3mm	TC02-1A	K15-1/K15-1F/K15-1A
	Hooked	TC02-2	K15-1
	Triangular 8mm	TC02-3	K15-3/K15-3F
	Square 8mm	TC02-4	K15-4/K15-4F
	Square 8mm with slot	TC02-4A	K15-4/K15-4F
	Square 6mm	TC02-5	K15-5/K15-5F/K15-5A
	Square 7mm	TC02-6	K15-6/K15-6F
	Socket Hexagon	TC02-7	K15-7/K15-7F
	Slot	TC02-8	
	Hexagon	TC02-9	K15-9/K15-9F
	Thron	TC02-10	K15-10
Oblate-type	TC02-11	K15-11	
Triangular 7mm	TC02-12	K15-3/K15-3F	

TC08

Insert list on P061

	Specification	Code	Key Code
Insert insert	Key-type insert	TC08-A1	K14/K19
	Double bit 4mm	TC08-B1	K15-1/K15-1F/K15-1A
	Double bit 3mm	TC08-B1A	K15-1/K15-1F/K15-1A
	Hooked	TC08-B2	K15-1
	Triangular 8mm	TC08-B3	K15-3/K15-3F
	Square 8mm	TC08-B4	K15-4/K15-4F
	Square 8mm with slot	TC08-B4A	K15-4/K15-4F
	Square 6mm	TC08-B5	K15-5/K15-5F/K15-5A
	Square 7mm	TC08-B6	K15-6/K15-6F
	Socket Hexagon	TC08-B7	K15-7/K15-7F
	Slot	TC08-B8	
	Hexagon	TC08-B9	K15-9/K15-9F
Thron	TC08-B10	K15-10	
Oblate-type	TC08-B11	K15-11	
Triangular 7mm	TC08-B12	K15-3/K15-3F	

Key series

K083

K110

K130

K140(Stainless iron)

K140(Plastic grip)

K160

K280

K570

K580

K590

K600

K722

K723

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Seal gasket

Key different list

Key code	Applicable products model	Key different ifferentantity	Remark
K72-2	MS829	10 Sets	Rod control lock
	MS819, MS828, MS831	200 Sets	
	MS712, MS712-Q, MS713, MS727	200 Sets	Panel lock
K72-3	TC01, TC04, TC05, TC05-2	500 Sets	Cylinder
	MS301, MS304, MS305, MS306, MS307, MS310, MS317		Handle lock
	MS762, MS705-3E		Insert lock
	MS737		Panel lock
	MS820-4,MS830, MS830-8, MS832, MS833,MS835		Rod control lock

ELECTRONIC LOCK SERIES

Active electronic lock series



Passive electronic lock series(New product)



These locks above can be chosen to use electronic lock cylinder, the installation hole size refer to the mechanical lock, please consult the technical department before ordering.

Cylinder lock

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

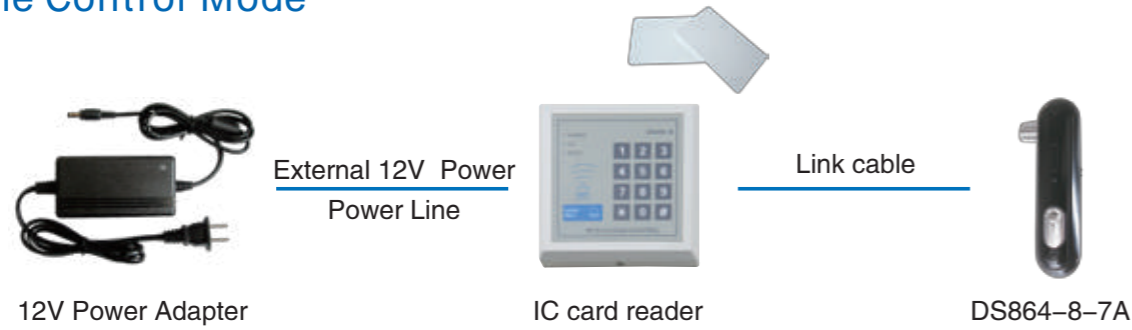
Door stop

Hinge

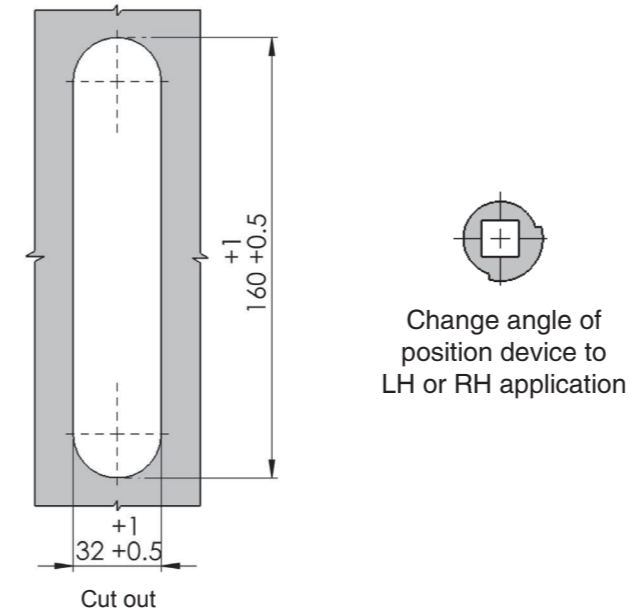
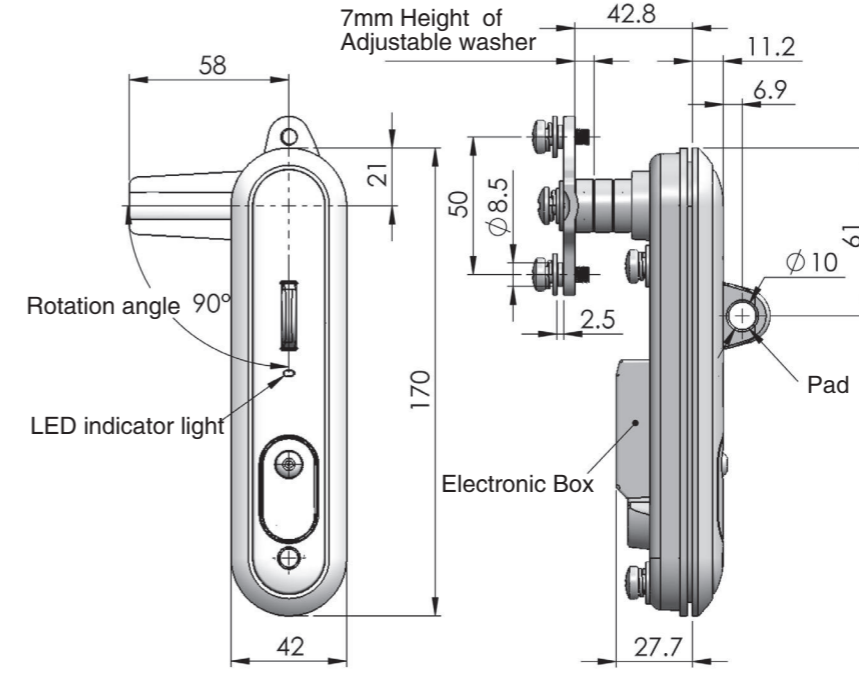
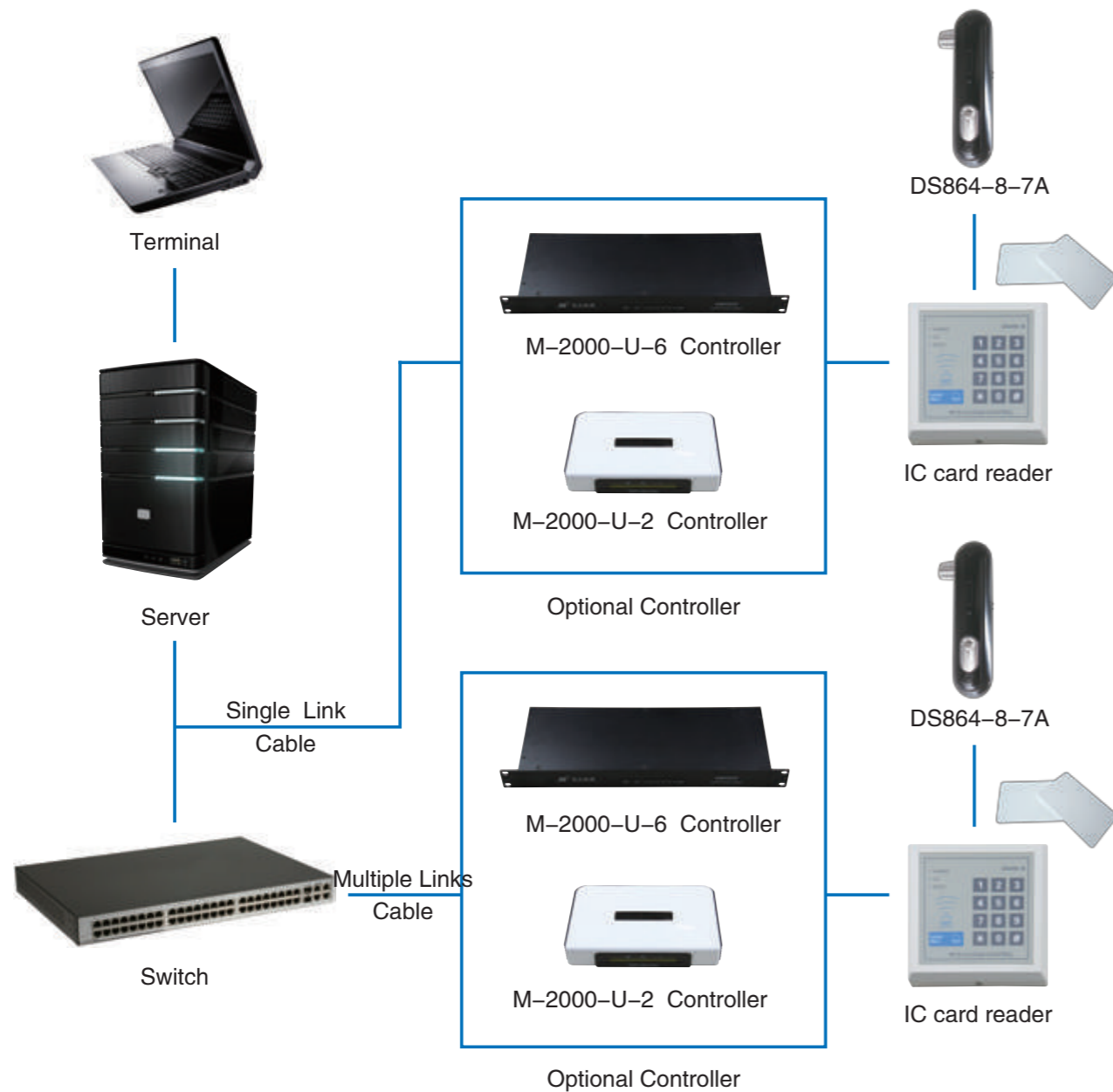
Seal gasket

DS864-8-7A Control System Principle

Single Control Mode



Network Control Mode



ERP	Specification
DS864Z2E723004	Mechanical insert, switch control, without padlock
DS864Z2E723005	Mechanical insert, switch control, with padlock
DS864Z2E723006	Mechanical insert, DO control, without padlock
DS864Z2EE06001	Electronic insert, DO control, without padlock

Remark: Default cam is S3C5800

DS864-8-7A



RL IP65 RoHS

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: ≤0.3A

Consumption Power: ≤ 3.6W

Remarks : Optional mechanical insert and electronic insert

This product is used for indoor. Please read operating introduction in advance, and operate according to introduction.

Performance Parameter

Handle load tension capability: ≤ 600N

Handle load torque capability: ≤ 300N.m

Working Environment

Temperature: -40 ~ +65°C

Humidity: 5 ~ 90%

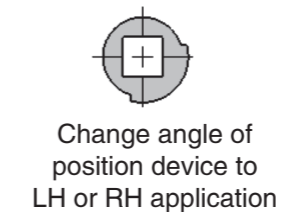
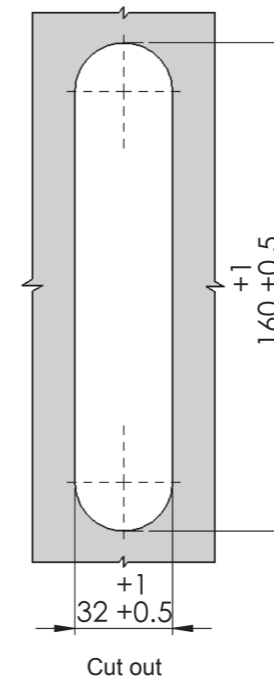
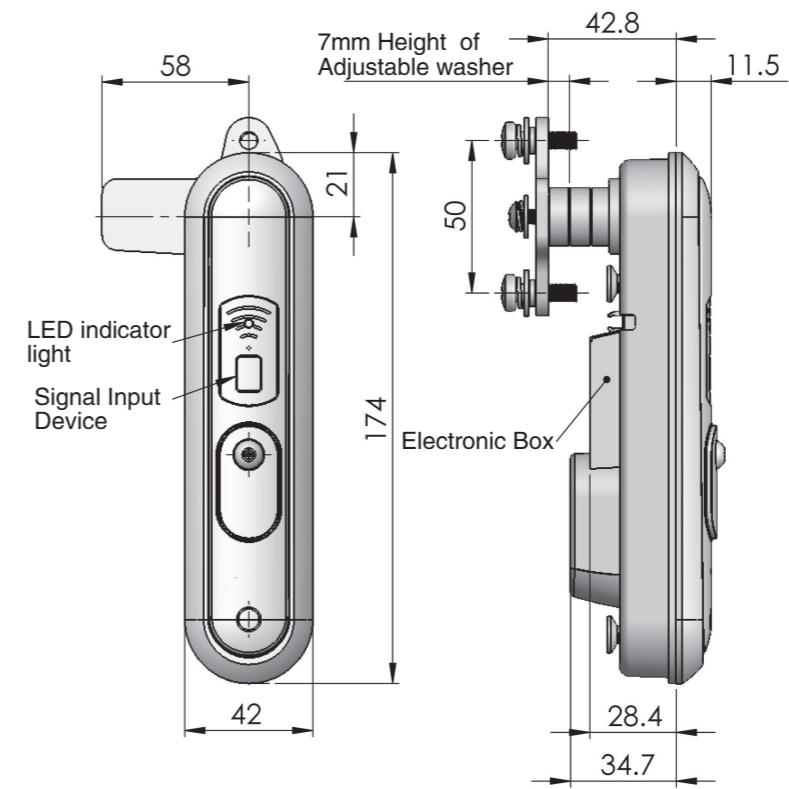
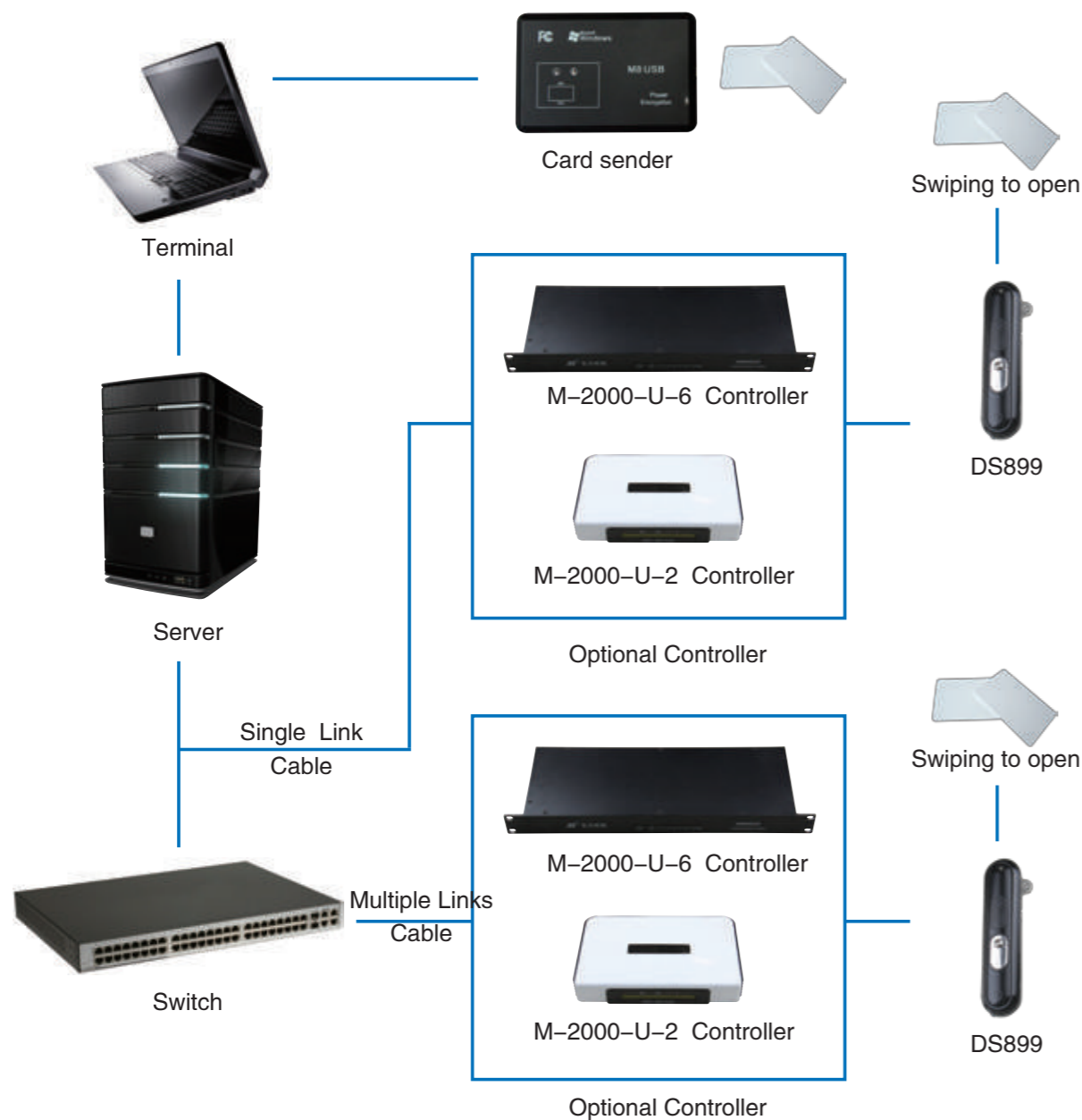
Altitude: -60m~4000m

DS899 Control System Principle

Single Control Mode



Network Control Mode



DS899



RL IP65 RoHS

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: ≤0.25A

Consumption Power: ≤ 3.6W

Remarks : Default head face pin tumbler insert.

This product is used for indoor. Please read operating introduction in advance, and operate according to introduction.

Performance Parameter

Handle load tension capability: ≤ 600N

Handle load torque capability: ≤ 300N.m

Working Environment

Temperature: -40 ~ +65°C

Humidity: 5 ~ 90%

Altitude: -60m~4000m

ERP DS899Z2EE03001

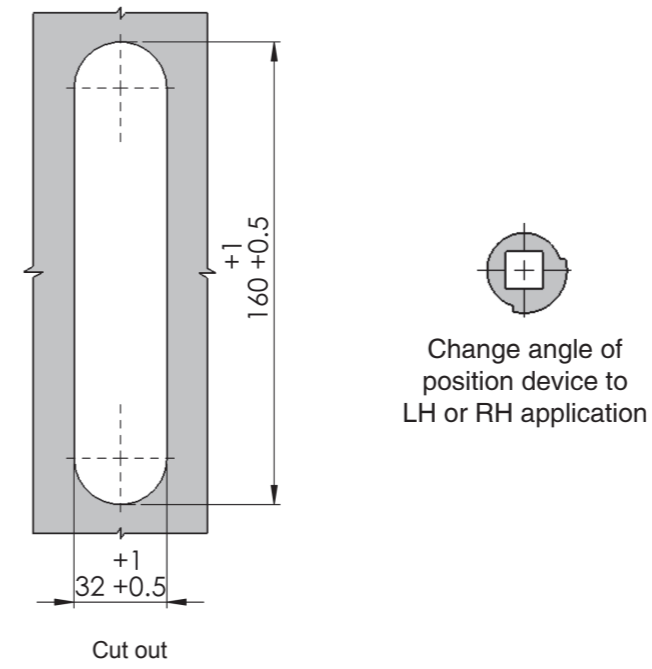
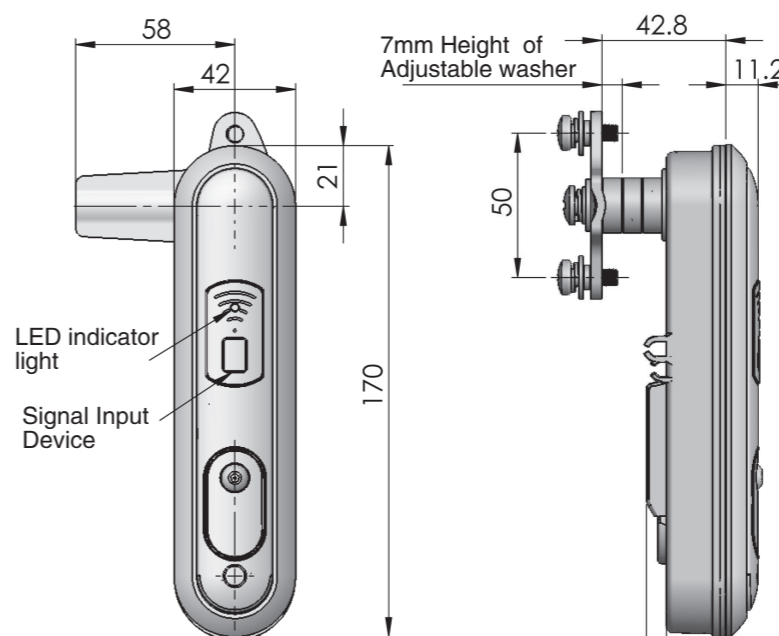
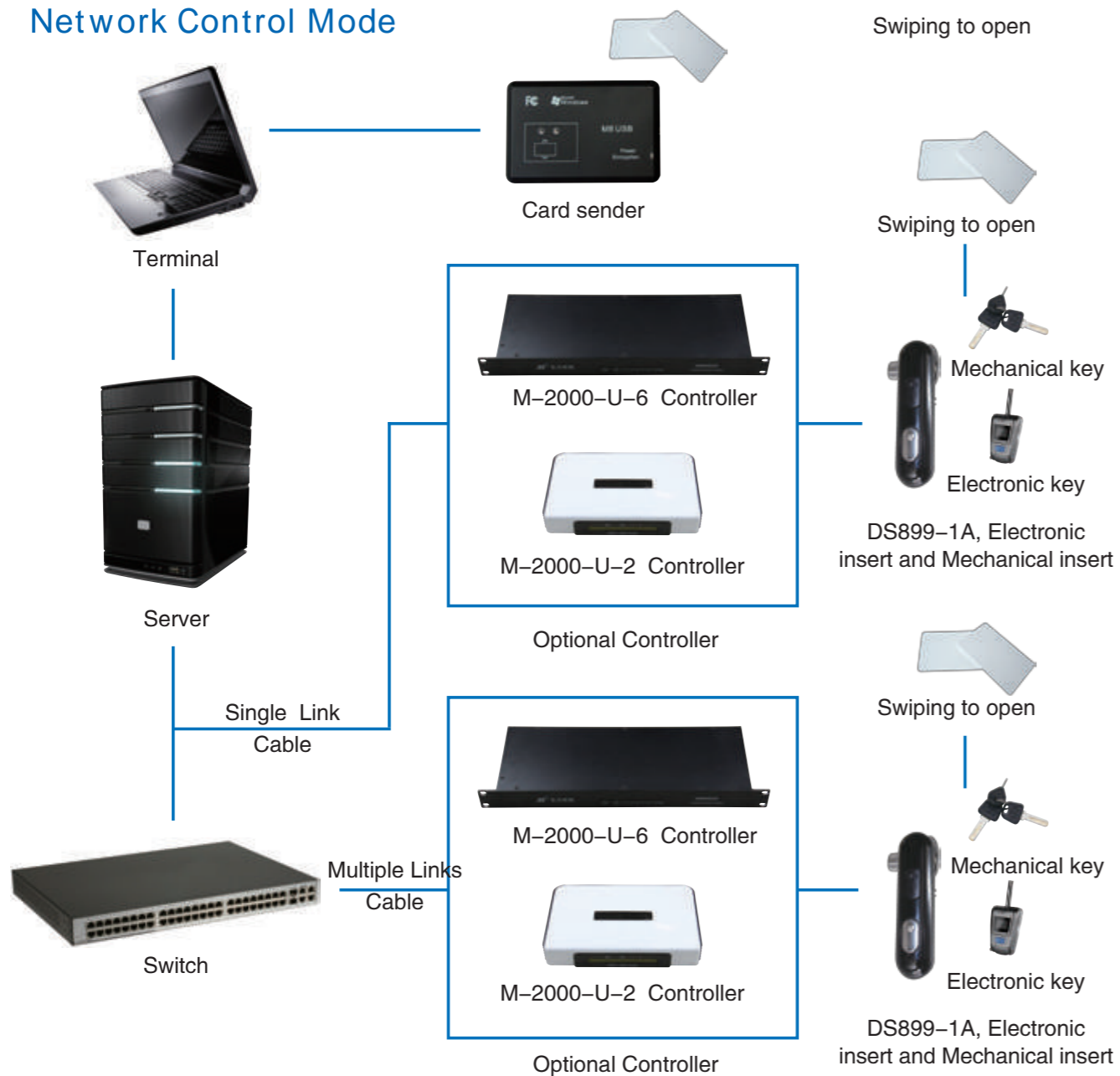
Remark: Default cam is S3C5800

DS899-1A Control System Principle

Single Control Mode



Network Control Mode



ERP	Specification
DS899Z2E723001	Swiping Card Control
DS899Z2E723002	Bluetooth Control
DS899Z2EE06001	Swiping Card Control + Electronic cylinder Control

Remark: Default cam is S3C5800



RL IP65 RoHS

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: ≤0.25A

Consumption Power: ≤ 3.6W

Remarks : Default head face pin tumbler insert.

This product is used for indoor. Please read operating introduction in advance, and operate according to introduction.

Performance Parameter

Handle load tension capability: ≤600N

Handle load torque capability: ≤300N.m

Working Environment

Temperature: -40 ~ +65°C

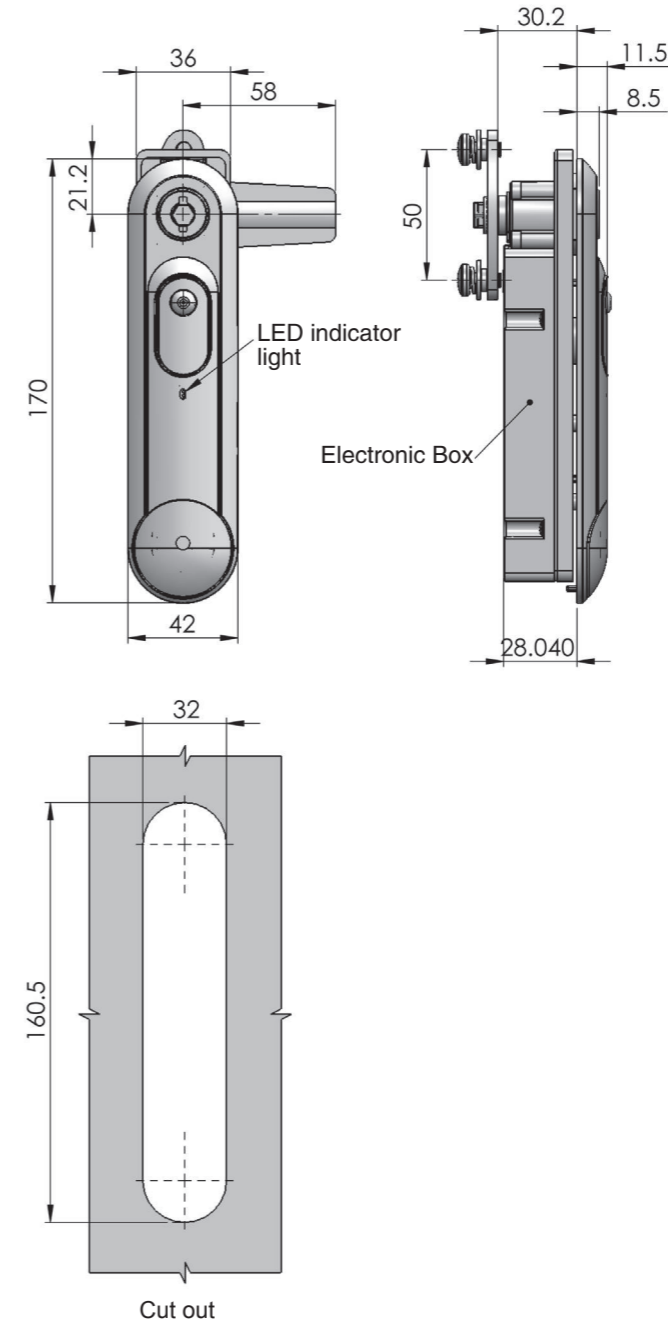
Humidity: 5 ~ 90%

Altitude: -60m~4000m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DS912、DS913 Control System Principle



ERP DS912Z2E723001



RL IP65 RoHS

Handling: High salt spray resistance
Application: Active electronic lock (idle)
Rated voltage: DC 12V
Rated current: Unlock condition $\leq 0.25A$
 Standby mode $\leq 0.05A$
Remarks: This product is suitable used for outdoor.
 Read the operating instructions carefully before usage, operation according to the instructions.

Working Environment
Temperature: $-40 \sim +65^{\circ}C$
Humidity: 5 ~ 90%
Altitude: $-60m \sim 4000m$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

HANDLE LOCK SERIES

DS913



IP65 RoHS

Handling: Zinc alloy housing, panel, plastic electronic box.

Handling: High salt spray resistance

Application : Active electronic lock

Rated voltage: DC 12V

Rated current: ≤0.25A

Consumption Power: ≤3W

Remarks : This product is suitable used for outdoor.

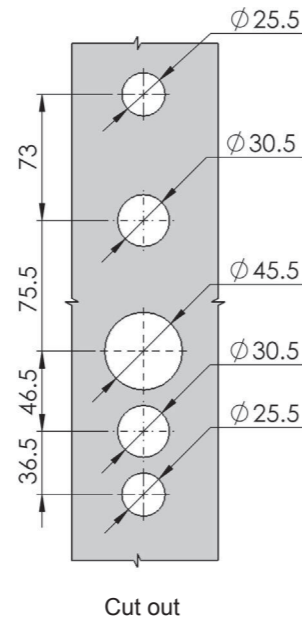
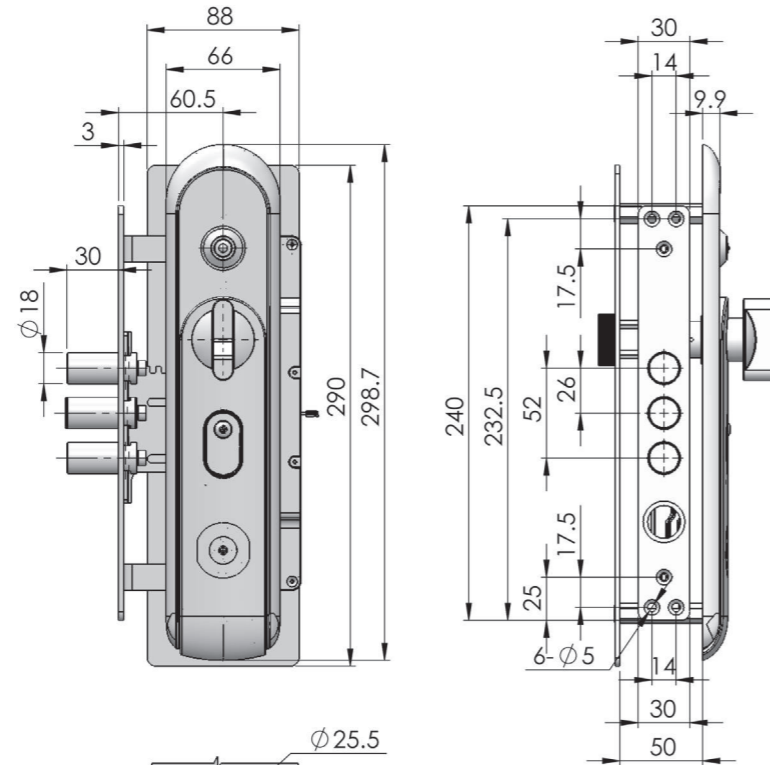
Read the operating instructions carefully before usage, operation according to the instructions.

Working Environment

Temperature: -40 ~ +65°C

Humidity: 5 ~ 90%

Altitude: -60m~4000m



ERP DS913Z2E723001

Optional functions	Optional accessories
Rotation handle	Unlock tool keys
Mechanical cylinder	Bluetooth electronic key
Electronic cylinder	10m Core cable
Insert controlled	Mobile APP Software
Built-in bluetooth	PC Management Platform
RS485 Protocol communication function	

The default basic functions: remote door opening and signal sensing (no rotating handle) matching function and accessories need to be noted in the order.

Remark: Default cam S3C5800



Cylinder lock

MS301
MS302

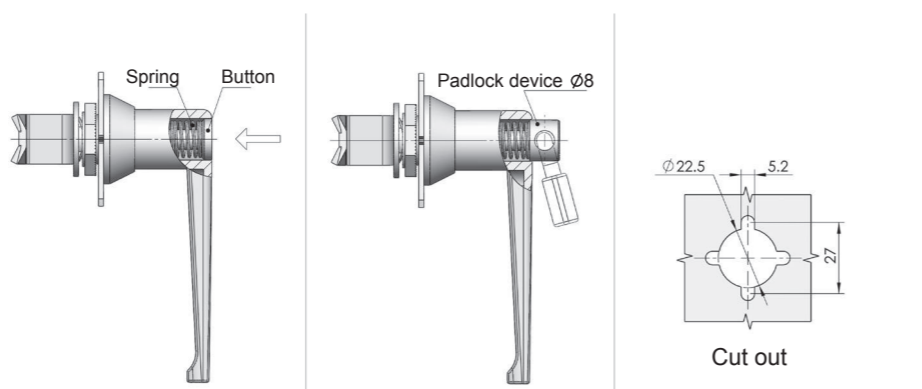
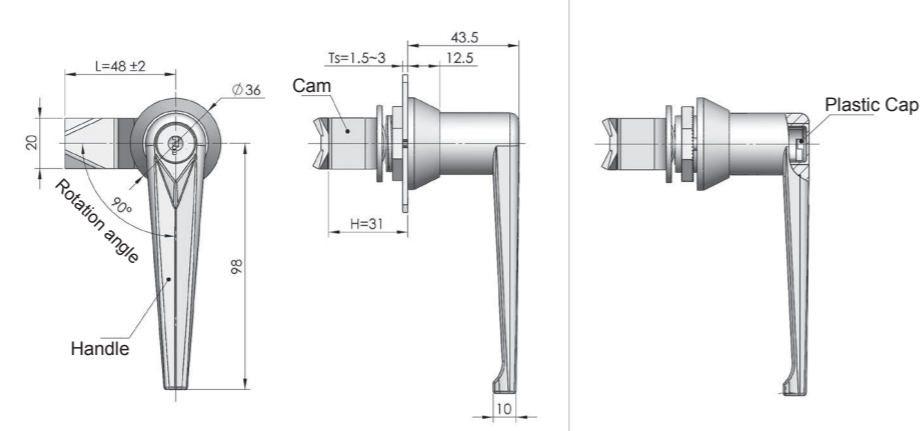


RL

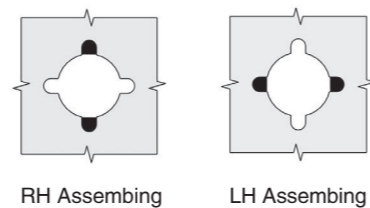
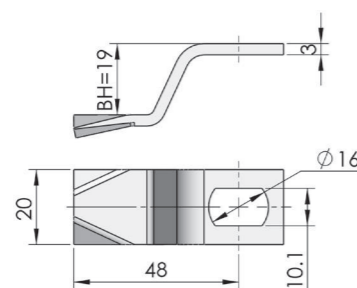
Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam, bright chrome plated button and white zinc plated shaft
Application : Quarter-turn opening or closing
Remarks : Default Key K050

Default cam : S1H48Y19002

Performance parameter:
Maximum static load:140N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



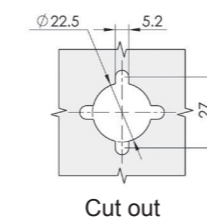
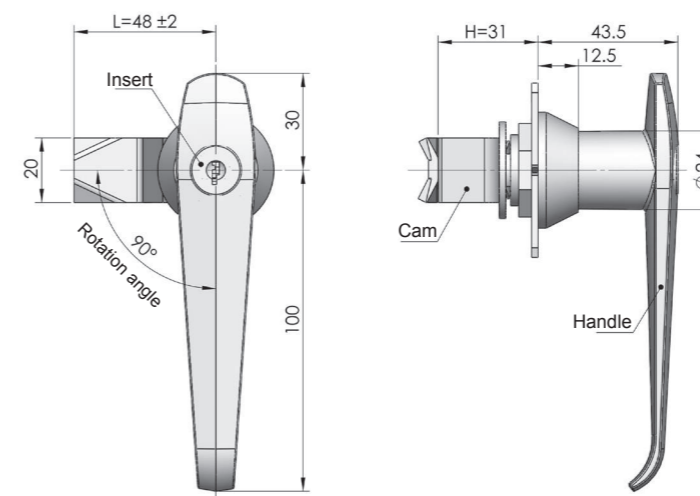
Cam S1H4819 (Optional)



Remarks: shadow parts shows mounting hole allocation between housing and door panel

Specification	Model	ERP
With insert	MS301-1	MS301Z3A050008
Without insert	MS301-2	MS301Z3A000001
With button type	MS302-1	MS302Z3A000001
With padlock type	MS302-2	MS302Z3A000008

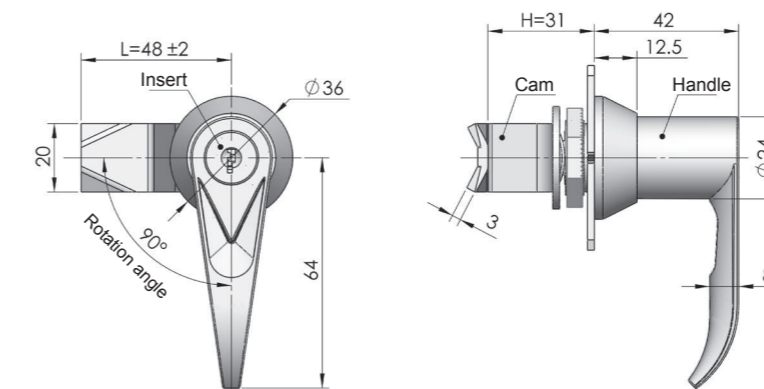
Remarks : Default Cam S1H4819



Remarks : RH, LH, and cam selection refer to MS301 on catalogue

ERP MS304Z3A050008

Remarks : Default cam S1H4819



Remarks:cut out size, RH, LH, and cam selection refer to MS301 on catalogue

Specification	Model	ERP
With insert	MS306-1	MS306Z3A050005
Without insert	MS306-2	MS306Z3A000007
With button type	MS306-3	MS306Z3A000002
With padlock type	MS306-4	MS306Z3A000006

Remarks : Default Cam S1H4819

MS304



RL

Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam
Application : Quarter -turn opening or closing
Remarks : Default Key K050

Default cam : S1H48Y19002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

MS306



RL

Material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam, bright chrome plated steel button and shaft
Application : Quarter-turn opening or closing
Remarks : Default key K050

Default cam : S1H48Y19002
Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS307



RL IP54

Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam

Remarks : Default key K050

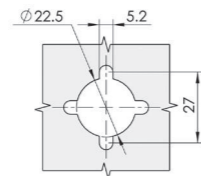
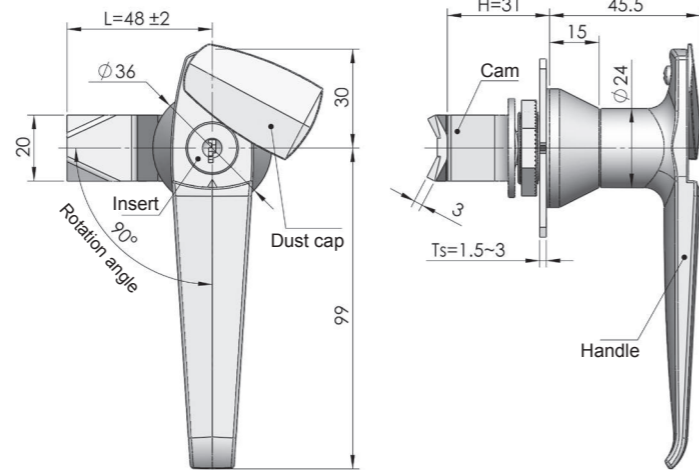
Default cam : S1H48Y19002

Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m

Maximum input torque:15N.m



Cut out

Remarks : RH,LH, and cam selection please refer to MS301 on catalogue

ERP

MS307Z3A050011

Remarks : Default cam S1H4819

MS308-2



RL IP54

Main material and finish:

Bright chrome plated ZDC handle, housing and white zinc plated steel cam.

Application:Quarter-turn opening and closing.

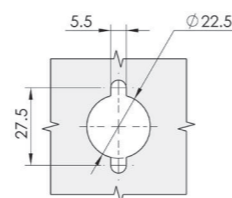
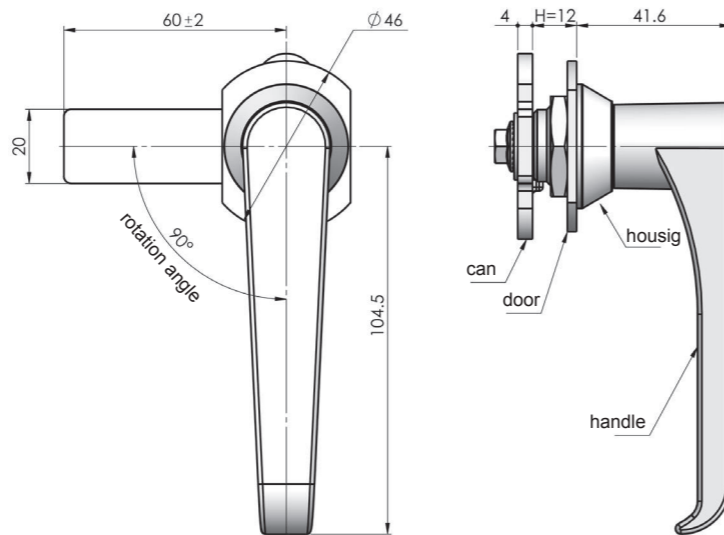
Remark:No key,cut out size same as MS308

Performance parameter

Maximum static load:220N

Recommended nut tightening torque:20N.m

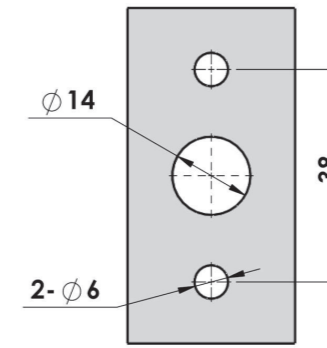
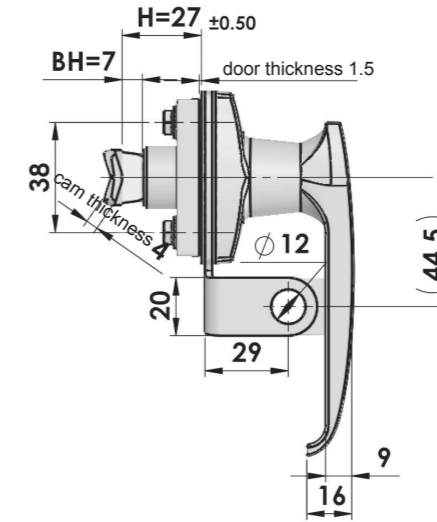
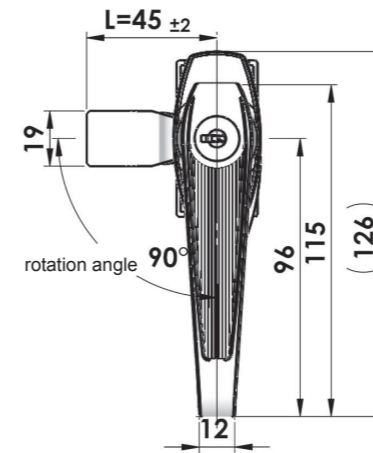
Maximum input torque:15N.m



Cut out

ERP

MS308Z3A000004



Cut out

MS315-4



RL IP55

Main material and finish:Right chrome ZDC handle,housing,color zinc plated shaft.

Application:Quarter-turn opening and closing.

Remark:Default key K280

Performance parameter

Handle load tension capability:780N

Recommended nut tightening torque:5N.m

Maximum input torque:15N.m

Feature Description	Product item	ERP
with cylinder,with padlock device,LH	MS315-4-Z	MS315Z3A280018
with cylinder,with padlock device,RH	MS315-4-Y	MS315Z3A280013

MS317



RL IP54

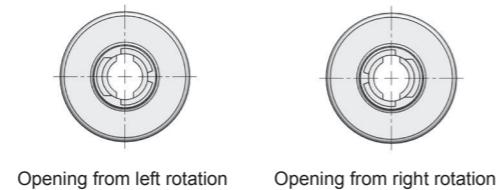
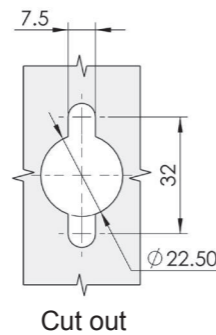
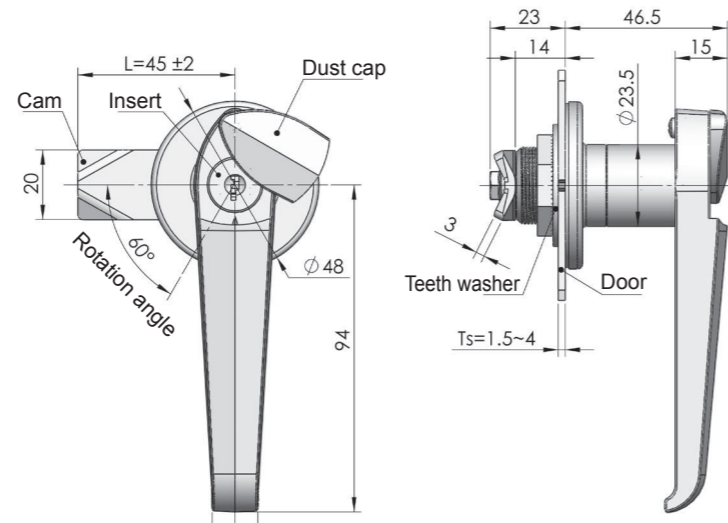
Main material and finish : Bright chrome-plated ZDC handle, housing and insert, white zinc-plated steel cam, teeth washer
Application : 60 degree rotation opening or closing

Remarks : Default key K050

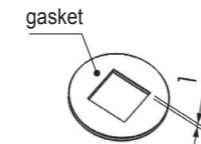
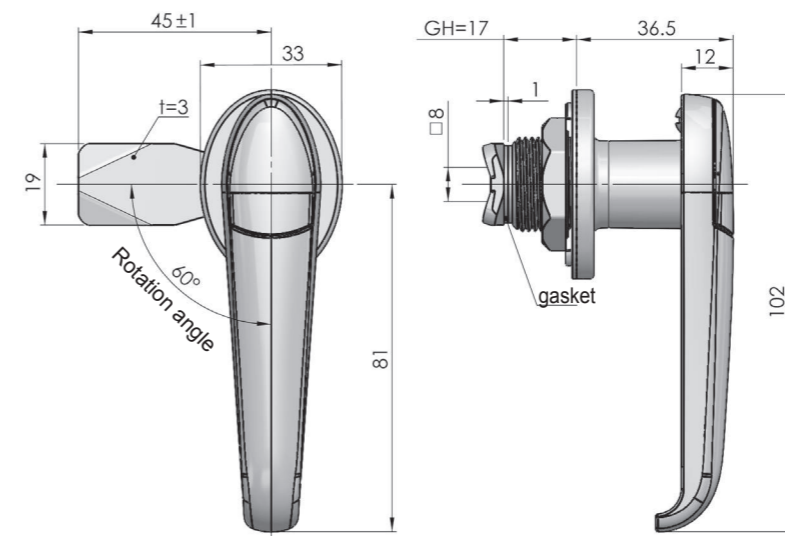
Default cam : S1B45Y00002

Performance parameter:

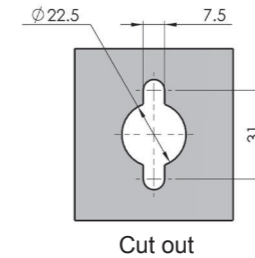
Maximum static load:140N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



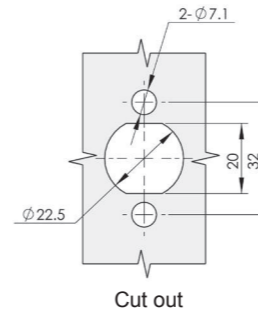
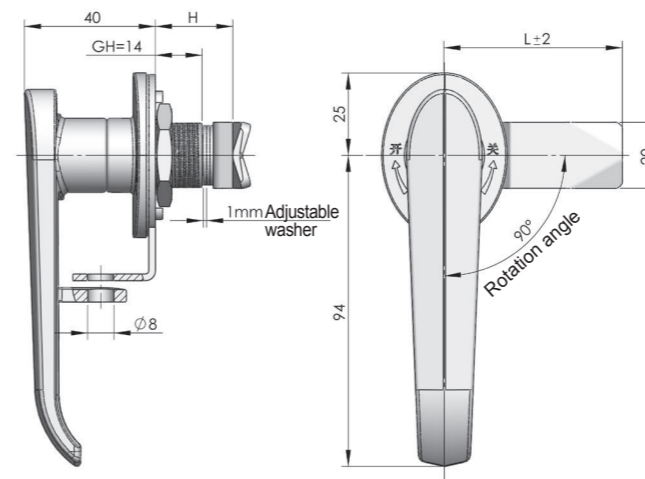
ERP MS317Z3A050001
 Remarks : Default cam S1B4500



Remarks : Change the location of keeper and cam installation position can be adjusted groundwork height GH



ERP MS317Z3A011001



ERP MS322Z2B000003
 Remarks : Default cam S1B5406 (square 8*8 cam optional)

MS317-1A



RL IP65

Main material and finish:Bright chrome plated ZDC handle, housing and dust cap.
Application: Handle 60°degree rotation opening and closing.
Remark:Default key K110.

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

MS322-2



L IP65 3PL

Main material and finish : Nanometer painting ZDC handle and housing, white zinc-plated steel padlock and cam
Application : 90 degree rotation opening or closing, pad-lockable

Default cam : S1B54Y06001

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

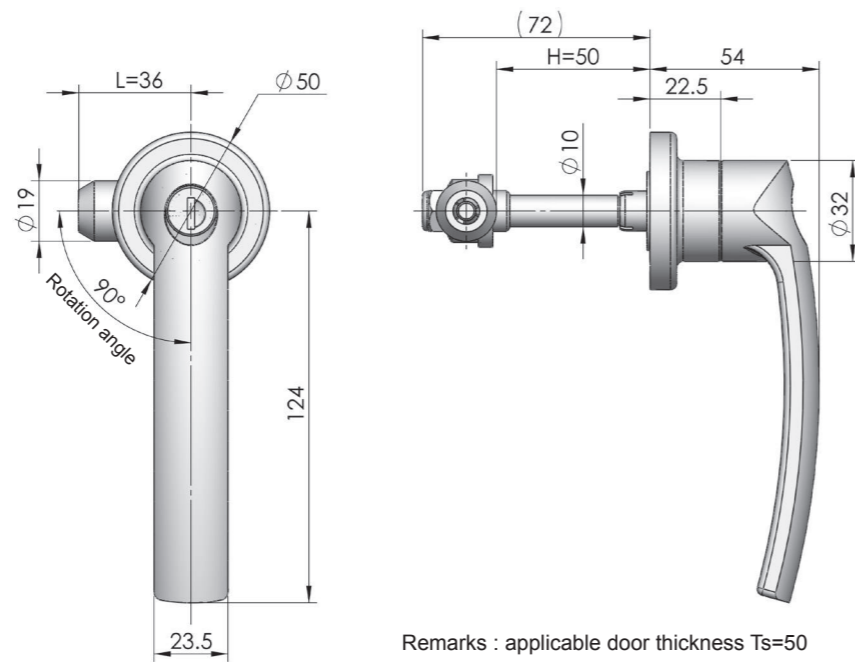
MS320



RL

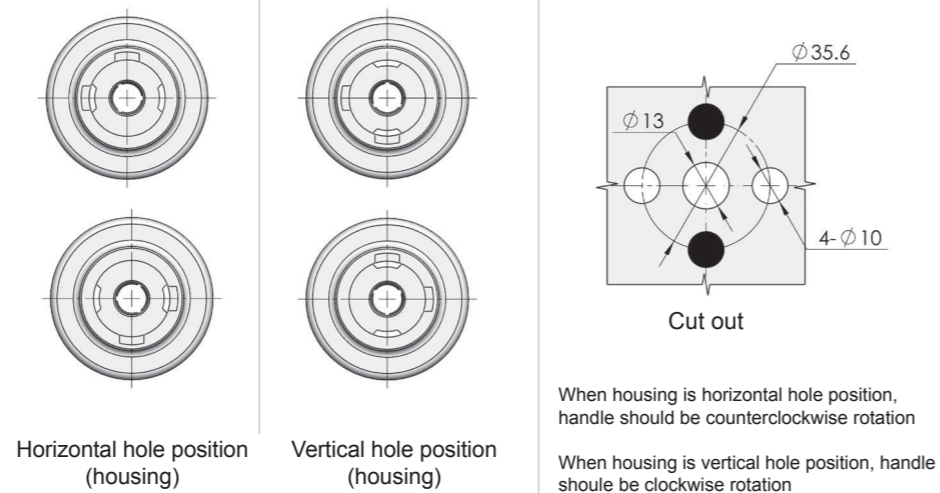
Main material and finish : PA handle and housing, white zinc-plated steel shaft
Application : Quarter-turn opening or closing
Remarks : Default key K160

Performance parameter
Handle load tension capability:91N
Maximum input torque:10N.m

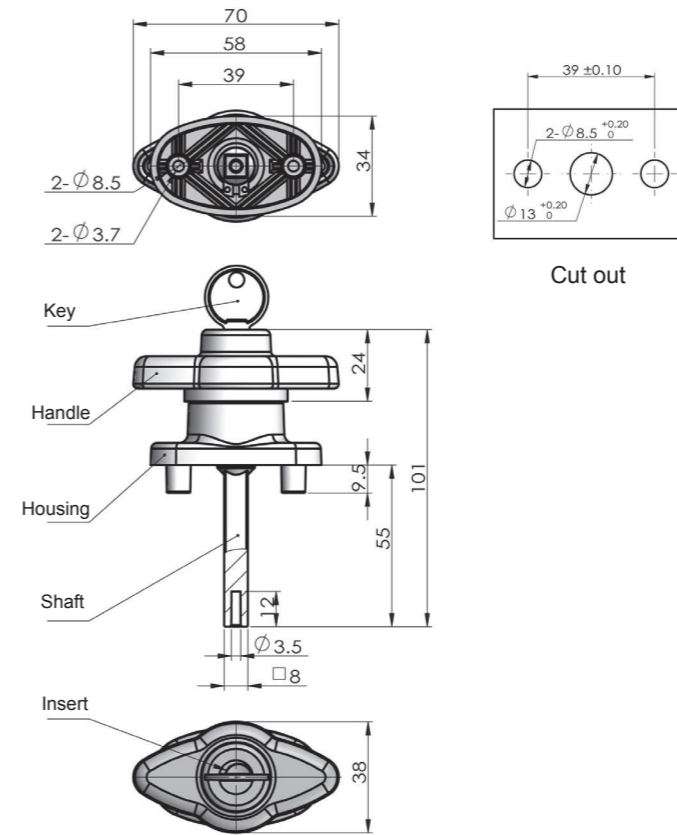


Remarks : applicable door thickness Ts=50

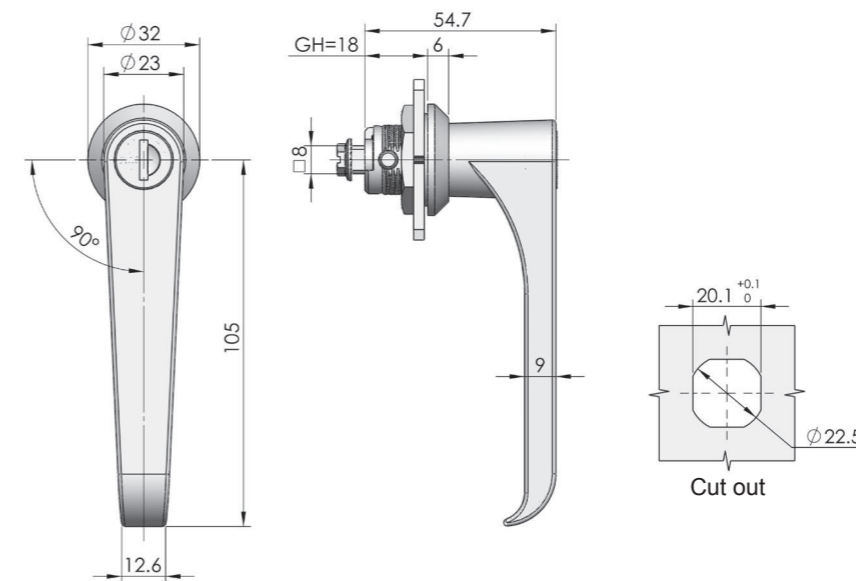
Installation Method



ERP MS320N00160004



ERP MS323N00140001



	MS324-1 Black powder coating ZDC	MS324-1B Stainless steel
ERP	MS324Z1A140010	MS324S4B140007

Remarks: Default cam S1B4507 (Square 8*8 cam optional)

MS323



RL

Material:PA6+30%GF black handle, and housing.
Application:90°rotation opening hand closing.
Remark:L2D0143 cylinder components(with key)white zinc plated zinc alloy/K14 Blank key.

Performance parameter
Handle load tension capability:1750N
Maximum input torque:15N.m

MS324



RL IP54

Main material and finish : ZDC handle and housing, steel cam
Application : Handle 90 rotation opening or closing
Remarks : Default key K140

Default cam : S1B45Y07002

Performance parameter:
Maximum static load:230N
Recommended nut tightening torque:20N.m
Maximum input torque:20N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS324-2



Main material and finish : Black powder coating ZDC housing and handle, white zinc plating steel cam

Application : 90 degree rotation opening or closing

Remarks : Default key K140

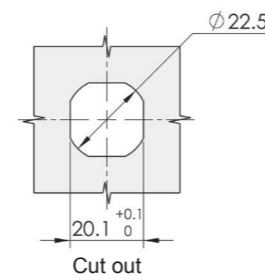
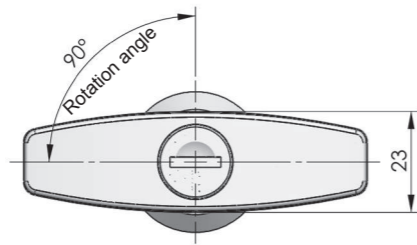
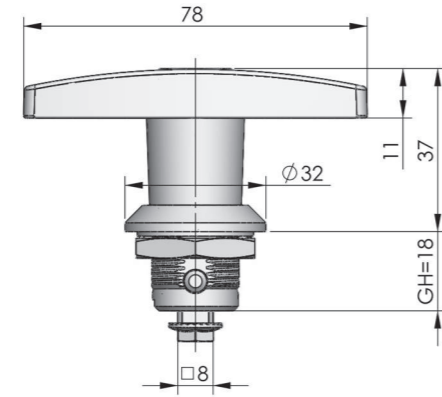
Default cam : S1B45Y07020

Performance parameter:

Maximum static load:270N

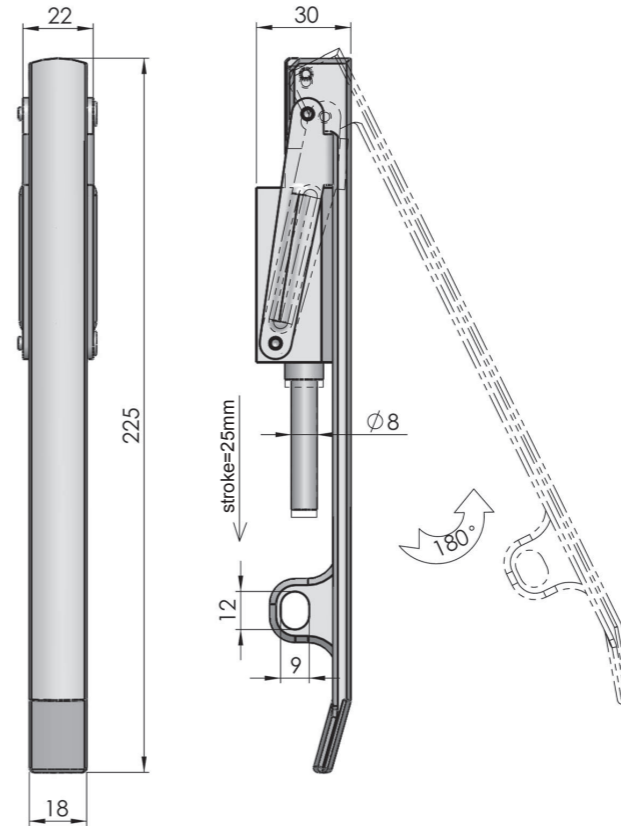
Recommended nut tightening torque:20N.m

Maximum input torque:20N.m



	MS324-2 With insert	MS324-2A Without insert
ERP	MS324Z1A140040	MS324Z1A000002

Remarks : Default cam S1B4507 (square 8*8 cam optional)



MS353



Main material and finish:White zinc plated ZDC housing,shaft,and holder.

Application:Handle 180° rotation opening or closing,stroke 25mm.

Performance parameter:

Handle load tension capability:490N

MS324-3



Main material and finish: Black powder coating ZDC housing and handle, bright chrome plated lock cylinder components.

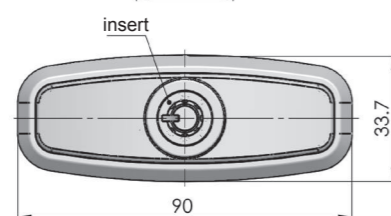
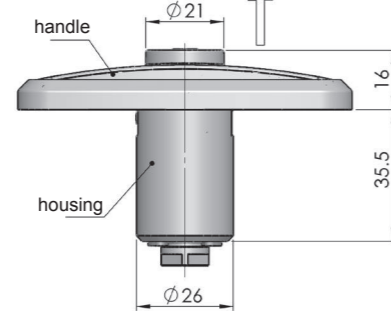
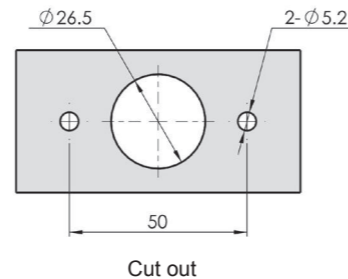
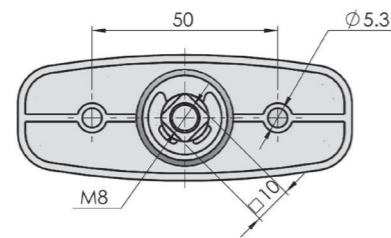
Application: Insert 180 degree rotation for opening, handle bounces automatically and 360 degree freely rotation

Remark:Default key K58-3

Performance parameter:

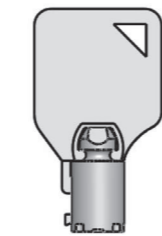
Maximum static load:270N

Maximum input torque:20N.m

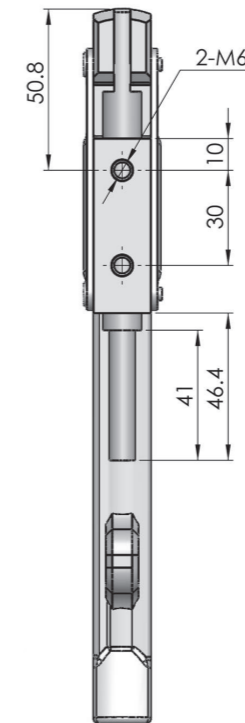


ERP	MS324Z2AE04007
-----	----------------

Remark:default cam S1C7200



Default key K58-3



ERP	MS353Z3D000001
-----	----------------

MS807-1



MS807-2



MS807-3



R L IP54

Main material and finish : Bright chrome-plated ZDC handle, housing, insert and dust-tight cap, white zinc-plated steel cam, teeth washer, and shaft

Application : Cam adjustable

Remarks : Default key K050

Default cam : S1C45Y00003(Steel)

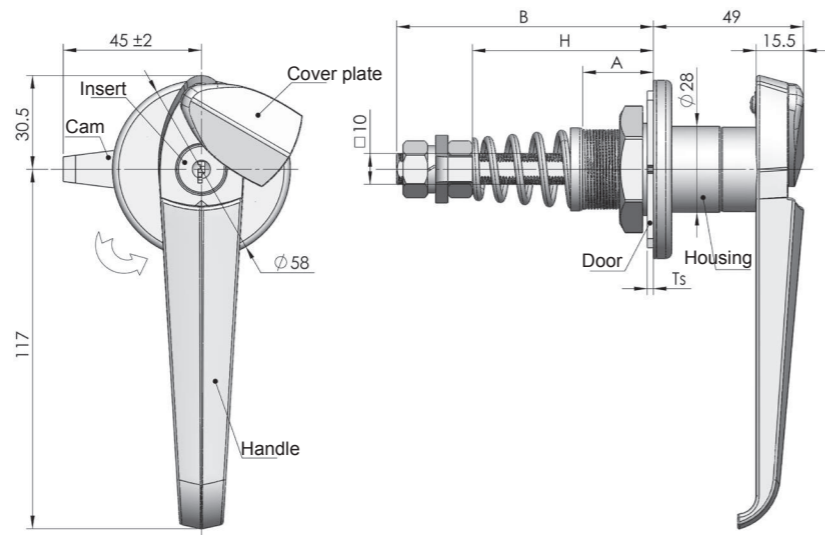
S1C45Y00004(Stainless steel)

Performance parameter:

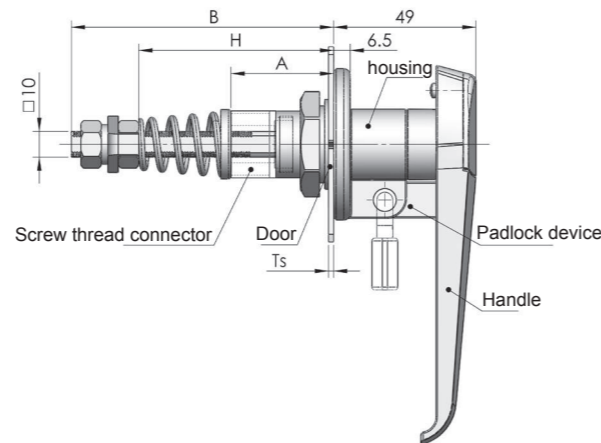
Maximum static load:242N

Recommended nut tightening torque:30N.m

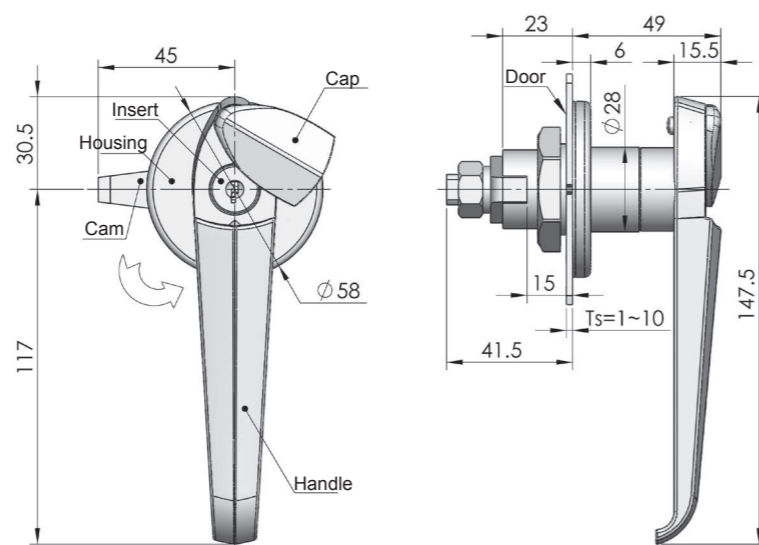
Maximum input torque:23N.m



MS807-1

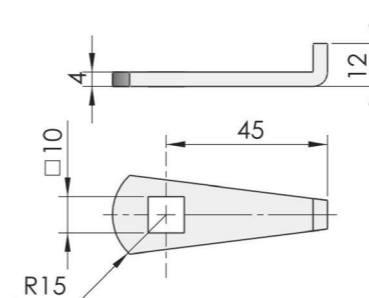


MS807-2

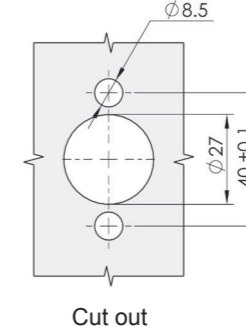


MS807-3

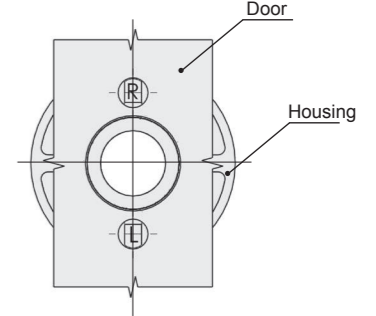
Default cam



Remarks : Default cam drawing cut out is square 10mm, other cam selection refer to cam list



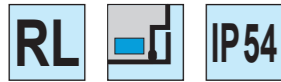
Cut out



Note : if it is used for 60 RH and LH, the door can be opened both right and left through housing 180 rotation assembling position, it is the dorsal view after lock is assembled on the door

Specification		MS807-1 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
A=23 B=83 H=45~58	60°For RH an LH	MS807-1	MS807Z3A050029	MS807-1B	MS807S4A050010
	90°RH	MS807-1-Y	MS807Z3A050036		
	90°LH	MS807-1-Z	MS807Z3A050039		
A=40 B=103 H=52~75	60°For RH an LH	MS807-1-D1	MS807Z3A050002	MS807-1B-1	MS807S4A050011
	90°RH	MS807-1-Y1	MS807Z3A050005		
	90°LH	MS807-1-Z1	MS807Z3A050008		
A=63 B=103 H=75~80	60°For RH an LH	MS807-1-D2	MS807Z3A050003	MS807-1B-2	MS807S4A050012
	90°RH	MS807-1-Y2	MS807Z3A050006		
	90°LH	MS807-1-Z2	MS807Z3A050009		
Specification		MS807-2 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
A=23 B=83 H=45~58	60°For RH an LH				
	90°RH	MS807-2-Y	MS807Z3A050011	MS807-2B-Y	MS807S4A050001
	90°LH	MS807-2-Z	MS807Z3A050010	MS807-2B-Z	MS807S4A050019
Specification		MS807-3 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
	60°For RH an LH	MS807-3	MS807Z3A050017	MS807-3B	MS807S4A050003
	90°RH	MS807-3-Y	MS807Z3A050018	MS807-3B-Y	MS807S4A050024
	90°LH	MS807-3-Z	MS807Z3A050019	MS807-3B-Z	MS807S4A050025

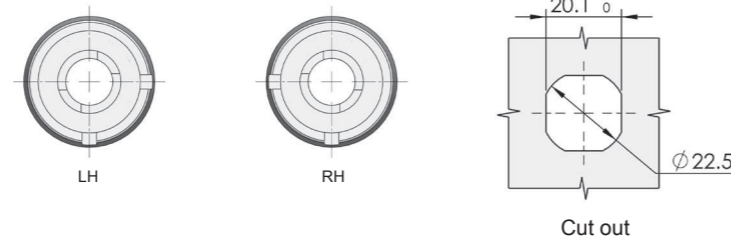
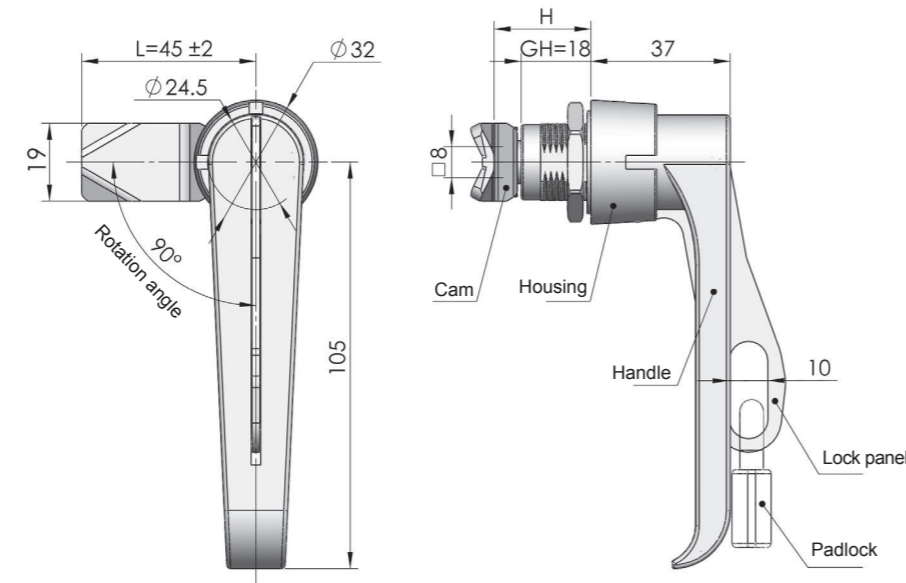
MS842



Main material and finish : Black pocked coated ZDC handle and housing, white zinc-plated steel cam, stainless steel lock panel or whole stainless steel for selection
Application : Quarter-turn opening or closing, padlockable

Default cam : S1B45Y07002
S1B45Y07022

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:25N.m



Specification	Model	ERP
ZDC	MS842	MS842Z1B000003
Stainless steel	MS842-1B	MS842S4B000001

Remarks : Default cam S1B4507 (square 8*8 cam optional)

MS859



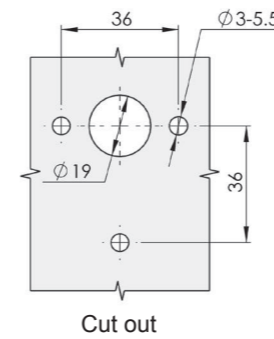
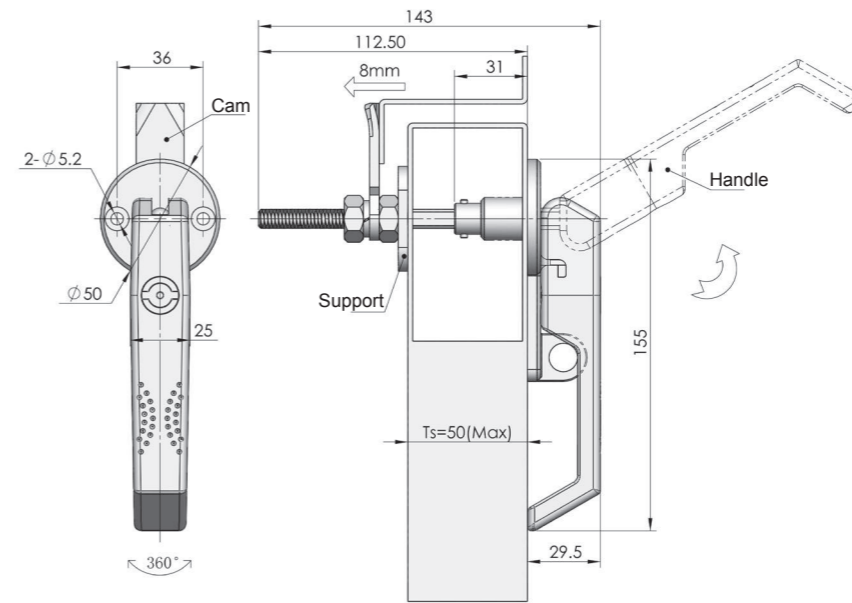
Main material and finish : PA handle, pocked black powder coated ZDC housing, bright chrome-plated ZDC insert, white zinc-plated steel shaft

Application : Quarter-turn opening or closing

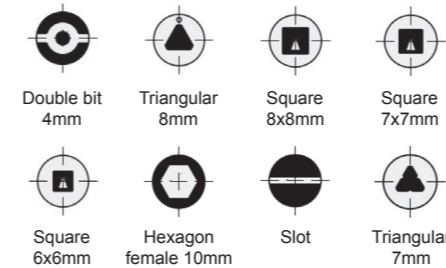
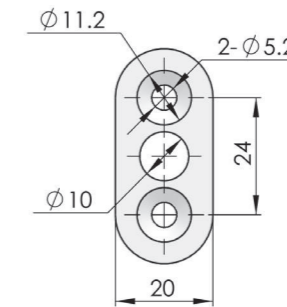
Remark : Optional key K15 series

Default cam : S1B45Y00005(Ts=4)

Performance parameter:
Handle load tension capability:105N
Maximum static load:220N
Maximum input torque:20N.m



Support (Accessory)



Specification	Model	ERP
Double bit	MS859-1-1	MS859Z1BT01001
Triangular 8mm	MS859-1-2	MS859Z1BT04001
Square 8x8mm	MS859-1-3	MS859Z1BT07001
Square 7x7mm	MS859-1-4	MS859Z1BT06001
Square 6x6mm	MS859-1-5	MS859Z1BT05001
Hexagon Female	MS859-1-6	MS859Z1BT09002
Slot	MS859-1-7	MS859Z1BT10001
Triangular 7mm	MS859-1-8	MS859Z1BT14001

Remarks : ERP excludes cam (cut out square 8mm)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

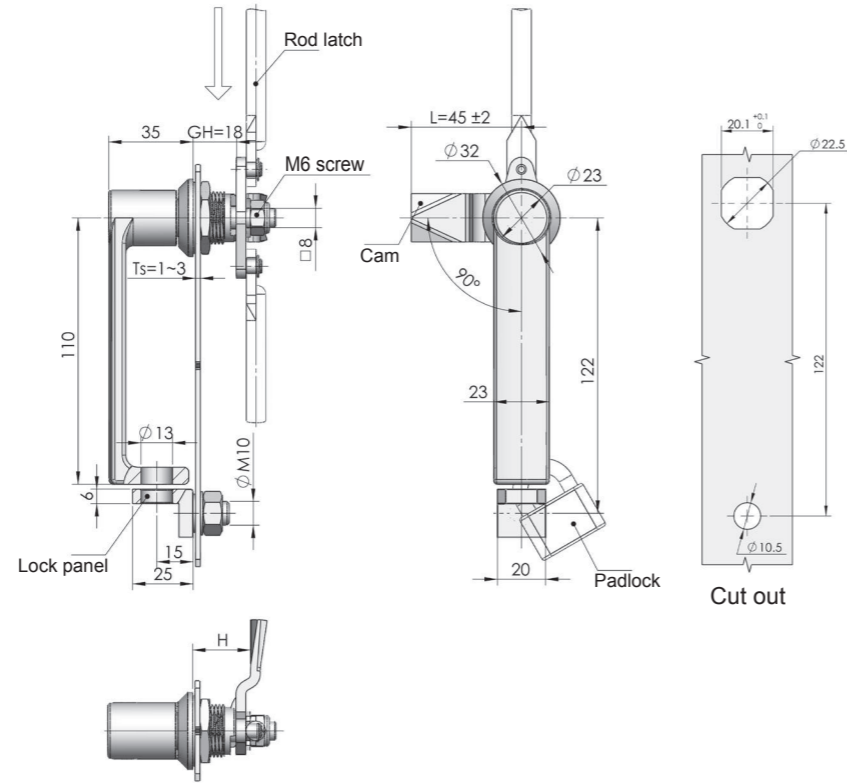
MS868



Main material and finish : Black powder coated ALU handle and lock panel,ZDC housing,white zinc plated steel cam
Application : Quarter-turn opening or closing, padlock available

Default cam : 2882450603

Performance parameter:
Maximum static load:270N
Maximum input torque:20N.m



ERP MS868Z1A000001

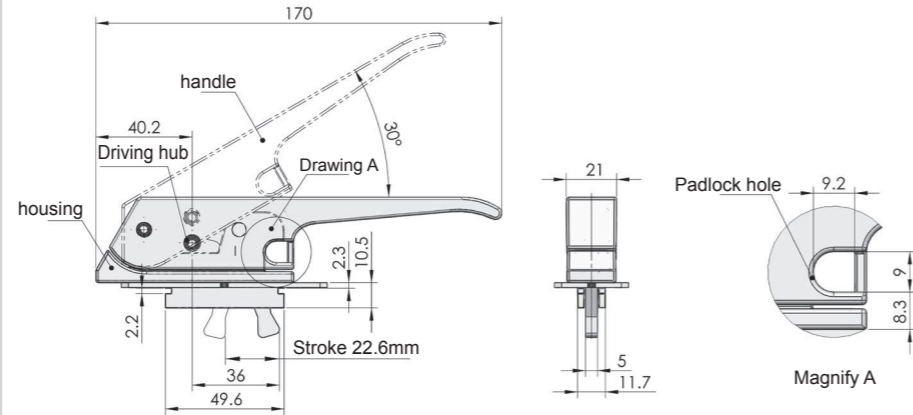
Remarks : Default cam DS3B4506 (square 8*8 cam optional)

MS887-1



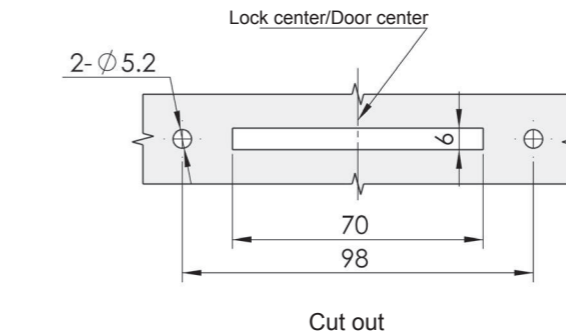
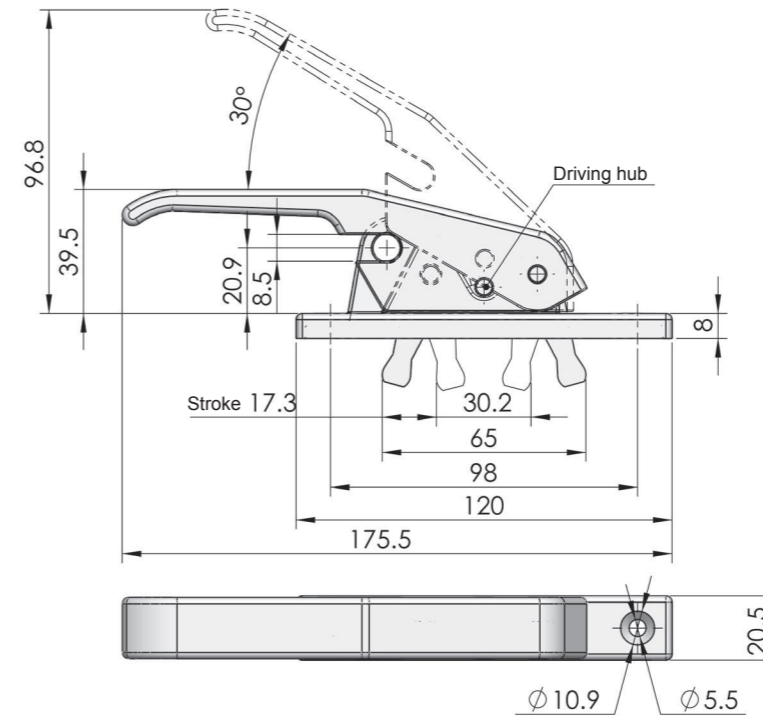
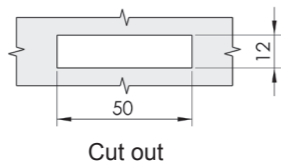
Main material and finish : Black powder coated ZDC housing, handle, white zinc-plated steel cam
Application : Handle combines with latch

Performance parameter:
Handle load tension capability:100N



ERP MS887Z1A000001

Remarks : Lock driving part prepared by user



Remarks : Lock driving part prepared by user

ERP MS887A1D000001

MS887-2



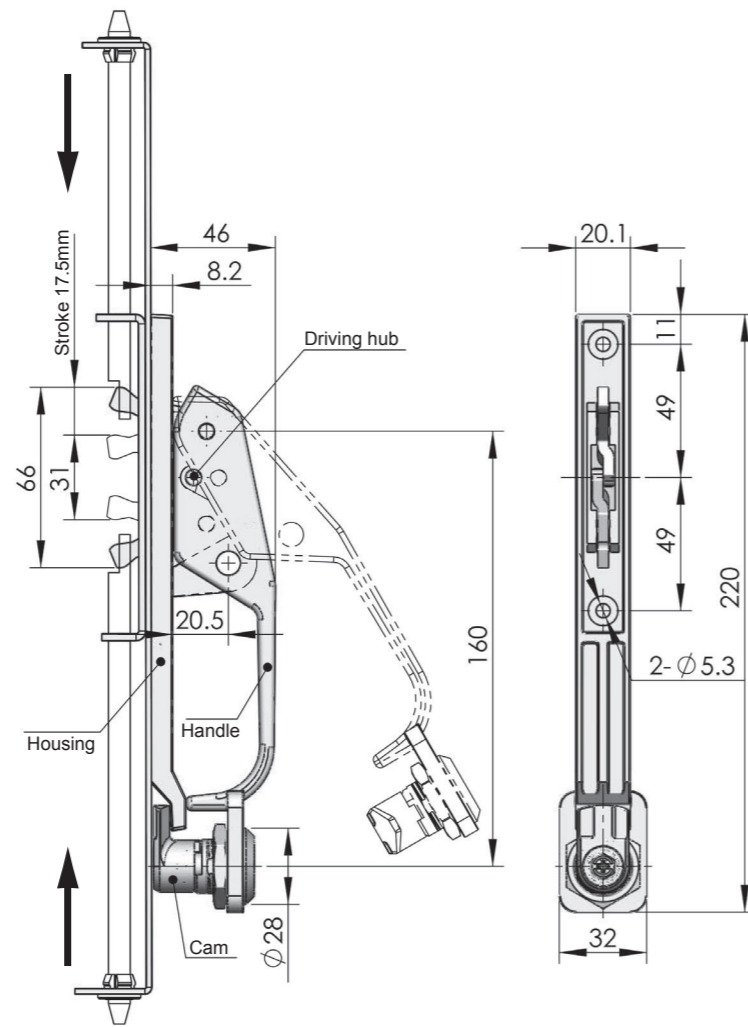
Main material and finish : Blue gray (RAL7035) powder coated aluminum housing, handle, white zinc-plated steel cam
Application : Handle combines with latch

Performance parameter:
Handle load tension capability:100N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

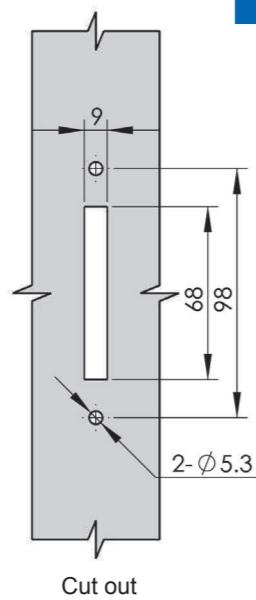
MS887-3



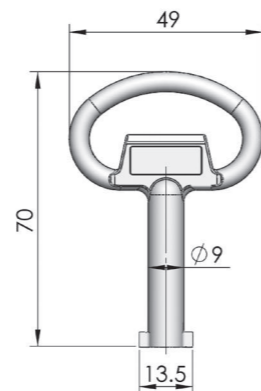
Main material and finish : Blue gray (RAL 7012) powder coated ZDC housing, handle and cylinder barrel
Application : Handle combines with latch, rod-latch system on sketch is just for reference, generally prepared by user
Remarks : Optional K15-01C

Performance parameter:
 Handle load tension capability:1350N

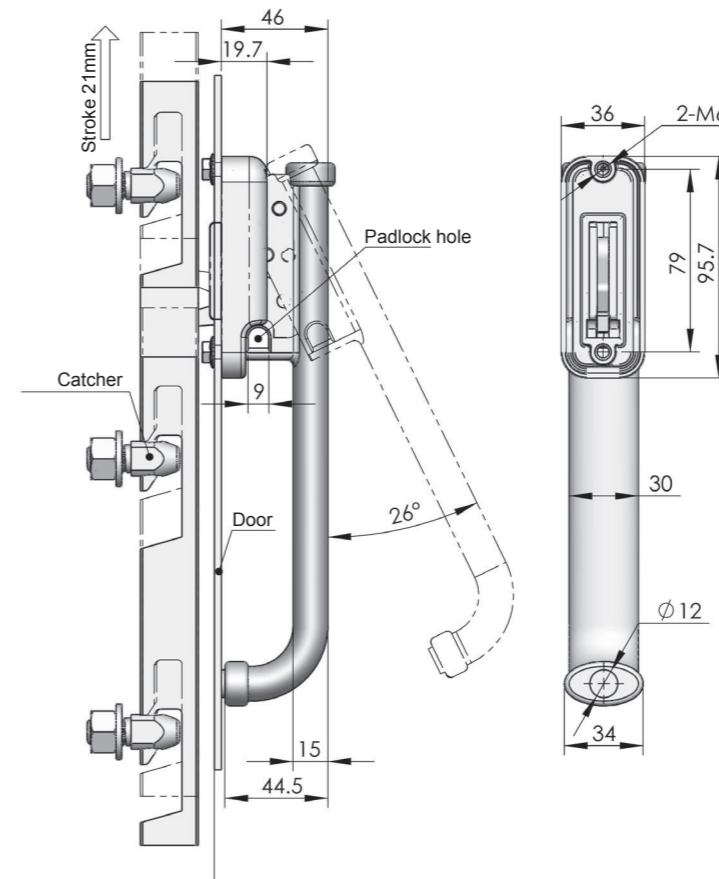
ERP MS887Z1DT02001



Select K15 series as per various inserts

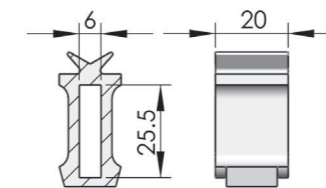


ERP 3290151001



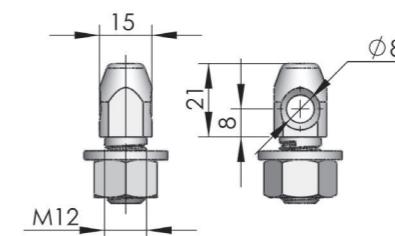
ERP MS887Z1D000001

PA guider (Optional)



ERP 3438874001

Catcher (Optional)



ERP 3248874001

MS887-4
























































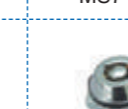










Main material and finish : Blue gray (RAL 7012) powder coated ZDC housing, and handle
Application : Handle combines with latch, rod-latch system on sketch is just for reference, generally prepared by user

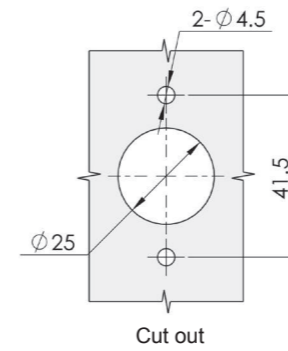
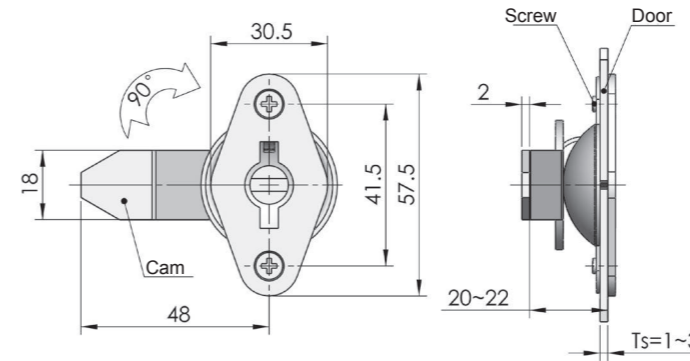
Performance parameter:
 Handle load tension capability:1800N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CYLINDER LOCK SERIES

 MS705	 MS705-3A	 MS705-3C	 MS705-3E	 MS705-3U	 MS705-K01	 MS714-2	 MS714-3
 MS714-4	 MS715	 MS722	 MS763	 MS734	 MS761	 MS735	 MS739
 MS813	 MS704-1	 MS837	 MS844	 MS845	 MS750	 MS812	 MS801-1
 MS801-2	 MS803	 MS811-4	 MS811-5	 MS811-6	 MS816-1	 MS816-2	 MS816-3S
 MS817	 MS823	 MS816-4B	 MS822	 MS706	 MS809	 MS729	 MS733
 MS741	 MS742	 MS743	 MS744	 MS745-2	 MS748	 MS760	 MS802
 MS804	 MS806	 MS815-1	 MS815-2	 MS815-3	 MS824	 MS825	 MS826
 MS303	 MS330	 MS775	 MS735-4	 MS753	 MS754	 MS767	 MS772



ERP MS330F3D000001

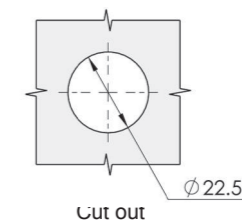
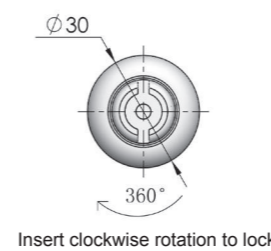
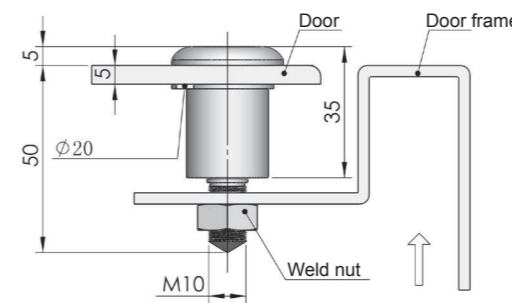
MS330



Main material and finish: White zinc-plated steel lock body, and steel cam
Application: Quarter-turn opening or closing

Performance parameter:
Maximum static load:57N

- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock
- Panel lock
- Toggle and hook
- Handles
- Door stop
- Hinge
- Seal gasket



ERP MS704F3AT02004

MS704-2



Main material and finish : Bright chrome-plated steel housing and insert
Application : 360 degree rotation opening or closing, with function of locking
Remarks : Optional key K15-1

Performance parameter:
Maximum input torque:15N.m

MS704-1



MS704-1A



Main material and finish : Bright chrome-plated ZDC housing and steel insert

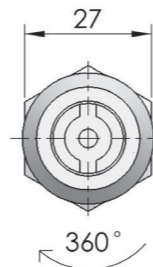
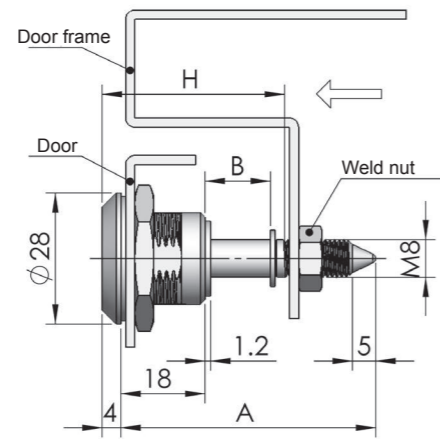
Application : 360 degree opening or closing, with function of locking

Remarks : Optional key K15-1

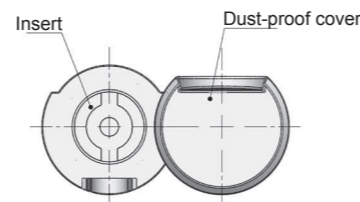
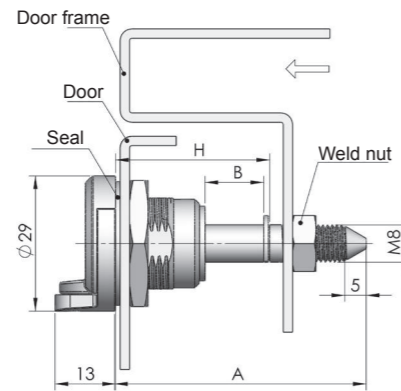
Performance parameter:

Recommended nut tightening torque:20N.m

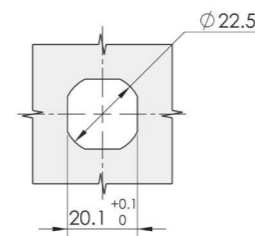
Maximum input torque:9N.m



Insert clockwise rotation to lock



Insert clockwise rotation to lock



Cut out

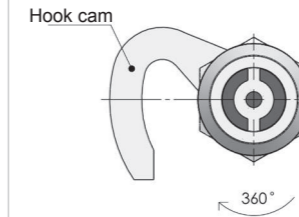
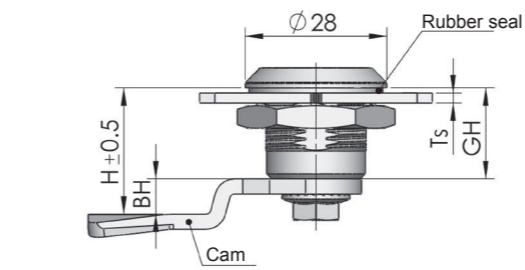
Summary listing of instrumental lock insert for MS705 Series

- | | | | | | |
|--|--|----------------------|--|--|-----------------------------|
| | | Double bit 4mm pin | | | Hexagon 11mm |
| | | Double bit 3mm pin | | | Thorn |
| | | Hooked 4mm | | | Flat Cylinder |
| | | Triangular 8mm | | | Triangular 7mm |
| | | Square 8mm | | | Triangular 9mm |
| | | Square 8mm with slot | | | Heptagon |
| | | Square 6mm | | | Triangular 10mm with circle |
| | | Square 7mm | | | Concave with slot |
| | | Socket Hexagon 10mm | | | Hexagon female with pin |
| | | Slot | | | |

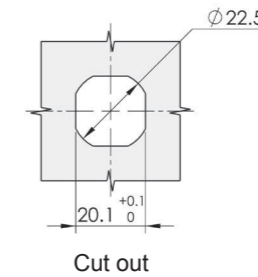
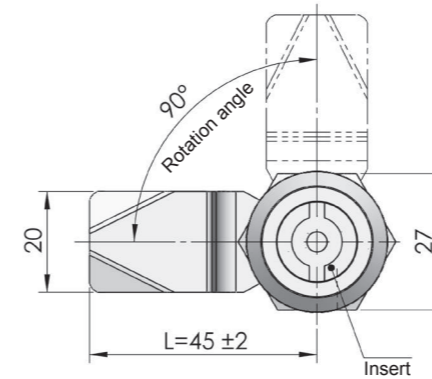
Specification	ZDC housing		Lead sealable housing		PA housing	
	Model	ERP	Model	ERP	Model	ERP
A=40 B=2.5 H=23	MS704-1/23	MS704Z3AT02001	MS704-1A/23	MS704Z3HT02004	MS704-1F/23	MS704N00T02001
A=46 B=7.5 H=28	MS704-1/28	MS704Z3AT02002	MS704-1A/28	MS704Z3HT02005	MS704-1F/28	MS704N00T02002
A=54 B=13.5 H=34	MS704-1/34	MS704Z3AT02003	MS704-1A/34	MS704Z3HT02006	MS704-1F/34	MS704N00T02003

Summary listing of instrumental lock insert for MS816-1/MS816-1A/MS817Series

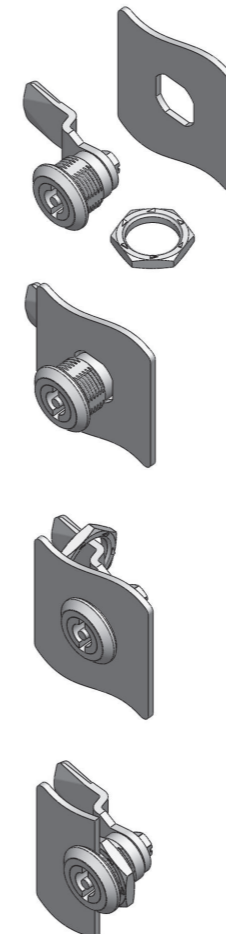
		Triangular 8mm
		Hooked 4mm
		Socket Hexagon female 8mm
		Hexagon male 10mm
		Square 8mm
		Square 7mm
		Square 9mm
		Slot
		Triangular 7mm



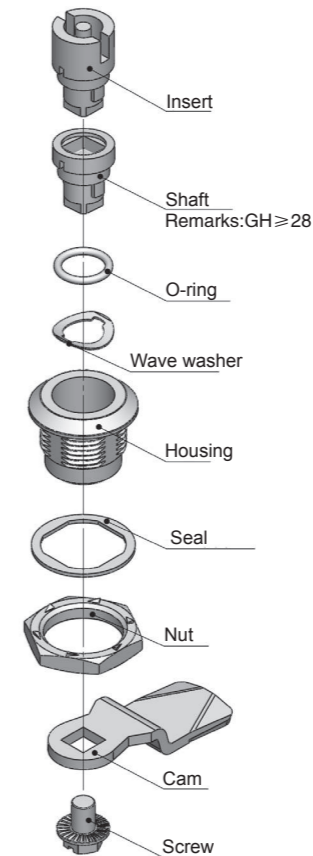
Remarks: Hooked cam, Ra=360°, suit for push-pull type cabinet doors



Assembling sketch



Exploded view



MS705



RL IP54

Application : Insert quarter-turn opening or closing

Default cam : S1B45Y07002 (ZDC)
S1B45Y07022 (SUS)

Performance parameter:

Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

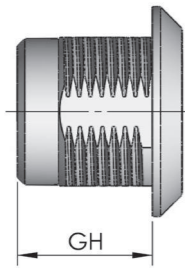
Handles

Door stop

Hinge

Seal gasket

Housing

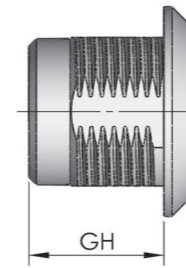


Specification	Housing GH=18					
	ZDC housing and bright chrome insert		SUS housing and insert		Black PA housing and bright chrome ZDC insert	
	Model	ERP	Model	ERP	Model	ERP
Double bit 4mm	MS705-1	MS705Z3AT02032	MS705-1B	MS705S00T02008	MS705-1S	MS705N00T02008
Double bit 3mm	MS705-1A	MS705Z3AT01007	MS705-1AB	MS705S00T01017	MS705-1AS	MS705N00T01014
Hooked 4mm	MS705-2	MS705Z3AT03034	MS705-2B	MS705S00T03005	MS705-2S	MS705N00T03001
Triangular 8mm	MS705-3	MS705Z3AT04041	MS705-3B	MS705S00T04008	MS705-3S	MS705N00T04017
Square 8mm	MS705-4	MS705Z3AT07021	MS705-4B	MS705S00T07007	MS705-4S	MS705N00T07001
square 8mm with solt	MS705-4A	MS705Z3AT08001	MS705-4AB	MS705S00T08005	MS705-4AS	MS705N00T08001
Square 6mm	MS705-5	MS705Z3AT05008			MS705-5S	MS705N00T05007
Square 7mm	MS705-6	MS705Z3AT06010			MS705-6S	MS705N00T06002
10mm Hexagon female	MS705-7	MS705Z3AT09025	MS705-7B	MS705S00T09003	MS705-7S	MS705N00T09001
Slot	MS705-8	MS705Z3AT10012			MS705-8S	MS705N00T10012
11mm Hexagon male	MS705-9	MS705Z3AT11008			MS705-9S	MS705N00T11002
Thorn	MS705-10	MS705Z3AT12001			MS705-10S	MS705N00T12001
Flat Cylinder	MS705-11	MS705Z3AT13001			MS705-11S	MS705N00T13001
Triangular 7mm	MS705-12	MS705Z3AT14014			MS705-12S	MS705N00T14001
Triangular 9mm	MS705-13	MS705Z3AT15009			MS705-13S	MS705N00T15001
Heptagon male	MS705-14	MS705Z3AT16001			MS705-14S	MS705N00T16001
Triangular 10mm	MS705-15	MS705Z3AT17017			MS705-15S	MS705N00T17002
Concave with solt	MS705-16	MS705Z3AT18005			MS705-16S	MS705N00T18002
Inside hexagon with pin	MS705-18	MS705Z3AT24001				

Specification	Housing GH=28		Housing GH=36			
	ZDC housing, bright chrome insert		ZDC housing, bright chrome insert		Black PA housing, bright chrome ZDC insert	
	Model	ERP	Model	ERP	Model	ERP
Double bit 4mm	MS705-2M-1	MS705Z3AT02088	MS705-3M-1	MS705Z3AT02077	MS705-3M-1S	MS705N00T03003
Double bit 3mm	MS705-2M-1A	MS705Z3AT01026	MS705-3M-1A	MS705Z3AT01027	MS705-3M-1AS	MS705N00T01003
Hooked 4mm	MS705-2M-2	MS705Z3AT03022	MS705-3M-2	MS705Z3AT03015	MS705-3M-2S	MS705N00T03005
Triangular 8mm	MS705-2M-3	MS705Z3AT04027	MS705-3M-3	MS705Z3AT04096	MS705-3M-3S	MS705N00T04018
Square 8mm	MS705-2M-4	MS705Z3AT07017	MS705-3M-4	MS705Z3AT07035	MS705-3M-4S	MS705N00T07003
square 8mm with solt	MS705-2M-4A	MS705Z3AT08002	MS705-3M-4A	MS705Z3AT08025	MS705-3M-4AS	MS705N00T08003
Square 6mm	MS705-2M-5	MS705Z3AT05011	MS705-3M-5	MS705Z3AT05003	MS705-3M-5S	MS705N00T05003
Square 7mm	MS705-2M-6	MS705Z3AT06009	MS705-3M-6	MS705Z3AT06015	MS705-3M-6S	MS705N00T06003
10mm Hexagon female	MS705-2M-7	MS705Z3AT09026	MS705-3M-7	MS705Z3AT09027	MS705-3M-7S	MS705N00T09003
Slot	MS705-2M-8	MS705Z3AT10002	MS705-3M-8	MS705Z3AT10031	MS705-3M-8S	MS705N00T10003
11mm Hexagon male	MS705-2M-9	MS705Z3AT11010	MS705-3M-9	MS705Z3AT11003	MS705-3M-9S	MS705N00T11003
Thorn	MS705-2M-10	MS705Z3AT12002	MS705-3M-10	MS705Z3AT12003	MS705-3M-10S	MS705N00T12003
Flat Cylinder	MS705-2M-11	MS705Z3AT13002	MS705-3M-11	MS705Z3AT13003	MS705-3M-11S	MS705N00T13003
Triangular 7mm	MS705-2M-12	MS705Z3AT14002	MS705-3M-12	MS705Z3AT14003	MS705-3M-12S	MS705N00T14003
Triangular 9mm	MS705-2M-13	MS705Z3AT15002	MS705-3M-13	MS705Z3AT15003	MS705-3M-13S	MS705N00T15003
Heptagon male	MS705-2M-14	MS705Z3AT16002	MS705-3M-14	MS705Z3AT16003	MS705-3M-14S	MS705N00T16003
Triangular 10mm	MS705-2M-15	MS705Z3AT17002	MS705-3M-15	MS705Z3AT17003	MS705-3M-15S	MS705N00T17003
Concave with solt	MS705-2M-16	MS705Z3AT18002	MS705-3M-16	MS705Z3AT18003	MS705-3M-16S	MS705N00T18003

Remarks: For ERP no. above, default cam S1B4507 (cutout 8x8)

Housing



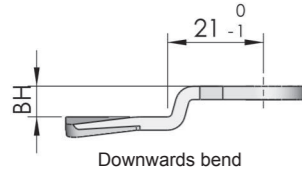
Specification	Housing GH=62			
	ZDC housing and bright chrome insert		housing and bright chrome ZDC insert	
	Model	ERP	Model	ERP
Double bit 4mm	MS705-H62-1	MS705Z3AT02070	MS705-H62-1S	MS705N00T02004
Double bit 3mm	MS705-H62-1A	MS705Z3AT01004	MS705-H62-1AS	MS705N00T01004
Hooked 4mm	MS705-H62-2	MS705Z3AT03073	MS705-H62-2S	MS705N00T03004
Triangular 8mm	MS705-H62-3	MS705Z3AT04099	MS705-H62-3S	MS705N00T04004
Square 8mm	MS705-H62-4	MS705Z3AT07015	MS705-H62-4S	MS705N00T07004
square 8mm with solt	MS705-H62-4A	MS705Z3AT08054	MS705-H62-4AS	MS705N00T08004
Square 6mm	MS705-H62-5	MS705Z3AT05004	MS705-H62-5S	MS705N00T05004
Square 7mm	MS705-H62-6	MS705Z3AT06004	MS705-H62-6S	MS705N00T06004
10mm Hexagon female	MS705-H62-7	MS705Z3AT09028	MS705-H62-7S	MS705N00T09004
Slot	MS705-H62-8	MS705Z3AT10032	MS705-H62-8S	MS705N00T10004
11mm Hexagon male	MS705-H62-9	MS705Z3AT11004	MS705-H62-9S	MS705N00T11004
Thorn	MS705-H62-10	MS705Z3AT12004	MS705-H62-10S	MS705N00T12004
Flat Cylinder	MS705-H62-11	MS705Z3AT13004	MS705-H62-11S	MS705N00T13004
Triangular 7mm	MS705-H62-12	MS705Z3AT14004	MS705-H62-12S	MS705N00T14004
Triangular 9mm	MS705-H62-13	MS705Z3AT15004	MS705-H62-13S	MS705N00T15004
Heptagon male	MS705-H62-14	MS705Z3AT16004	MS705-H62-14S	MS705N00T16004
Triangular 10mm	MS705-H62-15	MS705Z3AT17004	MS705-H62-15S	MS705N00T17004
Concave with solt	MS705-H62-16	MS705Z3AT18004	MS705-H62-16S	MS705N00T18004

Remarks: For ERP no. above, default cam S1B4507 (cutout 8x8)

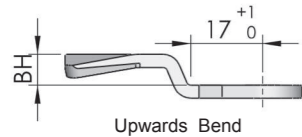
Specification



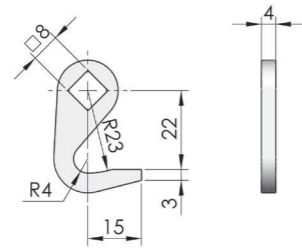
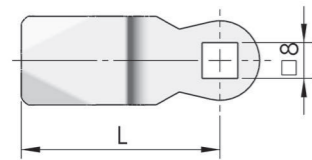
Cams (Optional)



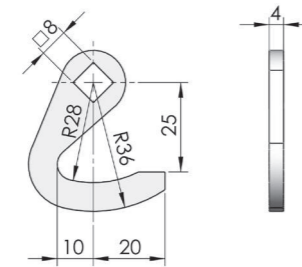
Downwards bend



Upwards Bend



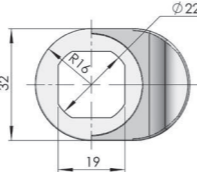
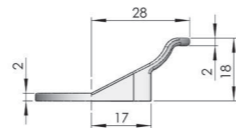
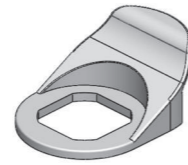
SIB2328H (Hooked cam)



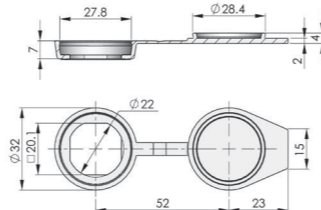
SIB2836H (Hooked cam)

Remarks : See S1B cam series on P007

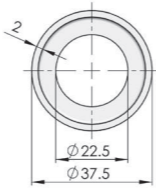
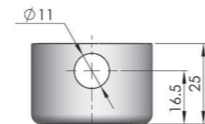
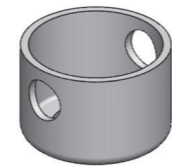
HP001 Handle pull (Optional)



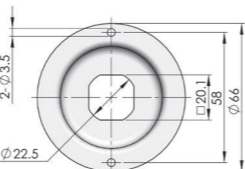
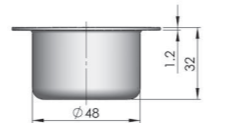
WP002 Water-proof cap (Optional)



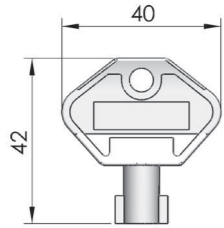
A3001 Stainless steel lock tube (Optional)



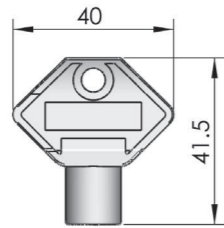
A3002 Carbon steel seat cover (Optional)



Keys for selection

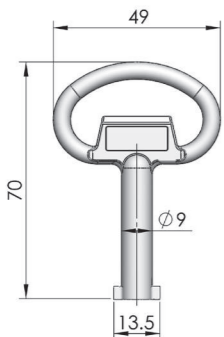


K15-1F

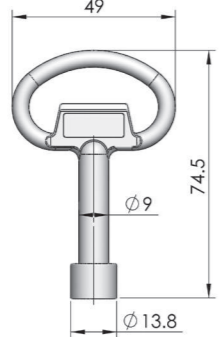


K15- F Series

Remarks: Material is plastic, " " stands for the model variable.

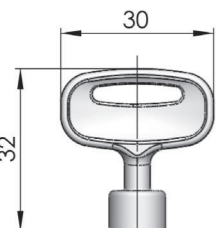


K15-1

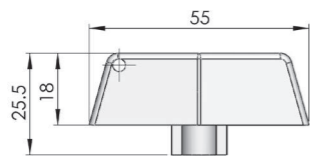


K15- Series

Remarks: Material is ZDC, " " stands for the model variable.

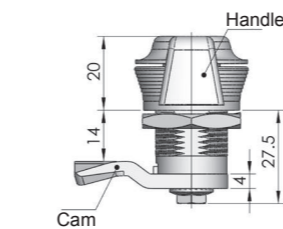


K15-05E

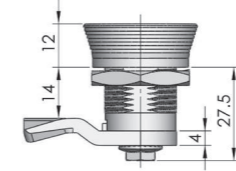


K15-01D

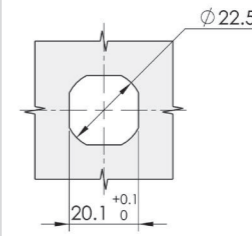
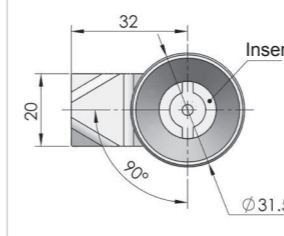
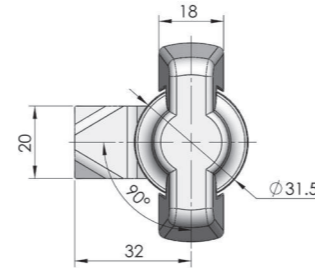
Remarks: Material is ZDC, " " stands for the model variable.



MS705-K01



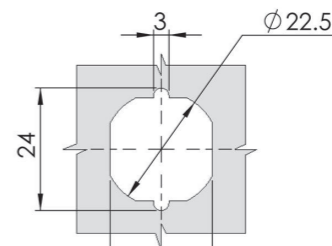
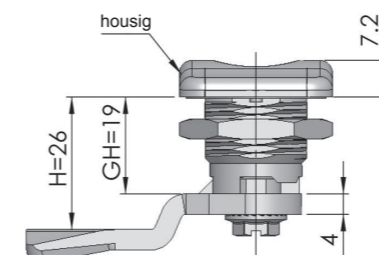
MS705-K02



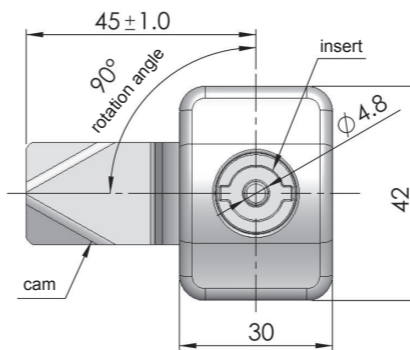
Cut out

Specification	Model	ERP
Handles	MS705-K01	MS705Z1F000015
Double bit	MS705-K02	MS705Z1FT01001

Remark: Default cam DS1B32N04, T=4



Cut out



ERP

MS705Z2AT20003

MS705-K



RL IP54

Main material and finish : Green powder coated ZDC handle, housing and insert, white zinc-plated steel cam
Application: Quarter-turn opening or closing
Remarks : Optional key K15-01C

Default cam : S1B32N04002

Performance parameter:

Maximum static load:210N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

MS705-Q



RL IP54

Main material and finish : Black painted ZDC housing, Bright chrome plated insert, white zinc-plated cam and screw.
Remarks:Default key K15-1

Performance parameter:

Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

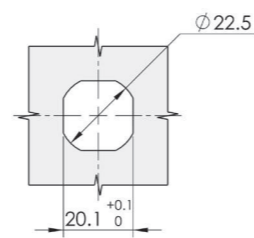
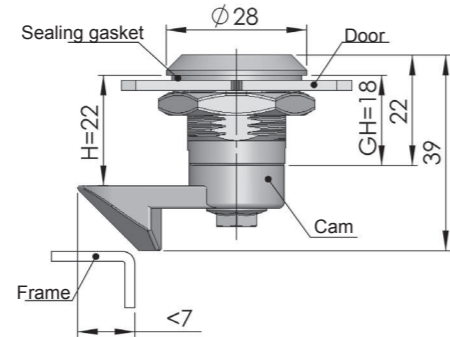
MS705-1W-2D



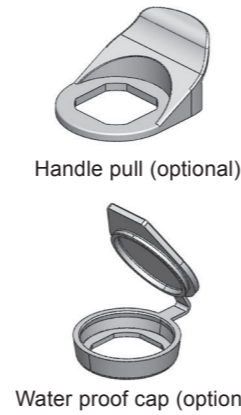
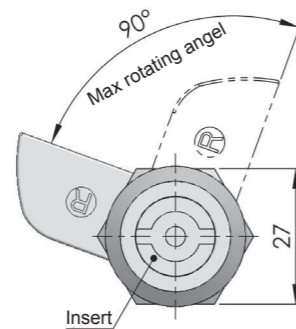
R L

Main material and finish: Bright chrome ZDC housing, insert and cam
Application: Quarter turn opening or closing, auto locking function
Remark: Optional key K15

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

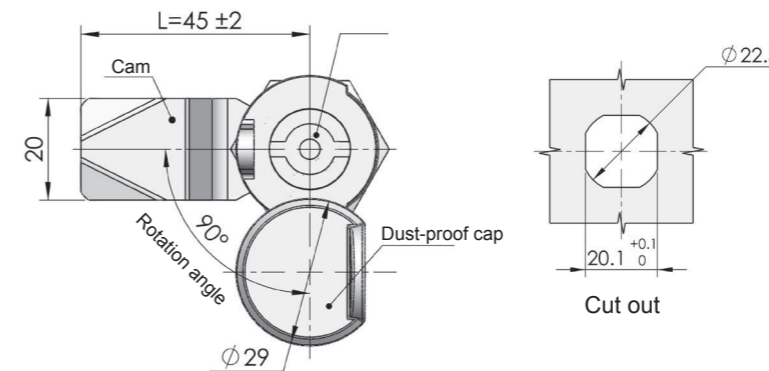
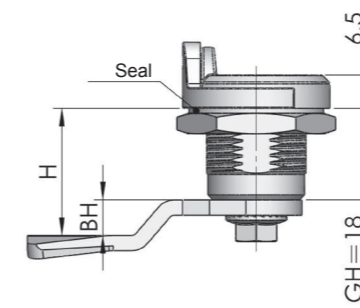


Cut out



Water proof cap (optional)

	MS705-1W-2D Left hand cam	MS705-1W-2D Right hand cam
ERP	MS705Z3AT02020	MS705Z3AT02018



Cut out

MS705-3A



RL

Main material and finish : Sand-spray and bright chrome-plated ZDC housing,insert and dust-proof cap, white zinc-plated steel cam

Application : Quarter-turn opening or closing
Remarks: Optional key K15 series

Default cam : S1B45Y07002

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

MS705-3C

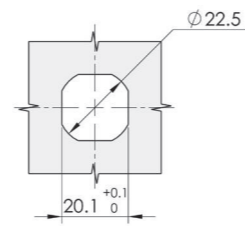
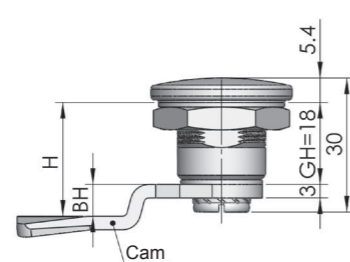


RL

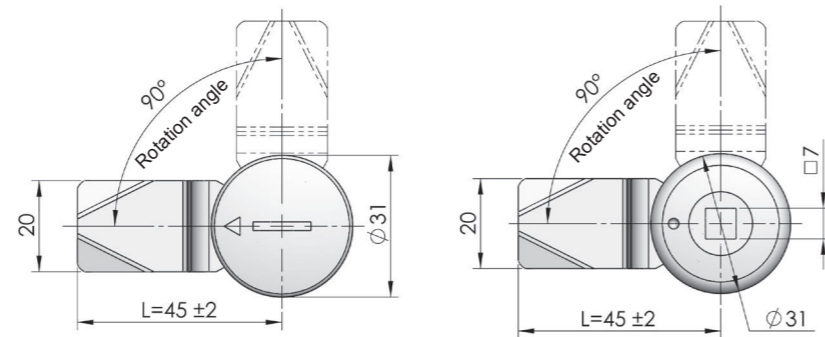
Main material and finish : Sand-spray, and bright chrome-plated ZDC housing, white zinc-plated steel cam
Application : Quarter-turn opening or closing

Default cam : S1B45Y02002

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:6N.m



Cut out



Specification	Model	ERP
Slot	MS705-3C-1	MS705Z1B000002
Square 7x7	MS705-3C-2	MS705Z3HT06001

Remark: default cam S1B4502 (Cut out 8x8 cam)

ERP	Model	Insert range	Optional key
MS705Z3HT02009	MS705-3A-1	Double bit 4mm	K15-1/K15-1F/K15-1A
MS705Z3HT01008	MS705-3A-1A	Double bit 3mm	K15-1/K15-1F/K15-1A
MS705Z3HT03008	MS705-3A-2	Hooked 4mm	K15-1
MS705Z3HT04010	MS705-3A-3	Triangular 8mm	K15-3/K15-3F
MS705Z3HT07007	MS705-3A-4	Square 8mm	K15-4/K15-4F
MS705Z3HT08005	MS705-3A-4A	square 8mm with solt	K15-4/K15-4F
MS705Z3HT05005	MS705-3A-5	Square 6mm	K15-5/K15-5F/K15-5A
MS705Z3HT06005	MS705-3A-6	Square 7mm	K15-6/K15-6F
MS705Z3HT09001	MS705-3A-7	10mm Hexagon female	K15-7/K15-7F
MS705Z3HT10007	MS705-3A-8	Slot	
MS705Z3HT11005	MS705-3A-9	11mm Hexagon male	K15-9/K15-9F
MS705Z3HT12005	MS705-3A-10	Thorn	K15-10
MS705Z3HT13005	MS705-3A-11	Flat Cylinder	K15-11
MS705Z3HT14007	MS705-3A-12	Triangular 7mm	K15-3/K15-3F
MS705Z3HT15005	MS705-3A-13	Triangular 9mm	
MS705Z3HT16005	MS705-3A-14	Heptagon male	
MS705Z3HT17005	MS705-3A-15	Triangular 10mm	
MS705Z3HT18005	MS705-3A-16	Concave with solt	

Remarks: For ERP no. above, default cam S1B4507 (cutout 8x8)

MS705-3C-4

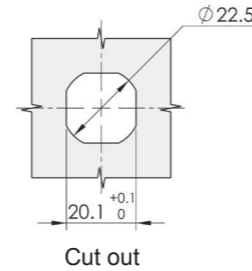
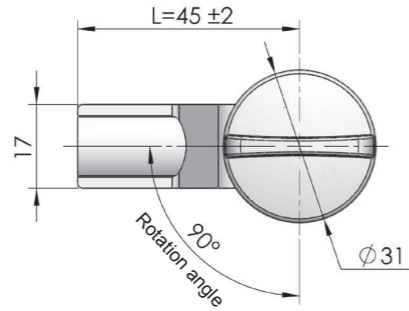
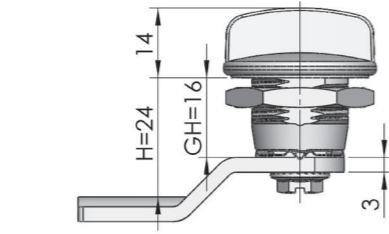


RL

Main material and finish: Bright chrome ZDC housing, black powder coated handle
Application : Quarter-turn opening or closing

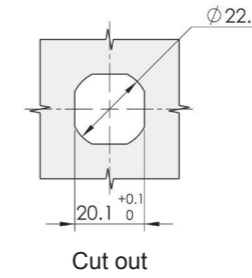
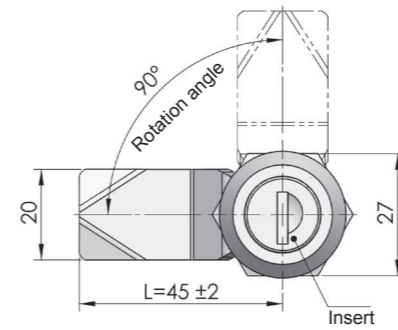
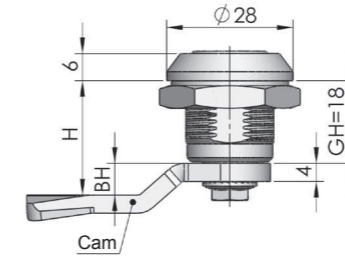
Default cam : S1V45Y08001

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP	MS705Z3A000009
-----	----------------

Remarks : Default cam S1V4508



Specification	Model	ERP
ZDC housing,insert(RH-rotation)	MS705-3E	MS705Z1A140026
ZDC housing,insert(LH-rotation)	MS705-3E-2	MS705Z3A140011
PA housing,insert(RH-rotation)	MS705-3E-F	MS705N00140007

Default cam: S1B4507 T=4 (cut out 8x8)

MS705-3E



RL

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m

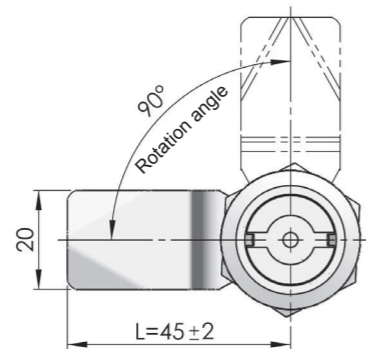
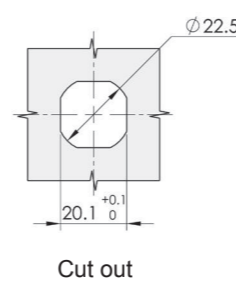
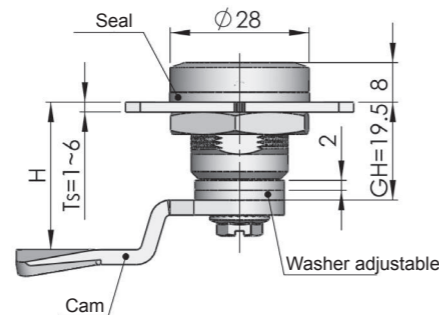
MS705-3D



RL IP54

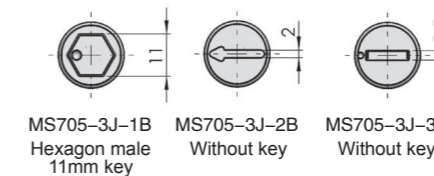
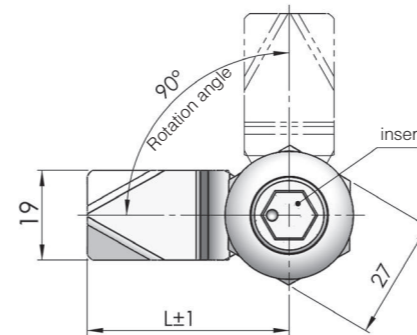
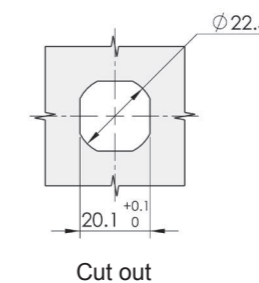
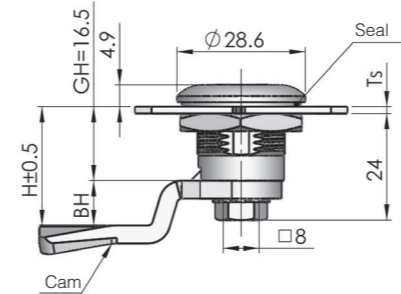
Main material and and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam
Application : Quarter-turn opening or closing
Remarks : Optional key K15-1A

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP	MS705Z2AT01018
-----	----------------

Default cam: S1B4507 (cut 8x8)



	MS705-3J-1B	MS705-3J-2B	MS705-3J-3B
ERP	MS705S4AT09001	MS705S4AT32004	MS705S4AT32003

Remarks:Default cam:S1B4507,T=4 (Optional cam8 x 8)

MS705-3J



IP55

Main material and finish : Stainless steel housing,insert,nut,screw,cam.
Application:Quarter-turn opening or closing
Remarks: Optional three insert.

ERP of Cam:S1B45Y07002

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

MS705-3U

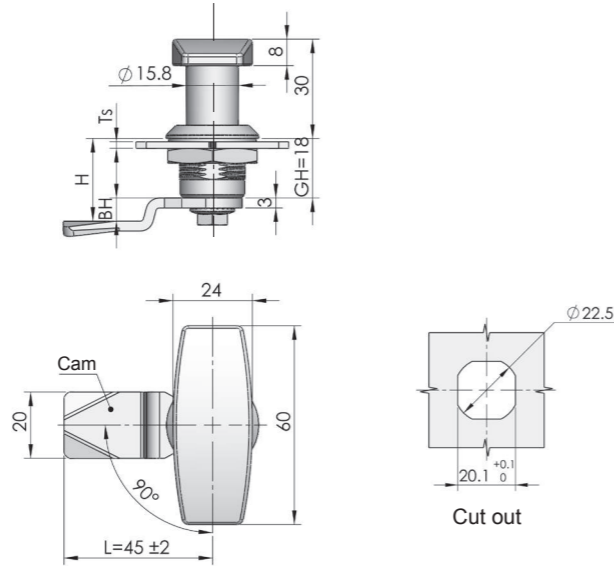


RL IP54

Main material and finish : Black powder coated ZDC housing, or black PA housing, white zinc-plated steel cam
Application : Quarter-turn opening or closing

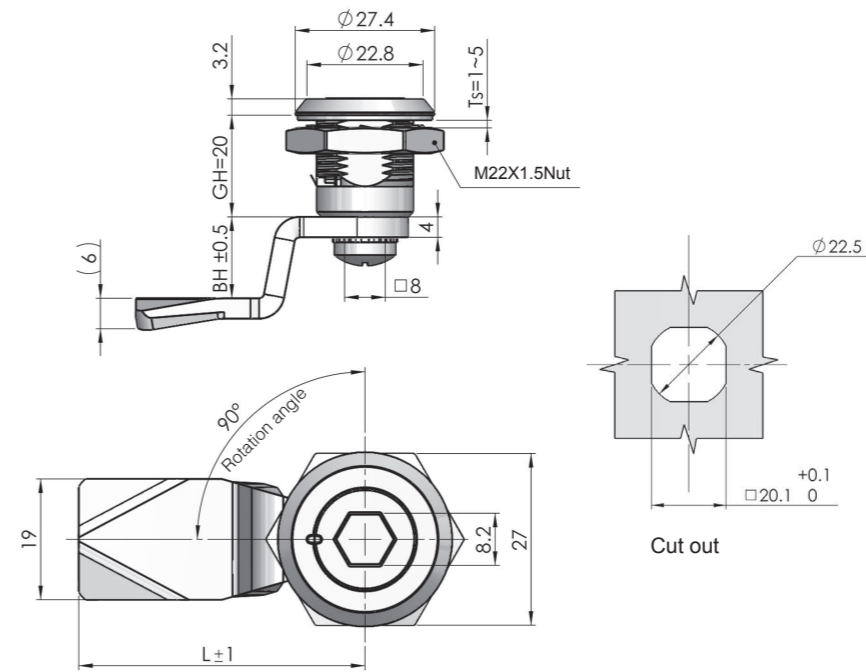
Default cam : S1B45Y07002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



Specification	ZDC housing and handle		PA housing,ZDC handle	
	Model	ERP	Model	ERP
GH=18	MS705-3U-1	MS705Z1A000028	MS705-3U-1F	MS705N00000009
GH=28	MS705-3U-2	MS705Z1A000047	MS705-3U-2F	MS705N00000008
GH=36	MS705-3U-3	MS705Z1A000048	MS705-3U-3F	MS705N00000007
GH=62	MS705-3U-4	MS705Z1A000049	MS705-3U-4F	MS705N00000010

Remarks : Default cam S1B4507 (cut out 8x8)



ERP MS705Z2AT24005

MS705-24G



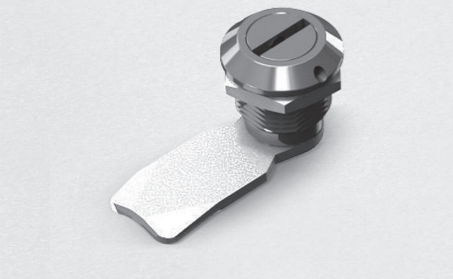
IP54

Main material and finish : Black painted ZDC housing, insert, nut, black zinc plated steel cam
Application: Quarter-turn opening or closing, with damping.

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

New product, Please consult technical department when ordering.

MS705-8G

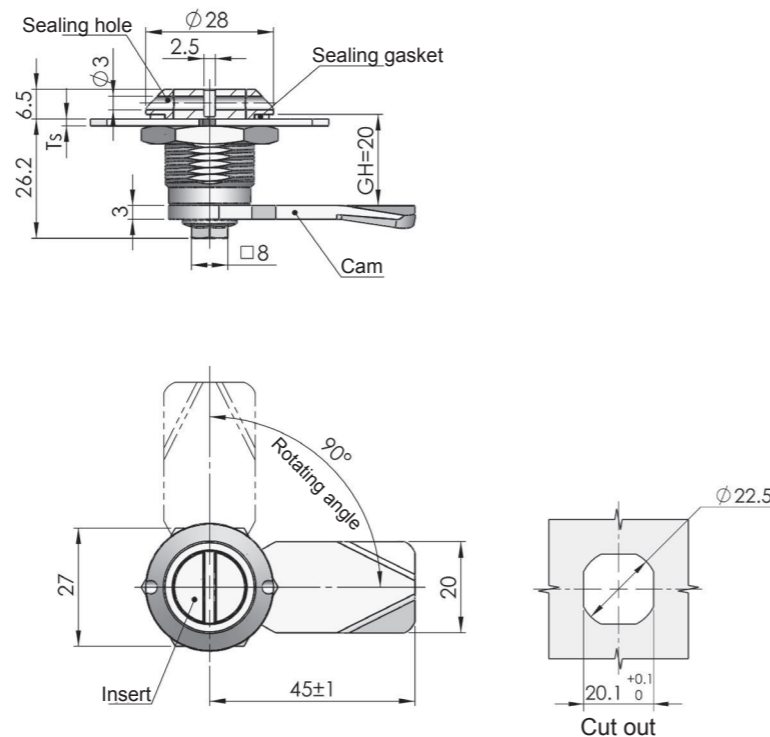


IP55

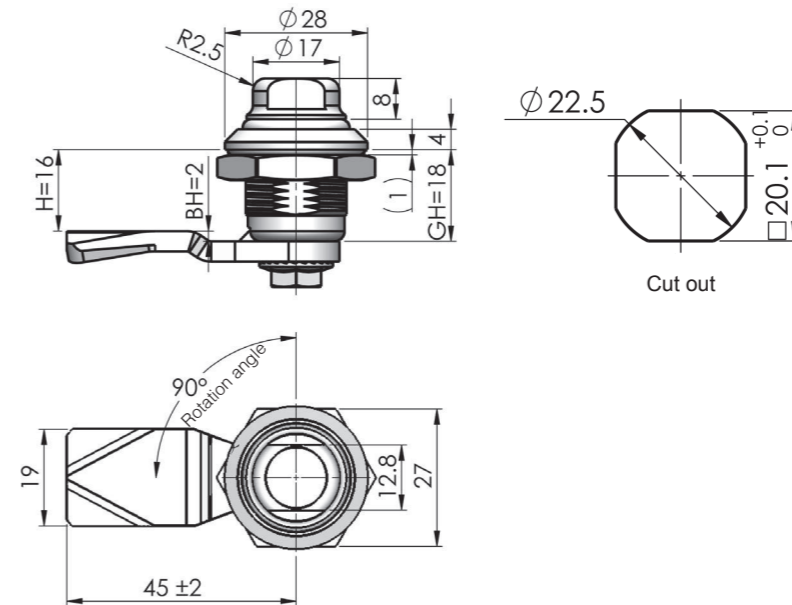
Material: ZDC housing, insert, nut and steel cam.
Finish: bright chrome housing and insert; white plated cam.
Construction: Quarter turn opening or closing

Default cam : S1B45Y00002

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP MS705Z3AT10030
Remark: Default cam S1B4500 (Cutout 8x8)



ERP MS705S00T13001

MS705-27



IP65

Main material and finish : Stainless steel 316 housing, insert, cam, screw. Cam electrolysis
Application: Quarter-turn opening or closing
Remarks: Cam is optional.

Performance parameter:
Insert rotation torque:0.5N.m-2.5N.m
Cam load capability:300N.
Maximum input torque:9N.m
Recommended nut tightening torque:20N.m

MS706



Main material and finish: Bright chrome plated ZDC housing and insert, white zinc plated steel cam

Application: Cam 180 degree rotation to open or lock

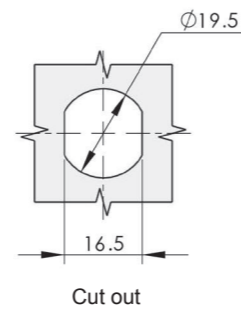
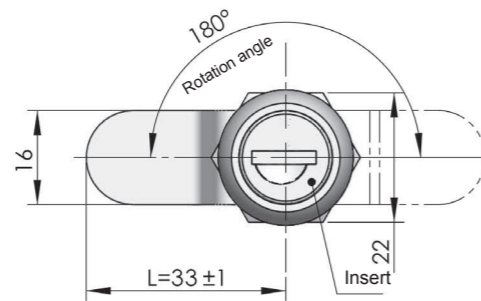
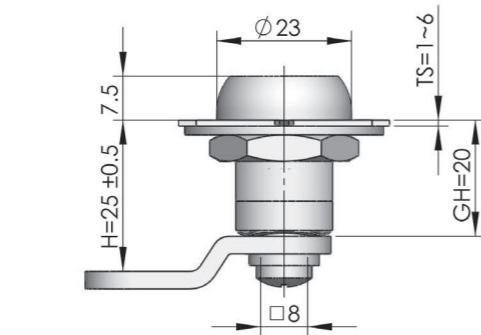
Remarks: Default key K130

Default cam : S1B33Y06002

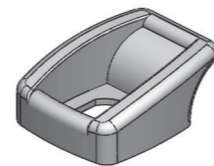
Performance parameter:

Maximum static load:100N

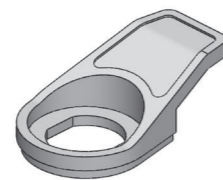
Recommended nut tightening torque:20N.m



WP003



HP002



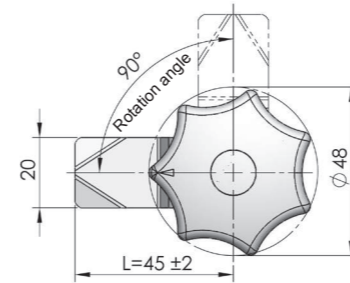
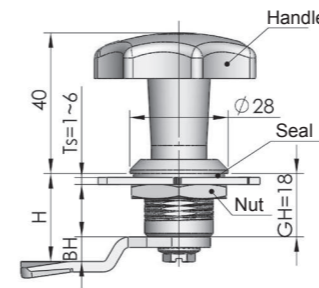
HP003



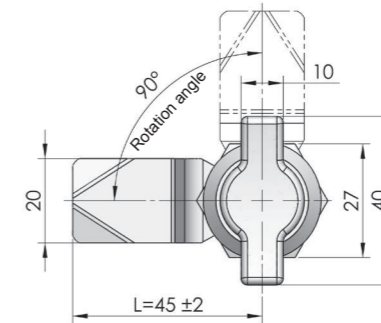
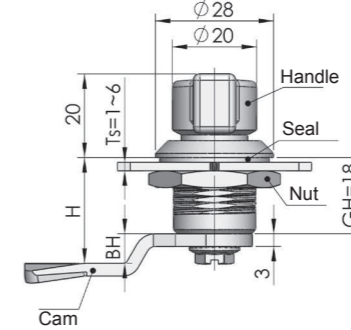
DP001

Model	ERP
MS706-1	MS706Z3A130001
MS706-2	MS706Z3A130012
MS706-3	MS706Z3A130004

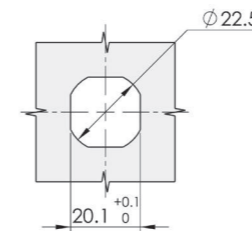
Remarks : Default cam S1B3306



MS714-1 Series



MS714-2 Series



Cut out

Specification	Knob			
	black powder coated ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-1-1	MS714Z1A000020	MS714-1A-1	MS714N00000001
GH=28	MS714-1-2	MS714Z1A000002	MS714-1A-2	MS714N00000002
GH=36	MS714-1-3	MS714Z1A000003	MS714-1A-3	MS714N00000003
GH=62	MS714-1-4	MS714Z1A000004	MS714-1A-4	MS714N00000004

Specification	Handle			
	black powder coated ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-2-1	MS714Z1A000040	MS714-2A-1	MS714N000000014
GH=28	MS714-2-2	MS714Z1A000053	MS714-2A-2	MS714N000000006
GH=36	MS714-2-3	MS714Z1A000054	MS714-2A-3	MS714N000000007
GH=62	MS714-2-4	MS714Z1A000008	MS714-2A-4	MS714N000000008

Remark: Default cam S1B4507 (cut out 8x8)

MS714-1



MS714-2



RL IP54

Main material and finish : Black powder coated ZDC housing or PA housing, PA handle, white zinc plated steel cam
Application : Quarter-turn opening or closing

MS714-2 Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m

Maximum input torque:9N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS714-3

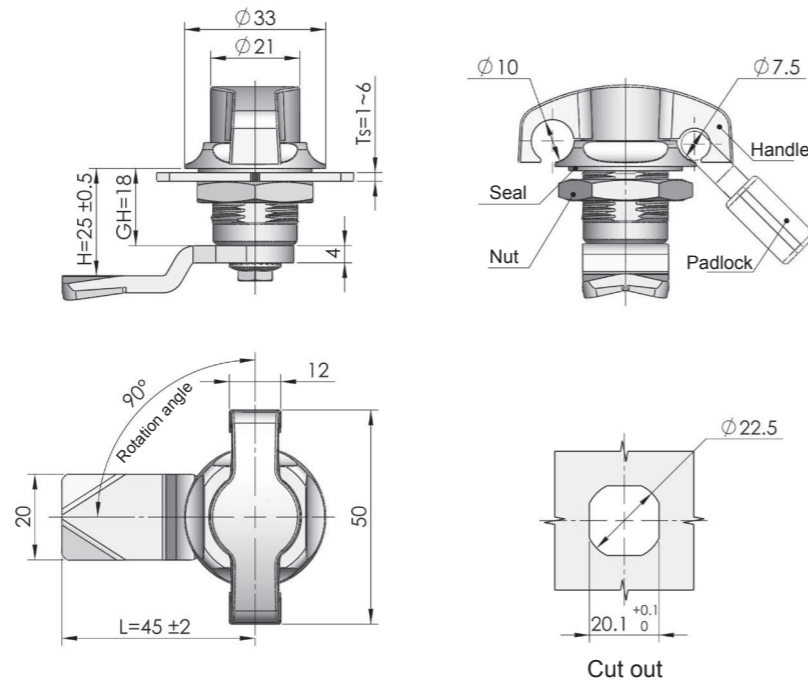
RL IP54

Main material and finish : Pocked black powder coated ZDC housing and handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

Default cam : S1B45Y07005

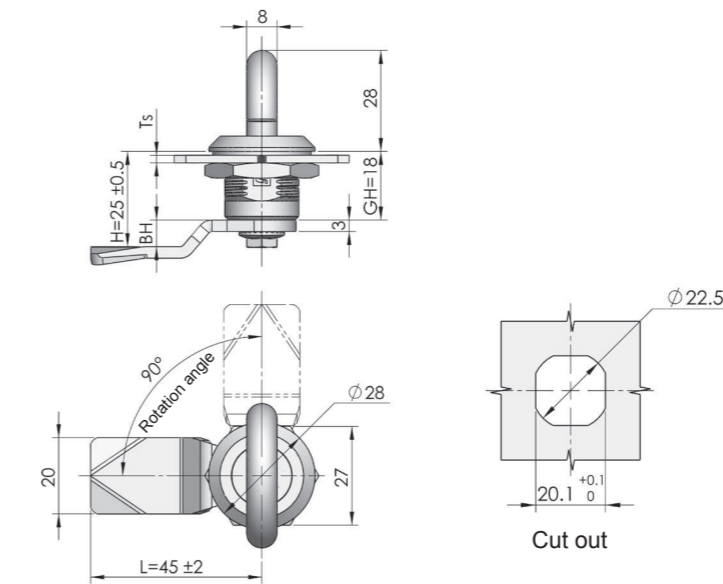
Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:18N.m



ERP MS714Z1B000007

Remark: Default cam S1B4507, T=4 (cut out 8x8)



Specification	ZDC housing, bright chrome handle	PA housing and ZDC handle
GH=18	MS715Z3A000001	MS715N00000001
GH=28	MS715Z3A000002	MS715N00000002
GH=36	MS715Z3A000003	MS715N00000003
GH=62	MS715Z3A000004	MS715N00000004

Remark: Default cam S1B4507, T=4 (cut out 8x8)



MS715

RL IP54

Main material and finish : Bright chrome-plated ZDC housing or PA housing, bright chrome plated ZDC handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

Default cam : S1B45Y07002

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:11N.m



MS714-4

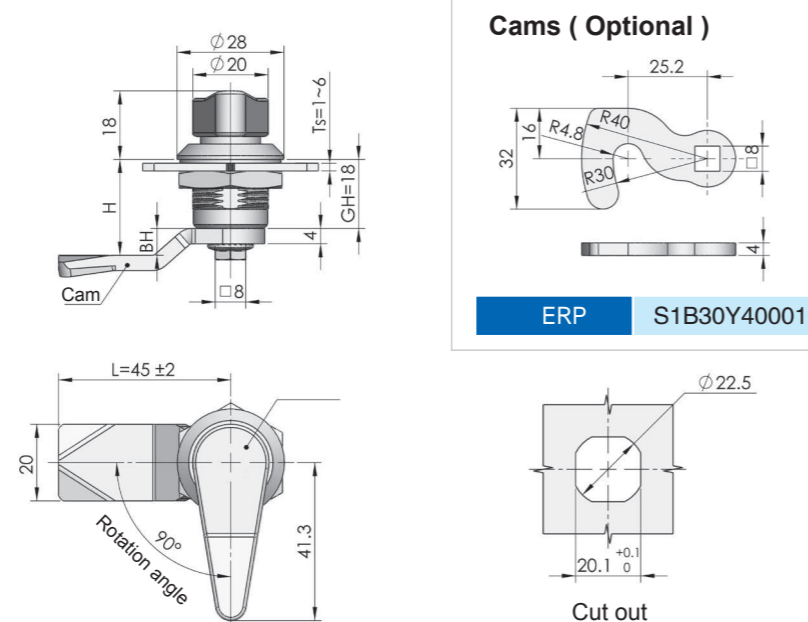
RL IP54

Main material and finish : Pocked black powder coated ZDC housing, PA handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

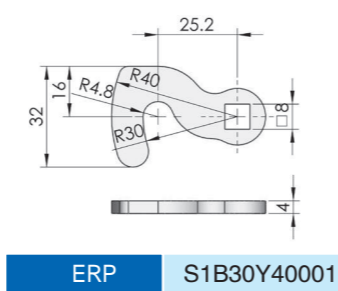
Default cam : S1B45Y07005

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:18N.m



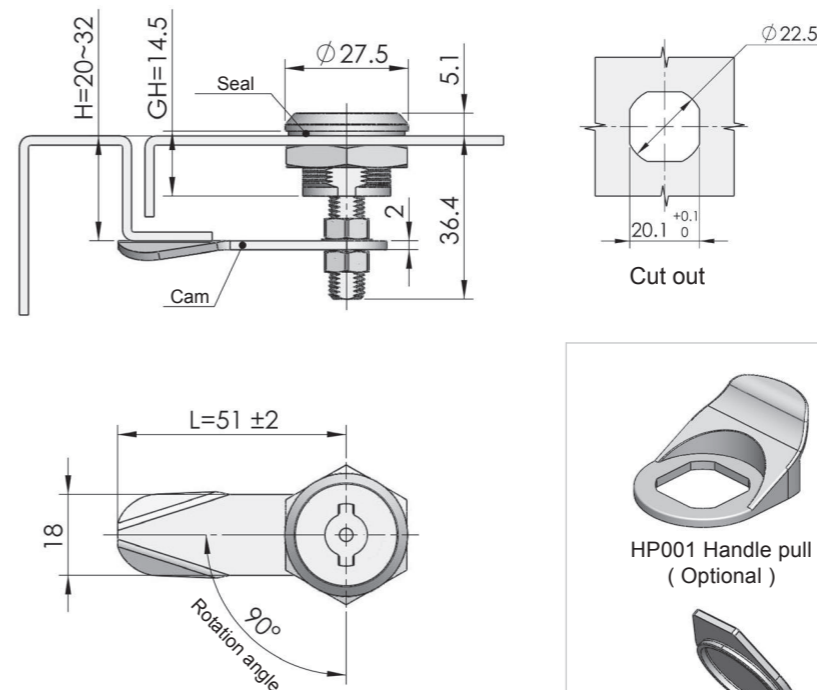
Cams (Optional)



ERP S1B30Y40001

Specification	ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-4-1	MS714Z1A000061	MS714-4A-1	MS714N00000009
GH=28	MS714-4-2	MS714Z1A000013	MS714-4A-2	MS714N00000010
GH=36	MS714-4-3	MS714Z1A000014	MS714-4A-3	MS714N00000011
GH=62	MS714-4-4	MS714Z1A000015	MS714-4A-4	MS714N00000012

Remarks : Default cam S1B4507, T=4 (cut out 8x8)



ERP MS721Z3AT01001

Remarks : Default cam S1W5100 (cut out ϕ 8x8)



HP001 Handle pull (Optional)



WP002 Water-proof cap (Optional)



MS721

Main material and finish: Bright chrome-plated ZDC housing and insert, steel cam
Application : Quarter-turn opening or closing

Default cam : S1W51Y00001

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m

MS722



RL **IP54**

Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam and insert

Application : Quarter-turn opening or closing

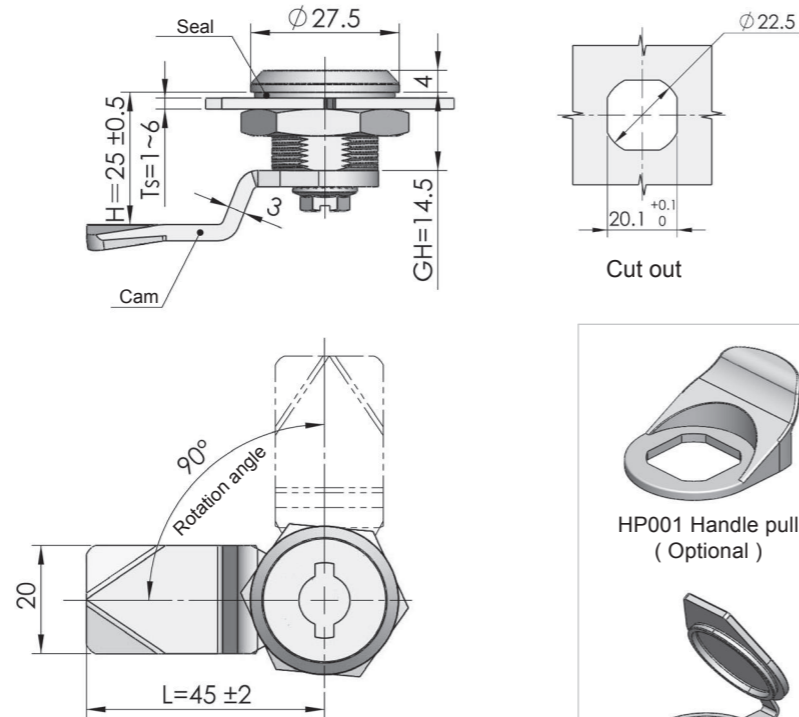
Remarks : Optional key K15-1

Default cam : S1B45Y07002

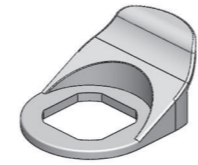
Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m



ERP MS722Z3AT01009
Remark: Default cam S1B4507, T=4 (cut out 8x8)



HP001 Handle pull (Optional)



WP002 Water-proof cap (Optional)

MS733



RL

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

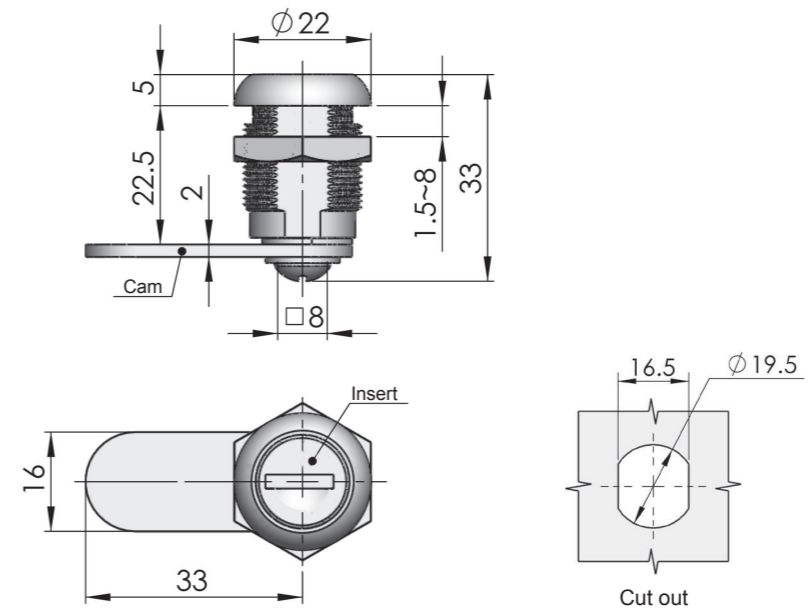
Remarks: Default key K430

Default cam : S1B33Y00005

Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m



ERP MS733Z3A430009
Remarks : Default cam S1B3300



MS729-1 MS729-2 MS729-3

RL

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

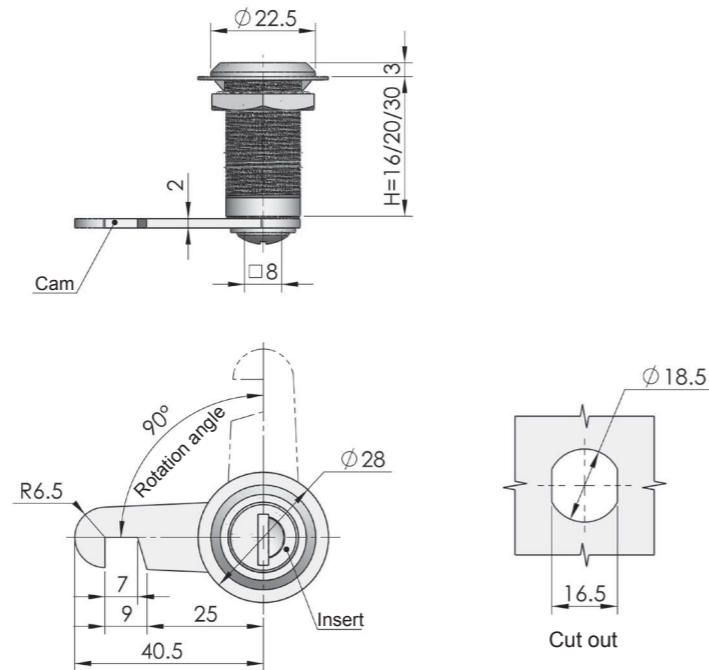
Remarks: Default key K420

Default cam : S1B40Y00001

Performance parameter:

Maximum static load:150N

Recommended nut tightening torque:20N.m



	MS729-1	MS729-2	MS729-3
ERP	MS729Z3A420022	MS729Z3A420002	MS729Z3A420017

Remarks : Default cam S1B4000

MS734



RL

Main material and finish : Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing, with function of locking

Remarks : Optional key K15-10

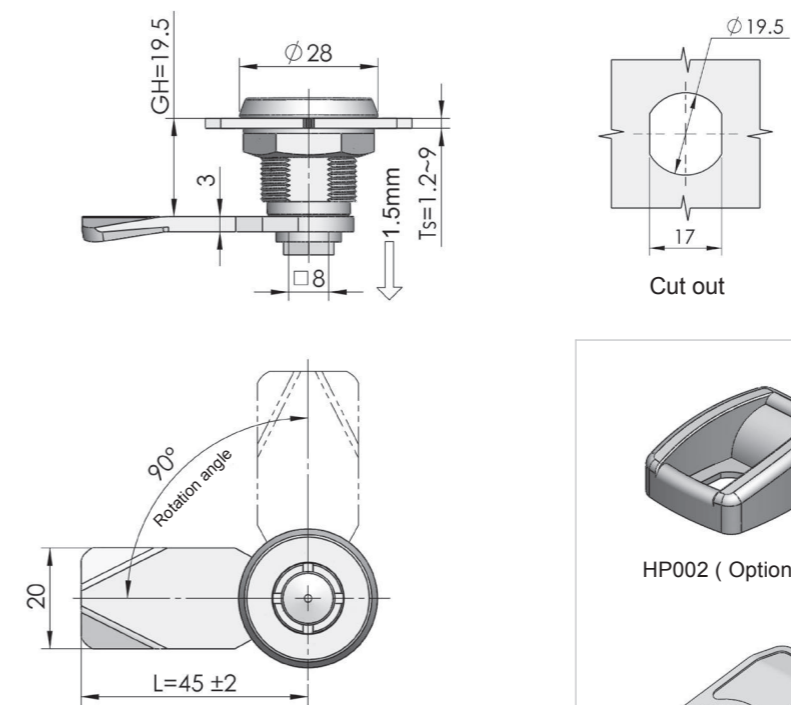
Default cam : S1B45Y00002

Performance parameter:

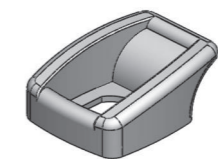
Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:8N.m



ERP MS734Z3AT12001
Remarks : Default cam S1B4500 (cut out 8x8)



HP002 (Optional)



HP003 (Optional)

MS735



Main material and finish : White zinc-plated steel lock body.

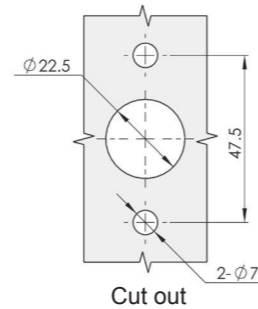
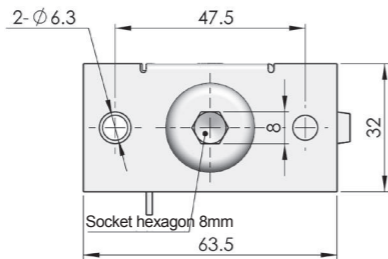
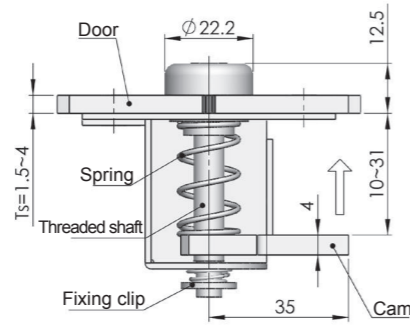
Application : Quarter-turn opening or closing, with function of locking

Default cam : S1S35Y00001

Performance parameter:

Maximum static load:160N

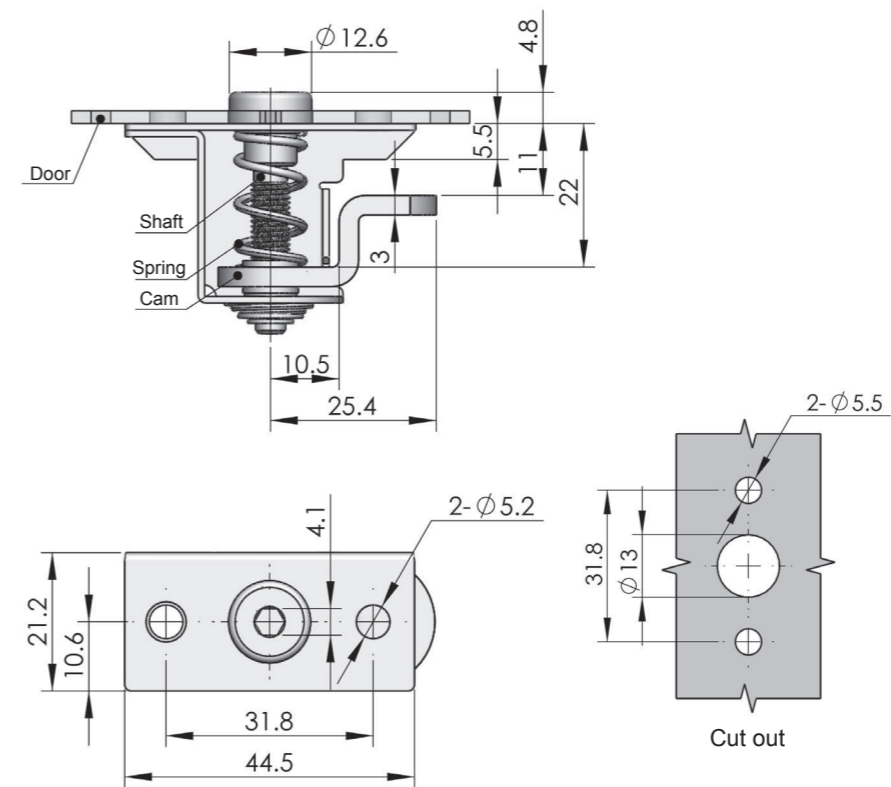
Maximum input torque:11N.m



ERP

MS735F3D000002

Remarks : Default cam S1S3500



MS735-4



Main material and finish: White zinc-plated steel lock body

Application: Quarter-turn opening or closing, cam adjustable

Default cam : S1S25Y11001

Performance parameter:

Maximum static load:280N

MS735-2



Main material and finish : Trivalent zinc-plated steel lock body.

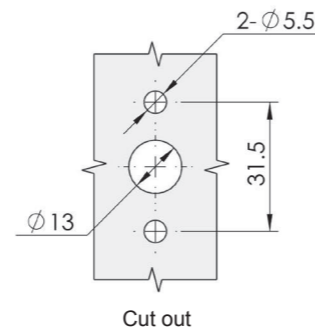
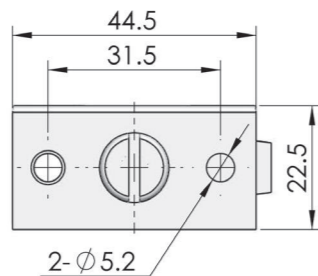
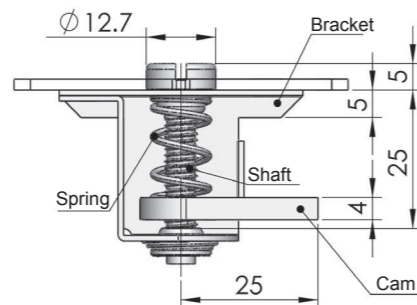
Application : Quarter-turn opening or closing

Default cam : S1S25Y00001

Performance parameter:

Maximum static load:160N

Maximum input torque:11N.m

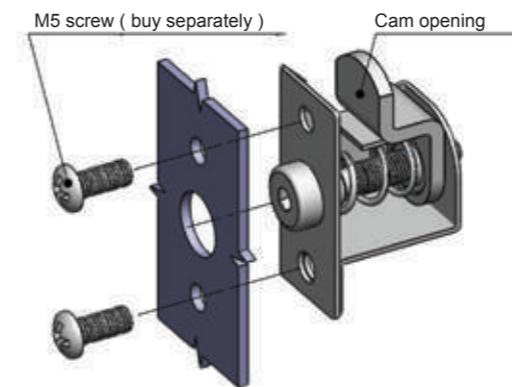


ERP

MS735F3E000001

Remarks : Default cam S1S2500

Example of assembling



ERP

MS735F3D000001

Remarks : Default cam S1S2511

MS741



R

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc plated steel cam

Application: Quarter-turn opening or closing, with function of locking automatically

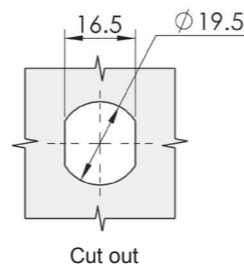
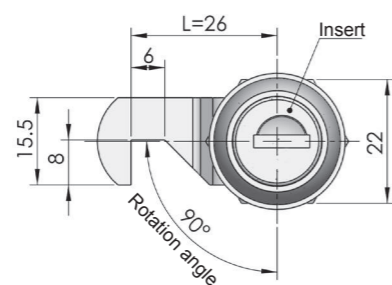
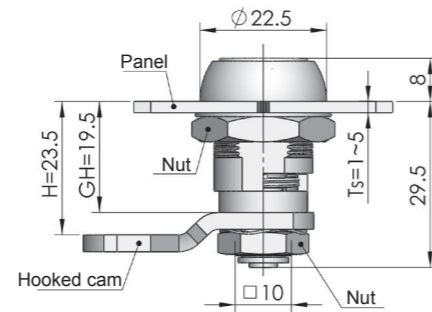
Remarks: Default key K160

Default cam : S1C32Y04001

Performance parameter:

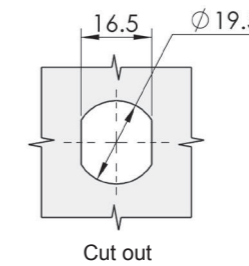
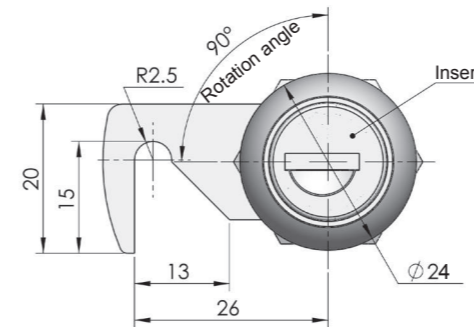
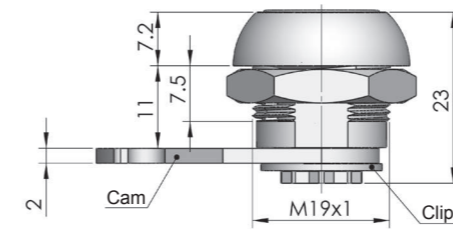
Maximum static load:140N

Recommended nut tightening torque:20N.m



ERP MS741Z3A160001

Remarks : Default cam S1C3204



ERP MS743Z3A282001

Remarks : Default cam S1B3000 (cut out 8x8)

MS743



IP40

Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K282

Default cam : S1B30Y00006

Performance parameter:

Maximum static load:140N

Recommended nut tightening torque:20N.m

MS742



R L

Main material and finish: White zinc-plated steel housing cam and shaft , PA cap

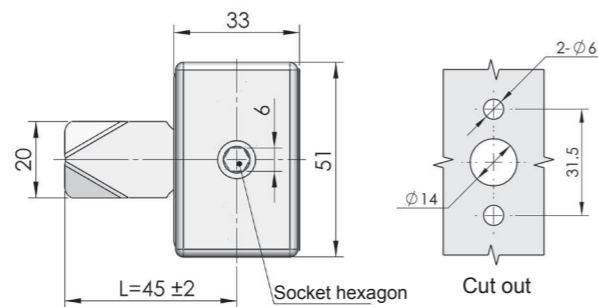
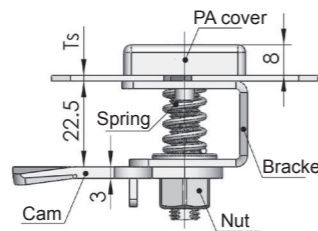
Application: Quarter-turn opening or closing

Default cam : S1K45Y00001

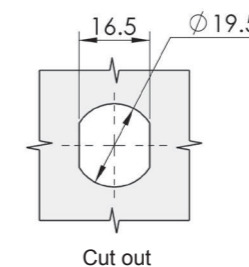
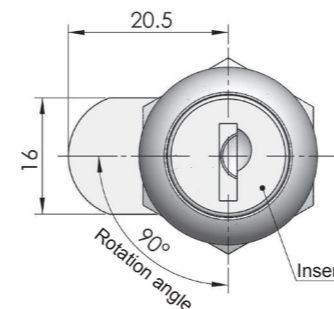
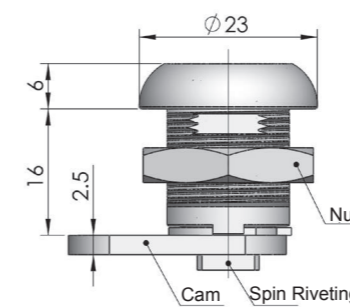
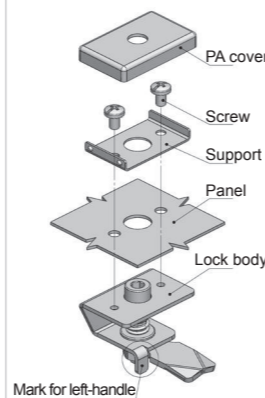
Performance parameter:

Maximum static load:140N

Maximum input torque:4N.m



Exploded view



ERP MS744Z3D160002

Remarks : Default cam S1B2000 (cut out 8x8)

MS744



RL IP40

Main material and finish: White zinc-plated ZDC housing and steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K160

Default cam : S1B20Y00001

Performance parameter:

Maximum static load:130N

Recommended nut tightening torque:20N.m

Specification	Model	ERP
Close from left rotation	MS742-Z	MS742F3D000001
Close from right rotation	MS742-Y	MS742F3D000002

Remarks : Default cam S1K4500

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

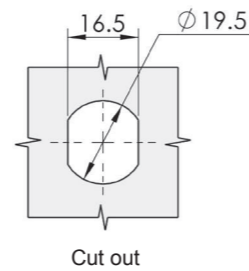
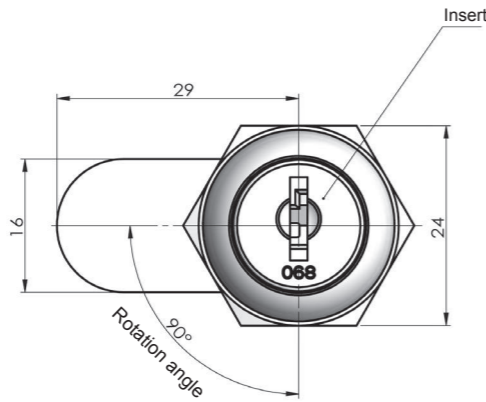
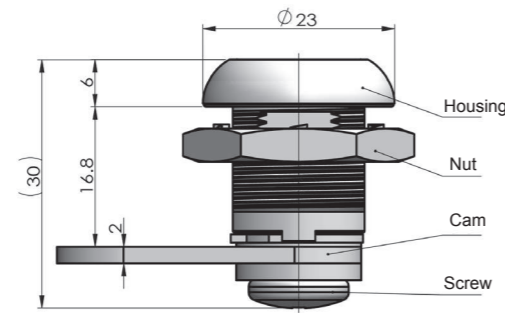
MS744-3



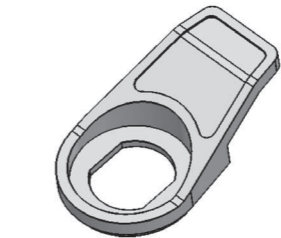
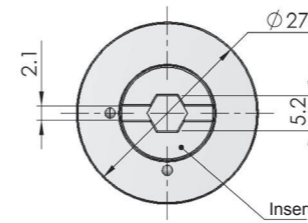
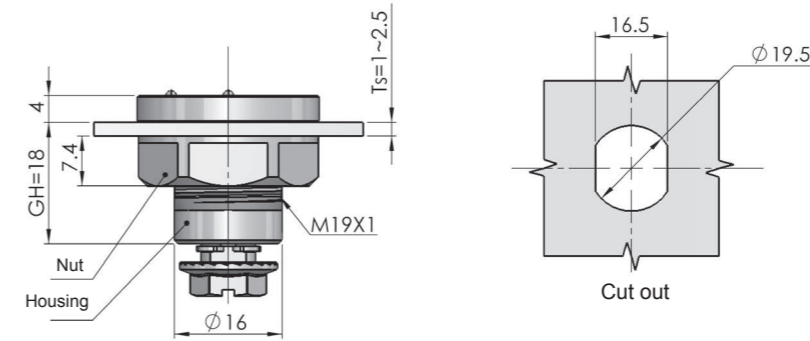
IP54

Main material and finish: ZDC housing, insert, white zinc plated steel cam
Application: Quarter-turn opening or closing
Remarks: Default key K28-5

Performance parameter:
Maximum static load: 140N
Recommended nut tightening torque: 20N.m



ERP	MS744Z3A280001
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HP003Handle pull(optional)

	With insert	Without insert
ERP	MS745N00T10001	MS745N00T10002

MS745-4



IP54

Main material and finish: PA housing and nut, Wire-drawing polishing stainless steel insert, check ring, screw
Application: Inner with positioning structure, 90° rotation, with damping.
Remarks: Default key K170

Performance parameter:
Maximum static load : 100N
Recommended nut tightening torque: 20N.m

MS745-1

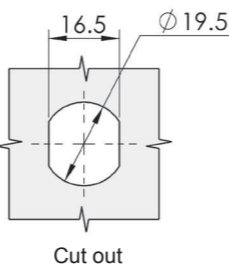
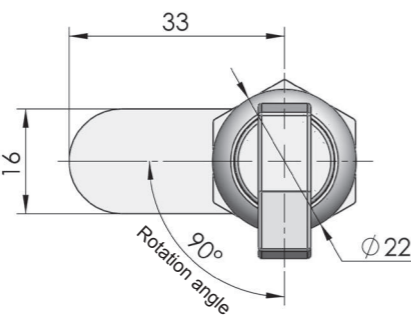
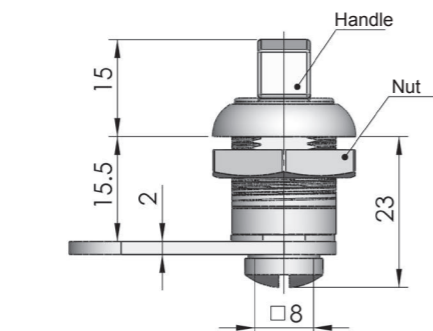


MS745-2

RL IP40

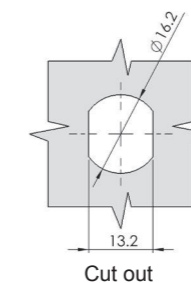
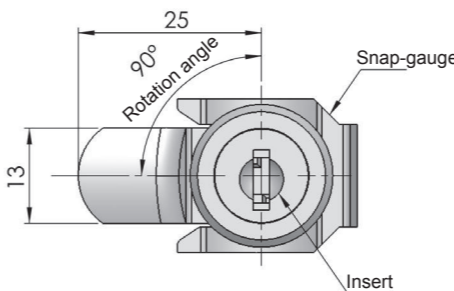
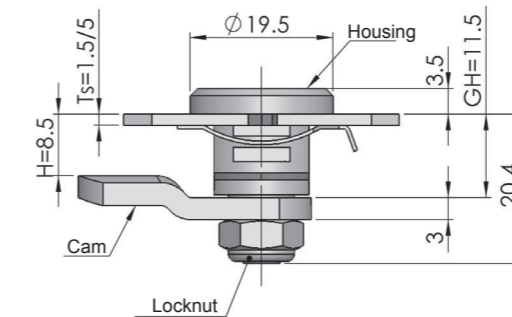
Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam
Application: Quarter-turn opening or closing
Remarks: Default key K080
Default cam : S1B33Y00005

Performance parameter:
Maximum static load: 160N
Recommended nut tightening torque: 20N.m
Maximum input torque: 40N.m (Rotation type)



Specification	Model	ERP
With insert	MS745-1	MS745Z3A080001
Knob	MS745-2	MS745Z3A000001

Remarks : Default cam S1B3300



ERP	MS746Z1B400001
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MS746-2



Material and finish: Pocked black powder coated ZDC housing and insert, white zinc plated steel cam
Remarks: Default key K40

Performance parameter:
Maximum static load: 140N
Recommended nut tightening torque: 20N.m

MS748



RL IP54

Main material and finish: Black powder-coated ZDC housing, handle and insert, white zinc plated steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K160

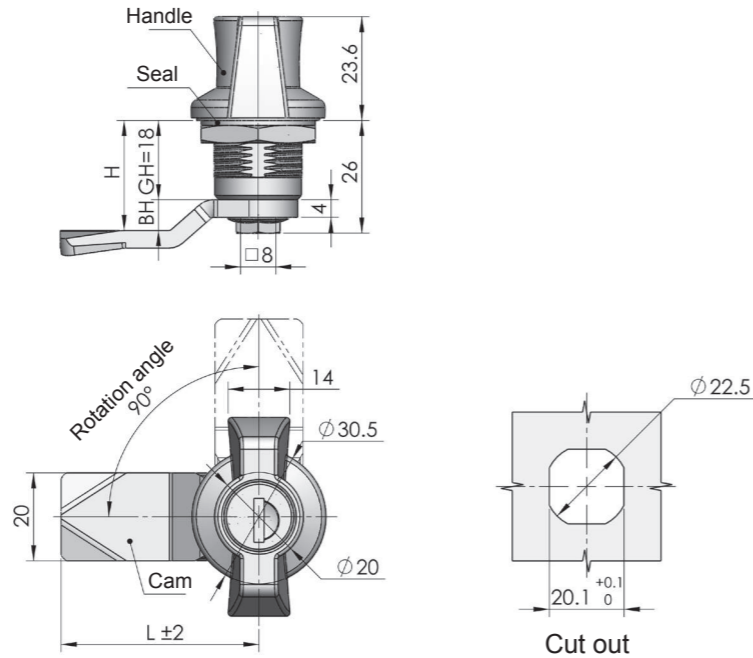
Default cam : S1B45Y07002

Performance parameter:

Maximum static load:270N

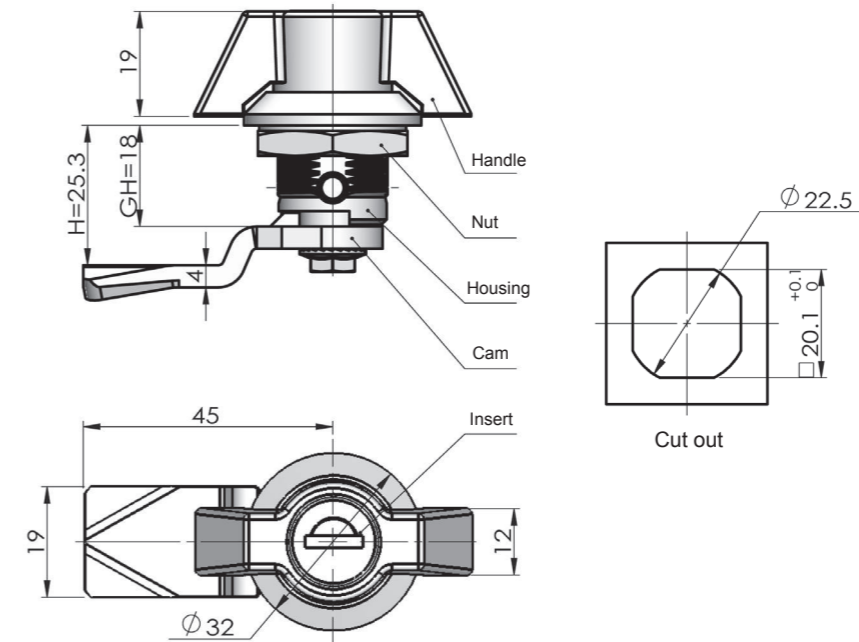
Recommended nut tightening torque:20N.m

Maximum input torque:30N.m



Black powder coated housing		Bright chrome-plated housing	
Model	ERP	Model	ERP
MS748-1	MS748Z1A040005	MS748-1	MS748Z3A160009
MS748-2	MS748Z1A160011	MS748-2	MS748Z3A160002

Remarks : Default cam:S1B4500 (cut out 8x8)



ERP	MS748Z2C160001
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MS748-3B



Main material and finish:Pocked black powder coated ZDC housing, insert, handle, stainless steel cam(Passivation +electrophoresis paint).

Application:Quarter-turn opening or closing

Remarks:Default insert L1C0160,Key K16

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m

MS748-3/3A



IP65

Main material and finish: Pocked black powder coated ZDC housing,PA handle,White zinc plated steel cam.

Application:quarter-turn opening or closing

Remarks:Default key K190

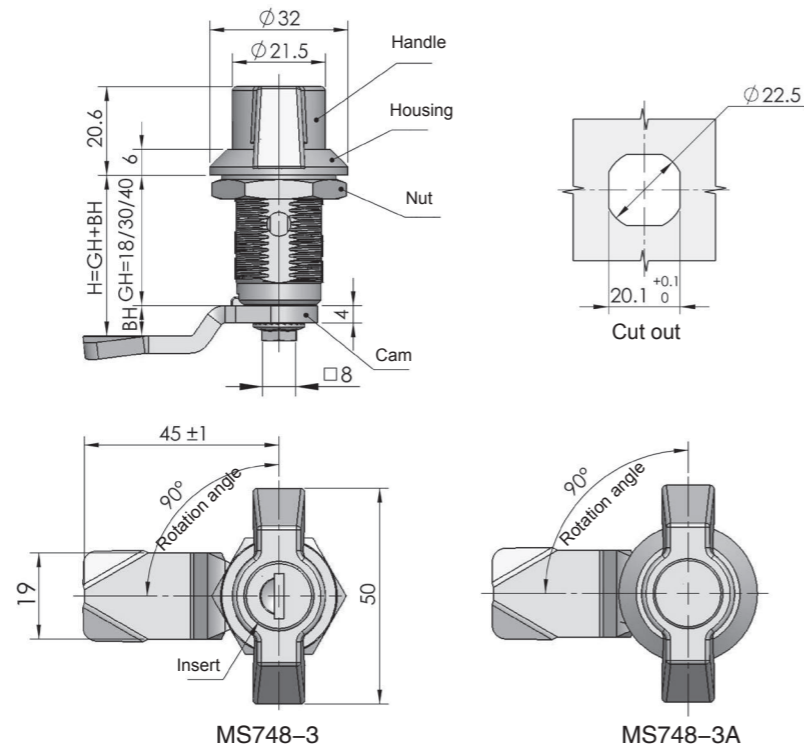
Default cam : S1B45Y07019(Default)

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m



	MS748-3	MS748-3A
ERP	MS748Z1B190002	MS748Z1B000006

Remarks:Default cam DS1B4507 T=4 (Optional cam 8 × 8)

MS748-4



Main material and finish:Black painted ZDC housing,handle,white zinc plated nut.

Application:Without insert,quarter-turn opening or closing.Automatic return after release.

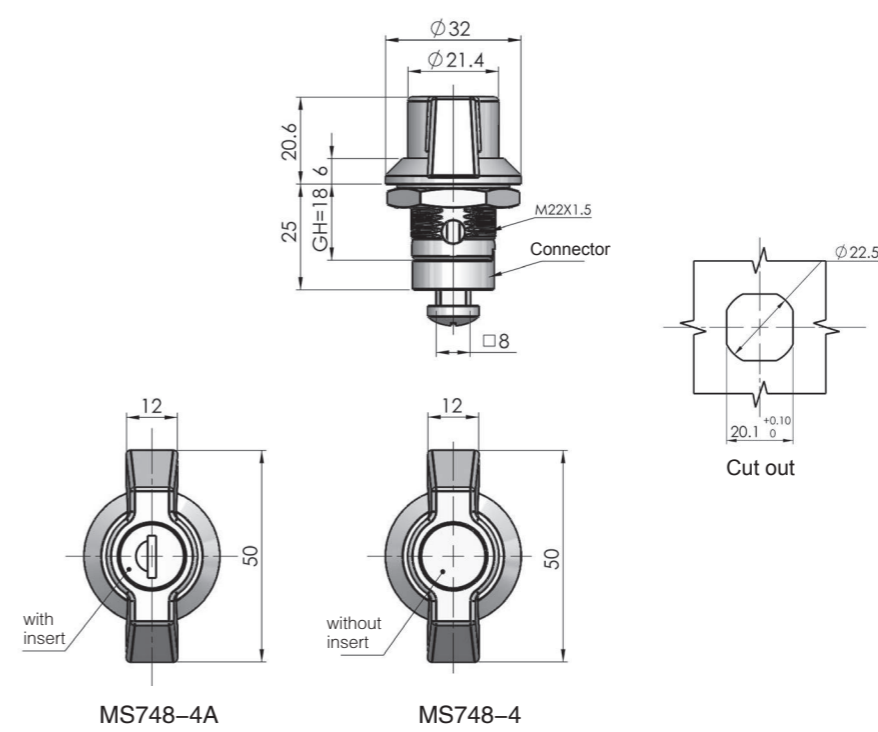
Remarks:Default key K190

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m



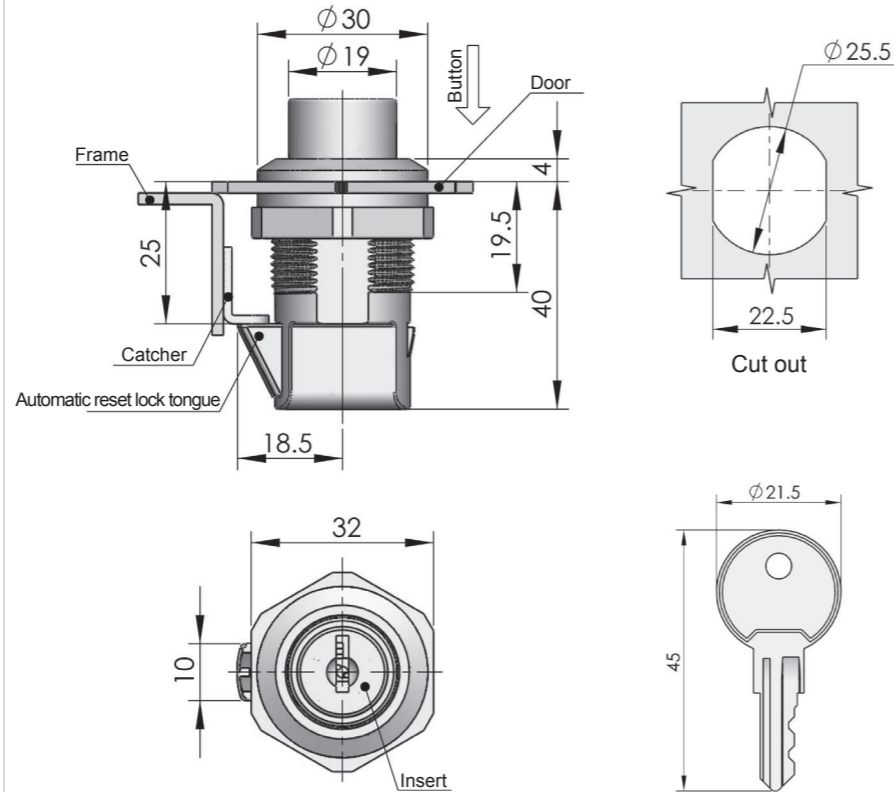
	MS748-4
ERP	MS748Z2A000001

MS753



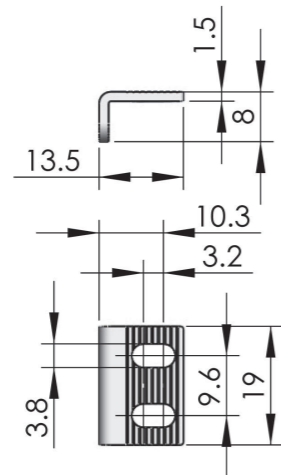
Main material and finish: Black PC housing, insert, shaft pipe and lock tongue
Application: Automatic locked push type
Remarks: Default key K160

Performance parameter:
Maximum static load:240N



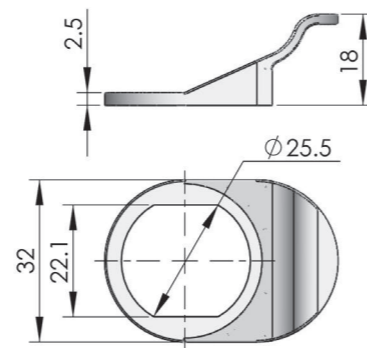
ERP MS753N00160001

Catcher (Optional)

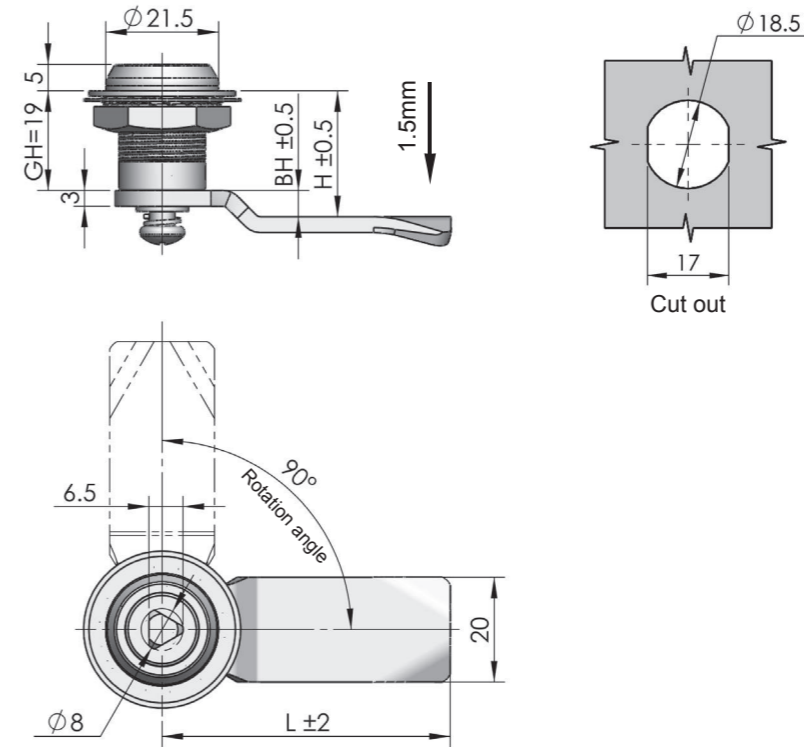


ERP 3658250001

Handle pull (Optional)



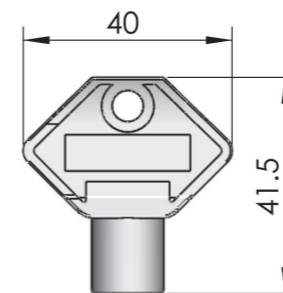
ERP 1150050002



ERP MS754Z3AT14001

Remarks : Default cam S1B4502 (cut out 8x8)

Optional key



ERP 3290153005

MS754



Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated ZDC insert and steel cam

Application: Automatic locked quarter-turn to open or close

Remarks: Optional key K15-12F

Default cam : S1B45Y02005

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:10N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

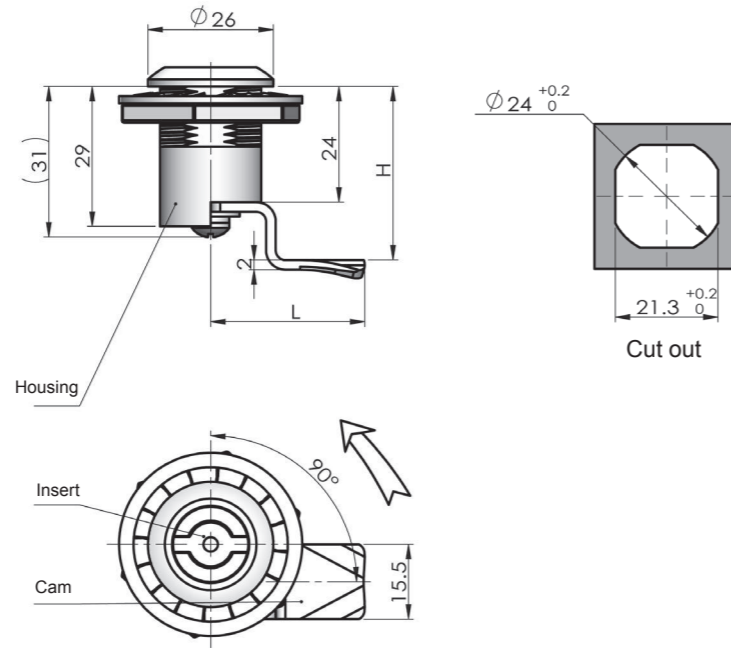
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS755



Main material and finish: Pocked black powder coated ZDC handle, housing, Color-zinc plated steel cam
Application: Quarter-turn opening or closing

Performance parameter:
Maximum static load:200N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



Item	H	L	Cam ERP	ERP
2	36	32	S1A32Y12001	MS755Z1BT01001
1	43	34	S1A34Y19001	MS755Z1BT01004

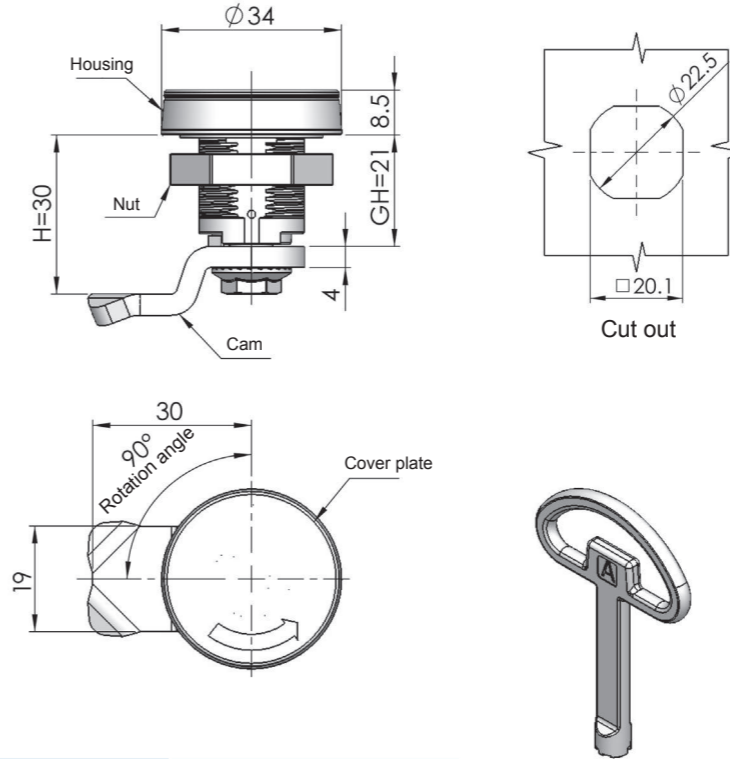
MS758



RL

Main material and finish: Bright chrome plated ZDC housing, cover plate, insert, nut and key Stainless steel marble, cam and screw.
Remarks: Three types key, A, B, C

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP	MS758Z3AE04001
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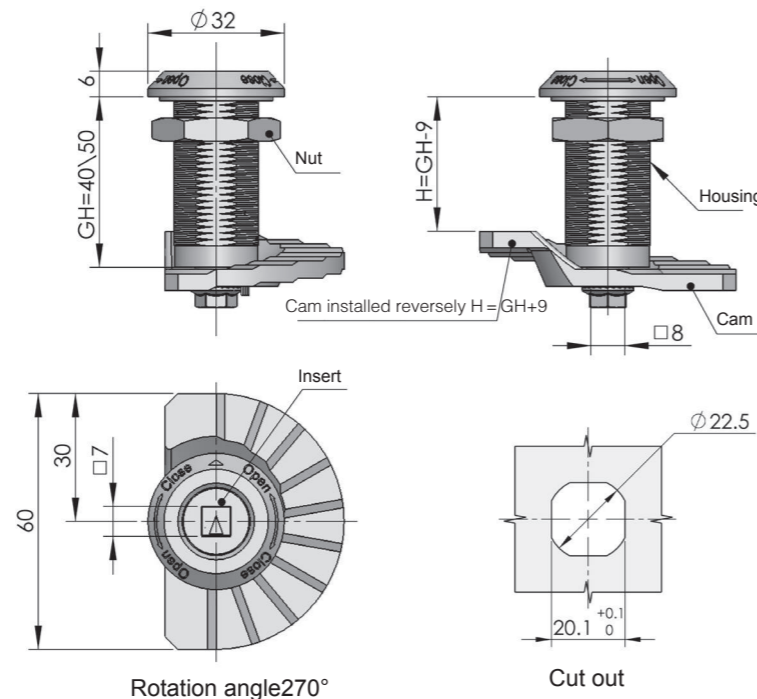
MS756



RL IP54

Main material and finish: Bright chrome plated ZDC housing, insert and cam
Application: Insert rotated 270° to open.
Remarks: Optional key K15 series, Cam can be installed opposite.

Performance parameter:
Maximum static load:300N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



Model	ERP
MS756-H40	MS756Z3AT06006
MS756-H50	MS756Z3AT06007

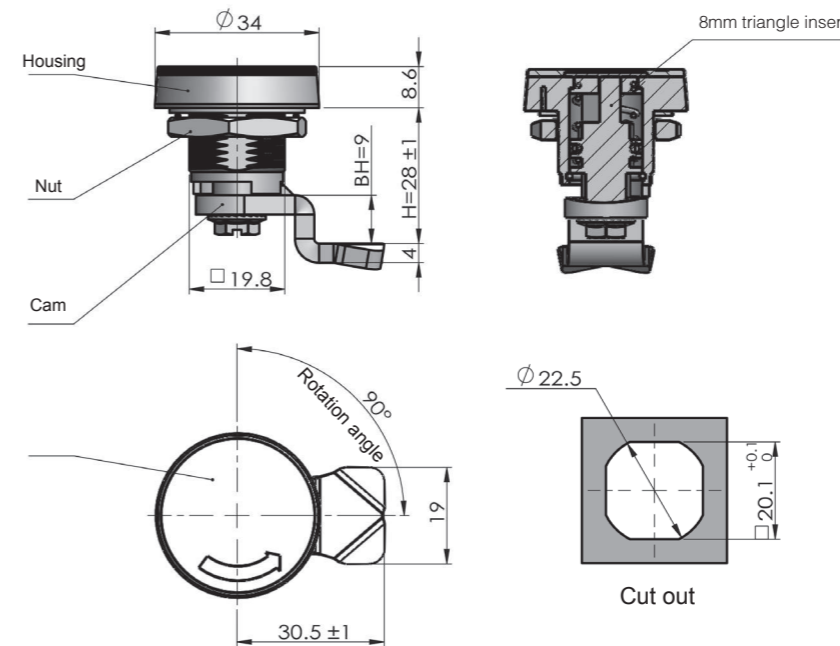
MS758-2



RL

Main material and finish: Bright chrome plated ZDC housing, insert, cover plate, Passivated stainless steel cam
Application: Quarter-turn opening or closing
Remarks: 8mm triangle insert can fit tool type key

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP	MS758Z3AT04001
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MS760



RL **IP54**

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

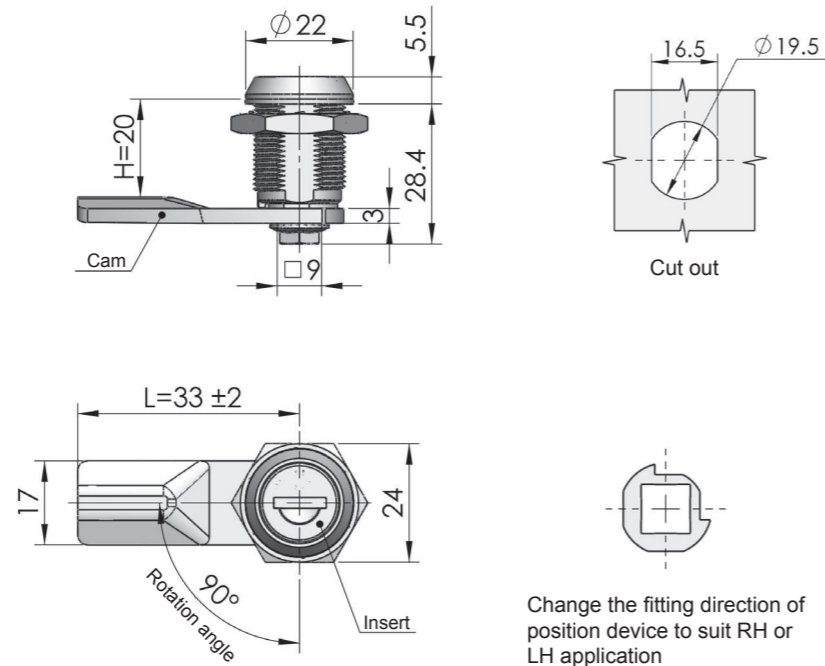
Remarks: Default key K160

Default cam : S1V33N02001

Performance parameter:

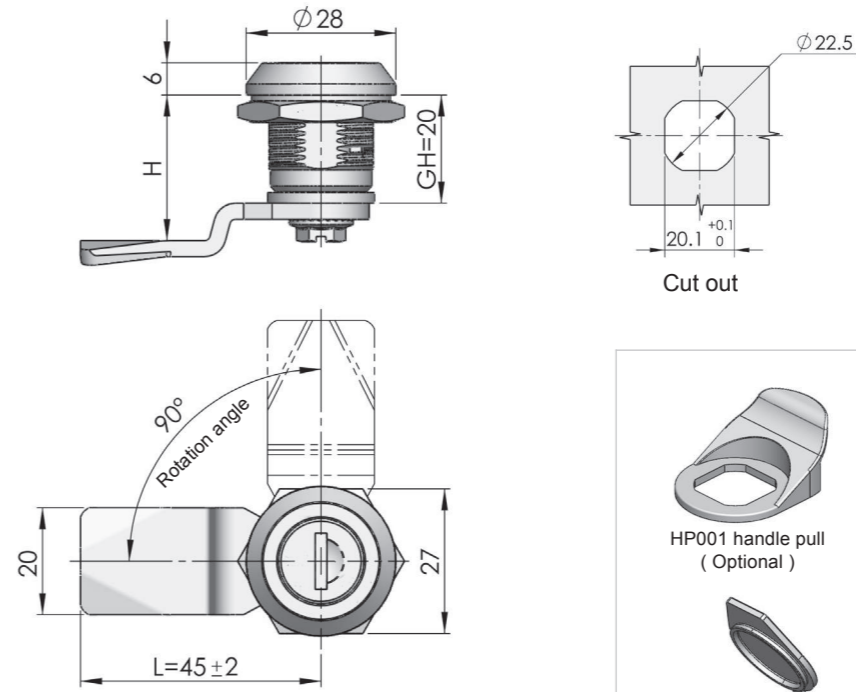
Maximum static load:230N

Recommended nut tightening torque:20N.m

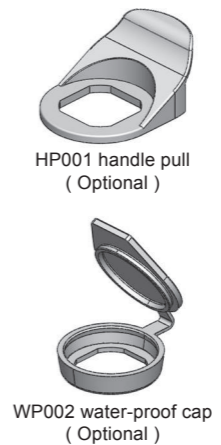


ERP MS760Z3A160001
Remarks : Default cam S1V33N02

Change the fitting direction of position device to suit RH or LH application



ERP MS762Z3A160002
Remarks : Default cam S1B4507 (cut out 8x8)



MS762



RL

Main material and finish : Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing

Remarks : Default key K160

Default cam : S1B45Y07002

MS761



RL

Main material and finish : Bright chrome-plated ZDC housing and steel insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing, with function of locking

Remarks : Optional key K15-04A

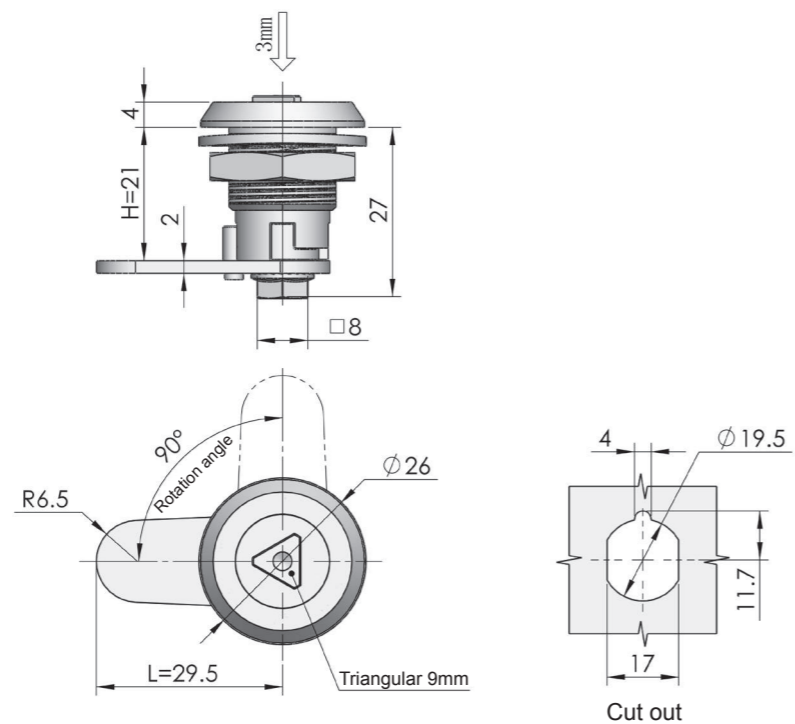
Default cam : S1B29Y00005

Performance parameter:

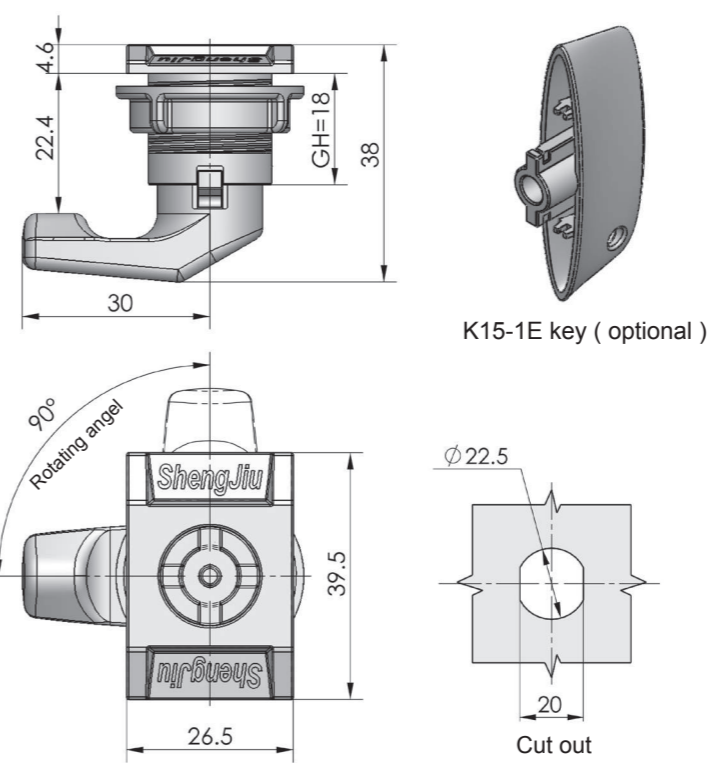
Maximum static load:92N

Recommended nut tightening torque:20N.m

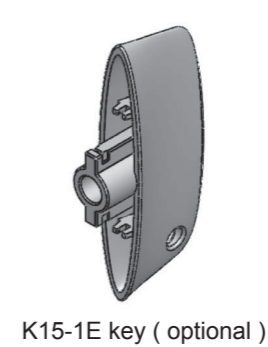
Maximum input torque:6N.m



ERP MS761Z3AT04001
Remark: Default cam S1B2900



ERP MS769N00T01001



MS769-3



IP55

Material and finish: Plastic housing, insert and nut

Application: Quarter turn opening or closing

Performance parameter:
Maximum static load:80N

MS769-1



MS769-2

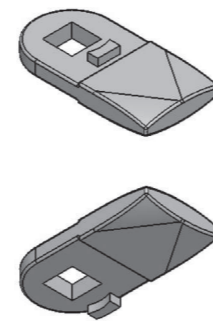
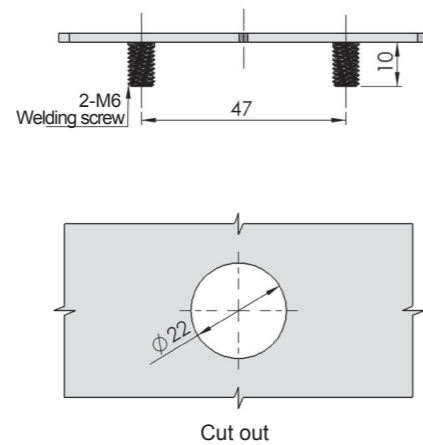
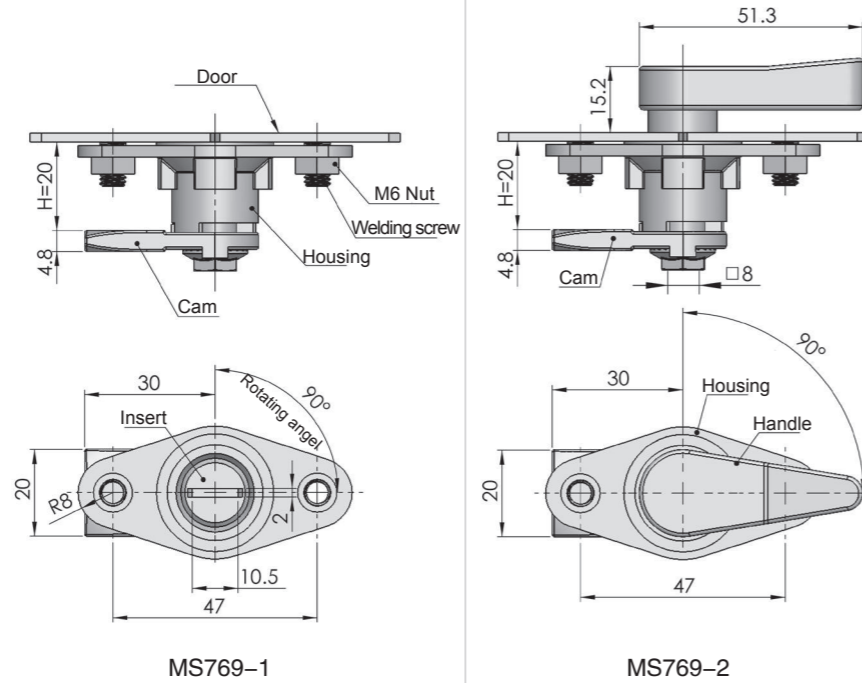


IP55

Material and finish: White zinc plated ZDC housing, cam and steel screw, stainless steel insert, ZDC plastic-covered handle

Default cam : S1B30Y00004

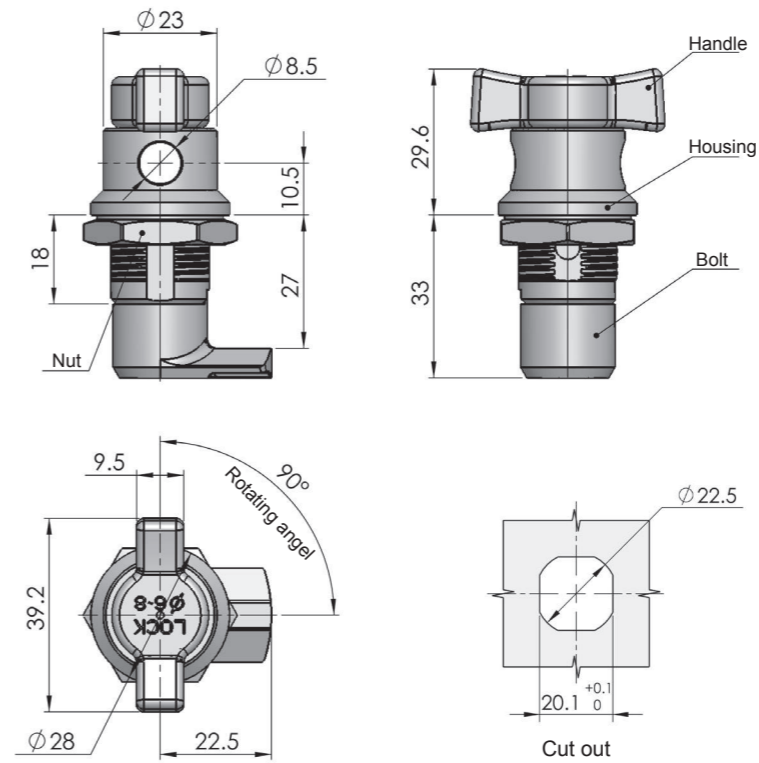
Performance parameter:
Maximum static load:270N



Cam can be reversely installed, and rotating angel exceeds 90°

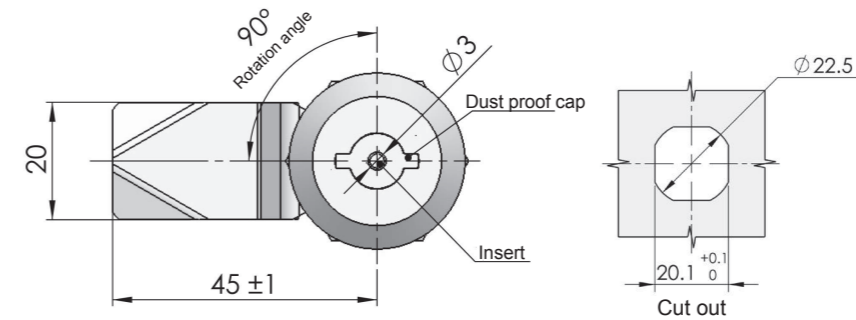
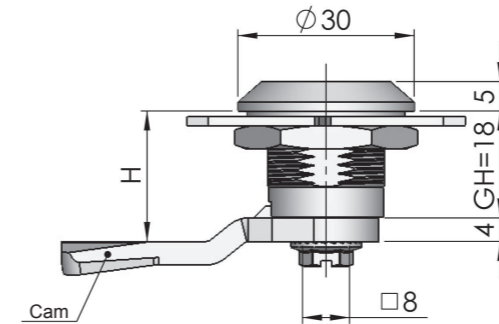
	MS769-1	MS769-2
ERP	MS769Z3DT10001	MS769Z3D000001

Remrks: Default cam S1B3000



ERP MS772Z1D000001

Remark: Default cam S1B4502 T=4 (cut out 8x8)



ERP MS773Z2AT01001

Remarks : Default cam DS1B4504, T=4 (cut out 8x8)

MS772



RL IP54

Main material and finish: Blue gray powder coated (RAL 7012) ZDC housing, PA handle, white zinc-plated steel cam
Application: Camstop quarter-turn opening or closing, padlockable

Default cam : S1B45Y02015

Performance parameter:
Maximum static load:970N
Recommended nut tightening torque:20N.m

MS773



RL IP55

Main material and finish: Bright chrome plated ZDC housing, dust-proof cap and insert; white zinc plated ZDC nuts, white zinc plated steel cam and screw.
Remark: Default key K15 double bit key

Default cam : S1B45Y04008

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS773-3



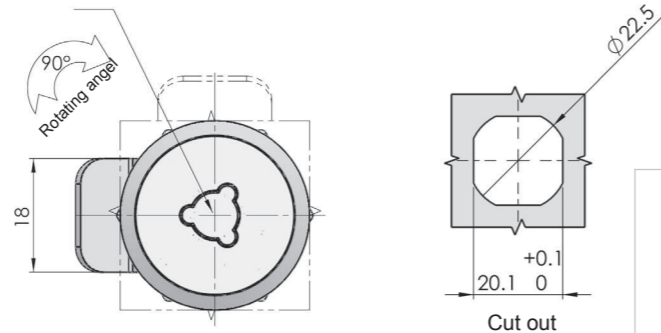
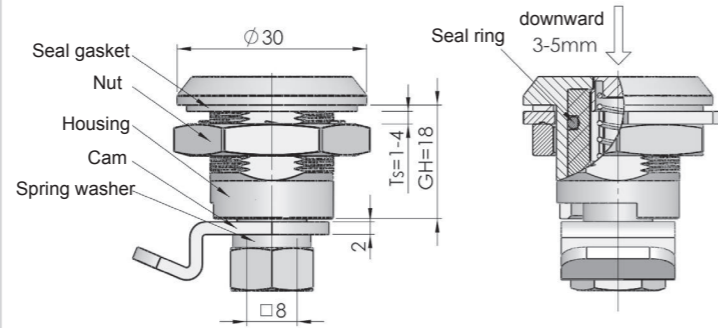
IP55

Main material and finish: Bright chrome plated ZDC housing, cap and insert, White zinc plated steel cam.

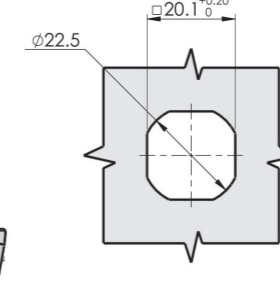
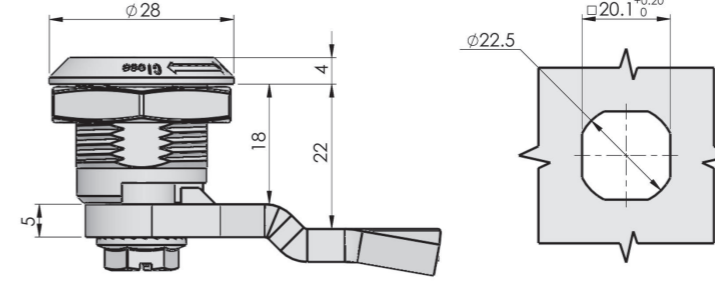
Application: Press cap, rotated insert to opening or closing.

Performance parameter:

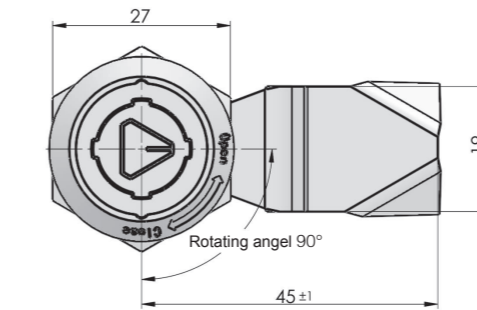
Maximum static load: 200N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m



ERP MS773Z3AT07001



Cut out



ERP MS773Z3AT04002

MS773-5



Main material and finish: Bright chrome plated ZDC housing, white-zinc plated steel cam.

Application: Insert quarter-turn to opening or closing.

Remarks: Default key K15

Default cam: S1B45Y04027

Performance parameter:

Maximum static load: $\leq 270N$
Recommended nut tightening torque: 20N.m

NEW

MS773-4



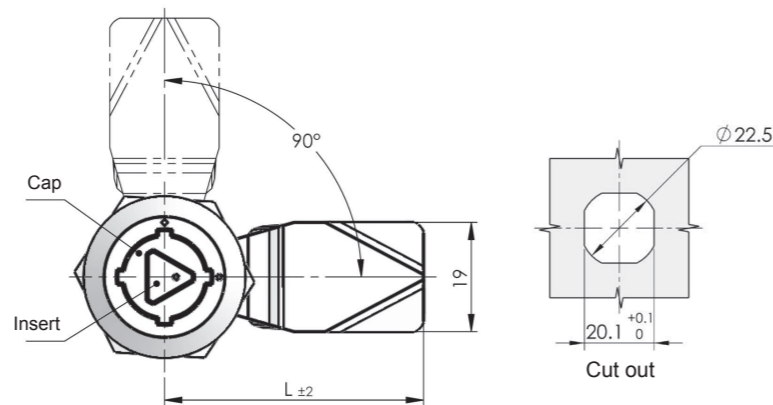
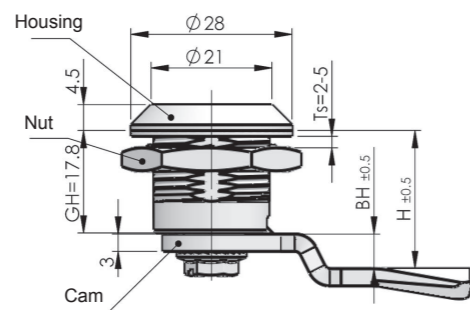
IP55

Main material and finish: Bright chrome plated ZDC housing, insert and cap, white zinc plated ZDC nuts, White zinc plated steel cam.

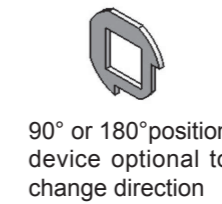
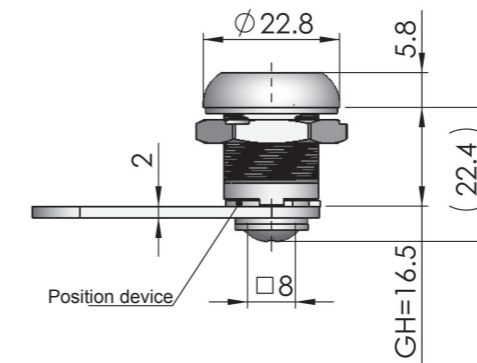
Application: Press cap, rotated insert 90° to opening or closing.

Performance parameter:

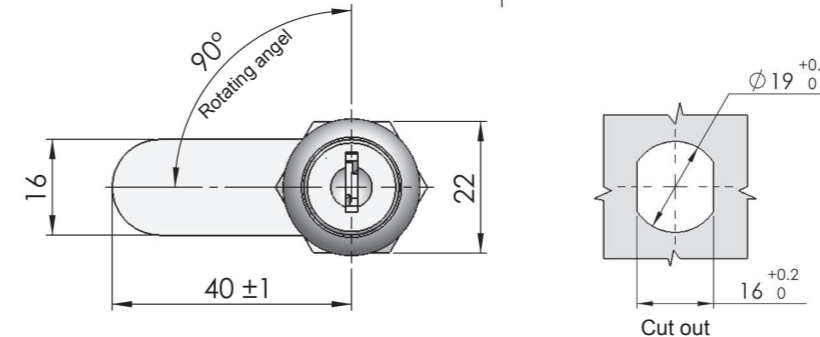
Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m



ERP MS773Z3AT03001



90° or 180° position device optional to change direction



ERP MS775N00024001

Remarks : Default cam S1B4000

MS775-2



RL IP55

Main material and finish: Plastic housing and insert; white zinc plated ZDC nut, steel cam and screw; mirror polished stainless steel housing cap and inset cap


Remarks: Default key K024

Default cam : S1B40Y00003

Performance Parameter:

Maximum static load: 180N

MS779



RL

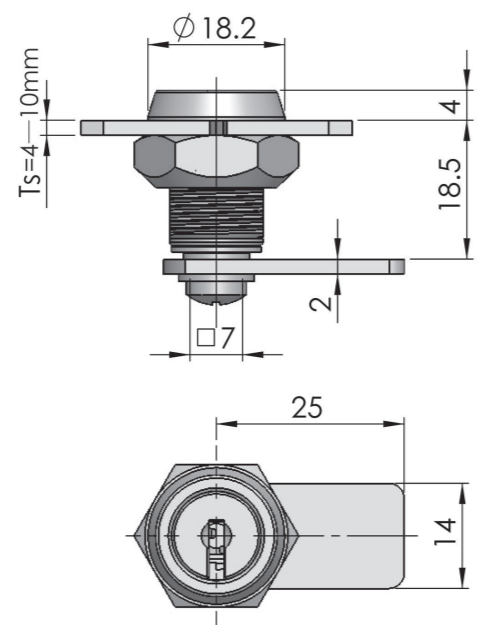
Material and finish: Sand nickel plated ZDC housing and insert, white zinc plated steel nut, cam and screw.

Remarks: Default key K50

Default cam : S1A25Y00001


Performance parameter:
Maximum static load: 180N

ERP MS779Z3G501001
Remarks: default cam S1A2500

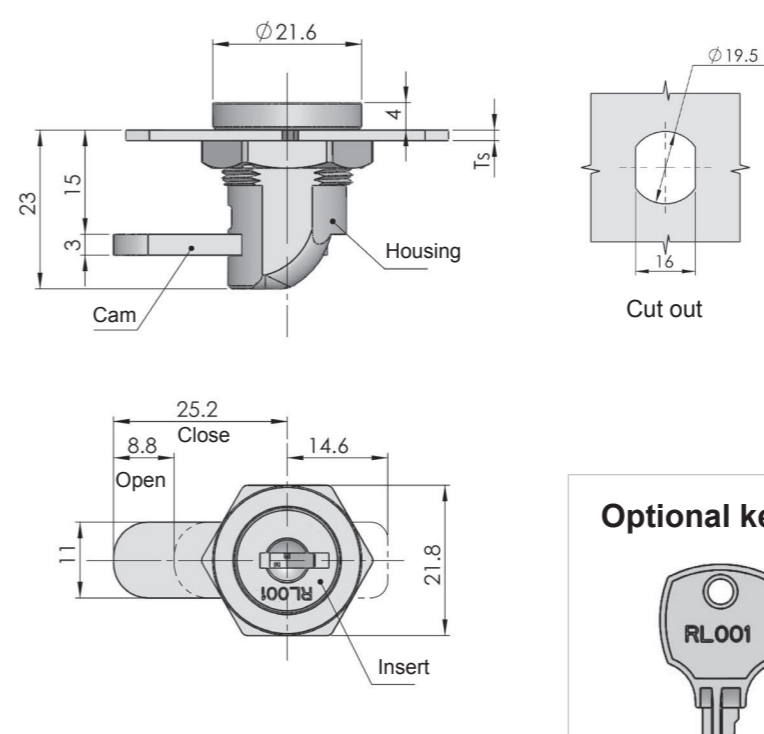


Technical drawings for MS779 showing dimensions: $\phi 18.2$, $T_s=4-10mm$, 4, 18.5, 2, 7, 25, 14. A note states: "Note: Only applies to wood, soft door plank." A "Cut out" diagram shows a square hole with dimensions $\phi 14.5^{+0.10}$ and $12.6^{+0.10}$. A "Default key K50" is shown with the number 0601. A note indicates "Clockwise rotate 180°".

ERP MS779Z3G501001
Remarks: default cam S1A2500



MS786



Technical drawings for MS786 showing dimensions: $\phi 21.6$, 23, 15, 3, 4, T_s , $\phi 19.5$, 16, 25.2, 8.8, 14.6, 11, 21.8. Labels include "Cam", "Housing", "Insert", "Close", "Open", and "Optional key". An "Optional key" is shown with the number RL001.

ERP MS786Z2A540002

MS786

Main material and finish: Black painted ZDC housing and insert, white zinc plated steel cam.


Application: Insert rotating 180° to drive the cam for opening and closing

Remarks: Default key K540

Performance parameter:
Maximum static load: 220N

ERP MS786Z2A540002

MS784



RL

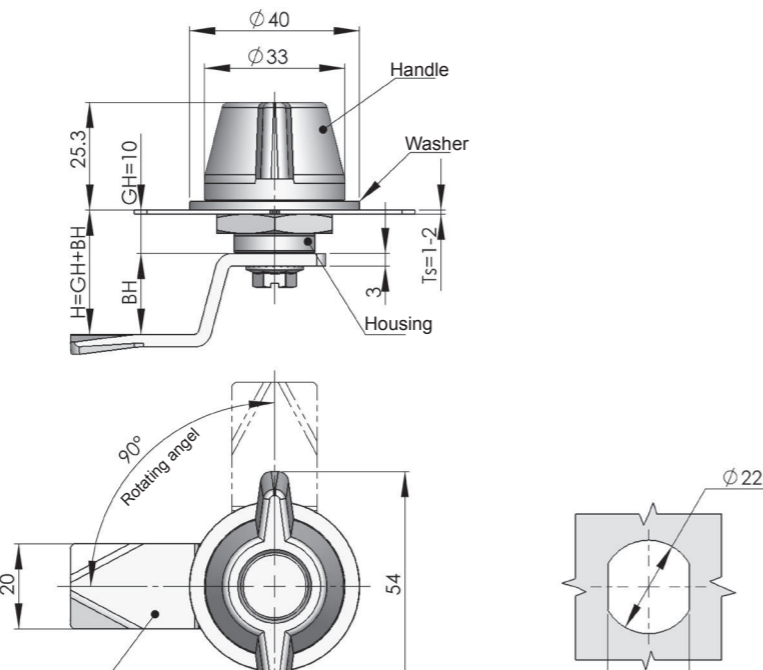
Material and finish: White zinc plated ZDC housing and nut, white zinc plated steel cam, black plastic handle

Application: Handle rotating 90° opening or closing

Remarks: S1H cam serials
Default cam : S1H48Y19002


Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 20N.m

ERP MS784Z3D000002
Remarks: Default cam S1H4819

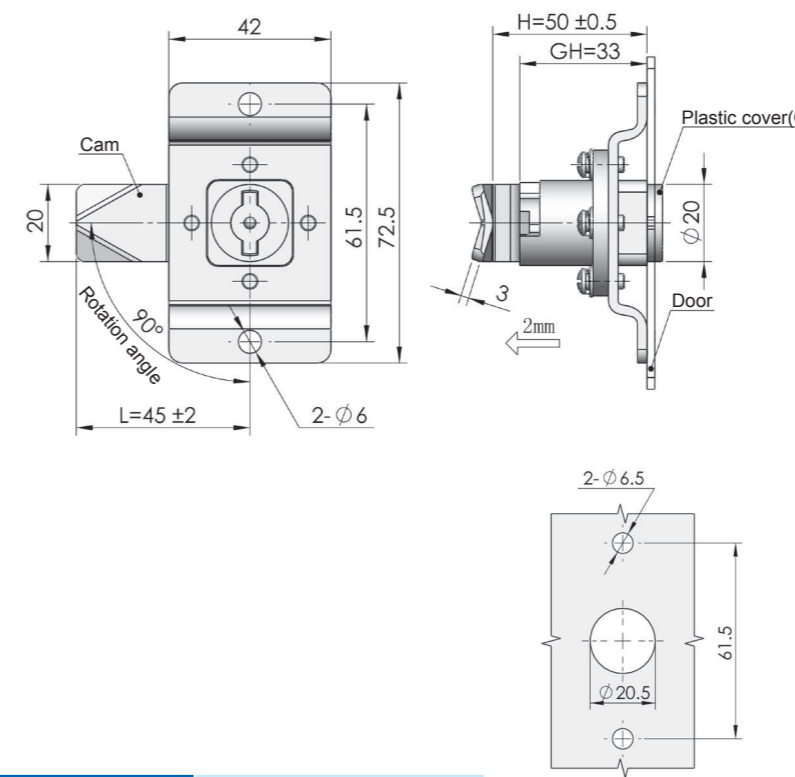


Technical drawings for MS784 showing dimensions: $\phi 40$, $\phi 33$, 25.3, $GH=10$, $H=GH+BH$, BH , 3, $T_s=1-2$, 20, 54, $\phi 22.5$, 19.5. Labels include "Handle", "Washer", "Housing", "Cam", and "Rotating angle 90°". A "Cut out" diagram shows a square hole with dimensions $\phi 22.5$ and 19.5.

ERP MS784Z3D000002
Remarks: Default cam S1H4819



MS801-2



Technical drawings for MS801-2 showing dimensions: 42, 61.5, 72.5, $H=50 \pm 0.5$, $GH=33$, 20, 3, 2mm, $\phi 20$, 2- $\phi 6$, 2- $\phi 6.5$, 61.5. Labels include "Cam", "Rotation angle 90°", "Plastic cover (Optional)", and "Door".

ERP MS801F3CT01003
Remarks: Default cam DS1B4517 (cut out 8x8)

MS801-2

Main material and finish : White zinc-plated steel lock body, ABS plastic cover

Application : Quarter-turn opening or closing

Remarks : Optional key K15-1

Default cam : S1B45Y17002

Performance parameter:
Maximum static load: 220N

ERP MS801F3CT01003
Remarks: Default cam DS1B4517 (cut out 8x8)

MS801-1



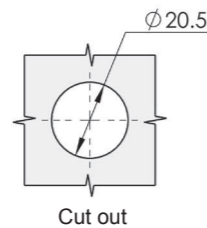
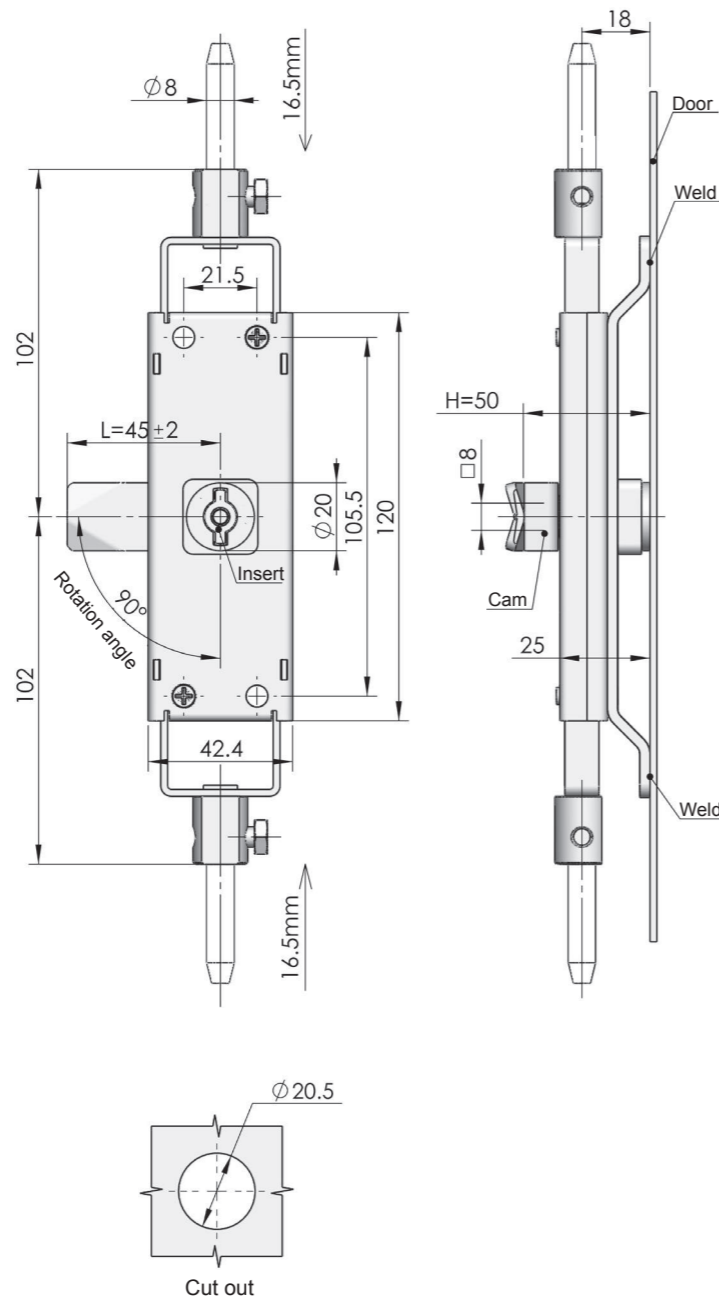
Performance parameter:
Maximum static load:139N
Recommended nut tightening torque:4N.m
Maximum input torque:7N.m



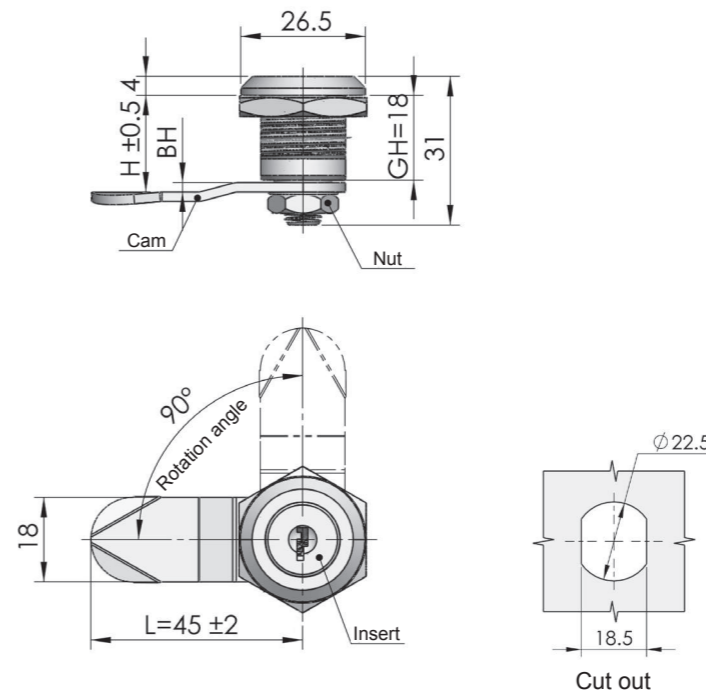
Main material and finish : White zinc-plated steel lock body, ABS plastic cover
Application : Insert quarter-turn rotation combines with cam and rod latch
Remarks : Optional key K15-1

Default cam : S1B45Y23001

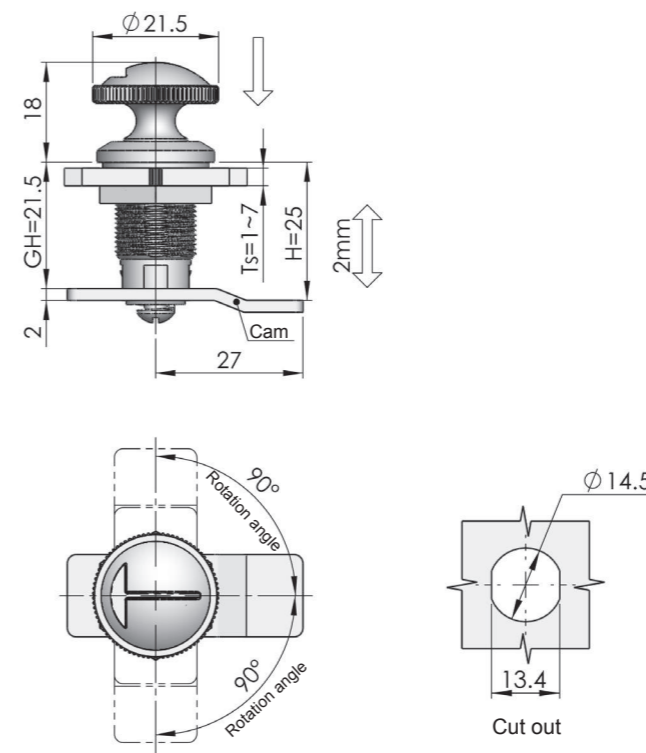
Performance parameter:
Maximum static load:270N



ERP MS801F3DT02003
Remarks : Default cam S1B4523 (cut out 8x8)



ERP MS802Z3A050017
Remarks : Default cam S1B4502 (cut out 8x8)



ERP MS803Z3A000003
Remarks : Default cam S1K27N05 (Reversely installed as pic)

MS802



Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam
Application: Quarter-turn opening or closing
Remarks: Default key K050

Default cam : S1B45Y02001 (Ts=2)

Performance parameter:
Maximum static load:100N
Recommended nut tightening torque:20N.m

MS803



Main material and finish : Bright chrome-plated ZDC housing and handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing, with function of locking automatically

Default cam : S1K27N05001

Performance parameter:
Maximum static load: 91N
Recommended nut tightening torque: 20N.m
Maximum input torque: 4N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS804

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

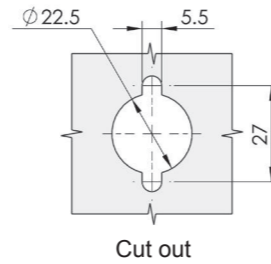
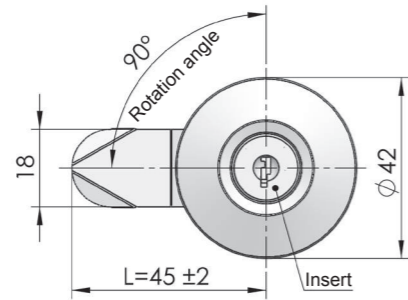
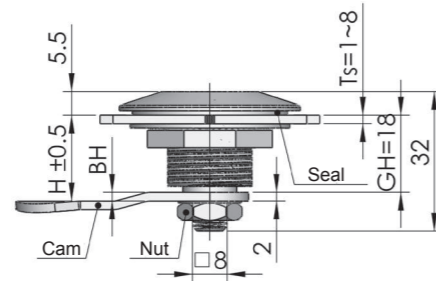
Remarks: Default key K050

Default cam : S1B45Y02001 (Ts=2)

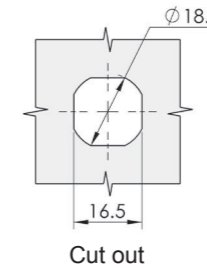
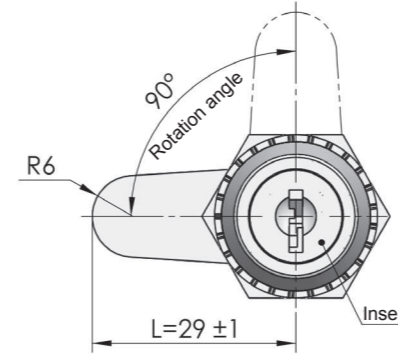
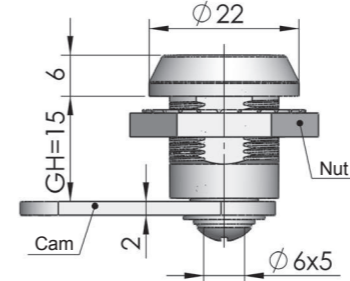
Performance parameter:

Maximum static load: 100N

Recommended nut tightening torque: 20N.m



ERP MS804Z3A050008
Remarks : Default cam S1B4502 (cut out 8x8)



ERP MS806Z3A220011
Remarks : Default cam S1G2900



MS806

Main material and finish: Bright chrome-plated ZDC housing, insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K220

Default cam : S1G29Y00001

Performance parameter:

Maximum static load: 120N

Recommended nut tightening torque: 20N.m



MS805

RL

Main material and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam

Application : 180 degree rotation opening or closing

Remarks : Default key K040

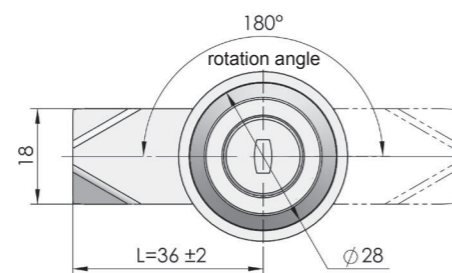
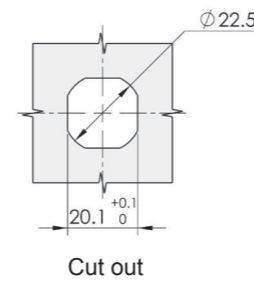
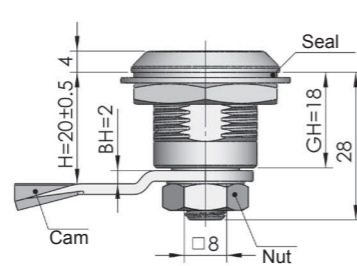
Default cam : S1B36Y02001

Performance parameter:

Maximum static load: 270N

Recommended nut tightening torque: 20N.m

Maximum input torque: 20N.m

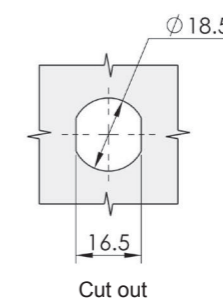
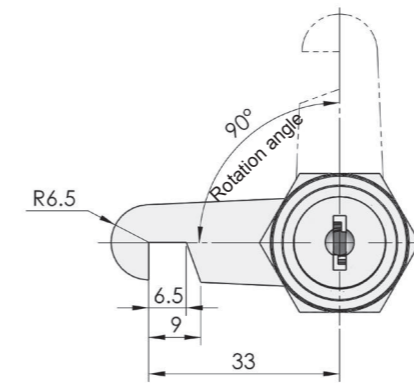
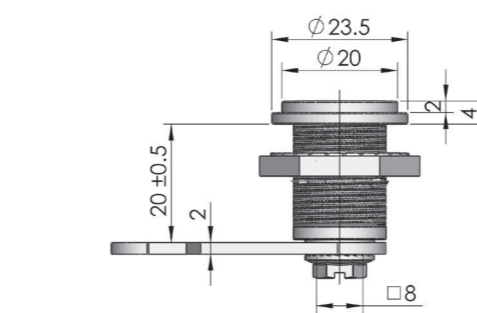


HP001 Handle pull (Optional)



WP002 Water-proof cap (Optional)

ERP MS805Z2A040005
Remarks : Default cam S1B3602, T=2 (Cut out 8x8)



ERP MS809Z3A230006
Remarks : Default cam S1B4000



MS809

RL

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K230

Default cam : S1B40Y00004

Performance parameter:

Maximum static load: 140N

Recommended nut tightening torque: 20N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

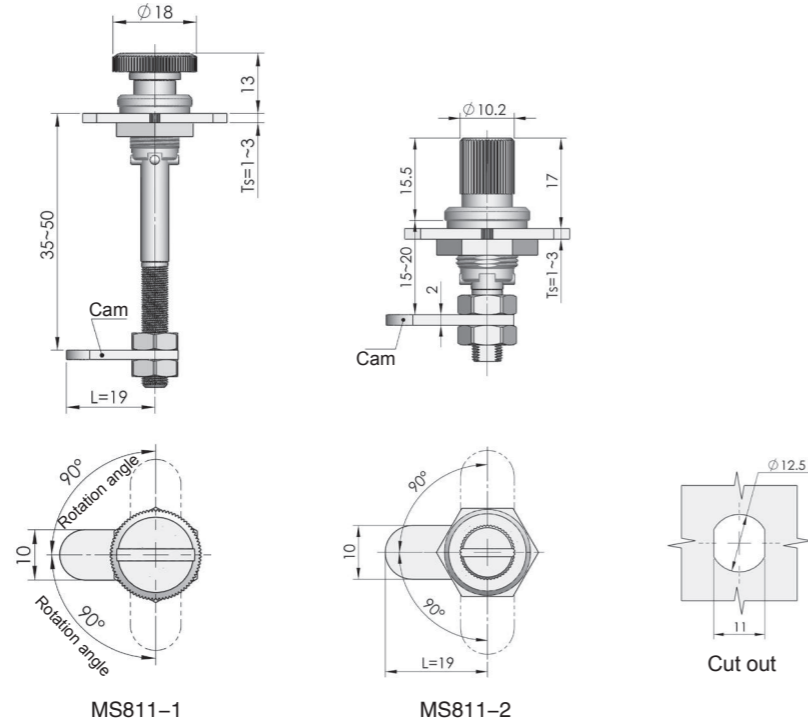


RL

Main material and finish : Bright chrome-plated steel housing and handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

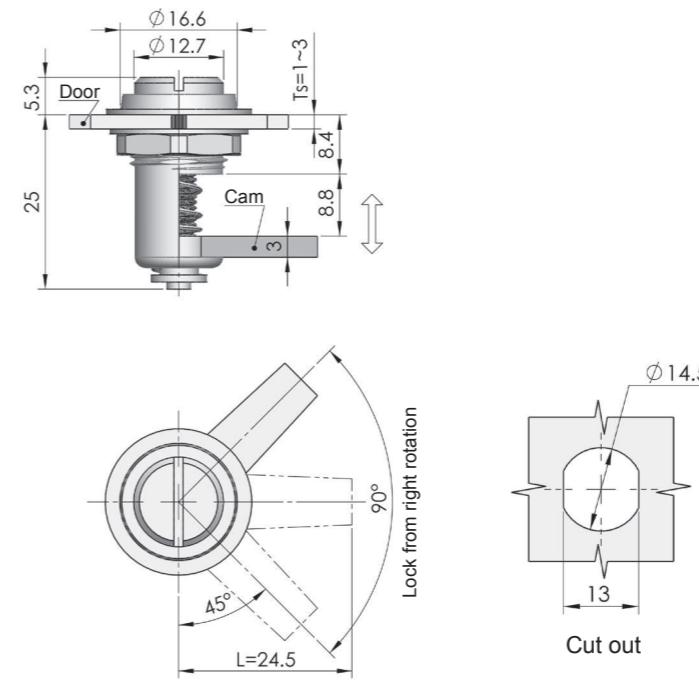
Default cam : S1W19Y00002

Performance parameter:
Maximum static load: 140N



	MS811-1	MS811-2
ERP	MS811F3A000001	MS811F3A000002

Remarks : Default cam S1W1900 (cut out $\phi 6 \times 4.5$)



	MS811-4-Z (Left)	MS811-4-Y (Right)
ERP	MS811Z3D000008	MS811Z3D000001

Remarks : Default cam S1S2500

MS811-4



RL

Main material and finish : White zinc-plated ZDC housing, white zinc-plated steel cam and shaft
Application : Quarter-turn opening or closing, with function of locking

Default cam : S1S25Y00002

Performance parameter:
Maximum static load: 210N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m

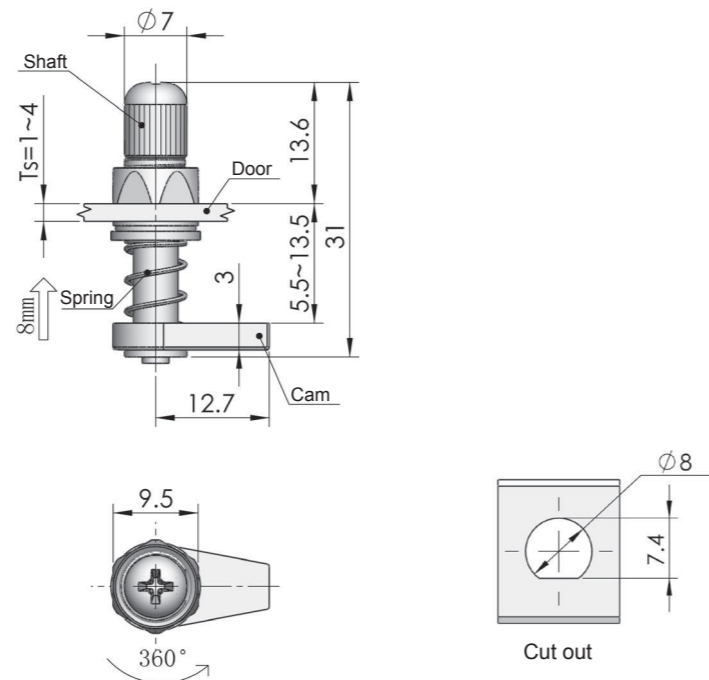


RL

Main material and finish : Trivalent zinc-plated steel housing, handle and cam
Application : Handle 360 degree, rotation with function of locking

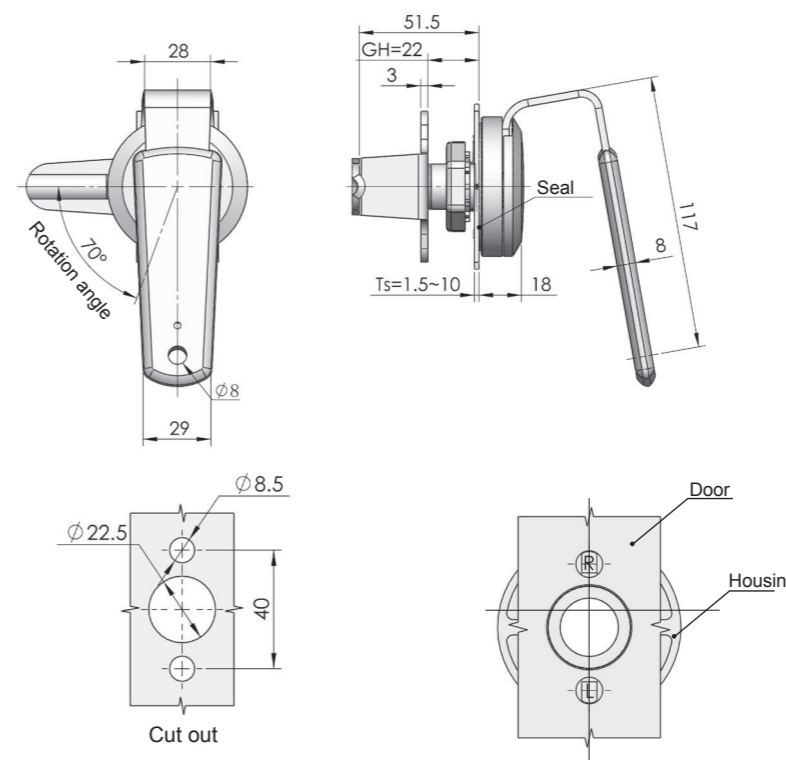
Default cam : S1S13Y00001

Performance parameter:
Maximum static load: 180N



	MS811-3-Z (Left)	MS811-3-Y (Right)
ERP	MS811F3D000001	MS811F3D000002

Remarks : Default cam S1S1300



	MS8123A000006
ERP	MS8123A000006

Remarks : Default cam S3C8600 (cut out 10x10)

Remarks : Housing rotate 180° for installing. the picture shows the product and panel after installing

MS812-1



RL IP54

Main material and finish : Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam
Application : 70 degree rotation opening or closing
Remarks : Key the same as MS812-2

Default cam : S3C86Y00002

Performance parameter:
Maximum static load: 110N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m



MS812-2

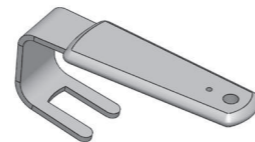
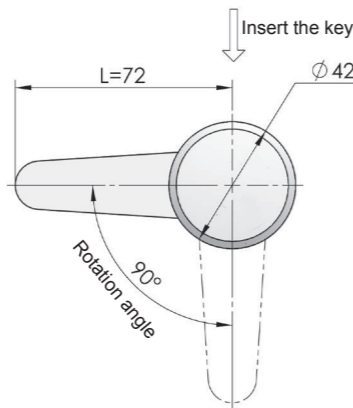
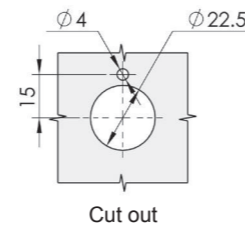
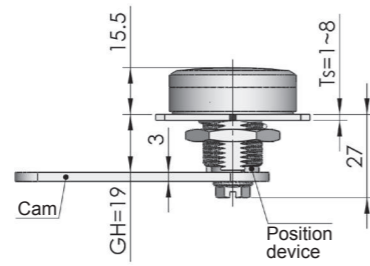
RL IP54

Main material and finish: Bright chrome plated ZDC housing and cap, white zinc plated steel cam.

Application: Quarter turn opening or closing

Default cam : S1B72Y00001

Performance parameter:
Maximum static load: 240N



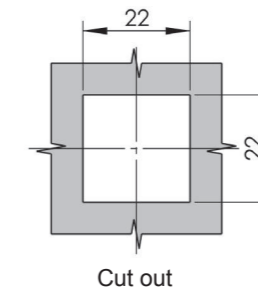
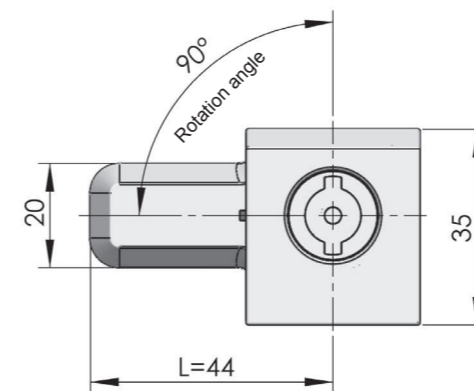
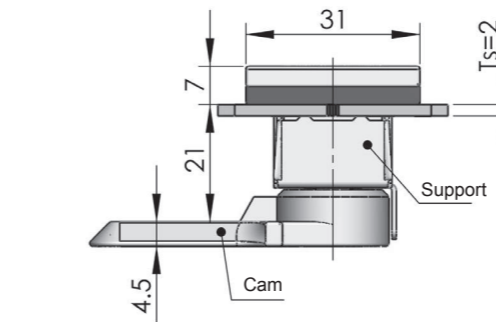
Key



Remarks: change direction device and cam to realize left or right opening

ERP MS812Z2B000003

Remarks : Default cam S1B7200 (cut out 8x8)



MS813-4

RL IP54

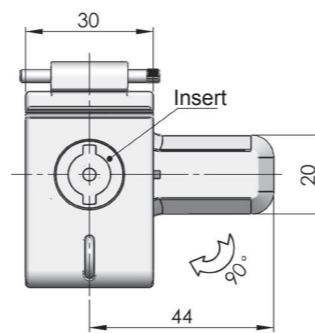
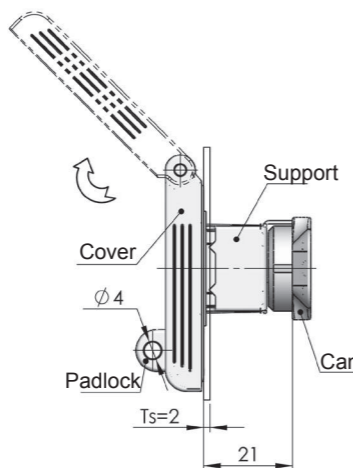
Main material and finish: Yellow gray powder coated ZDC housing, bright chrome plated insert, white zinc plated steel cam.

Application: Quarter turn opening or closing

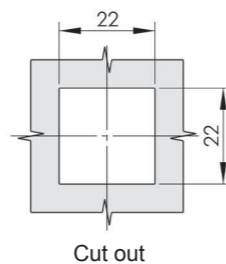
Remarks: Optional key K15-1

Default cam : S1A44Y06001

Performance parameter:
Maximum static load: 580N



Remove cover



Cut out

ERP MS813Z1ET01006

Remarks : Default cam S1A4406



MS813



MS813-B

RL IP54

Main material and finish : Yellow-gray ZDC housing, bright chrome-plated ZDC insert, white zinc-plated ZDC cam

Application : Quarter-turn opening or closing

Remarks : Optional key K15-1

Performance parameter:
Maximum static load: 580N

Specification	Model	ERP
ZDC	MS813	MS813Z1ET01003
Full S.S.	MS813-B	MS813S4AT01002

MS813-5B



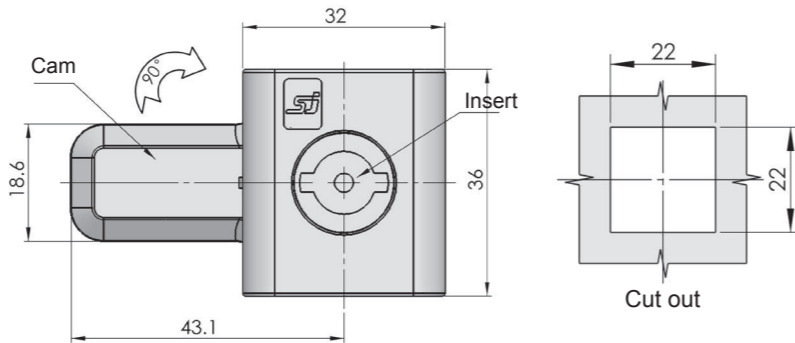
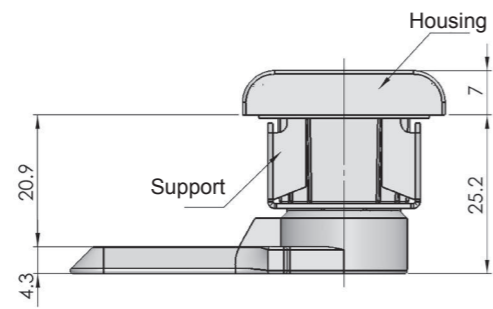
RL IP54

Main material and finish: Mirror polishing stainless steel housing, insert, ZDC cam ,steel screw and support

Remarks: Optional key K15 series

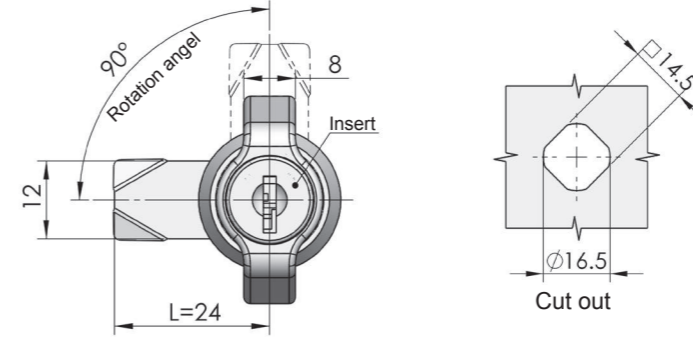
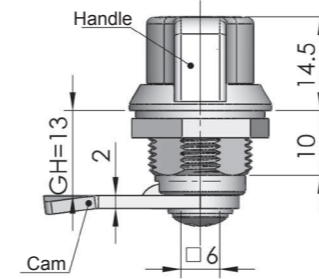
Default cam : S1A44Y06001

Performance parameter:
Maximum static load: 580N



ERP MS813S4AT01001

Remarks : Default cam S1A4406



ERP MS815Z2A170002

Remarks : Default cam S1V2400

MS815-2



IP54

Main material and finish: Black painted ZDC housing and handle, white zinc plated steel cam

Application: Quarter turn opening or closing

Remarks: Default key K170

Default cam : S1V24Y00002

Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque: 12N.m

MS815-1



IP54

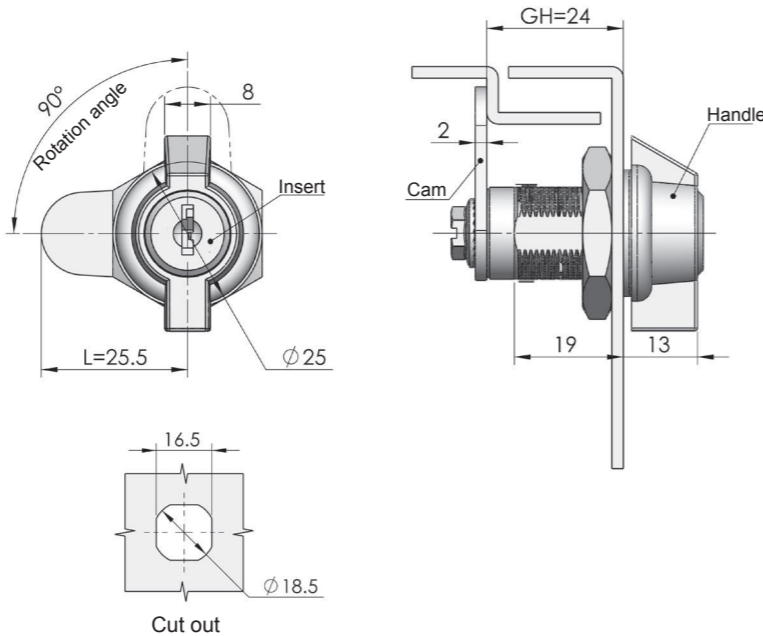
Main material and finish: Black painted ZDC housing and handle, white zinc plated steel cam

Application: Quarter turn opening or closing

Remarks: Default key K240

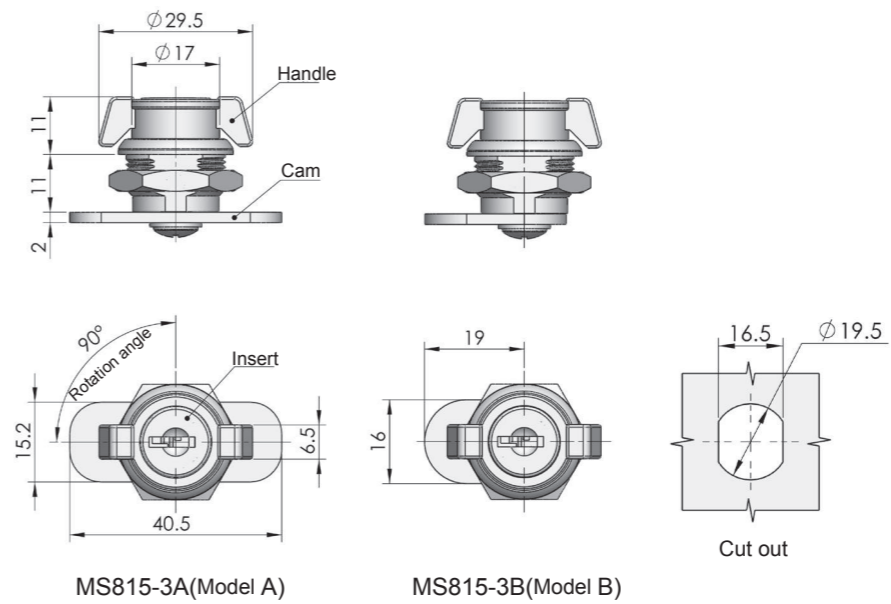
Default cam : S1B26Y00001

Performance parameter:
Maximum static load: 100N
Recommended nut tightening torque: 12N.m



ERP MS815Z2A240001

Remarks : Default cam S1B2600 (cut out 8x8)



Specification	Model	ERP	
		Painted (matt black) housing	Bright chrome-plated housing
Model A	MS815-3A	MS815Z1A170003	MS815Z3A170003
Model B	MS815-3B	MS815Z1A170004	MS815Z3A170004

Remarks: Cam cut out Ø7*5.5

MS815-3



Main material and finish: ZDC housing, insert and steel cam

Application: Quarter-turn opening or closing

Remarks: Default key K170

Default cam : S1W20Y00001 (Model A)
S1W19Y00001 (Model B)

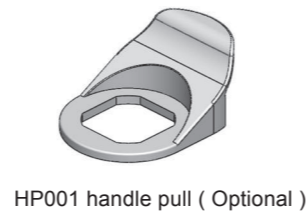
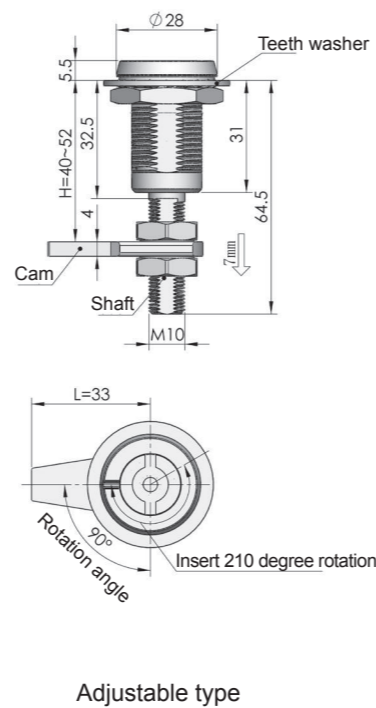
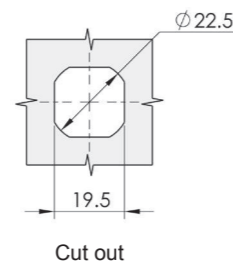
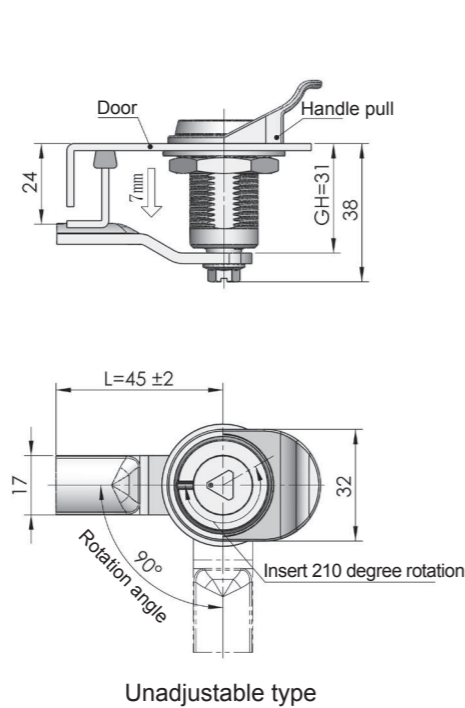
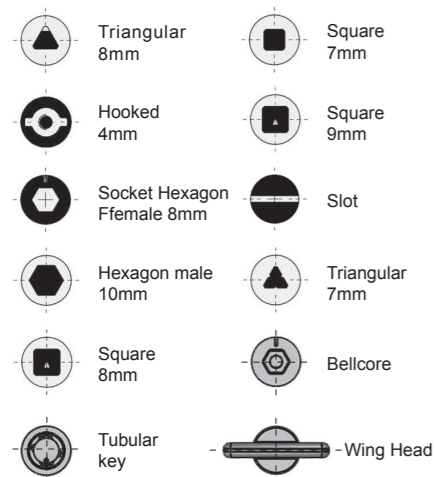
Performance parameter:
Maximum static load: 250N
Recommended nut tightening torque: 20N.m



Main material and finish : Blue-gray powder coated ZDC housing and insert, white zinc-plated steel cam, PA handle pull
Application: Cam quarter-turn to open or close, with function of locking
Remarks: Optional key K15 series

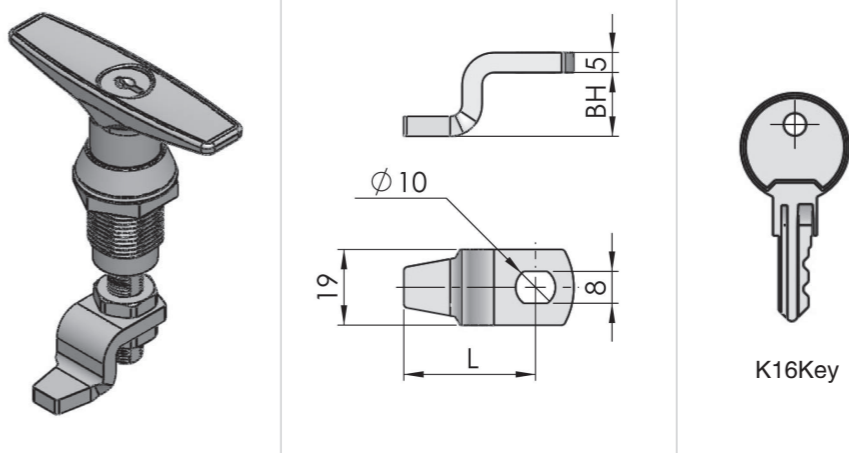
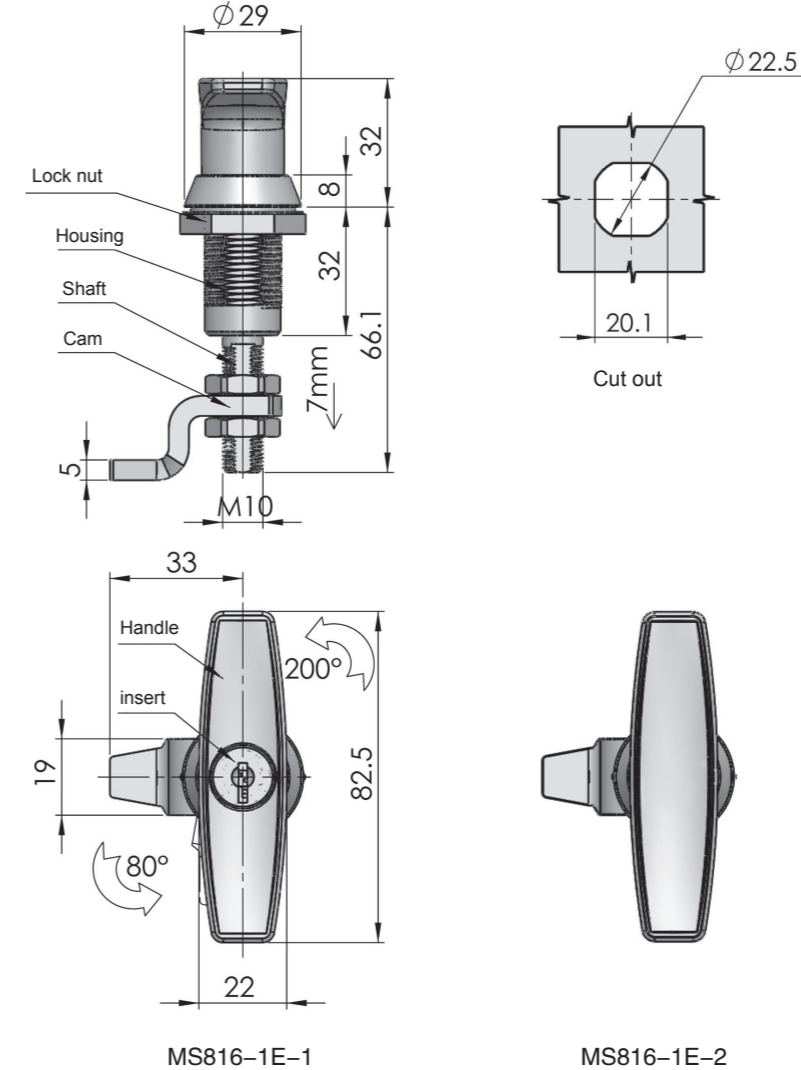
Default cam : S1B45N07016(Unadjustable)
 S1M33Y00002(Adjustable Ts=5)

Performance parameter:
Maximum static load: 300N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m



Remarks : Inserts sketch refers to inserts list 2 on P058

Specification	Unadjustable type		Adjustable type	
	Model	ERP	Model	ERP
8mm Triangle	MS816-1-1	MS816Z1DT04009	MS816-1A-1	MS816Z1DT04015
S Hook	MS816-1-2	MS816Z1DT03007	MS816-1A-2	MS816Z1DT03010
8mm Socket hexagon	MS816-1-3	MS816Z1DT24004	MS816-1A-3	MS816Z1DT24005
10mm Hexagon	MS816-1-4	MS816Z1DT25001	MS816-1A-4	MS816Z2AT25001
8mm Square	MS816-1-5	MS816Z1DT07001	MS816-1A-5	MS816Z1DT07003
7mm Square	MS816-1-6	MS816Z1DT06001	MS816-1A-6	MS816Z1DT06003
9mm Square	MS816-1-8	MS816Z1DT26001	MS816-1A-8	MS816Z1DT26003
Slot	MS816-1-9	MS816Z1DT10001	MS816-1A-9	MS816Z1DT10003
7mm Triangle	MS816-1-10	MS816Z1DT14002	MS816-1A-10	MS816Z1DT14003
Abnormal	MS816-1-12	MS816Z1DT21001	MS816-1A-12	MS816Z1DT21004



Model	Specification
MS816-1E-1	with insert
MS816-1E-2	without insert



IP65

Main material and finish : Black pocked coated ZDC housing,handle,insert,zinc-plated steel cam;
Operation:120°turn of wing knob causes shaft to pull up of approx. 7mm, Then 80°turn causes cam to rotate to achieve lock opening. Locking status as picture shows
Remarks:Optional key K16

Performance parameter:
Maximum static load: 300N
Recommended nut tightening torque: 20N.m

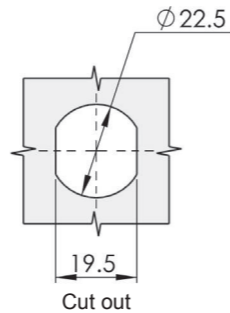
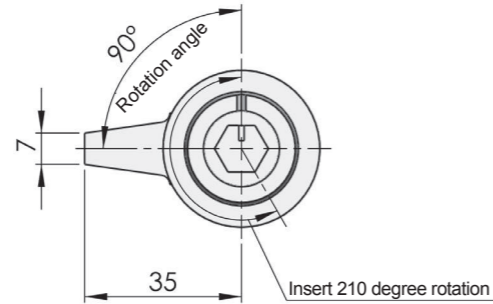
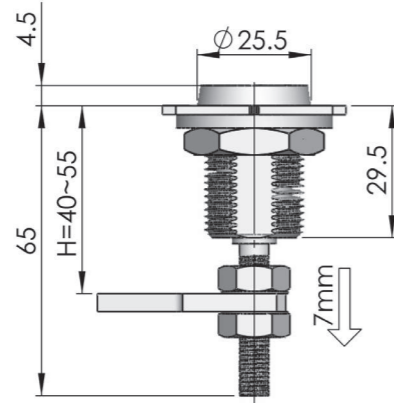
MS816-2



Main material and finish : Blue-gray powder coated ZDC housing and insert, white zinc-plated steel cam, PA handle pull
Application: Cam quarter-turn to open or close, with function of locking
Remarks: Optional key K15 series

Default cam : S1K35Y00002 (Ts=4)

Performance parameter:
Maximum static load: 360N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m



WP001 water-proof cap (Optional)

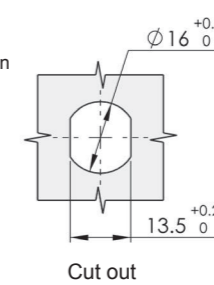
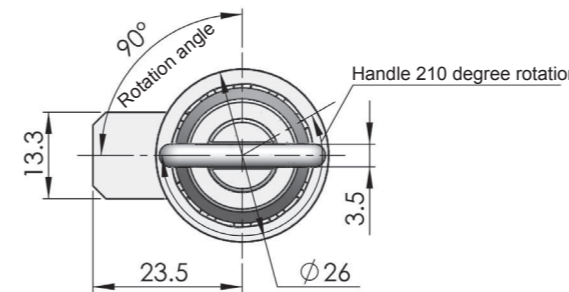
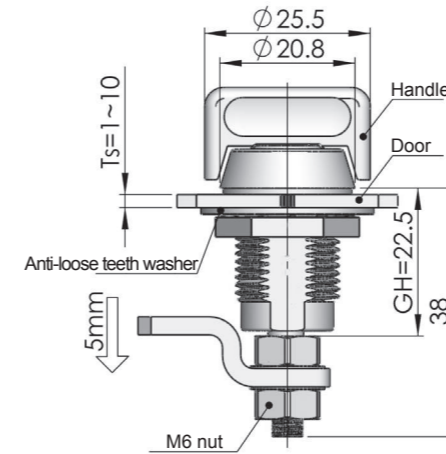
- Triangular 8mm
- Square 7mm
- Hooked 4mm
- Square 9mm
- Socket Hexagon Female 8mm
- Slot
- Hexagon male 10mm
- Triangular 7mm
- Square 8mm

Remarks : Inserts sketch refers to inserts list 2 on P058

ERP	Model	Insert	Optional key
MS816Z1DT25004	MS816-2-1	10mm Hexagon	K15-9、K15-9F
MS816Z1DT04004	MS816-2-2	8mm Triangle	K15-3、K15-3F
MS816Z1DT07004	MS816-2-3	8mm Square	K15-4、K15-4F
MS816Z1DT06004	MS816-2-4	7mm Square	K15-6、K15-6F
MS816Z1DT26004	MS816-2-5	9mm Square	
MS816Z1DT14004	MS816-2-6	7mm Triangle	K15-3、K15-3F

Remarks : Default cam S1K3500 (cut out Ø8x6.5)

WP004(Optional)



MS816-3S-1



MS816-3S-2

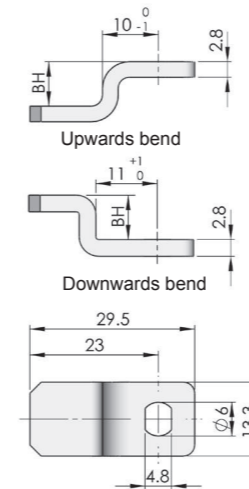


Main material and finish: Black painted ZDC housing, insert and handle, white zinc-plated steel cam, PA water-proof cap
Application: Cam Quarter-turn to open or close, with function of locking

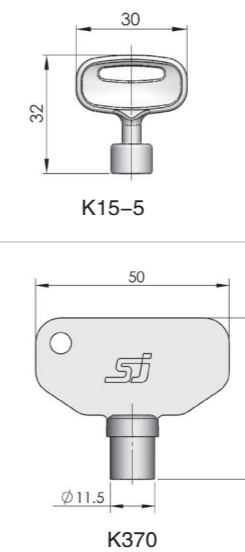
Default cam : S1G23N08005

Performance parameter:
Maximum static load: 360N
Recommended nut tightening torque: 20N.m
Maximum input torque: 8N.m

Cam(Optional)



key(Optional)



Remarks: Please refer to cam list on P009

Specification	Model	ERP	Optional key
Handle	MS816-3S-1	MS816Z2A000028	
6mm Square	MS816-3S-2	MS816Z2AT05001	K15-5A
Abnormal	MS816-3S-3	MS816Z1AT21002	K370
Slot	MS816-3S-4	MS816Z1AT18006	

Remarks: Default cam S1G23N08 (Cutout Ø6x4.7)

MS816-4B



Main material and finish : Stainless steel housing, insert and cam, white zinc-plated steel shaft

Application : Quarter-turn opening or closing, with function of locking

Remarks : Optional key K15 series

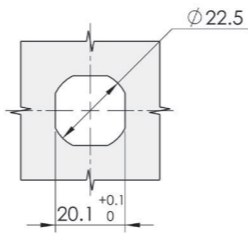
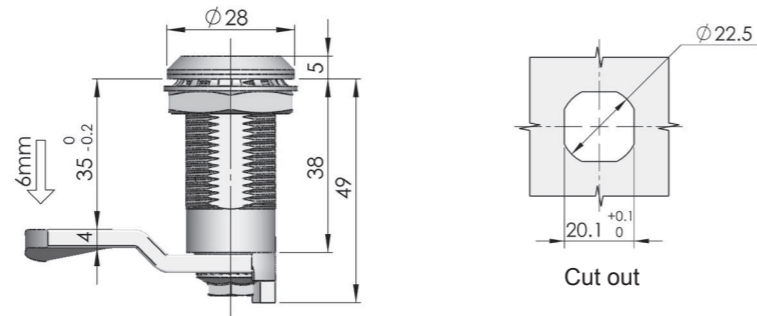
Default cam : S1M44N06001

Performance parameter:

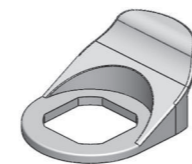
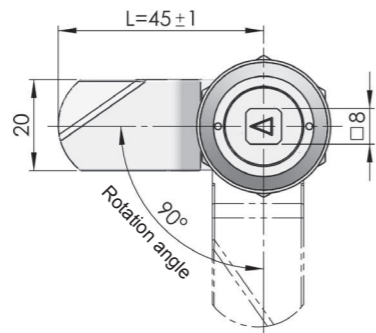
Maximum static load: 590N

Recommended nut tightening torque: 30N.m

Maximum input torque: 11N.m



Cut out



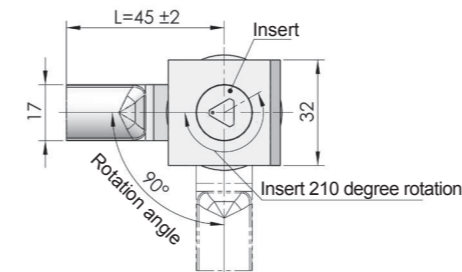
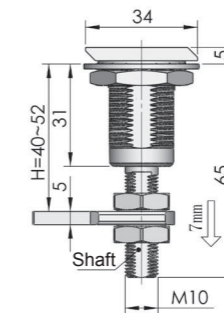
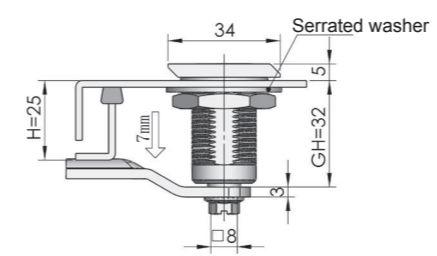
HP001 Handle pull (Optional)



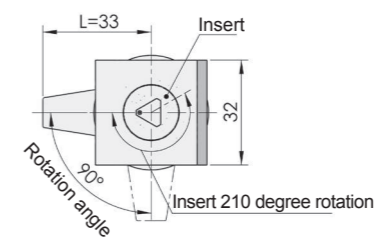
WP002 Water-proof cap (Optional)

ERP MS816S00T07009

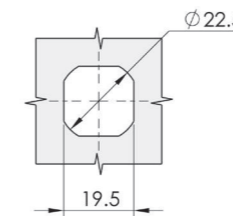
Remark: Default cam S1M44N06 (cut out Ø10x8)



Unadjustable type



Adjustable type



Cut out

- Triangular 8mm
- Square 7mm
- Hooked 4mm
- Square 9mm
- Socket Hexagon Female 8mm
- Slot
- Hexagon male 10mm
- Triangular 7mm
- Square 8mm

Remrks: Lock insert pic refers to diagram P058

Specification	Unadjustable		Adjustable		Optional key
	Model	ERP	Model	ERP	
8mm Triangle	MS817-1	MS817Z2AT04001	MS817-1A	MS817Z2AT04007	K15-3、K15-3F
S Hook	MS817-2	MS817Z2AT03001	MS817-2A	MS817Z2AT03002	K15-1
8mm Socket hexagon	MS817-3	MS817Z2AT24001	MS817-3A	MS817Z2AT24002	
10mm Hexagon	MS817-4	MS817Z2AT25003	MS817-4A	MS817Z2AT25002	K15-9、K15-9F
8mm Square	MS817-5	MS817Z2AT07001	MS817-5A	MS817Z2BT07002	K15-4、K15-4F
7mm Square	MS817-6	MS817Z2AT06001	MS817-6A	MS817Z2AT06003	K15-6、K15-6F
9mm Square	MS817-8	MS817Z2AT26001	MS817-8A	MS817Z2AT26002	
Slot	MS817-9	MS817Z2AT10001	MS817-9A	MS817Z2AT10002	
7mm Triangle	MS817-10	MS817Z2AT14001	MS817-10A	MS817Z2AT14002	K15-3、K15-3F
Abnormal	MS817-12	MS817Z2AT21001	MS817-12A	MS817Z2AT21002	K31

MS816-4D-4



Main material and finish : Chrome-plated ZDC housing, insert, white zinc-plated steel shaft, stainless steel gear ring, cam and nut

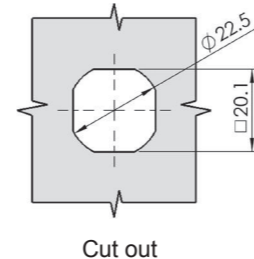
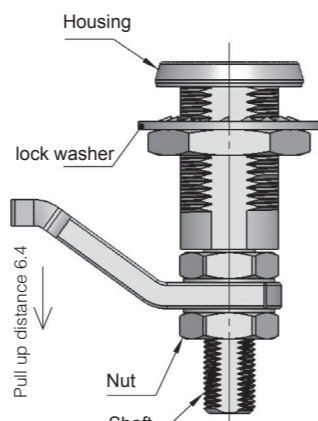
Application: Lock insert aligns with the indicator mark on housing when in lock position Lock insert twists 195° anti-clockwise when opening 120° turn of lock insert causes shaft to pull up of 6.4mm, Then 75° turn causes cam to rotate to achieve lock opening.

Performance parameter:

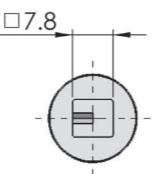
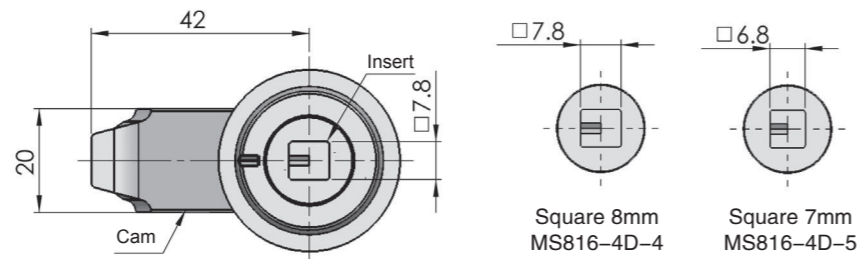
Maximum static load: 300N

Recommended nut tightening torque: 20N.m

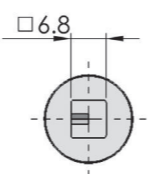
Maximum input torque: 11N.m



Cut out



Square 8mm MS816-4D-4



Square 7mm MS816-4D-5

Model	MS816-4D-4	MS816-4D-5
ERP	MS816Z3AT07015	MS816Z3AT06004

MS817



Main material and finish: Black powder coated ZDC housing and insert, white zinc plated steel cam

Application: Cam Quarter-turn to open or close, with function of locking

Remarks: Optional key K15

Default cam : S1K45N07016(Unadjustable)
S1M33Y00002(Adjustable Ts=5)

Performance parameter:

Maximum static load: 190N

Recommended nut tightening torque: 20N.m

Maximum input torque: 6N.m

MS823-1



MS823-1A



Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc plated steel cam

Application: Cam quarter-turn to open or lock, with function of locking

Remarks : Optional key K15

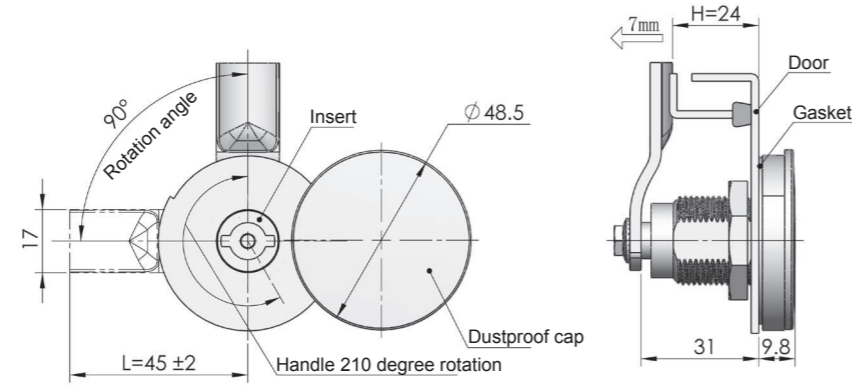
Default cam : S1B45N07005(Unadjustable)
S1M33Y00002(Adjustable Ts=5)

Performance parameter:

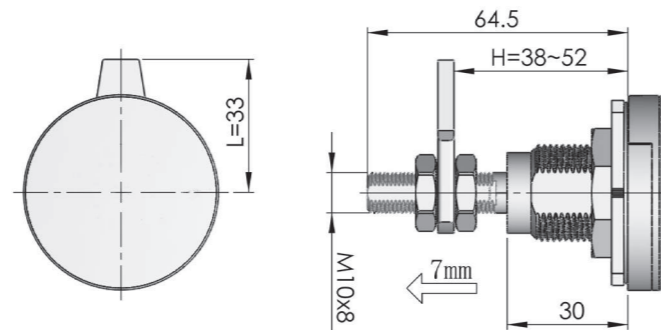
Maximum static load: 100N

Recommended nut tightening torque: 20N.m

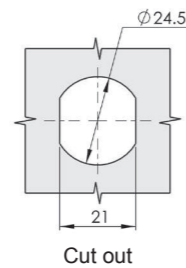
Maximum input torque: 12N.m



Unadjustable

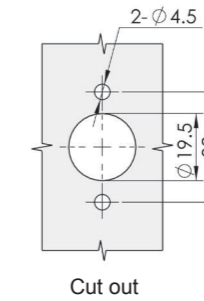
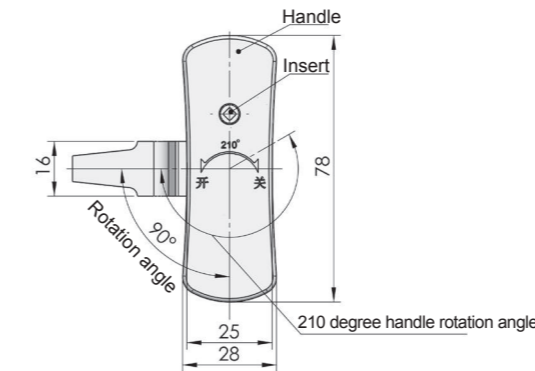
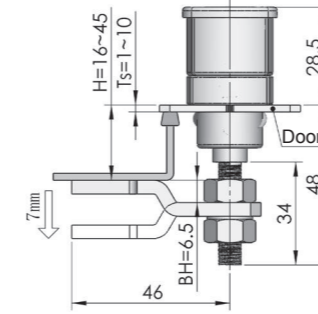


Adjustable



Cut out

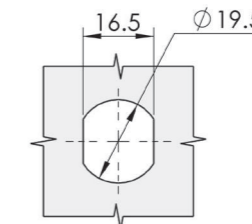
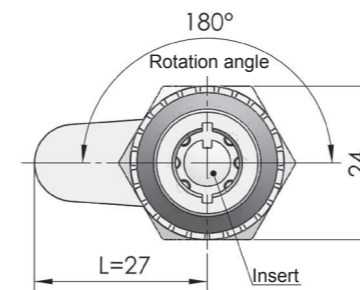
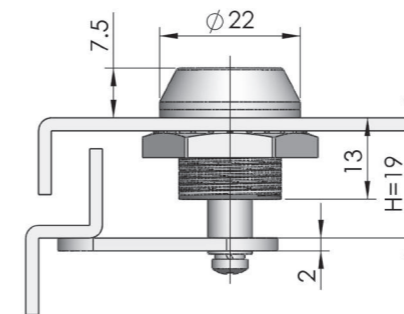
Specification	Unadjustable		Adjustable		Optional key
	Model	ERP	Model	ERP	
8mm Triangle	MS823-1	MS823Z3AT04001	MS823-1A	MS823Z3AT04004	K15-3, K15-3F
S Hook	MS823-2	MS823Z3AT03007	MS823-2A	MS823Z3AT03014	K15-1
8mm Socket hexagon	MS823-3	MS823Z3AT24001	MS823-3A	MS823Z3AT24002	
10mm Hexagon	MS823-4	MS823Z3AT25001	MS823-4A	MS823Z3AT25002	K15-9, K15-9F
8mm Square	MS823-5	MS823Z3AT07001	MS823-5A	MS823Z3AT07002	K15-4, K15-4F
7mm Square	MS823-6	MS823Z3AT06001	MS823-6A	MS823Z3AT06002	K15-6, K15-6F
9mm Square	MS823-8	MS823Z3AT26001	MS823-8A	MS823Z3AT26002	
Slot	MS823-9	MS823Z3AT10001	MS823-9A	MS823Z3AT10002	
7mm Triangle	MS823-10	MS823Z3AT14001	MS823-10A	MS823Z3AT14002	K15-3, K15-3F
Abnormal	MS823-12	MS823Z3AT14001	MS823-12A	MS823Z3AT21002	K31



Cut out

ERP MS822Z1A000001

Remarks : ERP excludes cam (cut out Ø8x6.5)



Cut out

ERP MS824Z3A000001

Remarks : Default cam S1V2700

MS822



Main material and finish : Black powder coated ZDC housing and handle, white zinc-plated steel cam ,insert and shaft

Application : Quarter-turn opening or closing, adjustable, with function of locking

Default cam : S1K46Y07001

Performance parameter:

Maximum static load: 140N

MS824



Main material and finish: Bright chrome-plated ZDC housing, insert and white zinc-plated steel cam

Application: 180 degree rotation opening or closing

Default cam : S1V27Y00001

Performance parameter:

Maximum static load: 70N

Recommended nut tightening torque: 20N.m

Maximum input torque: 5N.m

MS825

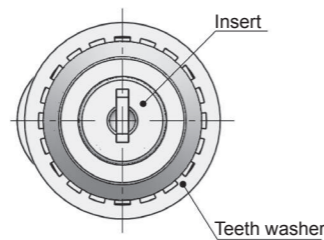
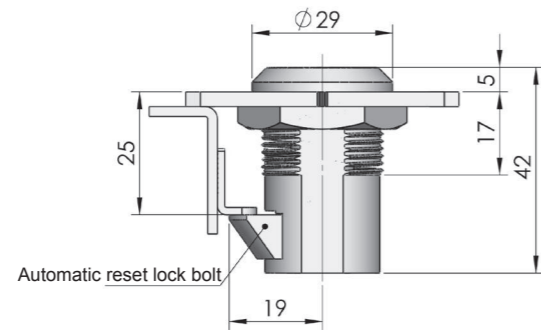


Main material and finish: Bright chrome-plated ZDC housing, insert and lock bolt, white zinc-plated ZDC lock bolt

Application: Automatic reset locked

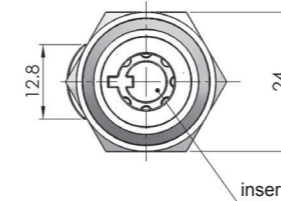
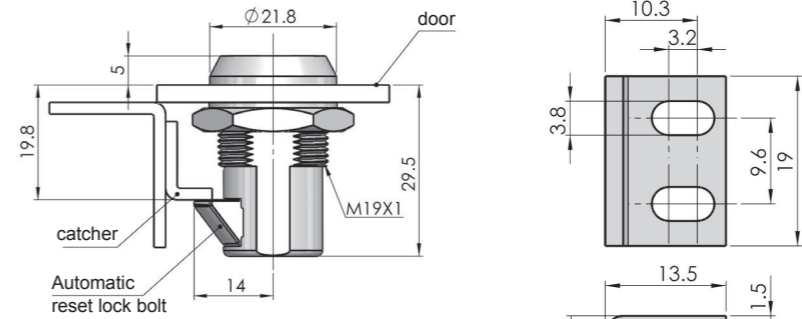
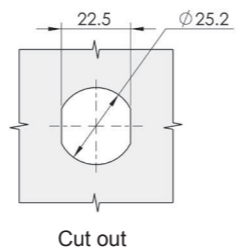
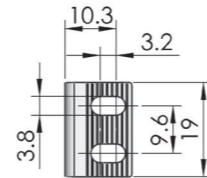
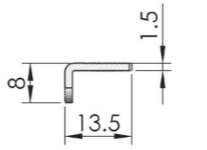
Remarks: Default key K160

Performance parameter:
Maximum static load: 320N



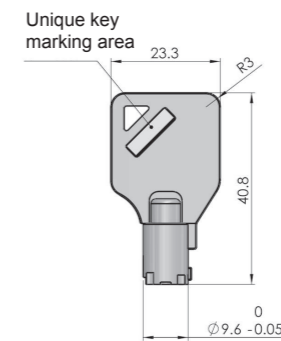
ERP MS825Z3A160001

Catcher (Optional)



MS824-7D
物料号 ERP MS826Z3A000008

Catcher(optional)



MS826

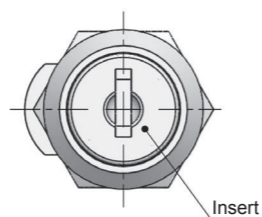
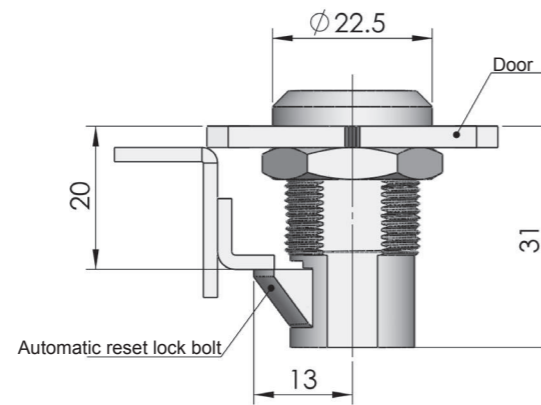


Main material and finish: Bright chrome-plated ZDC housing, insert and lock-tongue, white ZDC zinc-plated lock tongue

Application: Automatic reset locked

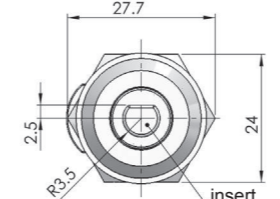
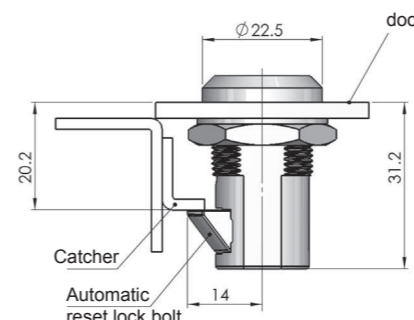
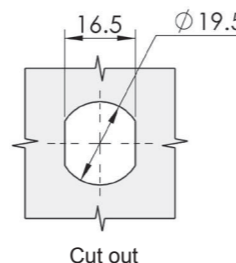
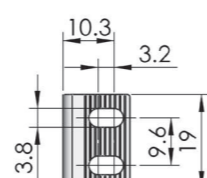
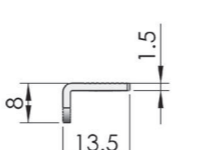
Remarks: Default key K160

Performance parameter:
Maximum static load: 340N

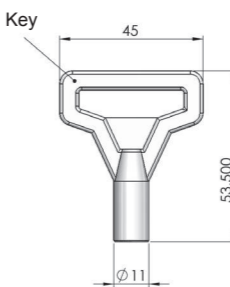


ERP MS826Z3A160001

Catcher (Optional)



	with key	without key
ERP	MS826Z3A000005	MS826Z3A000006



MS826-7D



IP55

Main material and finish: bright chrome-plated housing and insert, white zinc plated insert and lock tongue

Application: special key, resilient automatically lock

Performance Parameter
Maximum static load: 340 N

MS826-8D



IP55

Main material and finish: bright chrome+varnish brush ZDC housing and insert, white zinc-plated ZDC lock tongue, 120 hours salt spray test

Application: resilient automatically lock

Performance Parameter
Maximum static load: 340 N

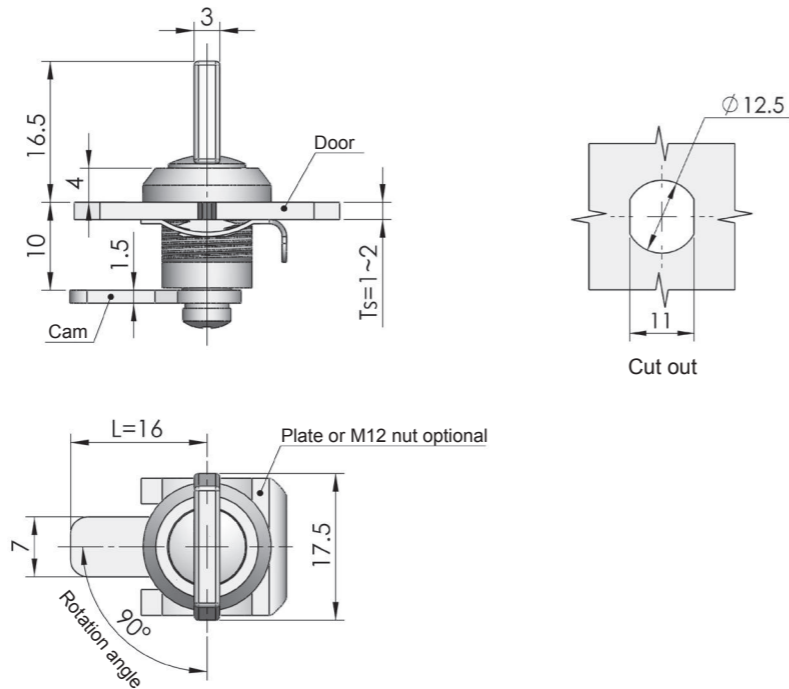
MS844



Main material and finish : Bright chrome-plated ZDC housing and handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

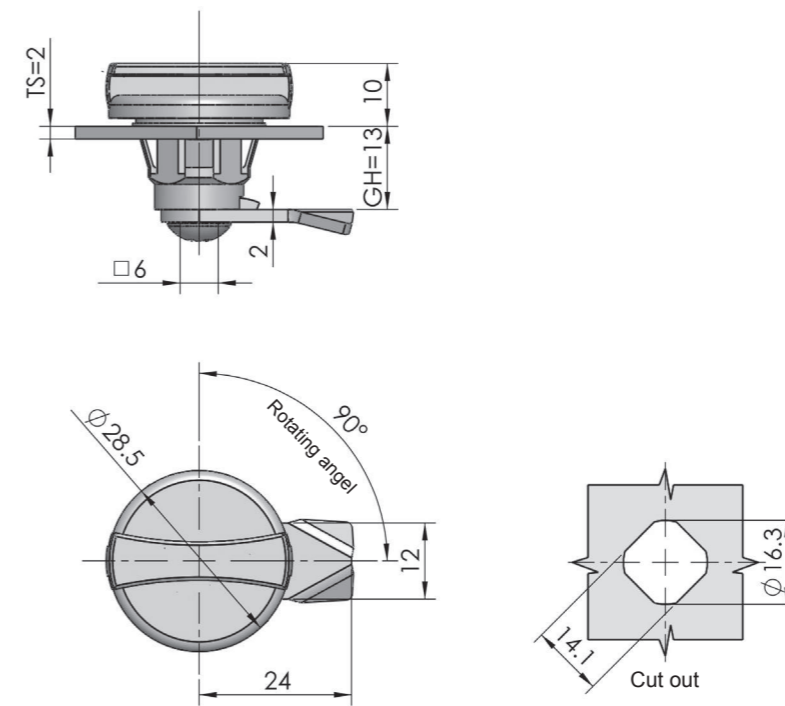
Default cam : S1W16Y00001

Performance parameter:
Maximum static load: 180N



Specification	Model	ERP
Plate	MS844-1	MS844Z3A000001
Nut	MS844-2	MS844Z3A000002

Remarks : Default cam S1W1600 (Cutout $\phi 4.6 \times 3.6$)



ERP MS845N00000001

Remark: Default cam S1V2400

MS845-5



RL

Main material and finish: ZDC housing and black PA handle, white zinc plated steel cam.

Remark: Fast-installed housing, cam DS1V serial optional

Default cam : S1V24Y00001

Performance parameter:
Maximum static load: 220N

MS845-1



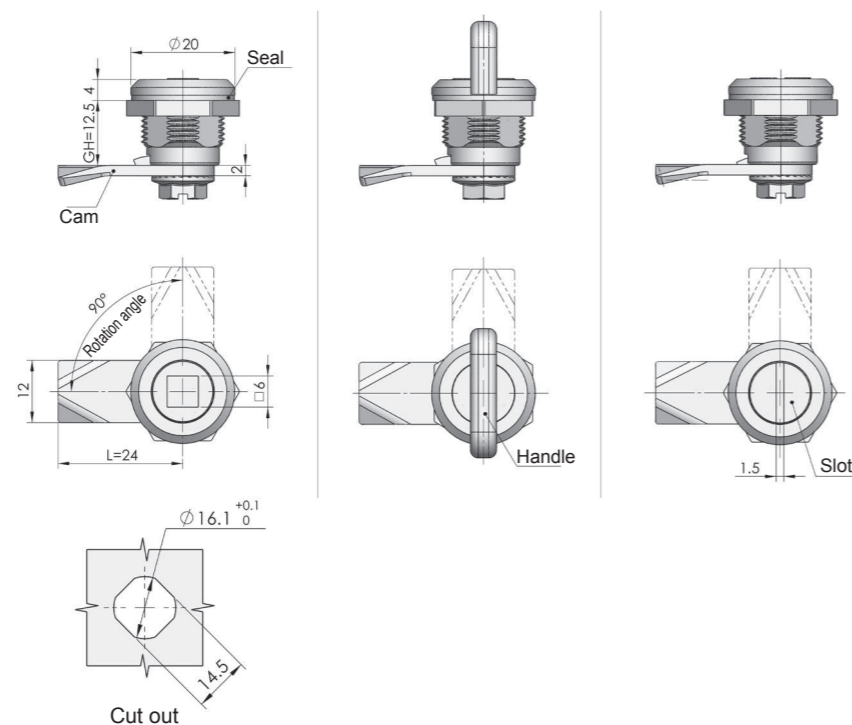
MS845-3

RL IP54

Main material and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam
Application : Quarter-turn opening or closing

Default cam : S1V24Y00001

Performance parameter:
Maximum static load: 220N



Specification	Model	ERP
Square 6mm	MS845-1	MS845Z3AT05001
Slot	MS845-2	MS845Z1AT10007
Handle	MS845-3	MS845Z1A000013

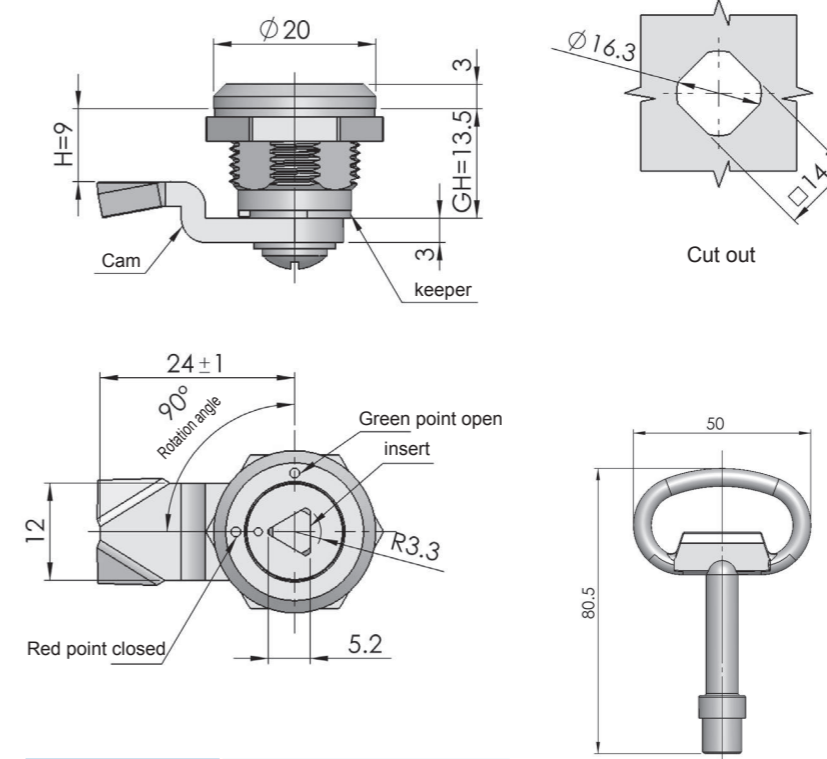
Remarks : Default cam S1V2400 (cut out 6x6)

MS845-7B



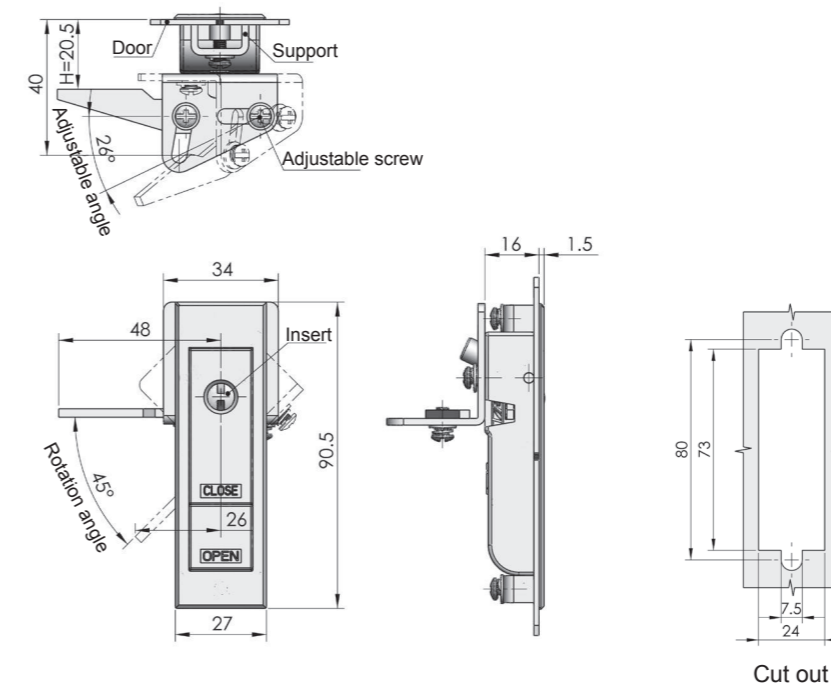
Main material and finish: stainless housing, insert, keeper and cam
Application: 90 degree rotation, positioned by keeper

Performance Parameter
Maximum static load: 270 N



ERP MS845S00T30001

PLANE LOCK SERIES



Specification	Model	ERP
Cam opening from left rotation	MS703-Z	MS703Z3A000001
Cam opening from right rotation	MS703-Y	MS703Z3A000003

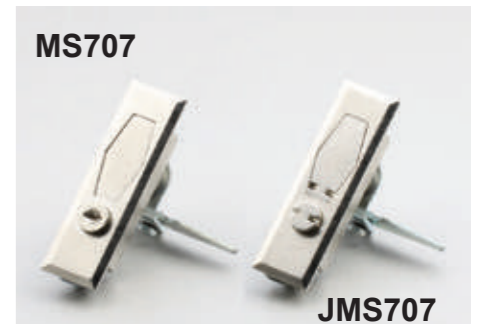
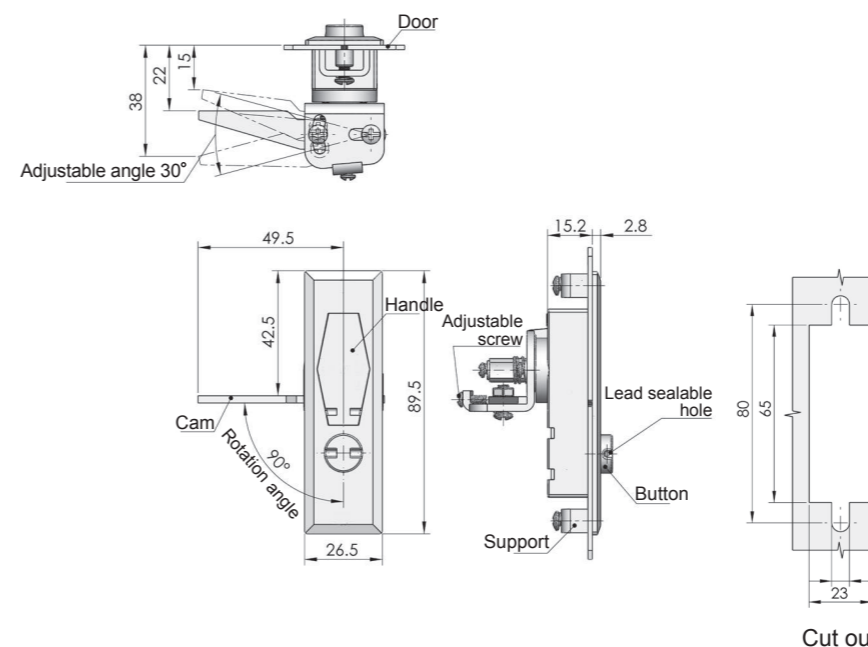


MS703

Main material and finish: Bright chrome-plated ZDC lock body and white zinc-plated steel cam

Application: Quick-open, easy assembling, by adjusting the cam screw to change the H and L of cam

Performance parameter:
Handle load tension capability: ≤350N
Maximum static load: 350N



MS707

Main material and finish: Blast-spraying and nickle plated ZDC housing, handle, button and insert, white zinc-plated steel cam

Application: Quick-open, easy assembling, by adjusting the cam screw to change the H and L of cam

Performance parameter:
Handle load tension capability: ≤900N
Maximum static load: 350N

Specification	Model	ERP	
		Opening from left rotation	Opening from right rotation
With insert	MS707	MS707Z3I000001	MS707Z3I000002
With lead sealable button	JMS707	MS707Z3I000003	MS707Z3I000004

Accessories
 Electronic lock
 Handle lock
 Cylinder lock
 Plane lock
 Rod control lock
 Panel lock
 Toggle and hook
 Handles
 Door stop
 Hinge
 Seal gasket

MS718-3



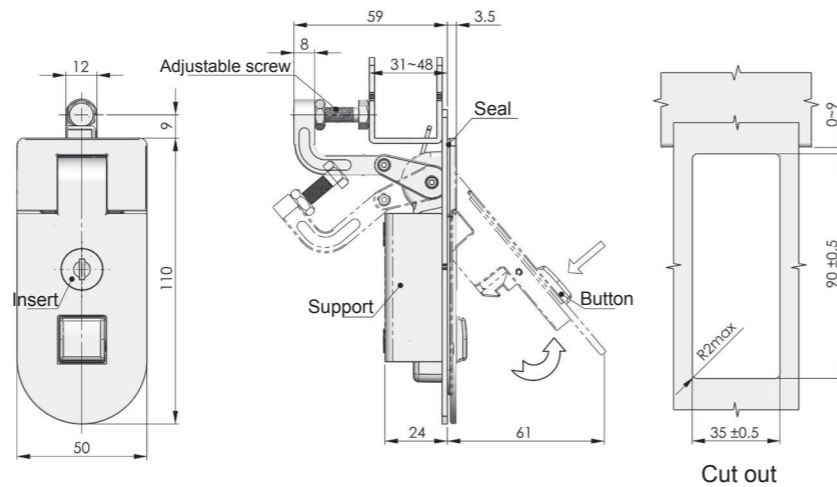
Main material and finish: Black powder coated ZDC housing, handle, insert and button, white zinc plated steel screw

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remarks: Default key K160

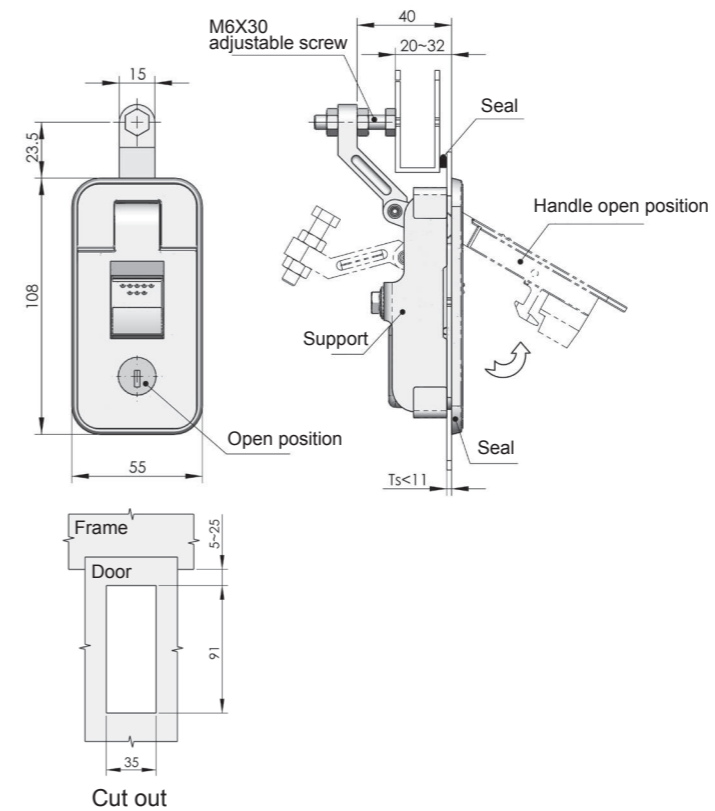
Performance parameter:

Handle load tension capability: ≤ 1500N
Maximum static load: 290 N



ERP

MS718Z1A160001



ERP

MS718Z3A650002

MS718-4C



IP65

Main material and finish: Bright chrome-plated ZDC housing, handle and button, white zinc-plated foot, connector, support and screw.

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remarks: Default key K650

Performance parameter:

Handle load tension capability: ≤ 790N
Maximum static load: 290N

MS718-3C



IP65

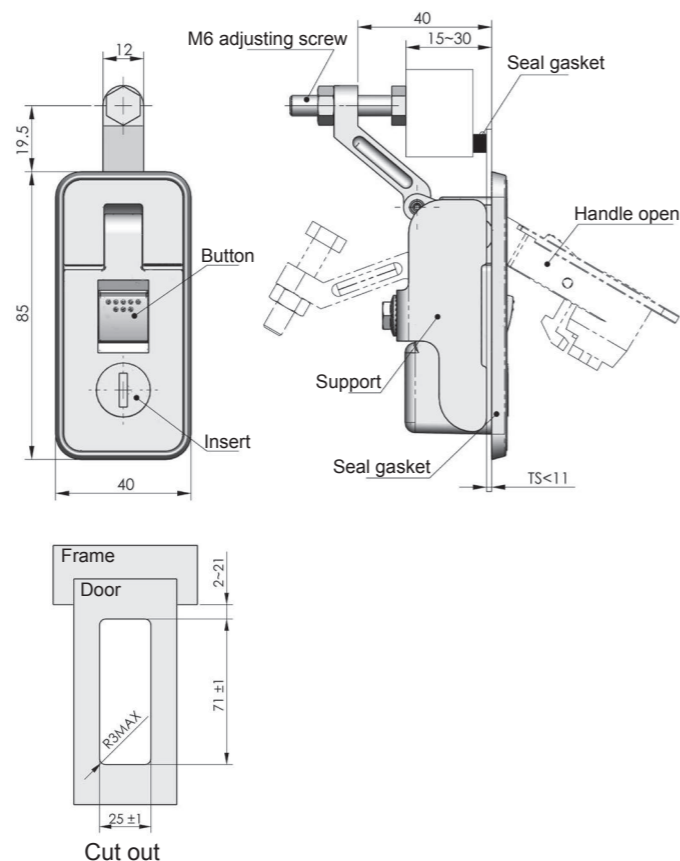
Main material and finish: Bright chrome-plated ZDC housing, handle and button, white zinc-plated support, connection, screw

Application: Quick open, easy assembling, adjust nut to fit different H

Remarks: Default K650 key

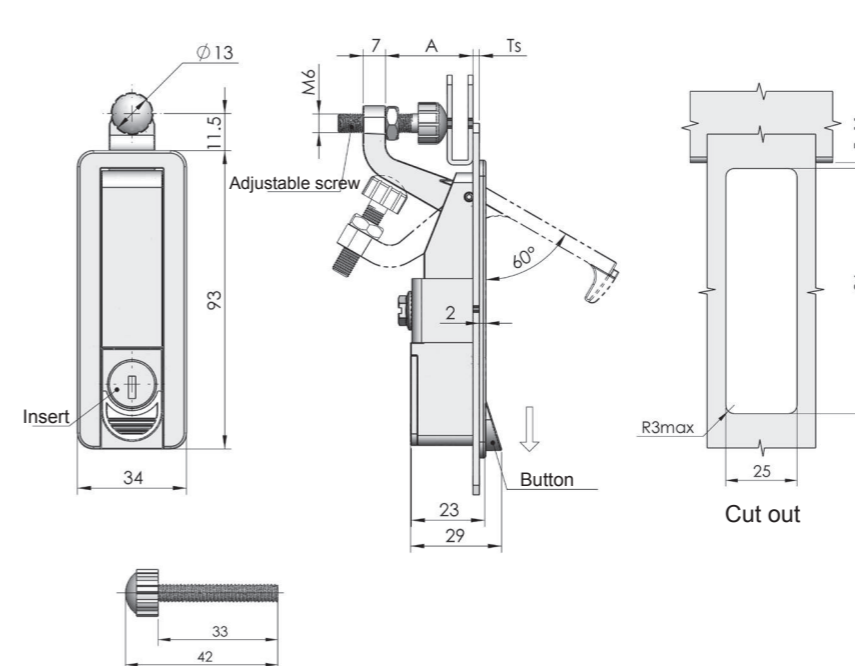
Performance parameter:

Handle load tension capability: ≤ 1300N
Maximum static load: 290N



ERP

MS718Z3A650001



Remarks: Default adjusting screw, others on request

Specification	A=29		A=50	
	Model	ERP	Model	ERP
With insert	MS719-1	MS719Z1A020001	MS719-2	MS719Z1A020002
Without insert	MS719-1A	MS719Z1A000001	MS719-2A	MS719Z1A000002

MS719



Main material and finish: Black powder coated ZDC housing, handle, insert and button, white zinc plated steel screw

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remarks: Default key k020

Performance parameter:

Handle load tension capability: ≤ 345N
Maximum static load: 200N

MS723-3



MS723-2

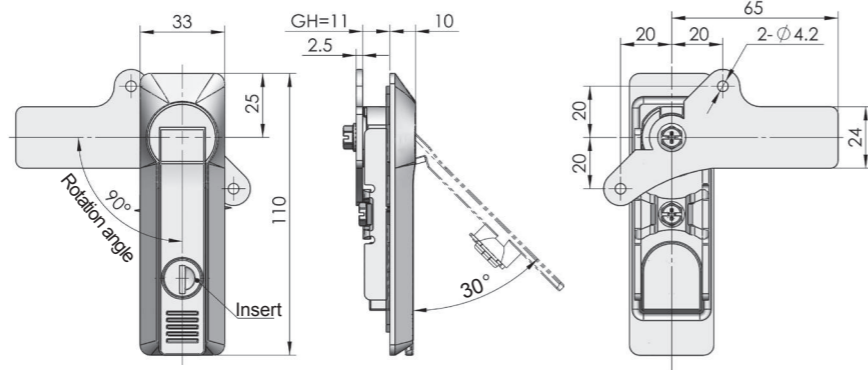


Main material and finish: Nanometer painted ZDC housing and handle
Application: Quarter-turn opening or closing, adjust cam direction to realize RH or LH application
Remarks: Default key K082

Default cam: S3B65Y00002

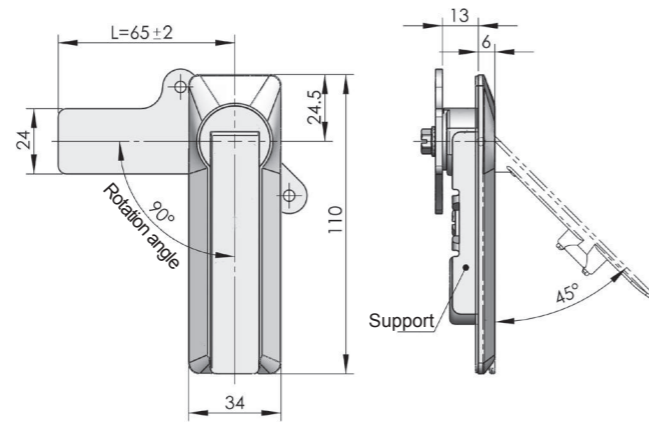
Performance parameter:
Handle load tension capability: ≤ 98N
Handle load torque capability: ≤ 14N.m
Maximum static load: 200N

MS723-2

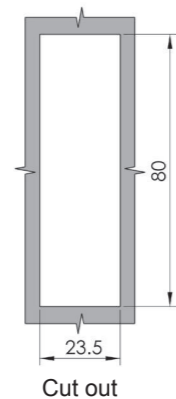


ERP MS723Z2B082002
 Remark: Default cam is S3B6500

MS723-3

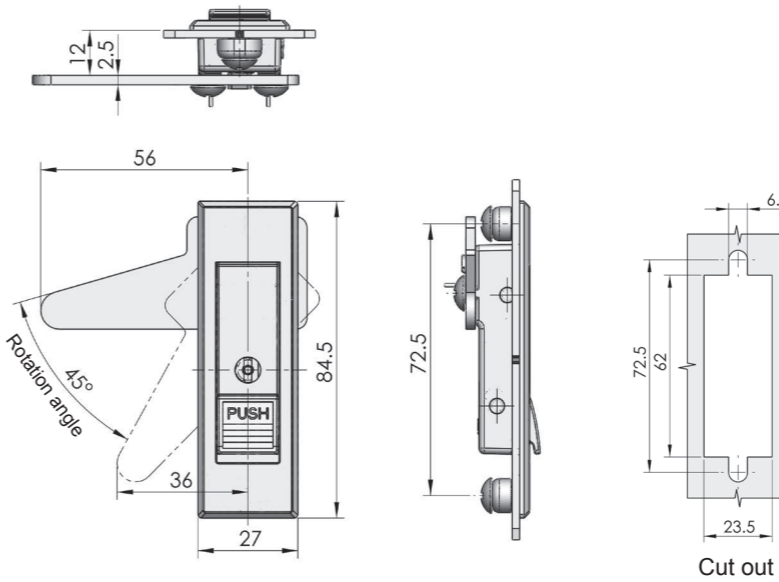
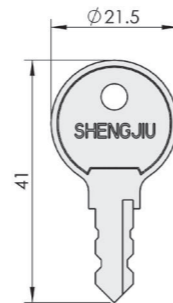


ERP MS723Z2B000001
 Remark: Default cam is S3B6500



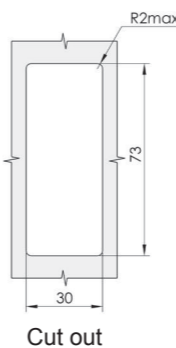
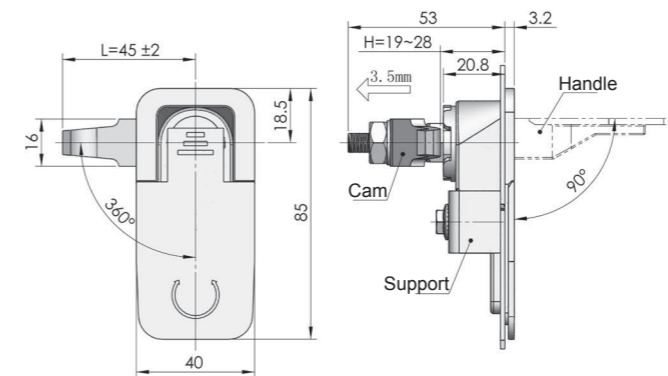
Cut out

Default key

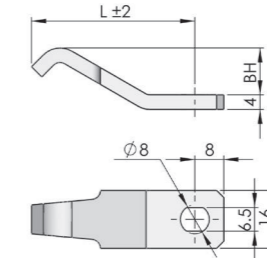


180 degree cam rotation to realize LH or RH (only for cam without bend)

Specification	Model	ERP	
		Nanometer painted	Sand-blast chrome-painted
ZDC button, with insert	MS720-1	MS720Z2B000001	MS720Z3H000014
ZDC button, without insert	MS720-2	MS720Z2B000015	MS720Z3H000025
Plastic button, with insert	MS720-1H	MS720Z2B000002	MS720Z3H000002
Plastic button, without insert	MS720-2H	MS720Z2B000007	MS720Z3H000004



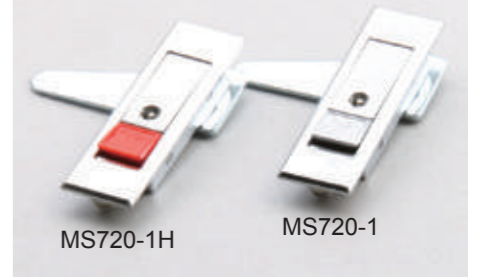
Cut out



Default cam S1K4513

	Black powder coated housing, handle	Bright chrome-plated housing, handle	Nanometer painted housing, handle
ERP	MS726Z1A000001	MS726Z3A000001	MS726Z2B000001

MS720



Main material and finish: ZDC housing, insert, ZDC button or PA button, white zinc-plated steel cam
Application: Quick-open, easy assembling, H variable

Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability: ≤ 555N
Maximum static load: 350N

MS726-1



Main material and finish: ZDC housing and handle, white zinc plated steel support and cam
Application: Quick-open, easy assembling. H variable by adjusting nut

Default cam: S1K45N13004

Performance parameter:
Handle load tension capability: ≤ 420N
Maximum static load: 400N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS726-1A



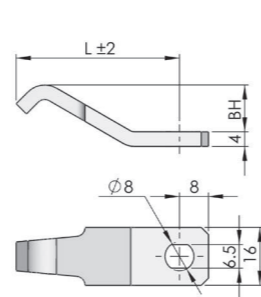
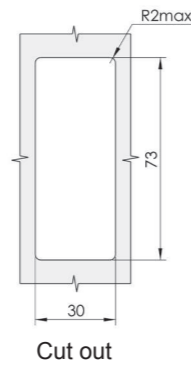
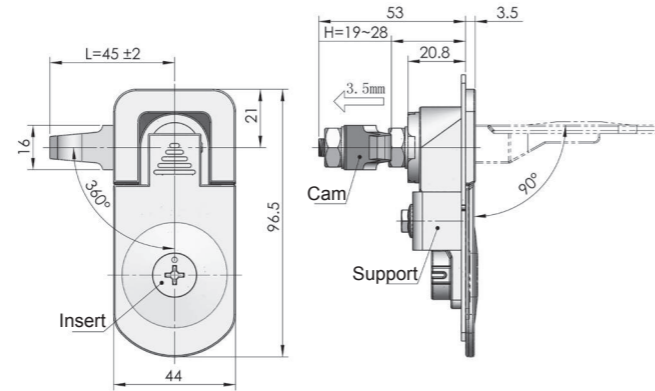
Main material and finish: Sand-spraying and bright chrome-plated ZDC housing, handle and insert, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut

Default cam: S1K45N13004

Performance parameter:

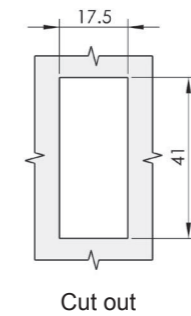
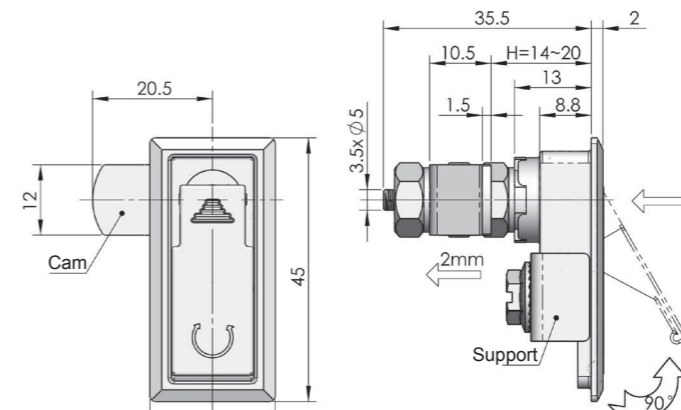
Handle load tension capability: ≤420N
Maximum static load: 400N



Default cam S1K4513

ERP

MS726Z3H000003



ERP

MS726Z2A000009

MS726-3



Main material and finish: Black painted ZDC housing and handle, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut

Default cam: S1W21N09001

Performance parameter:

Handle load tension capability: ≤245N
Maximum static load: 220N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS726-2



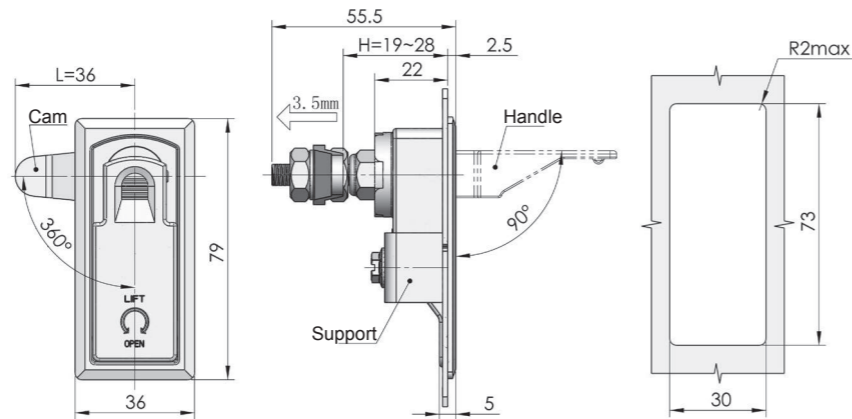
Main material and finish: ZDC housing and handle. white zinc plated steel support and cam

Application: Quick-open, easy assembling. H variable by adjusting nut

Default cam: S1K36N06001

Performance parameter:

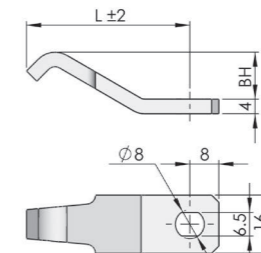
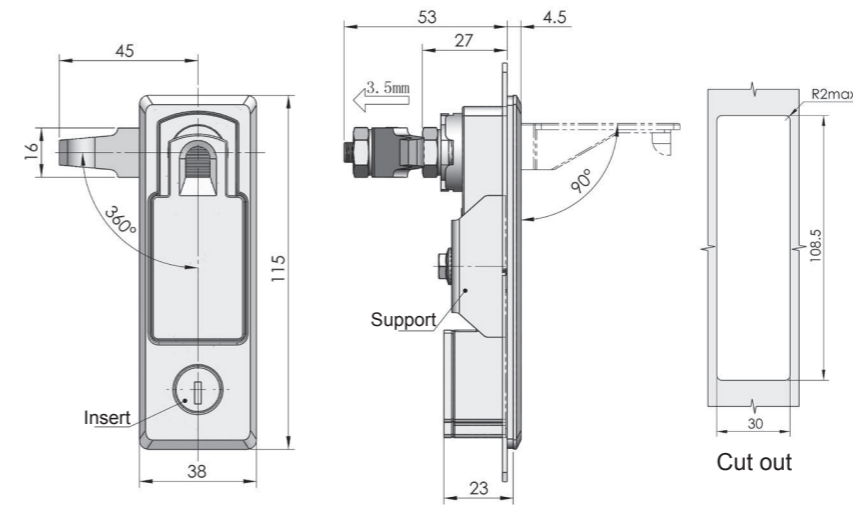
Handle load tension capability: ≤280N
Maximum static load: 400N



Cut out

	Black powder coated housing, handle	Bright chrome-plated housing, handle	Nanometer painted housing, handle
ERP	MS726Z1A000013	MS726Z3A000002	MS726Z2B000004

Remarks: The default cam S1K36N06(Cut size Ø8x6.5)



Default cam S1K4513

ERP

MS727Z1A020002

MS727



Main material and finish: Black powder coated ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut

Remarks: Default key K020

Default cam: S1K45N13004

Performance parameter:

Handle load tension capability: ≤690N
Maximum static load: 430N



RL

Main material and finish: Sand-spraying and chrome-plated ZDC housing and insert, ZDC button or PA button, white zinc-plated steel cam

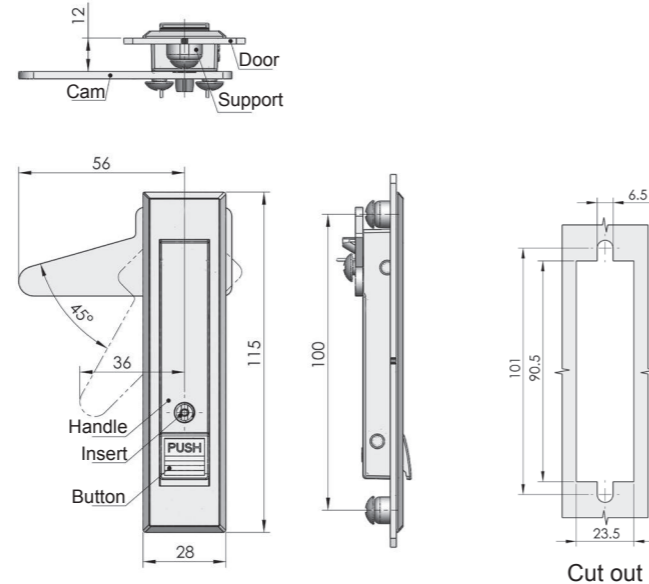
Application: Quick-open, easy assembling, H variable

Default cam: S1D56Y00002

Performance parameter:

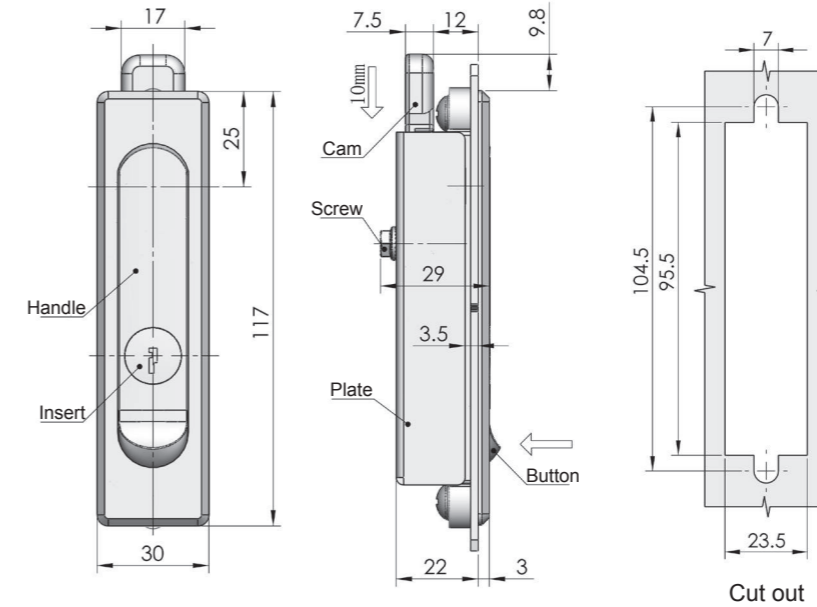
Handle load tension capability: ≤ 500N

Maximum static load: 350N



180 degree cam rotation to realize LH or RH (only for cam without bend)

Specification	Model	ERP	
		Nanometer painted	Sand-blast chrome-painted
ZDC button, with insert	MS728-1	MS728Z2B000005	MS728Z3H000001
ZDC button, without insert	MS728-2	MS728Z2B000006	MS728Z3H000005
Plastic button, with insert	MS728-1H	MS728Z2B000003	MS728Z3H000002
Plastic button, without insert	MS728-2H	MS728Z2B000004	MS728Z3H000006



	Painted (black) housing, handle	Nanometer painted housing, handle
ERP	MS730Z2A200002	MS730Z2B200002



Main material and finish: ZDC housing, insert, and button, white zinc-plated ZDC cam

Application: Quick-open, easy assembling, front-end of lock tongue is suitable to special frame structure

Default cam: S1D56Y00002

Performance parameter:

Handle load tension capability: ≤ 540N

Maximum static load: 400N



RL

Main material and finish: ZDC housing, insert, and button, white zinc-plated steel cam

Application: Quick-open, easy assembling, H variable

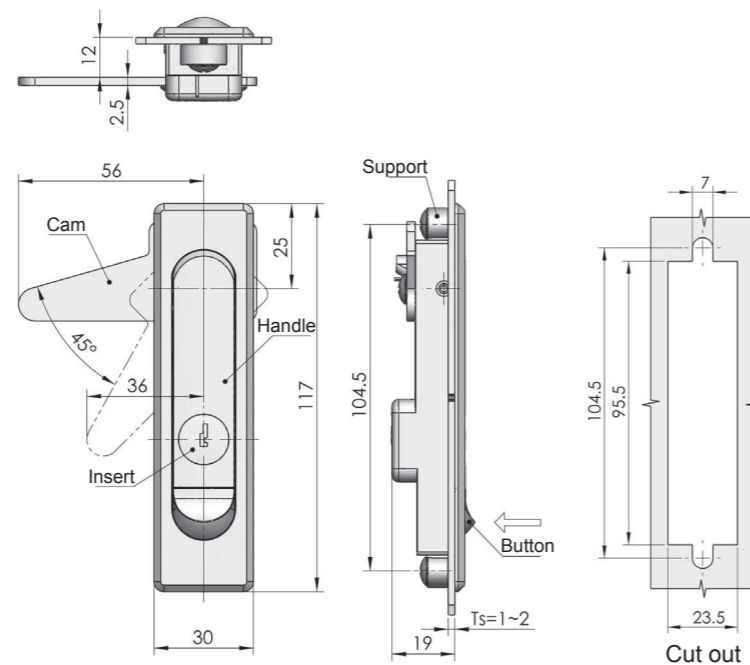
Remarks: Default key K200

Default cam: S1D56Y00002

Performance parameter:

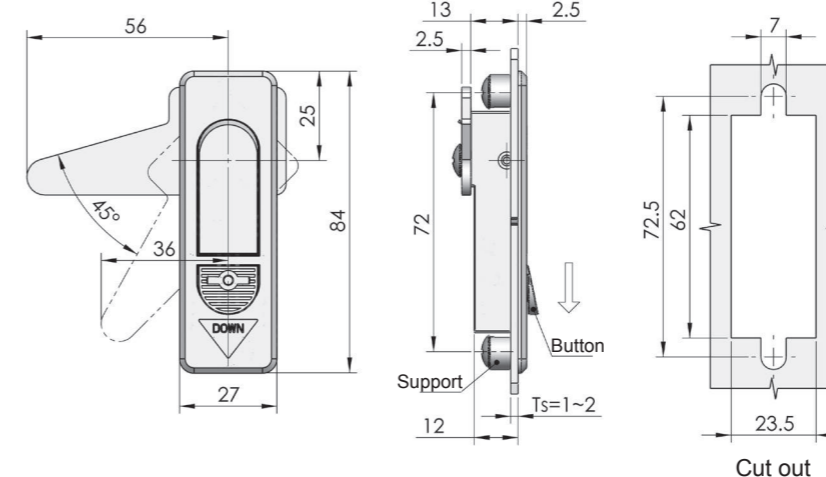
Handle load tension capability: ≤ 600N

Maximum static load: 350N



180 degree cam rotation to realize LH or RH (only for cam without bend)

	Painted (black) housing, handle	Nanometer painted housing, handle
ERP	MS730Z2A200001	MS730Z2B200018



180 degree cam rotation to realize LH or RH (only for cam without bend)

ERP	MS732Z3A000001
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RL

Main material and finish: Bright chrome-plated ZDC housing, handle and button, zinc-plated steel cam

Application: Quick-open design, easy installation. Bend the cam to suit the different H

Default cam: S1D56Y00002

Performance parameter:

Handle load tension capability: ≤ 555N

Maximum static load: 350N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS736



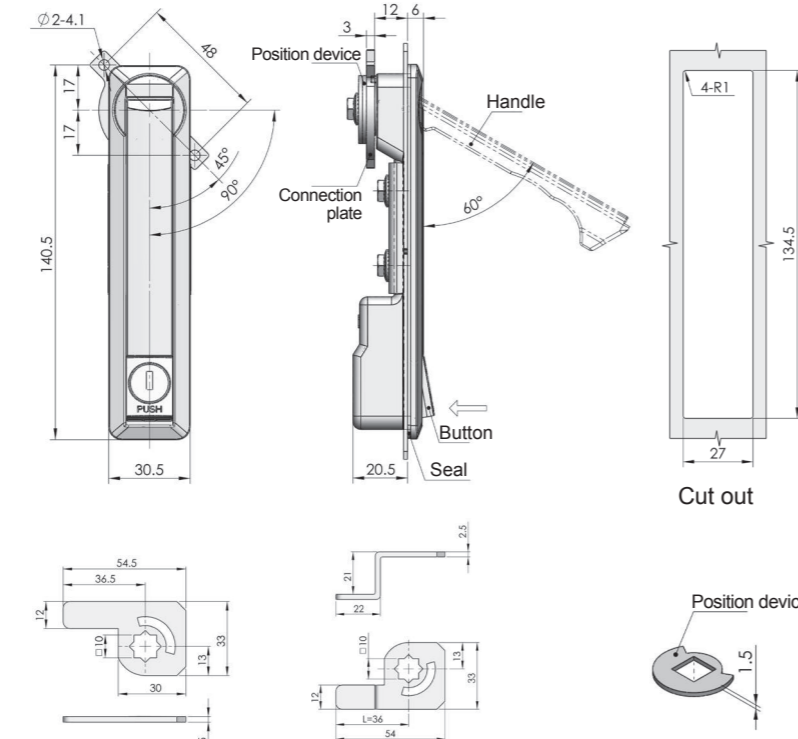
RL

Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open, easy assembling, one-point locking or three-point locking function will be achieved with different cam mounted on

Remarks: Default key k060
Default cam: 2893240002

Performance parameter:
Handle load tension capability: ≤ 980N
Handle load torque capability: ≤ 14N.m
Maximum static load: 270N

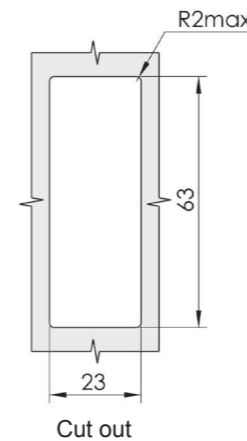
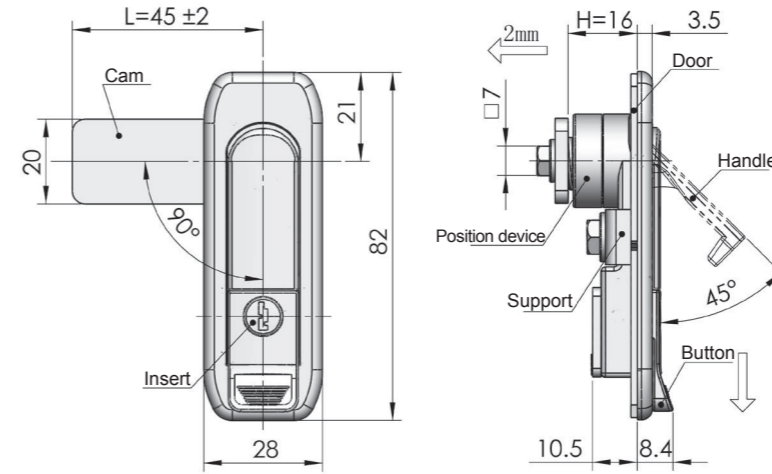


Optional cam S1C3700D Optional cam S1C3621D

ERP **MS736Z2B060001**

Remarks: The default cam is S2C2400

Remarks: Change the assembling position of the position device and cam to adjust the stop height, thickness of position device is 1.5mm, change the fitting direction of position device to realize RH or LH application



Remarks: Change the fitting direction of position device and cam to realize RH or LH application

Specification	Model	ERP
With insert	MS738-1	MS738Z2B110009
Without insert	MS738-2	MS738Z2B000002

Remarks: The default cam is S1A4500

MS737



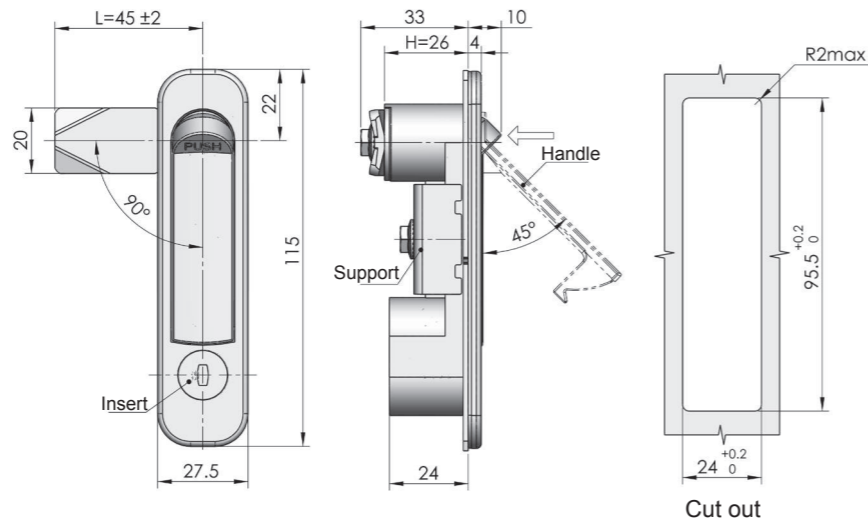
RL

Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open, easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on.

Remarks: Default key k110
Default cam: S1B45Y00002

Performance parameter:
Handle load tension capability: ≤ 340N
Handle load torque capability: ≤ 11N.m
Maximum static load: 270N



ERP **MS737Z2B110001**

Remarks: The default cam is S1B4500(Option 8*8cam)

MS738



RL

Main material and finish: Nanometer painted ZDC housing, handle and button, ZDC insert, white zinc plated steel support and cam

Application: Quick-open, easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on

Remarks: Default key k113

Default cam: S1A45Y00004

Performance parameter:
Handle load tension capability: ≤ 250N
Handle load torque capability: ≤ 14N.m
Maximum static load: 270N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS738-1A



Material: Zamak housing, handle, cylinder; Q235 support, cam
Finish: Nanometer painted housing, handle, button, white zinc plated support cam
Structure: Quick-open, easy assembling. One-point locking and three-point locking function will be achieved with different cam mounted on.

Remarks: The default key of it is K020

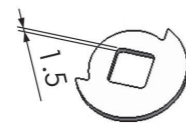
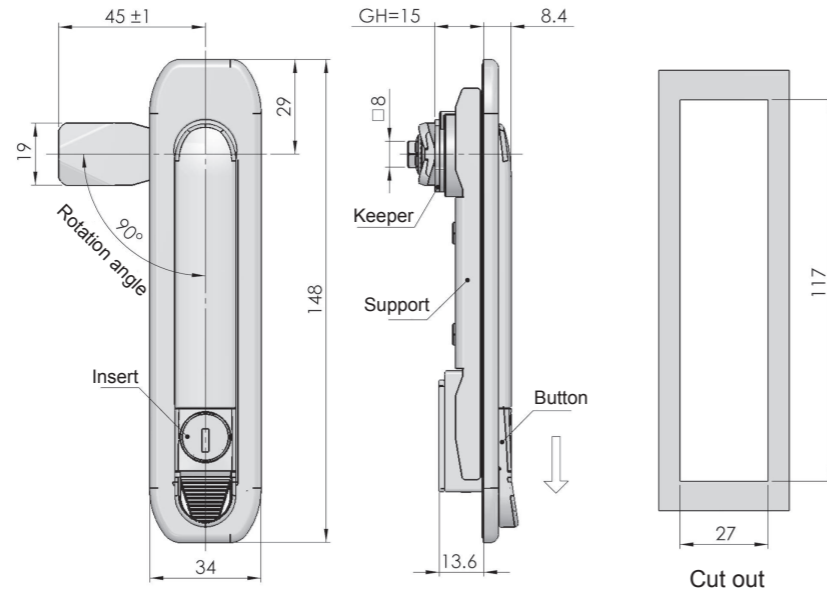
Default cam: S1B45Y00005

Performance parameter:

Handle load tension capability: ≤ 690N

Handle load torque capability: ≤ 40N.m

Maximum static load: 270N



Remarks: Change the fitting position of the position device and cam can be adjusted the GH, the thickness of the position device is 1.5mm. Change the location of the position device can realize the LH or RH application

ERP

MS738Z2B020002

MS738-2A



Material: Zamak housing, handle, cylinder; Q235 support, cam
Finish: Nanometer painted housing, handle, white zinc plated support cam
Structure: Quick-open, easy assembling. One-point locking and three-point locking function will be achieved with different cam mounted on.

Remarks: The default key of it is K020

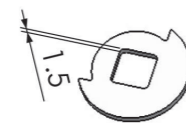
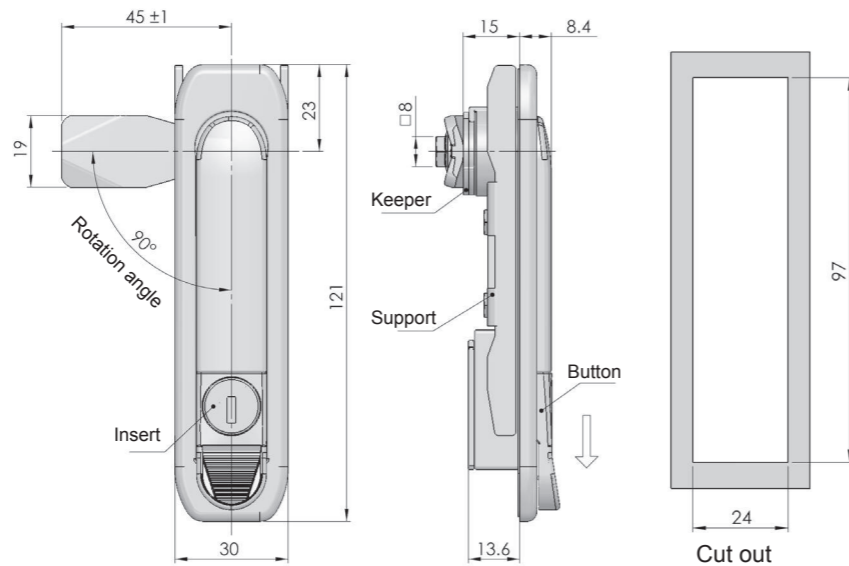
Default cam: S1B45Y00005

Performance parameter:

Handle load tension capability: ≤ 510N

Handle load torque capability: ≤ 40N.m

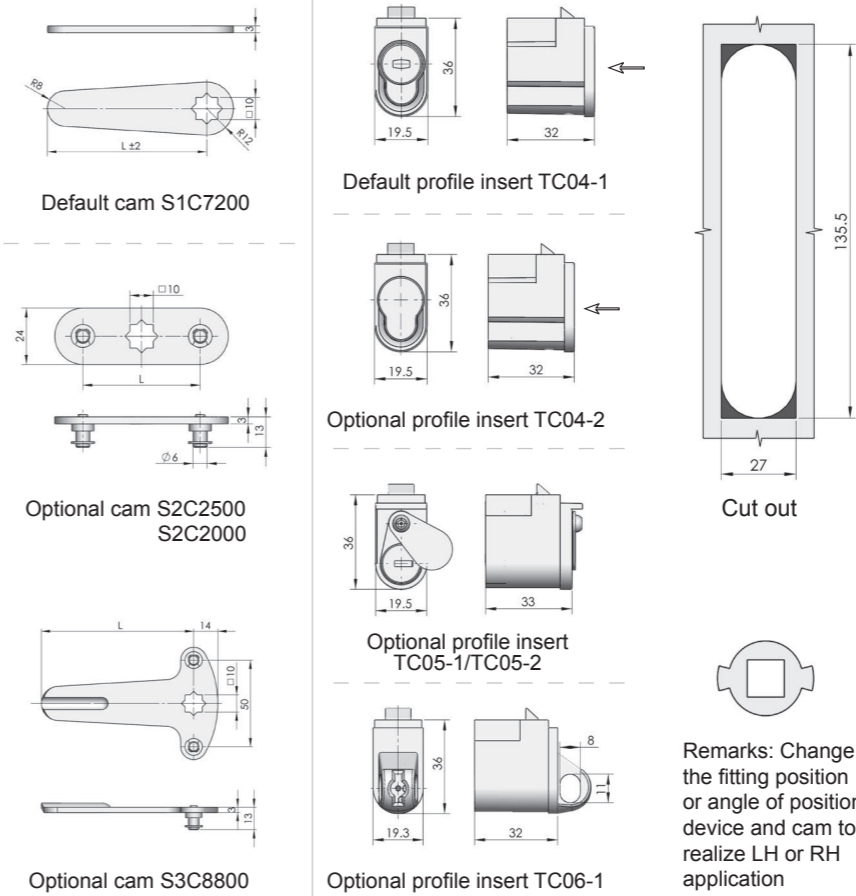
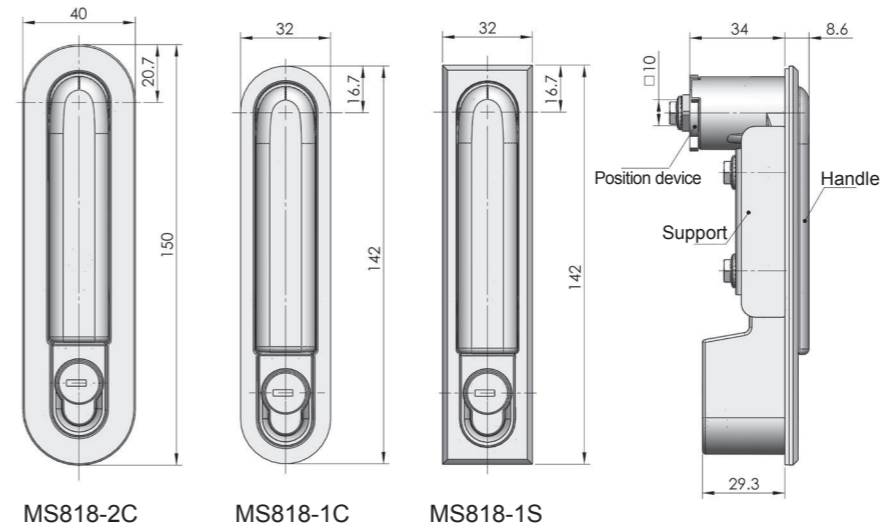
Maximum static load: 270N



Remarks: Change the fitting position of the position device and cam can be adjusted the GH, the thickness of the position device is 1.5mm. Change the location of the position device can realize the LH or RH application

ERP

MS738Z2B020001



Program	ERP	
	Black powder coated	Nanometer painted
MS818-1C	MS818Z1A040001	MS818A2B040001
MS818-2C	MS818A1A040003	MS818A2B040003
MS818-1S	MS818Z1A040003	MS818Z2B040003

MS818



Main material and finish: Black powder coated aluminium-alloy housing and ZDC handle, bright chrome plated ZDC profile insert, white zinc plated steel support and cam
Application: Quick-open, easy assembling. one-point locking or three-point locking function will be achieved with different cam mounted on

Remark: Default profile insert TC04-1, Default key K040

Default cam: S1C72Y00002

Performance parameter:

MS818-1S: Handle load tension capability: ≤ 250N

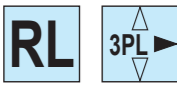
Handle load torque capability: ≤ 30N.m

MS818-1C/2C: Handle load tension capability: ≤ 430N

Handle load torque capability: ≤ 25N.m

Max static load :300N

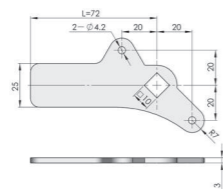
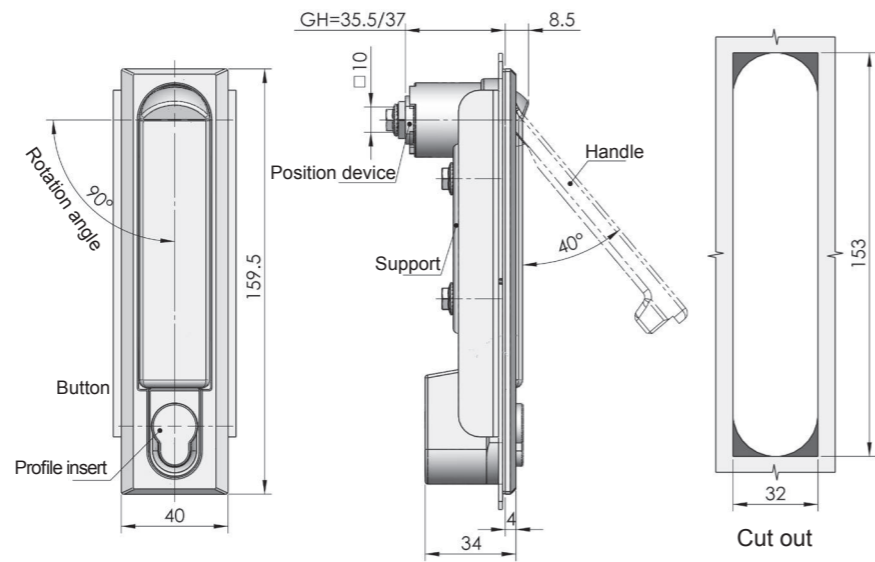
MS818-3B



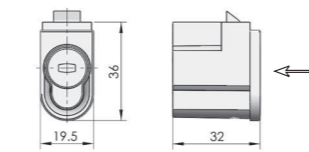
Main material and finish: Nanometer painted housing, handle, bright chrome-plated ZDC profile insert, white zinc-plated steel support and cam
Application: Quick-open, easy assembling, change cam to have one-point or three point locking function
Remarks: Default profile insert TC04-2, default key K040

Default cam: S3C72Y00002

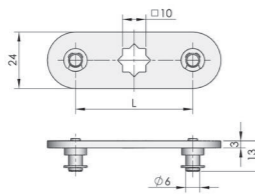
Performance parameter:
Handle load tension capability: ≤ 500N
Handle load torque capability: ≤ 28N.m
Maximum static load: 300N



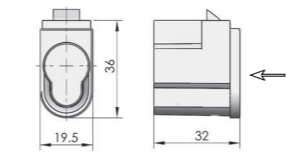
Default cam S3C7200



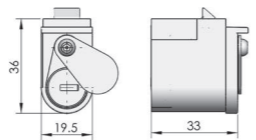
Default profile insert TC04-1



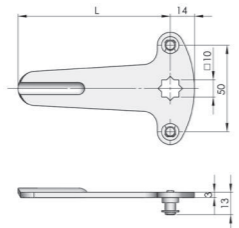
Optional cam S2C2500
S2C2000



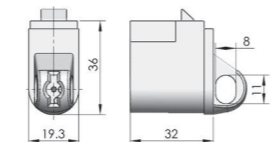
Optional profile insert TC04-2



Optional profile insert TC05-1/TC05-2



Optional cam S3C8800



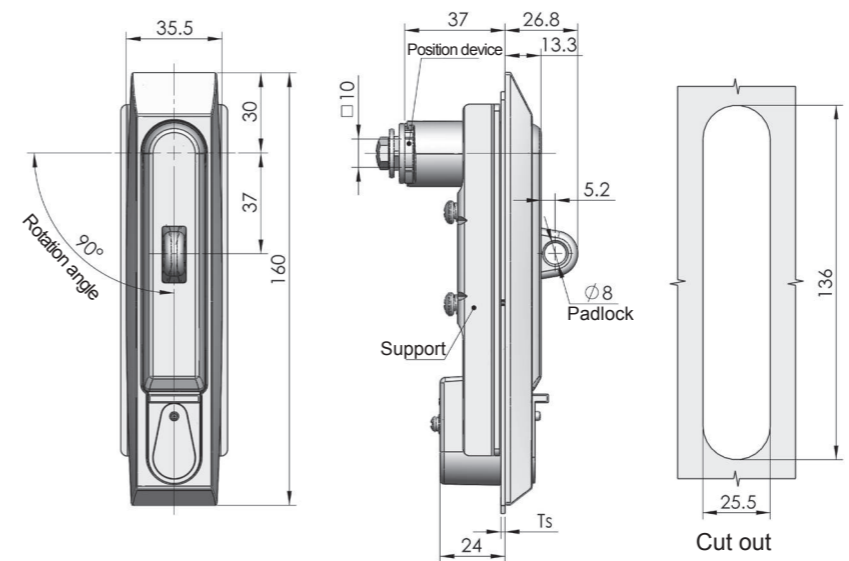
Optional profile insert TC06-1



Remarks: Change the fitting position or angle of position device and cam to suit LH or RH application

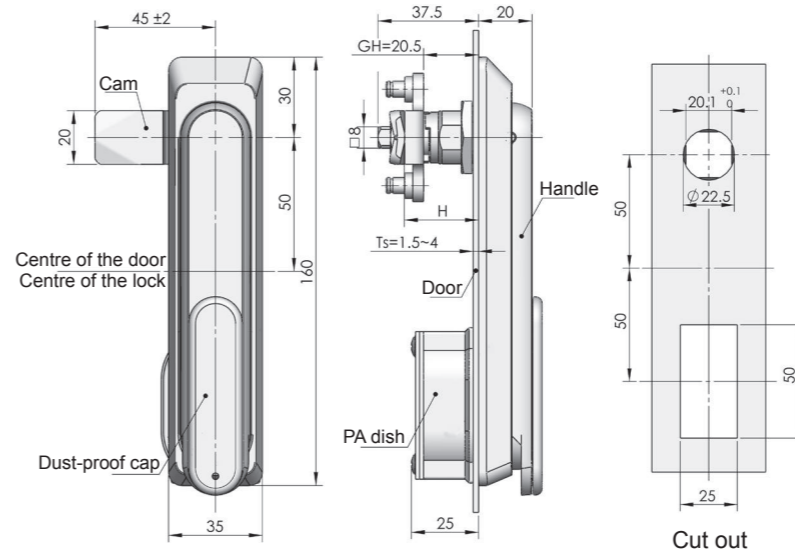
ERP	MS818Z2B000002
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Remark: Default cam S3C7200



	MS834-5-P with padlock	MS834-5 without padlock
ERP	MS834Z1A043001	MS834Z1A043003

Remarks : ERP excludes cam (optional 10*10)



Remarks: Default cam S3B4510, H=20.5+10, default profile insert TC01. Cam cutout square 8mm, optional cam, three-point, two-point or one-point cam, see cam list on P007

ERP	MS874S4BE03001
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Remark: Default cam S3B4510

MS834-5



Main material and finish: Black powder coated ZDC housing and handle, bright chrome-plated ZDC profile insert, stainless steel support
Application: Open the handle upward, quarter-turn opening or closing, padlockable
Remarks: Default key K043

Performance parameter:
Handle load tension capability: ≤ 310N
Handle load torque capability: ≤ 33N.m
Tips: Tighten the lock cover is helpful to protect the insert
Max static load : 300N

MS874



Main material and finish: Stainless steel lock-body and cam, PA dish
Application: Open the handle upward, quarter-turn opening or closing
Remarks: Default profile insert TC01

Default cam: 2882451002
Performance parameter:
Handle load tension capability: ≤ 485N
Handle load torque capability: ≤ 25N.m
Maximum static load: 300N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS839



Main material and finish: Pocked black powder coated handle and housing, bright chrome-plated profile insert, white zinc-plated steel support and cam

Application: Lead sealable, stop height is variable according to the adjusting nut on cam

Remarks: Default TC01 profile insert, default key K140

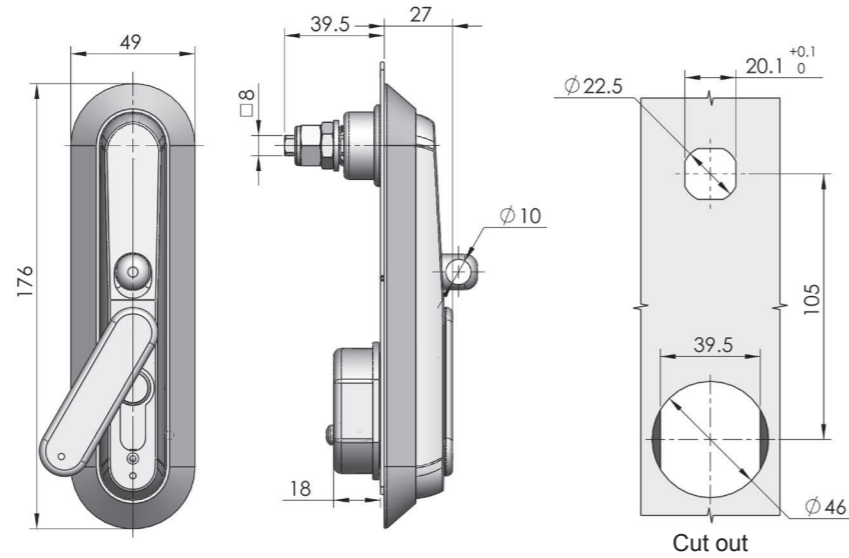
Default Cam: S1C72Y00002

Performance parameter:

Handle load tension capability: ≤ 700N

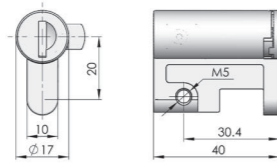
Handle load torque capability: ≤ 40N.m

Maximum static load: 300N

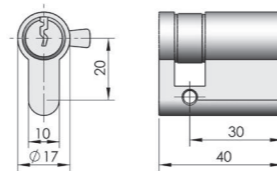


Remark: 8*8 cam series for option

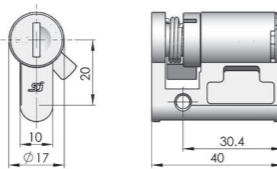
TC01(Default)



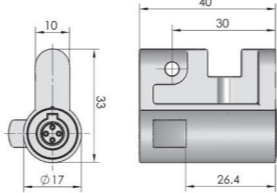
TC03-1(Optional)



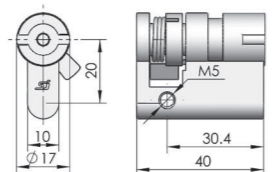
TC01-2(Optional)



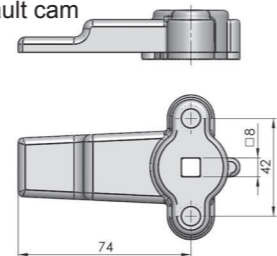
TC18(Optional)—P128



TC02-1(Optional)

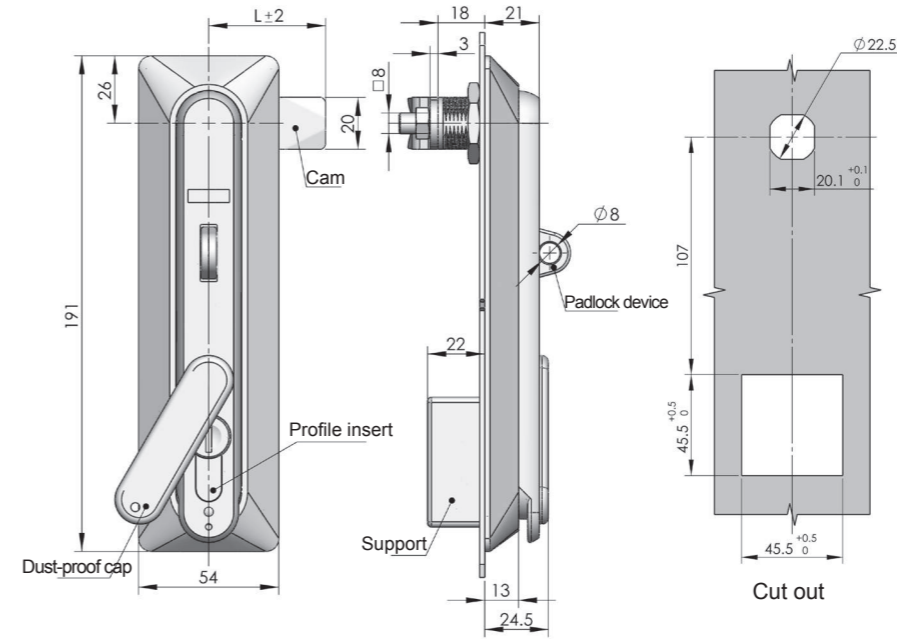


Default cam



Specification	Model	ERP
ZDC handle and housing (Without padlock)	MS839-1	MS839Z1B031003
ZDC handle and housing (With padlock)	MS839-1-P	MS839Z1B140002
ZDC handle and PA housing (Without padlock)	MS839-1F	MS839N00140008
ZDC handle and PA housing (With padlock)	MS839-1F-P	MS839N00140002

Remark: Default cam S3B7400



MS839-5



Main material and finish: PA housing, black powder coated ZDC handle, white zinc-plated steel cam

Application: 360 degree handle rotation, padlockable, profile insert adjustable

Remarks: Default profile insert TC01, default key K140

Performance parameter:

Handle load tension capability: ≤ 630N

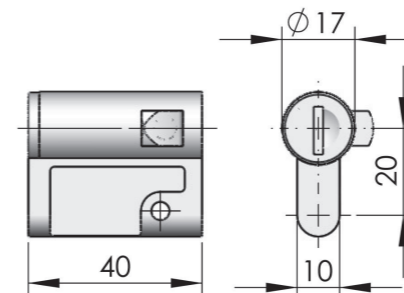
Handle load torque capability: ≤ 38N.m

Maximum static load: 300N

	MS839-5-1 Without padlock	MS839-5-1P With padlock
ERP	MS839N00140007	MS839N00140010

Remarks: The default cam is S3B4507 (Option 8*8cam)

TC01 (Default)



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

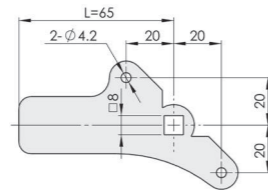
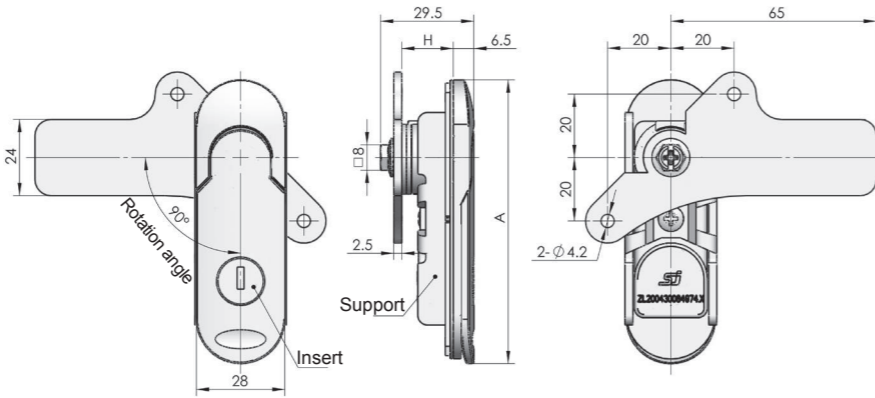
MS843



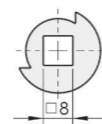
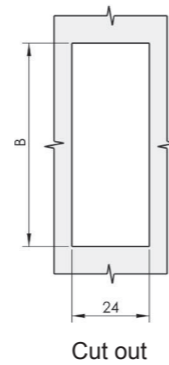
Main material and finish: Nanometer painted ZDC handle and housing, white zinc-plated steel support and cam
Application: Open the handle upward, quarter-turn rotation opening
Remarks: Default key K080

Default cam: S3B65Y00002

Performance parameter:
Handle load tension capability: ≤ 180N
Handle load torque capability: ≤ 14N.m
Maximum static load: 190N

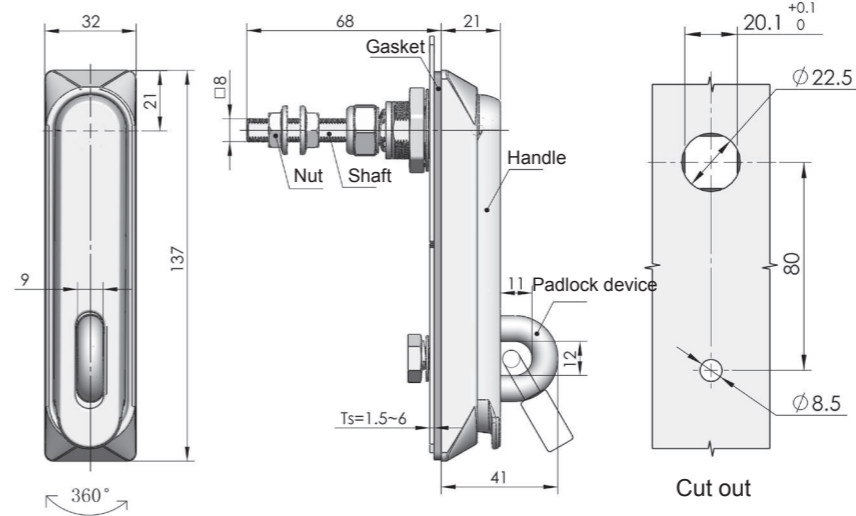


Default cam S3B6500

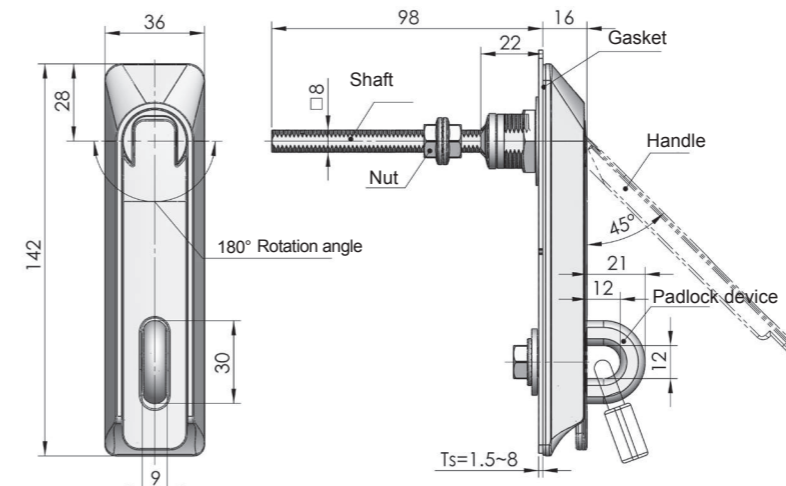


Remarks: Change the fitting position of the position device and cam to adjust the stop height, change the fitting direction to suit RH or LH application

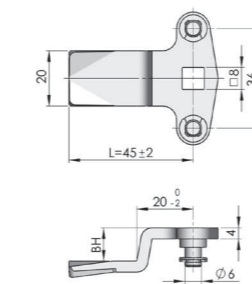
Specification	With insert		Without insert	
	Model	ERP	Model	ERP
A=89 B=63	MS843-1	MS843Z2B080013	MS843-1A	MS843Z2B000011
A=107 B=80	MS843-2	MS843Z2B080016	MS843-2A	MS843Z2B000012
A=123 B=96	MS843-3	MS843Z2B080020	MS843-3A	MS843Z2B000005



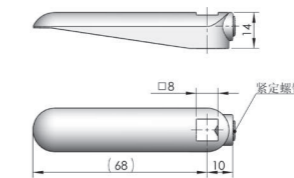
MS860-1



MS860-2



Default cam S3B4500



Optional cam S1B6800X

Model	ERP	Material & Finish
MS860-1	MS860S4B000001	Stainless steel(Brushed polish)
MS860-2	MS860Z3G000001	Yellow nickel plated zinc alloy

MS860



Structure: The H dimension can be adjusted by nut, padlock available

Default cam: 2882450007(Stainless steel)
 2882450002(White zinc plated steel)

Performance parameter:
Handle load tension capability: ≤ 280N
Handle load torque capability: ≤ 42N.m
Maximum static load: 300N

Accessories
 Electronic lock
 Handle lock
 Cylinder lock
 Plane lock
 Rod control lock
 Panel lock
 Toggle and hook
 Handles
 Door stop
 Hinge
 Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS861

RL **IP54**

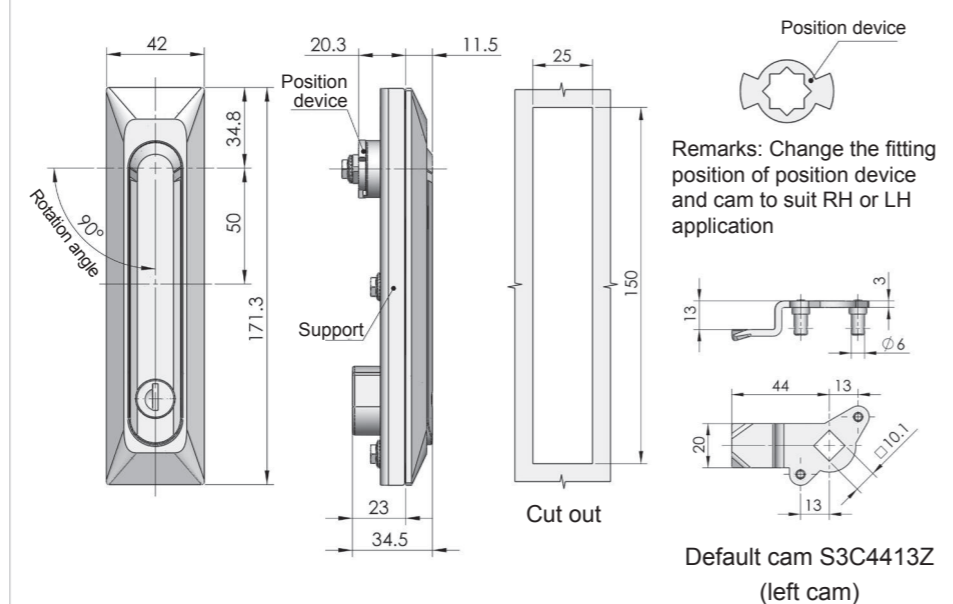
Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft

Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding

Remarks: Default key K140

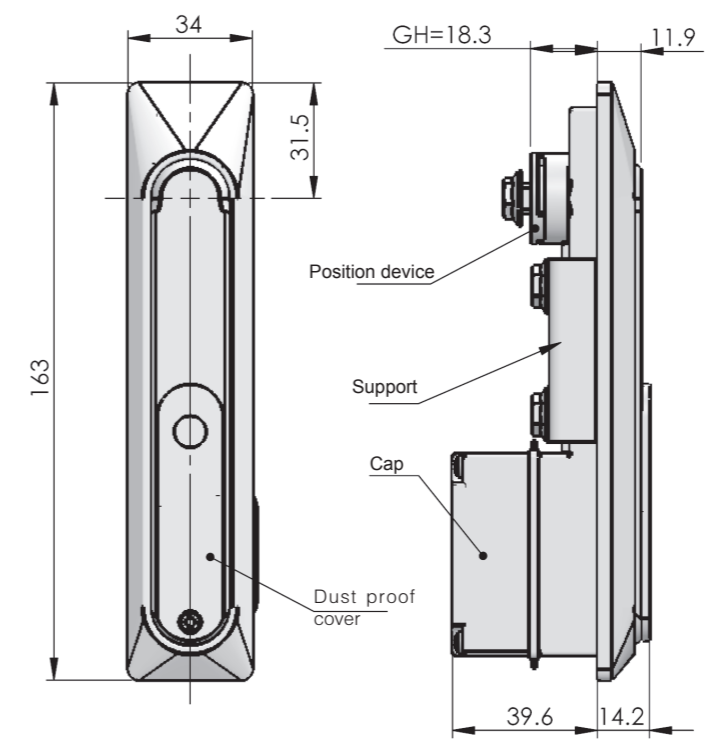
Default cam: S3C44Y13005(Right)
S3C44Y13002(Left)

Performance parameter:
Handle load tension capability: $\leq 570N$
Handle load torque capability: $\leq 14N.m$
Maximum static load: 300N



ERP	MS861Z1B140021
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Remark: Default cam S3C4413Z (cut size 10*10)



ERP	MS861ZXX140001
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MS861-2G

RL **IP65**

Main material and finish: Main material and finish: ZDC housing, handle and shaft, steel support;

Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application;

Remarks: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2

Performance parameter:
Handle load tension capability: $\leq 390N$
Handle load torque capability: $\leq 12N.m$
Maximum static load: 300N



MS861-2

RL **IP54**

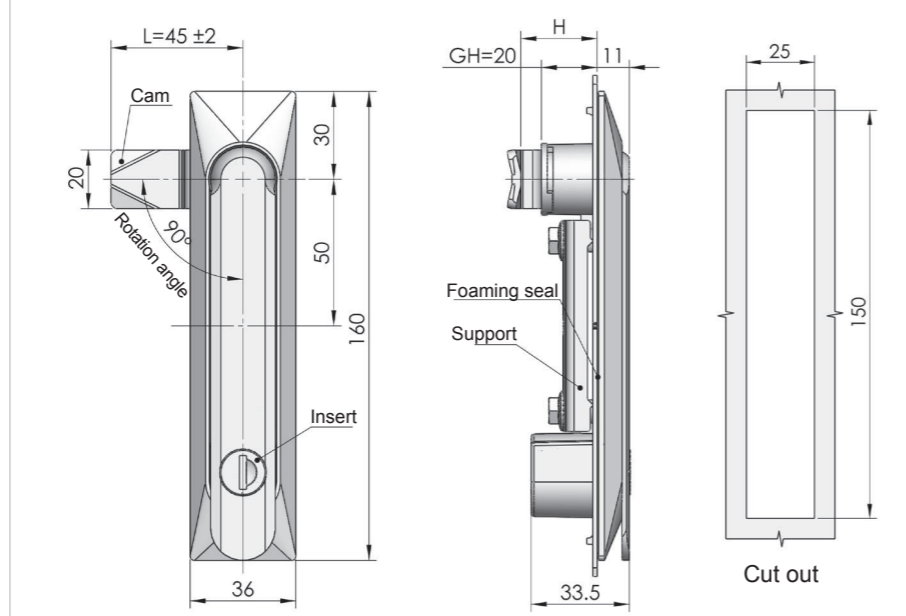
Main material and finish: ZDC housing, handle and shaft, white zinc-plated steel cam

Application: Open the handle upward, quarter-turn rotation opening

Remarks: Default K140 key

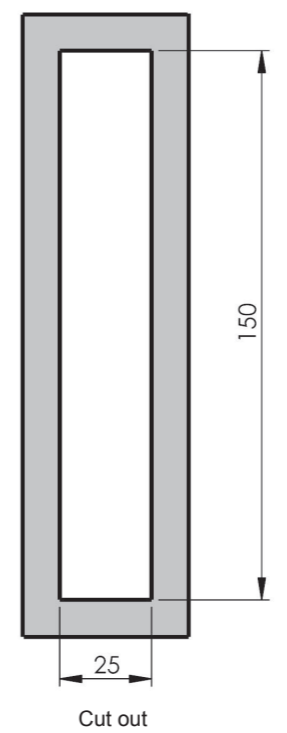
Default cam: 2882451002

Performance parameter:
Handle load tension capability: $\leq 390N$
Handle load torque capability: $\leq 12N.m$
Maximum static load: 300N



	Pocked black powder coated housing and handle	Nanometer painted housing and handle
ERP	MS861Z1B140017	MS861Z2B140003

Remark: Default cam S3B4510 (cut size 8*8)



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS861-2H



NEW



Main material and finish: ZDC housing, handle and shaft;

Application: Open the handle upward quarter-turn opening,

Remarks: SUS304 screw, cam can be S1B series or S3B series

Performance parameter:

Handle load tension capability: ≤ 390N

Handle load torque capability: ≤ 12N.m

Maximum static load: 300N

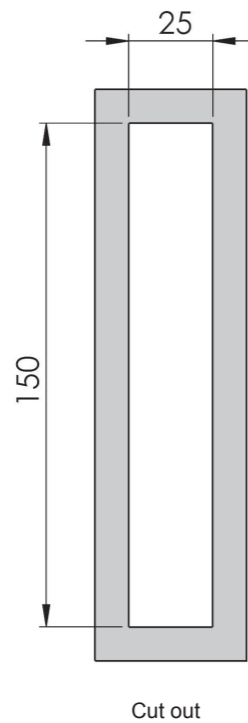
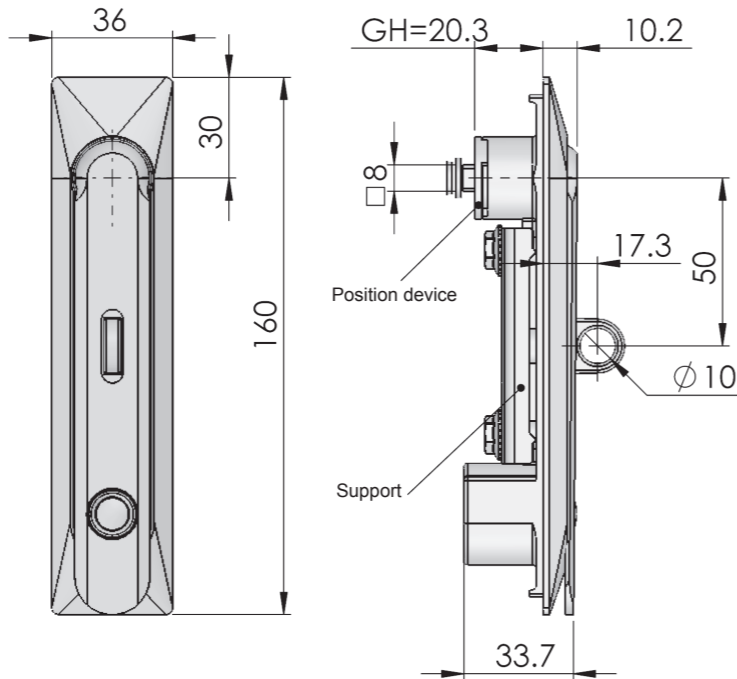
MS861-2H Brass padlock



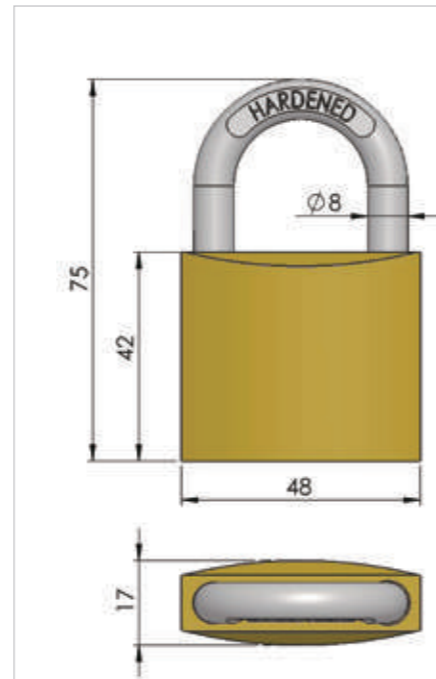
NEW

Main material and surface: Spraying essential oil after polishing on HPB59-1 lock shell, chrome plated steel lock hook;

Remarks: S-shape profile cylinder, default key K72-3, Key alike only, with padlock.



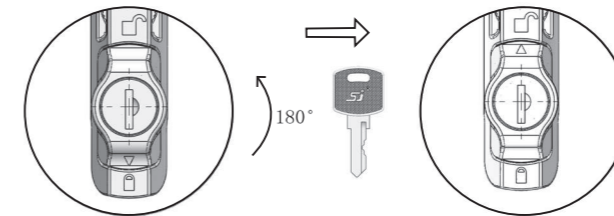
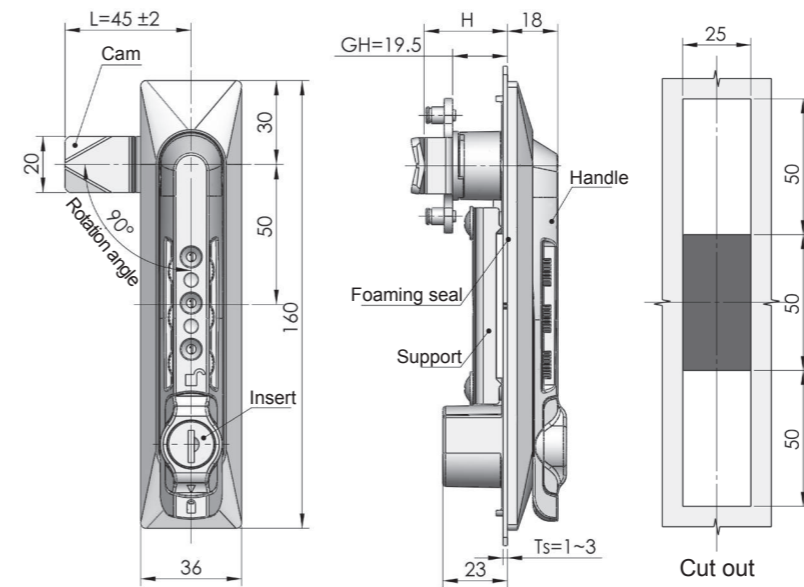
Cut out



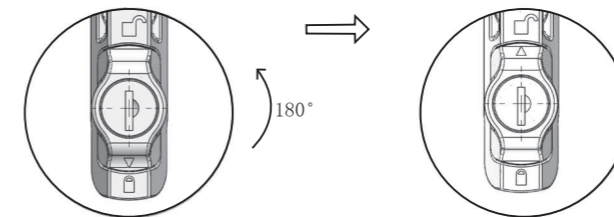
ERP	Description
1118610001	with key
1118610002	without key

ERP

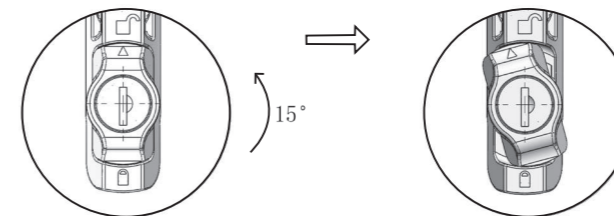
MS861ZXX000001



Use key to open the lock, without password



Enter password to open the lock, open lock with password instead of key, original password: "0,0,0"



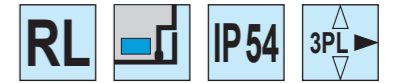
Change the password (It is correct), when knob indicates opening position, anti-clockwise rotation 15 degree to change the password

ERP

MS861N00140001

Remark: Default cam S3B4510 (Optional cam 8*8)

MS861-2A



Main material and finish: Black PA housing, handle and knob, white zinc-plated steel cam and support

Application: Refer to instruction along with

Remarks: Default key K140

Default cam: 2882451017

Handle load tension capability: ≤ 60N

Handle load torque capability: ≤ 5N.m

Maximum static load: 300N

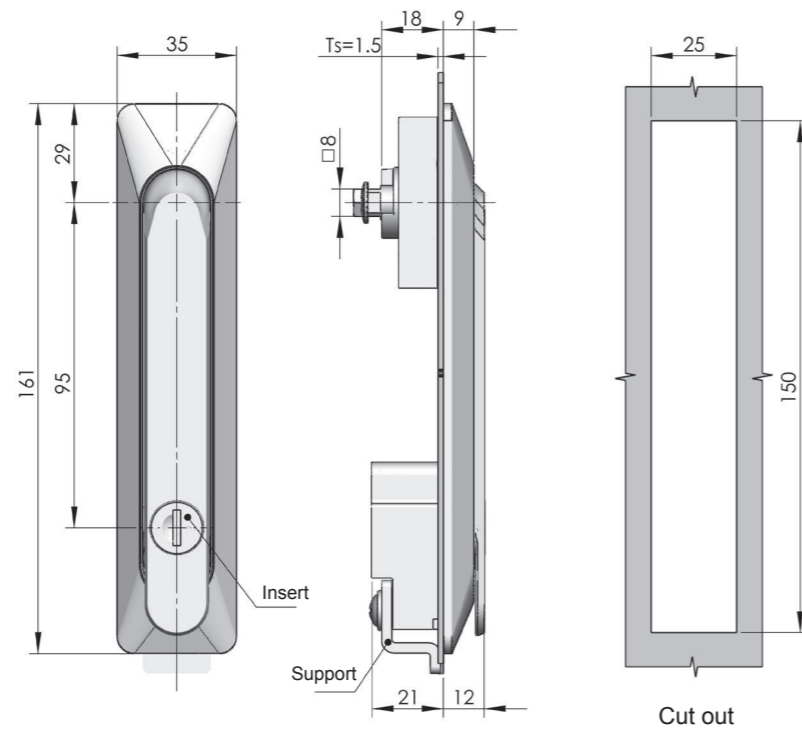
MS861-3



Main material and finish: PA handle, housing, drive box
Application: Quarter-turn opening and close, position device direction to suit RH or LH application;
Remarks: Default key K193

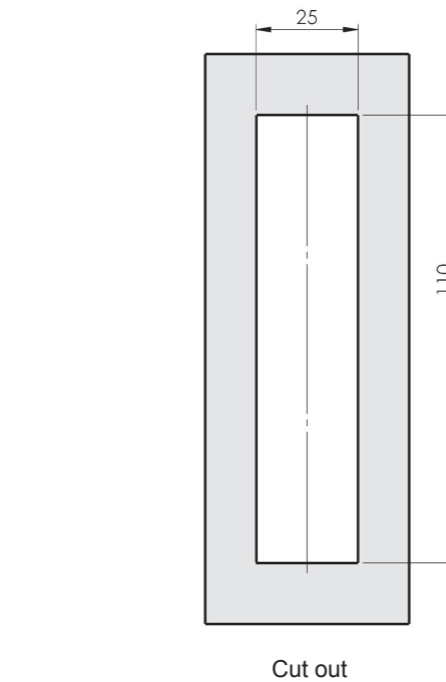
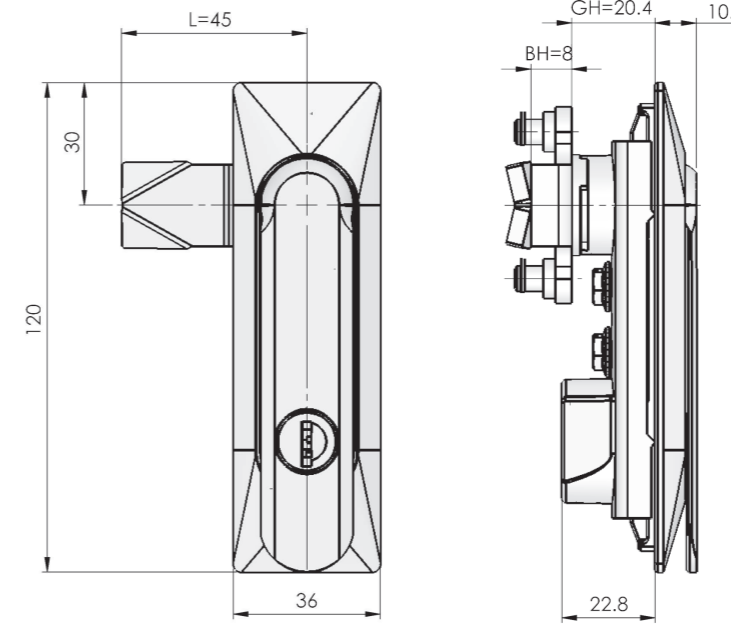
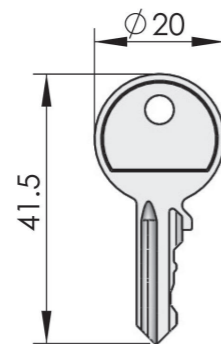
Default cam: S1B45Y00002

Performance parameter:
Handle load tension capability: $\leq 115N$
Handle load torque capability: $\leq 10N.m$
Maximum static load: 220N



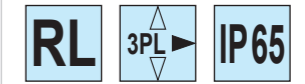
ERP MS861N00193004
 Remark: default cam S1B4500 (optional cam 8*8)

Default key



ERP MS861Z1B140062

MS861-4



Main material and finish: Black painting or silvery nanometer painting ZDC handle, housing, zinc plated steel cam and support;
Application: Quarter-turn opening and close, RH or LH application;
Remarks: Default key K140

Default cam: S1B45Y00002

Performance parameter :
Handle tension capability: $\leq 350N$
Handle torque capability: $\leq 25N.m$
Life test: 5000 times open and close, the function is good

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

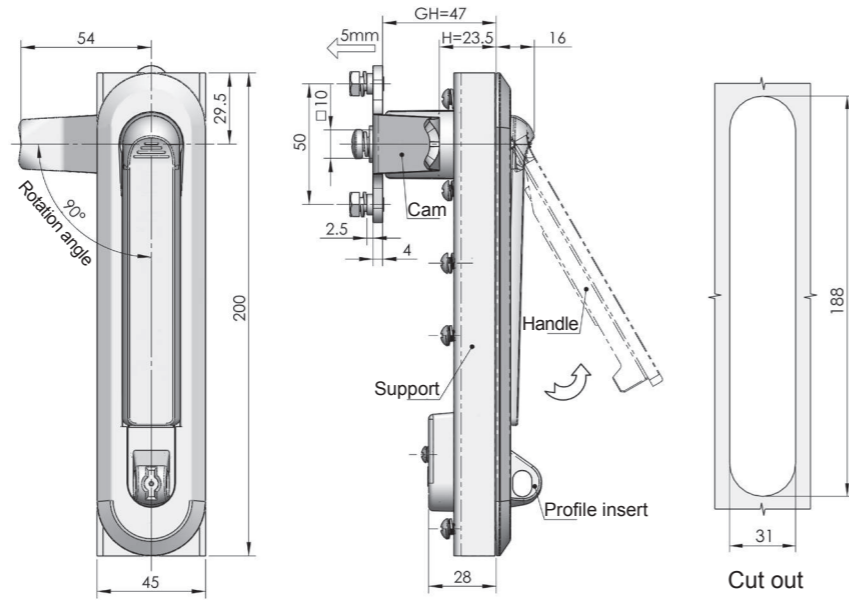
MS864-3



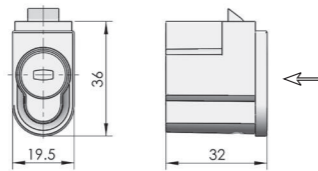
Main material and finish: Black powder coated ZDC housing and handle, stainless steel shaft, white zinc-plated steel cam
Application: Open the handle upward, quarter-turn rotation opening, with function of locking, padlockable
Remarks: Default profile insert TC06-1

Default cam: 2888643001

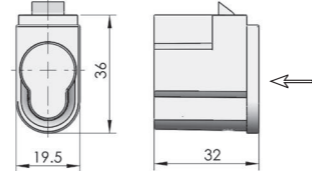
Performance parameter:
Handle load tension capability: ≤ 485N
Handle load torque capability: ≤ 25N.m
Maximum static load: 600N



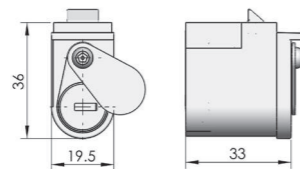
TC04-1(Optional)



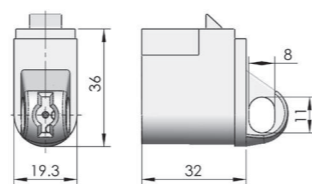
TC04-2(Optional)



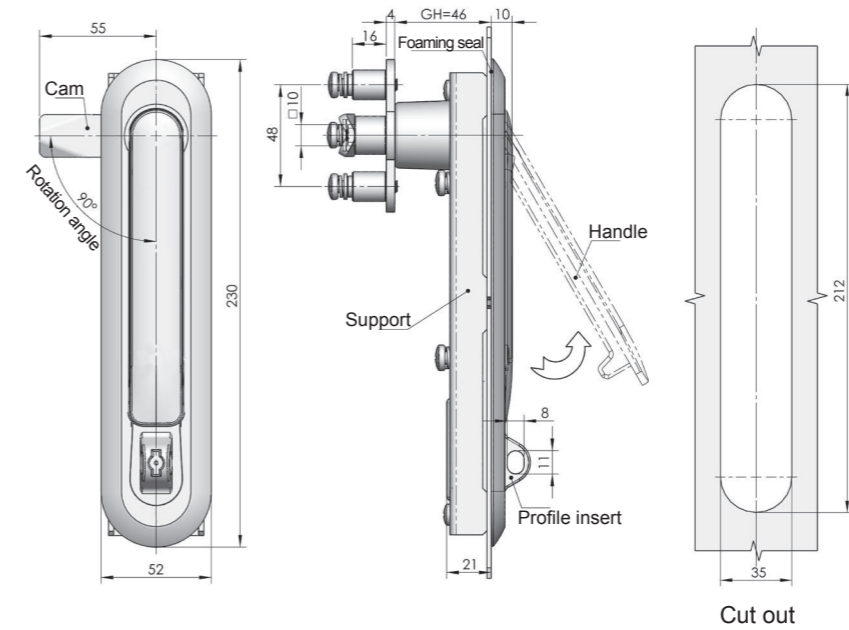
TC05-1(Optional)



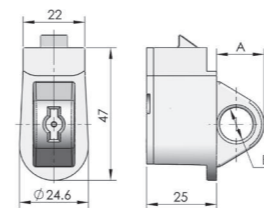
TC06-1(Default)



ERP MS864Z1A290027
 Remark: Default cam S3C5424



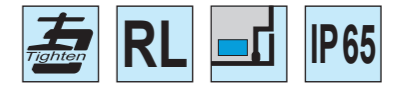
TC06-2(Optional)



Profile insert	A	B
TC06-2	17	∅12
TC06-3	26.5	∅14
Default TC06-4	12	∅8x11

ERP MS864Z1A290015
 Remark: Default cam S1C5500

MS864-3A



Main material and finish: Black powder coated ZDC housing and handle, stainless steel shaft, white zinc-plated steel cam
Application: Open the handle upward, quarter-turn opening, with function of locking, padlockable
Remarks: Default profile insert TC06-4

Default cam: S1C55Y00001

Performance parameter:
Handle load tension capability: ≤ 550N
Handle load torque capability: ≤ 45N.m
Maximum static load: 600N

Accessories
 Electronic lock
 Handle lock
 Cylinder lock
 Plane lock
 Rod control lock
 Panel lock
 Toggle and hook
 Handles
 Door stop
 Hinge
 Seal gasket

MS864-4



Main material and finish: Black painted ZDC housing and handle (high salt mist resistance)

Application: Quarter-turn opening or closing, position device direction to suit RH or LH application, padlockable

Remarks: Default profile insert TC03-5

Default cam: 2888648002

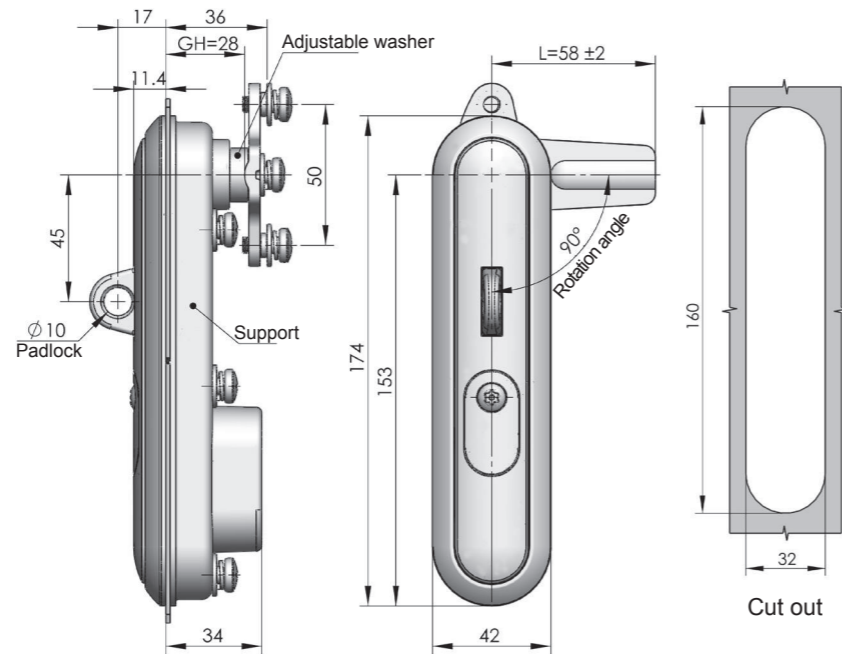
Performance parameter:

Handle tension capability: ≤2500N

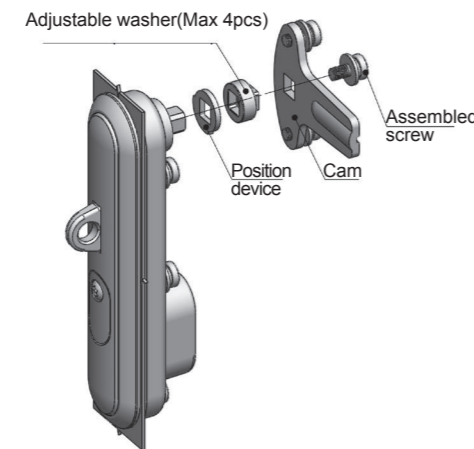
Handle torque capability: ≤21N.m

Remark: The tighten cap is good for protecting the cylinder

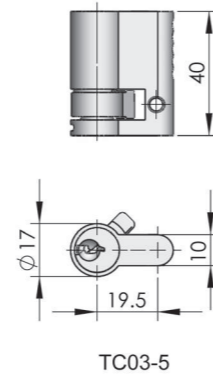
Maximum static load : 600N



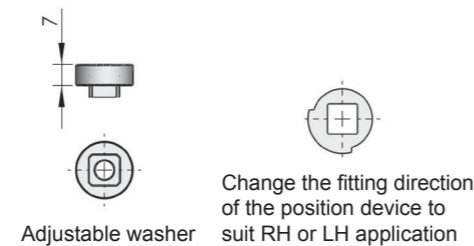
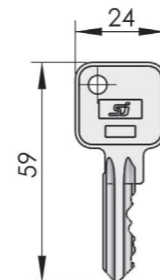
Exploded sketch



Default profile insert



Default key



	MS864-4-3D with padlock	MS864-4-3D-P without padlock
ERP	MS864Z2E142001	MS864Z2EE03003

Remark: Default key S3C58Y00 (Optional 10*10 cam)

MS892-1A



Main material and finish: Matt black powder coated ZDC housing and handle
Application: 90° rotation to open or close, position device direction to suit RH or LH application, padlockable

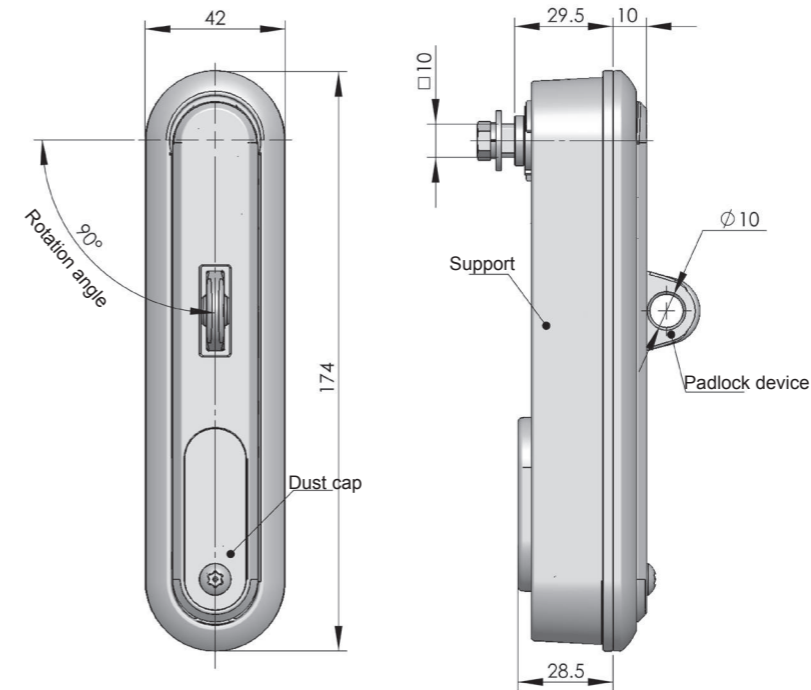
Performance parameter:

Handle tension capability: ≤690N

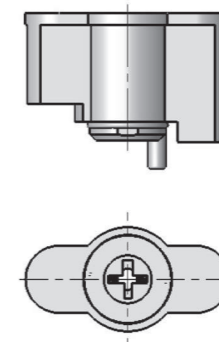
Handle torque capability: ≤45N.m

Remark: The tighten cap is good for protecting the cylinder

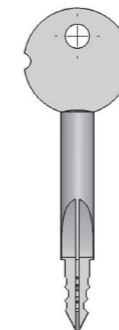
Maximum static load : 600N



Default profile



Default Key



ERP	MS892Z1AE02001
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Remark: ERP excludes Cam (Optional cam 10*10)

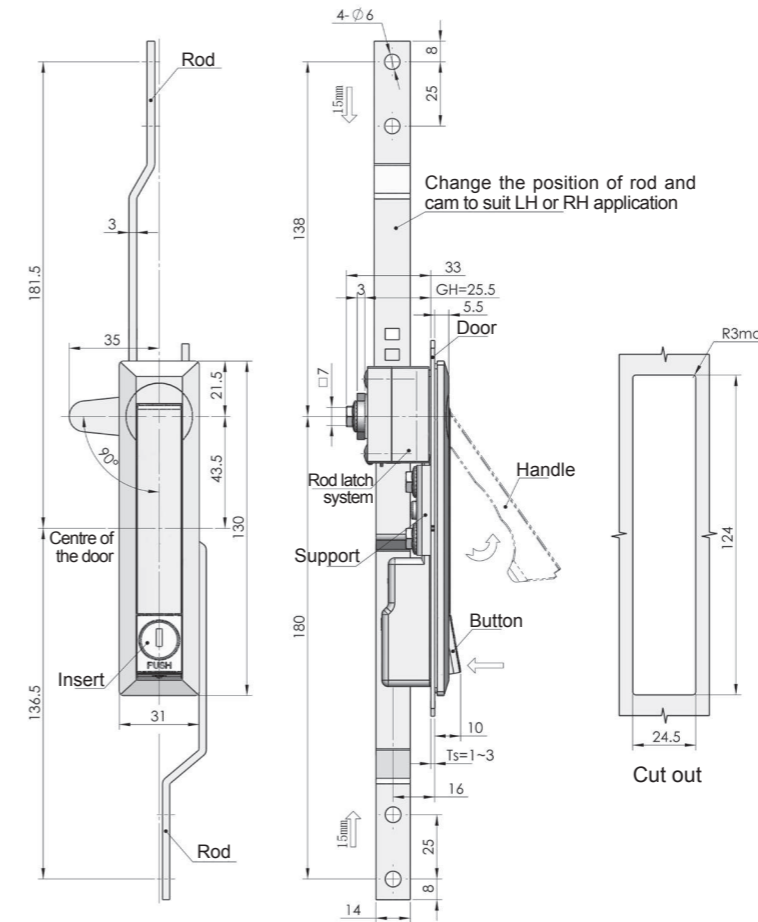
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

ROD CONTROL LOCK SERIES



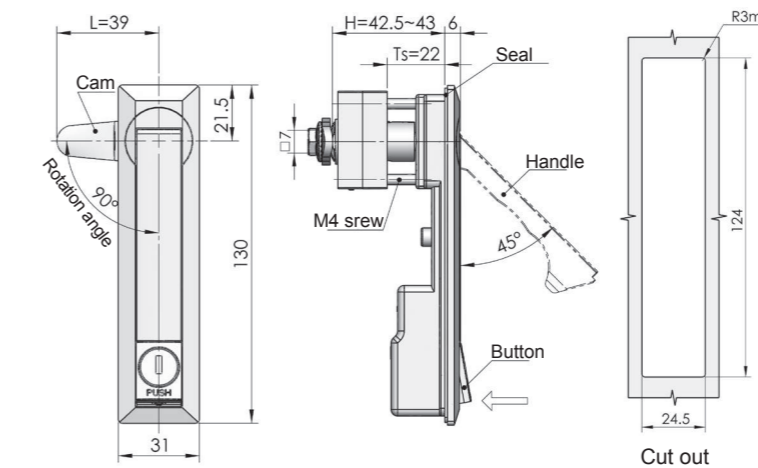
MS731-1



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060001	MS731Z2B060001

Remark: Default cam S1A3500

MS731-2



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060003	MS731Z2B060003

Remark: Default cam S1A3900

MS731-1



MS731-2



Main material and finish: ZDC housing, handle, button and rod latch, white zinc-plated steel cam and rod

Application: 90 degree rotation to open or close

Remarks: Default key K060

Performance parameter:

Handle load tension capability: ≤ 350N

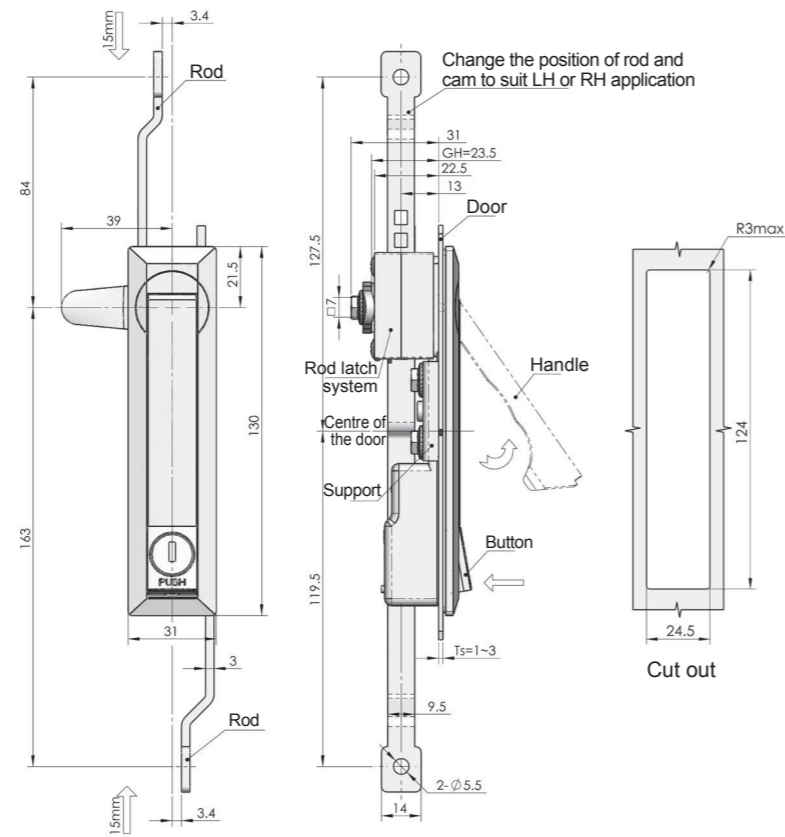
Handle load torque capability: ≤ 25N.m

- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock**
- Panel lock
- Toggle and hook
- Handles
- Door stop
- Hinge
- Seal gasket

MS731-3



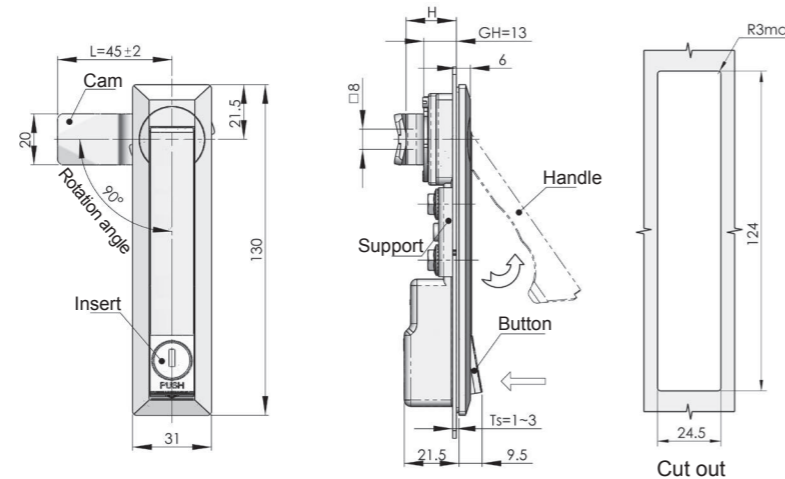
MS731-3



MS731-4



MS731-4



Main material and finish: ZDC housing, handle, button and rod latch, white zinc-plated steel cam

Application: 90 degree rotation to open or close

Remarks: Default Key K060

Performance parameter:

Handle load tension capability: ≤ 350N

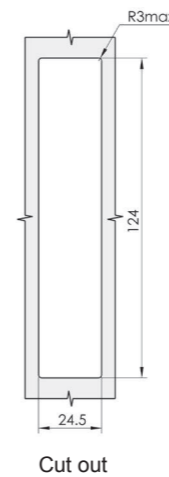
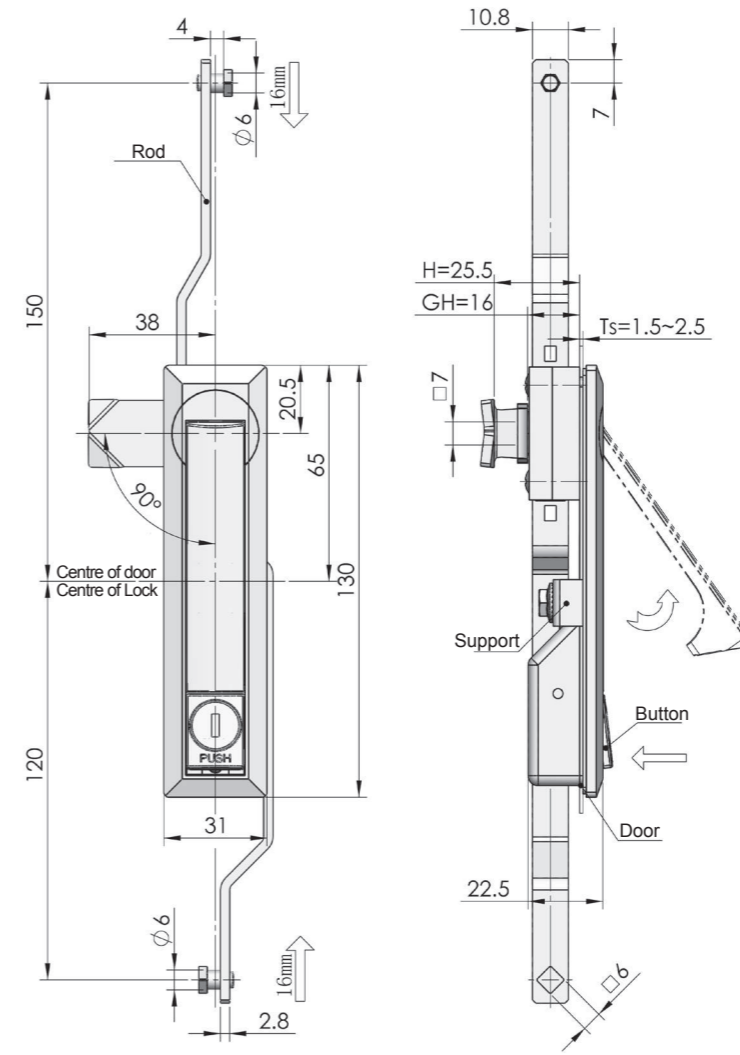
Handle load torque capability: ≤ 25N.m

	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060016	MS731Z2B060005

Remark: Default cam S1A3900

	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2B060027	MS731Z2B060023

Remark: Default cam S1B4507 (Optional cam 8*8)



Remarks: Change rod and cam position to suit RH or LH application

Specification	Model	ERP
LH	MS731-6-Z	MS731Z2B060007
RH	MS731-6-Y	MS731Z2B060008

Remark: Default cam S1A3810

MS731-6



Main material and finish: Nanometer -painted ZDC housing, handle, button and support, white zinc-plated steel cam and rod latch, steel rod

Application: Insert 180 degree rotation to open, press the button, the handle bounce automatically, rotation handle to open or close the door plate

Remarks: Default key K060

Performance parameter:

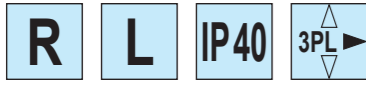
Handle load tension capability: ≤ 350N

Handle load torque capability: ≤ 25N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS820

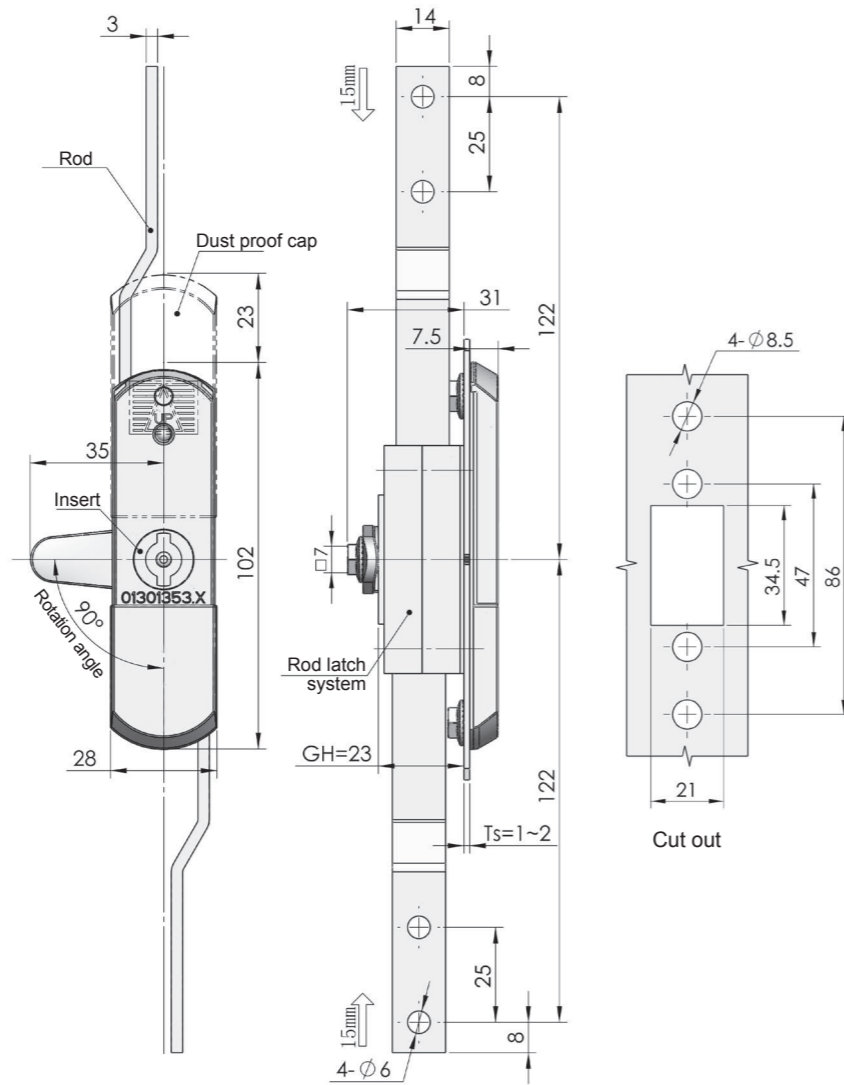


Main material and finish: Nanometer painted ZDC panel, dust-proof cap and insert, white zinc-plated steel cam and rod latch

Application: Quarter-turn rotation to open or close

Remarks: Optional key K15-1

Performance parameter:
input torque: $\leq 9\text{N.m}$



Remarks: Keep rod and rod latch in place while removing the cam and insert, rotating the rod latch in 180° to suit RH or LH application

Specification	Model	ERP
Hooked	MS820-1	MS820Z2BT03001
Triangular 8mm	MS820-3	MS820Z2BT04001
Cross insert	MS820-4	MS820Z2BE02001

Remark: Default cam S1A3500

MS820-1A

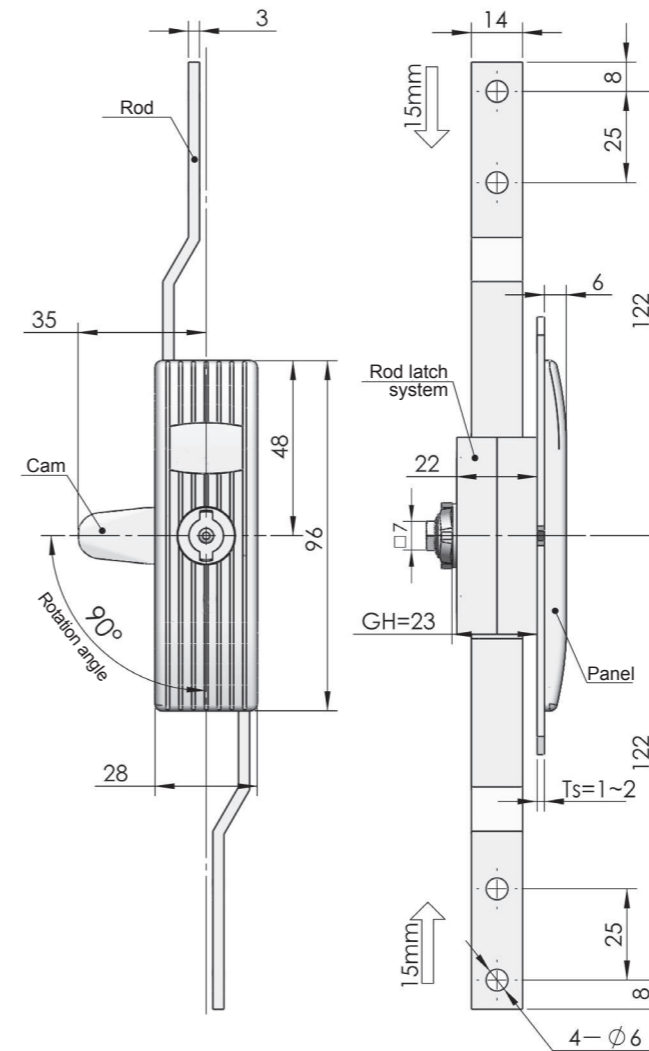


Main material and finish: Nanometer painted ZDC insert and ABS panel, white zinc-plated steel cam and rod latch

Application: Quarter-turn rotation to open or close

Remarks: Optional key K15-1

Performance parameter:
input torque: $\leq 3\text{N.m}$



Remarks: Keep rod and rod latch in place while removing the cam and insert, rotating the rod latch in 180° to suit RH or LH application

ERP	MS820N2BT03001
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Remarks: Default cam S1A3500

MS821

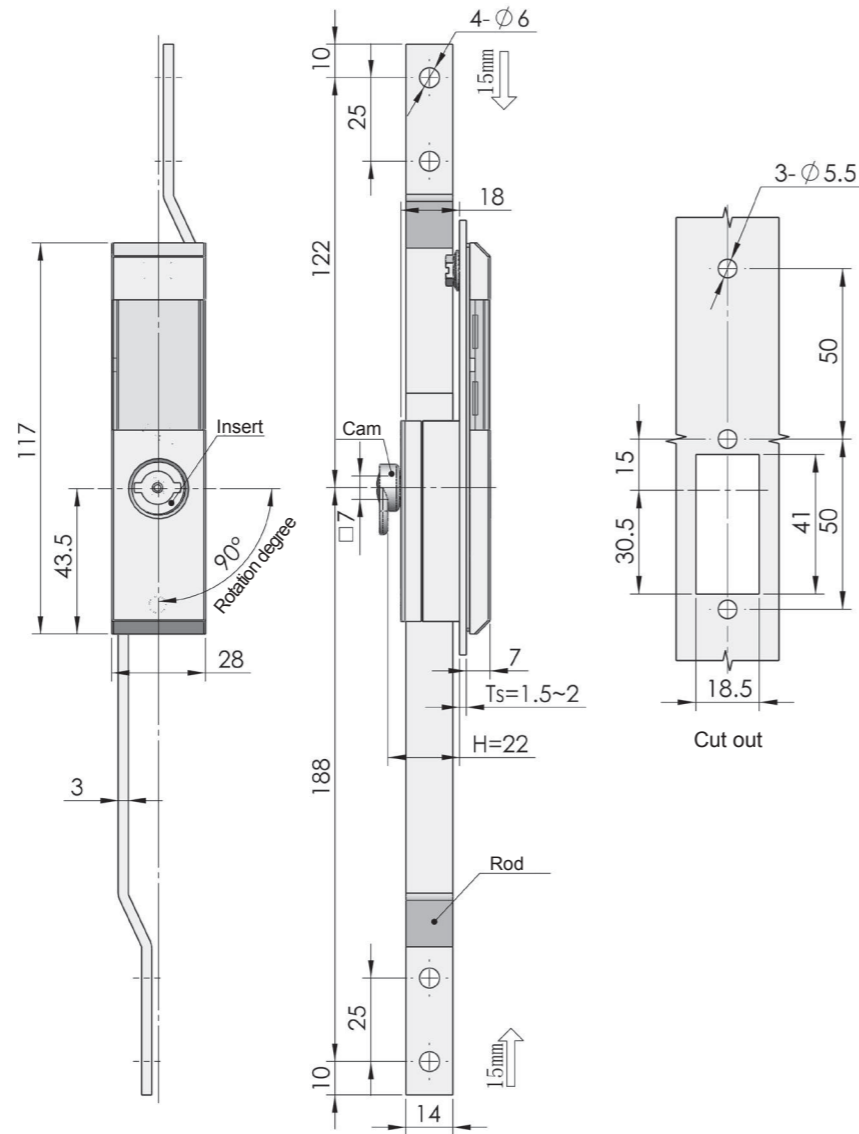


Main material and finish: Bright chrome plated ZDC insert, yellow gray ABS panel, white zinc-plated steel cam and ZDC rod latch, steel rod

Application: Insert quarter-turn rotation combines with rod latch system to open or close

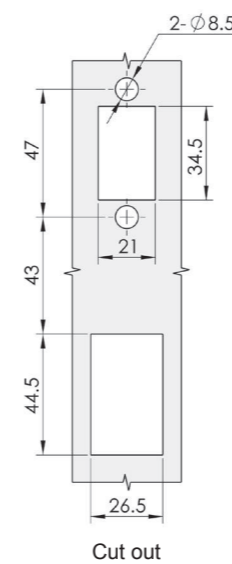
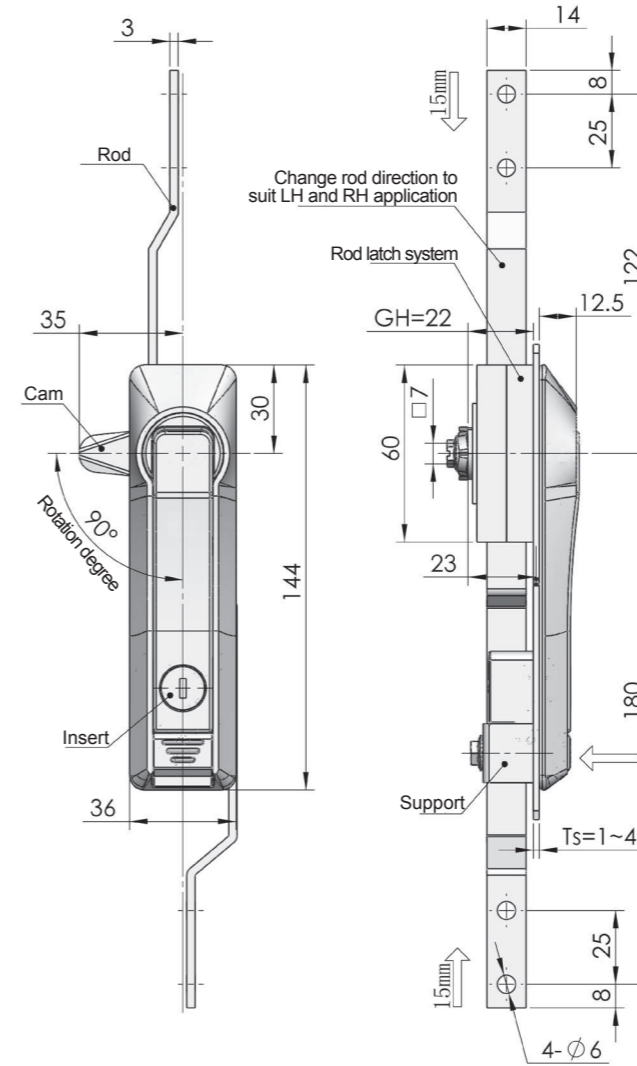
Remark: Optional key K15-1

Performance parameter:
input torque: $\leq 3N.m$



Remarks: Change rod and cam position to suit RH or LH application

ERP	MS821N00T01001
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	Matt black powder coated	Nanometer
ERP	MS828Z1A100001	MS828Z2B100017

Remark: Default cam S1A3500

MS828



Main material and finish: Nanometer painted ZDC housing, handle, and button, ZDC support, white zinc-plated steel cam and rod latch, steel rod

Application: Insert 180 degree rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close

Remarks: Default key K100

Performance parameter:

Handle load tension capability: $\leq 340N$
Handle load torque capability: $\leq 28N.m$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS828-1F



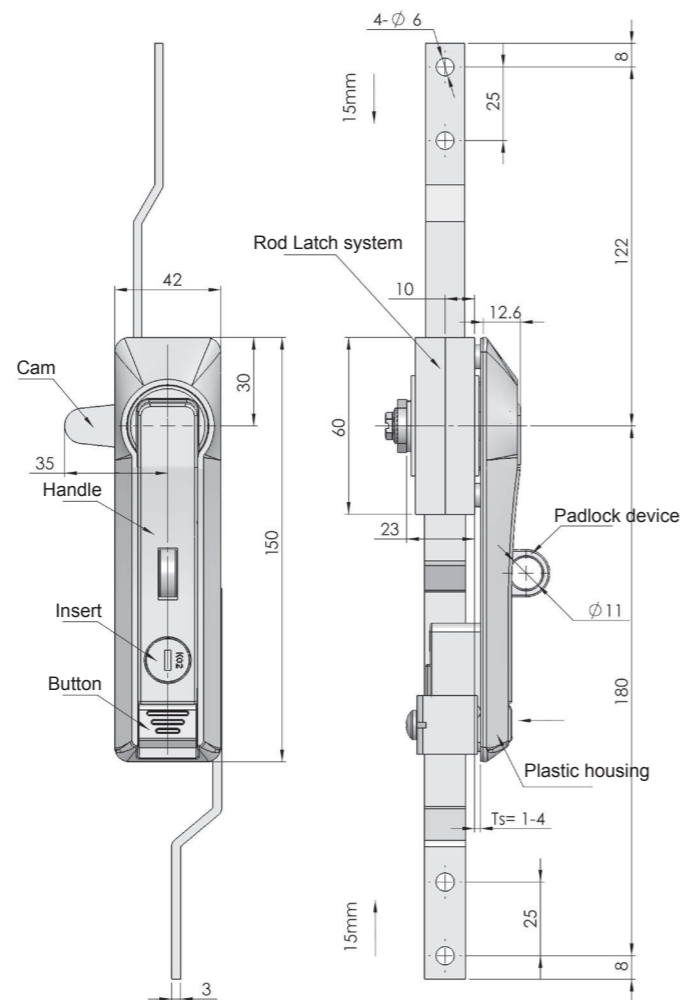
Main material and finish: Plastic housing with metal part, Black painted ZDC handle, shaft, button, white zinc plated ZDC rod latch system, white zinc plated steel rod and cam

Remarks: Default key K020

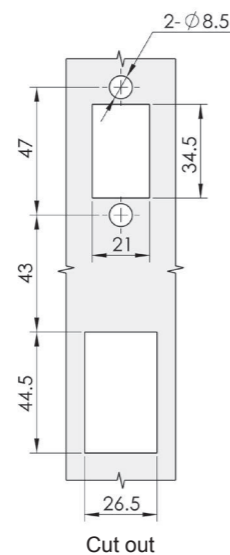
Default cam: S1A35Y00001

Performance parameter:

Handle load tension capability: ≤ 250N
Handle load torque capability: ≤ 15N.m



Remark: MB1 series rod latch system

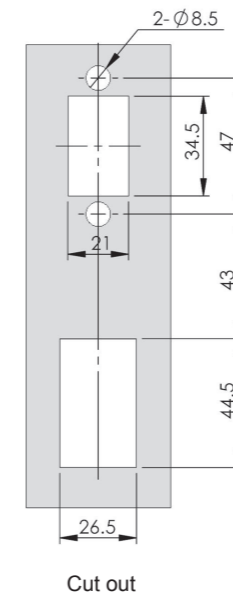
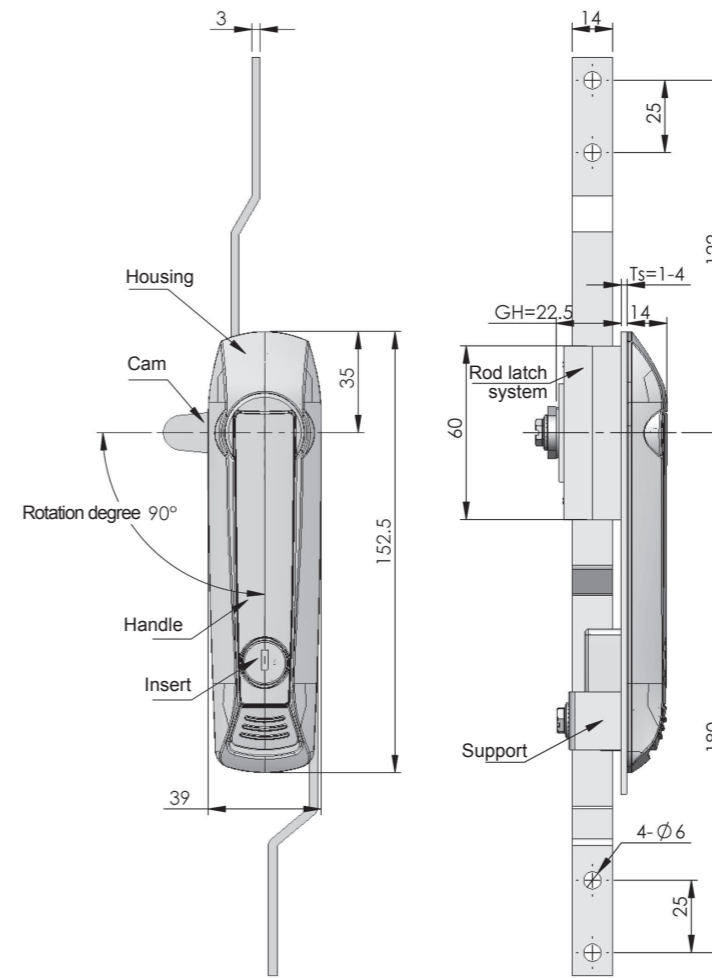


MS828-1F advantage compare with MS828

- 1.The plastic housing together with ZDC part with a certain extent hardness
- 2.Lock tighten function is better as the change of lock position close to the front side of housing
- 3.The design include the position for padlock device ,with or without padlock device for choose

	MS828-1F Without padlock device	MS828-1F-P With padlock device
ERP	MS828N00100001	MS828N00200002

Remarks: Default cam S1A3500



MS828-8



Main material and finish: Nanometer painted or black painted ZDC housing, handle, and button, white zinc-plated steel cam, press plate and rod latch,

Application: Insert 180° degree rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close, padlock optional, LH and RH available.

Remarks: Default key K100

Performance parameter:

Handle load tension capability: ≤ 250N
Handle load torque capability: ≤ 30N.m

ERP	MS828Z2B020008
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MS828-9

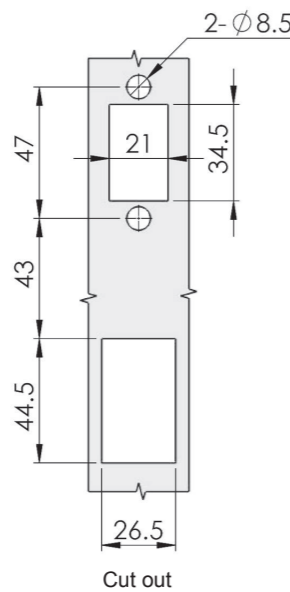
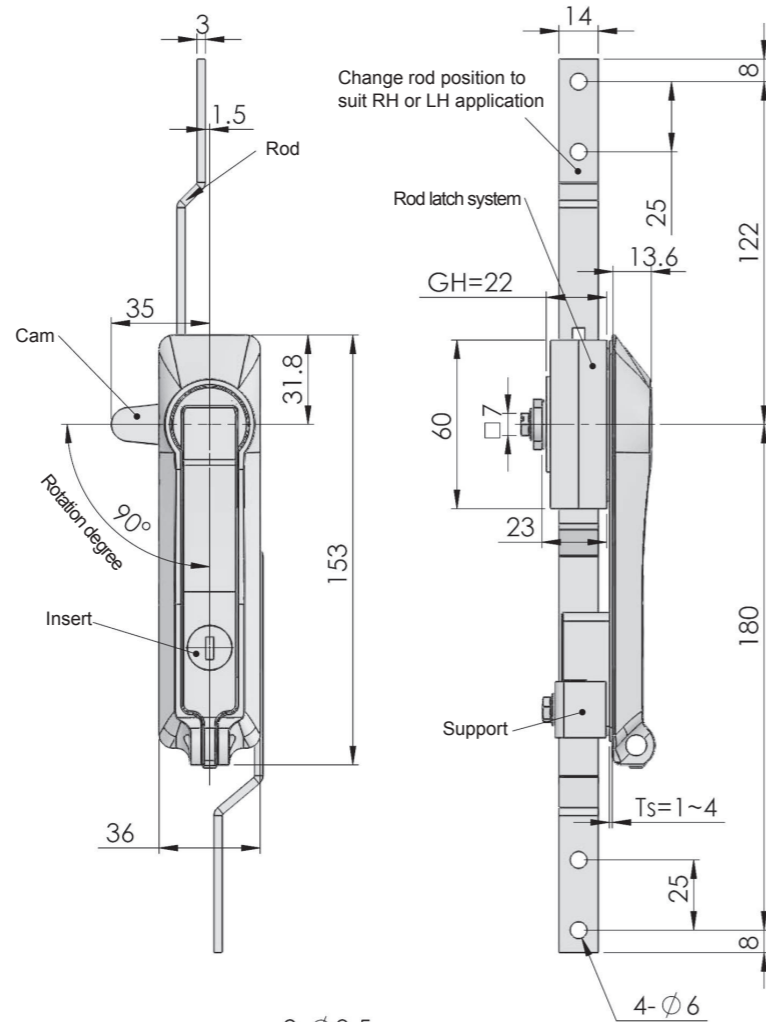


NEW

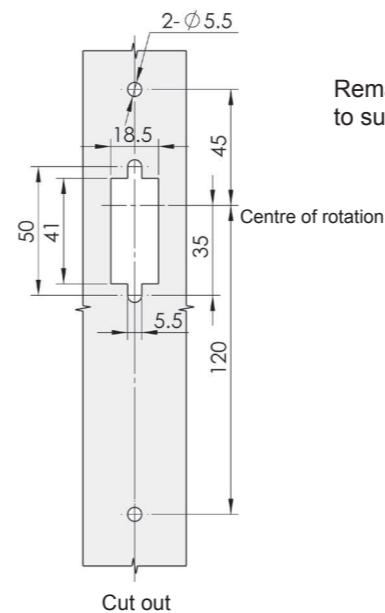
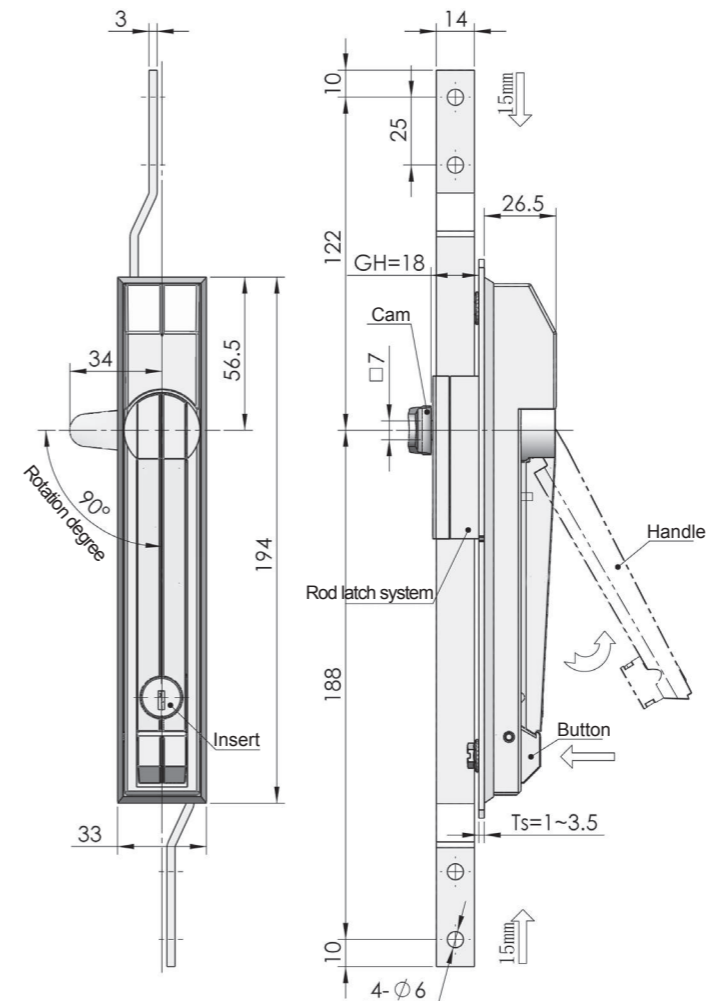
RL **3PL**

Main material and finish: Nanometer painted ZDC housing, handle, serpentine lock, Q235 press plate, Carbon steel, white zinc-plated steel cam and rod latch, ZDC support, steel rod
Application: Cylinder 180 rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close
Remarks: Default key K72-3

Performance parameter:
Handle load tension capability: ≤ 340N
Handle load torque capability: ≤ 28N.m



ERP MS828Z2B720002



Remarks: Change rod and cam position to suit RH or LH application

ERP MS829Z1E060001

Remarks: Default cam S1A3405

MS829



R **L** **IP40** **3PL**

Main material and finish: Yellow gray powder coated ZDC housing, black powder coated ZDC handle and button, white zinc plated steel cam and rod latch

Application: Handle quarter-turn combines with rod latch system to open or close
Remarks: Default key K060

Performance parameter:
Handle load tension capability: ≤ 240N
Handle load torque capability: ≤ 20N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS830

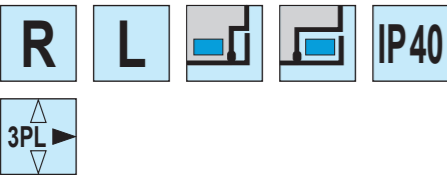


Finish: Yellow gray powder coated housing, black powder coated handle and shaft

MS830-3



Finish : Nanometer painted



Main material and finish: ZDC housing, handle, and dust-proof cap, white zincplated steel cam and rod-latch

Application: Handle quarter-turn combines with rod latch system to open or close

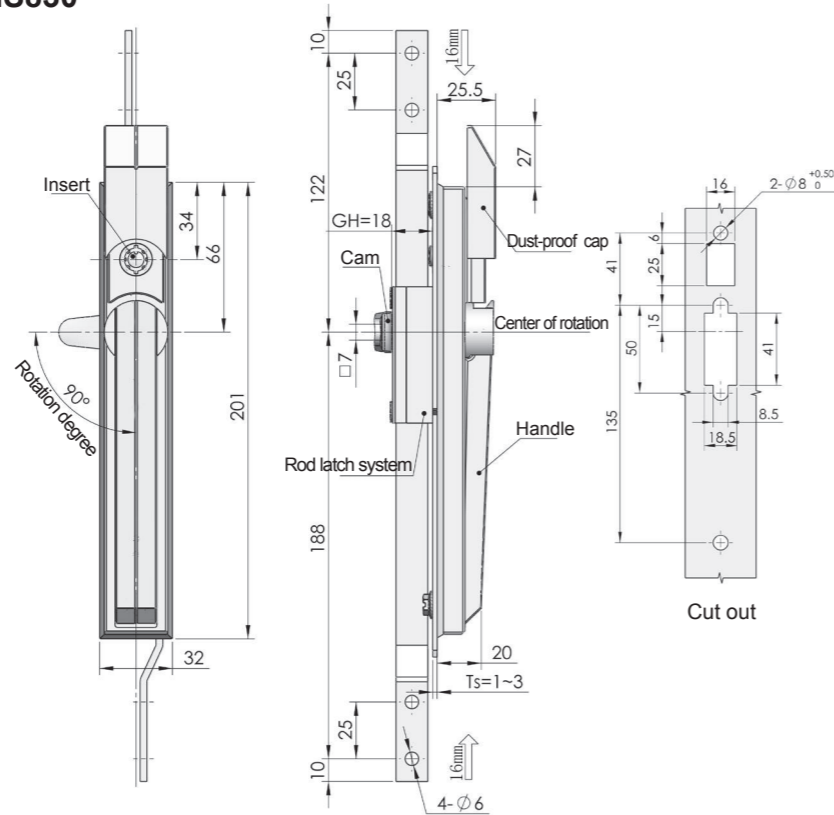
Remarks: MS830 default key K580
MS830-3 default key K140

Performance parameter:

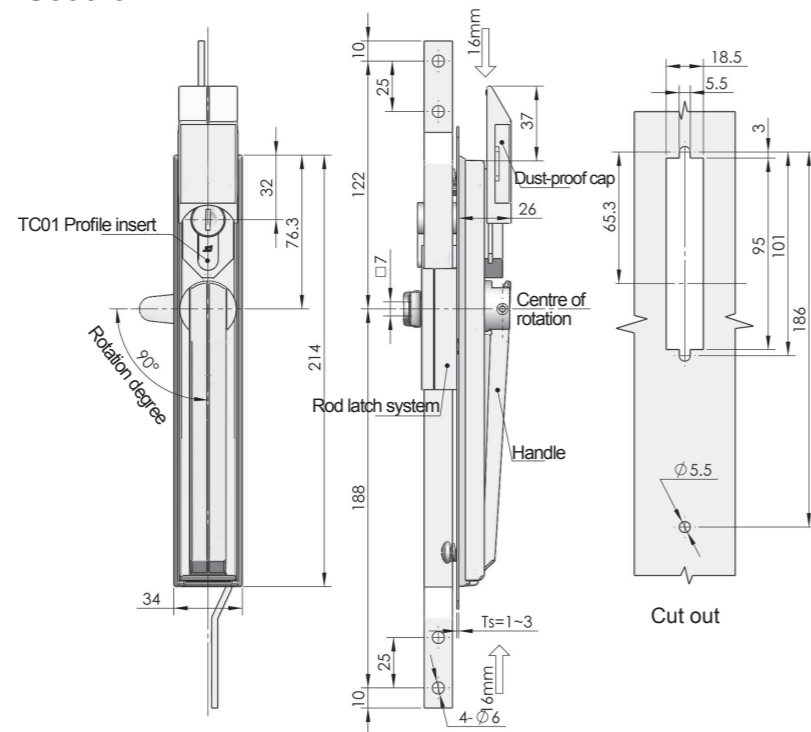
MS830:
Handle load tension capability: $\leq 225N$
Handle load torque capability: $\leq 14N.m$

MS830-3:
Handle load tension capability: $\leq 325N$
Handle load torque capability: $\leq 20N.m$

MS830



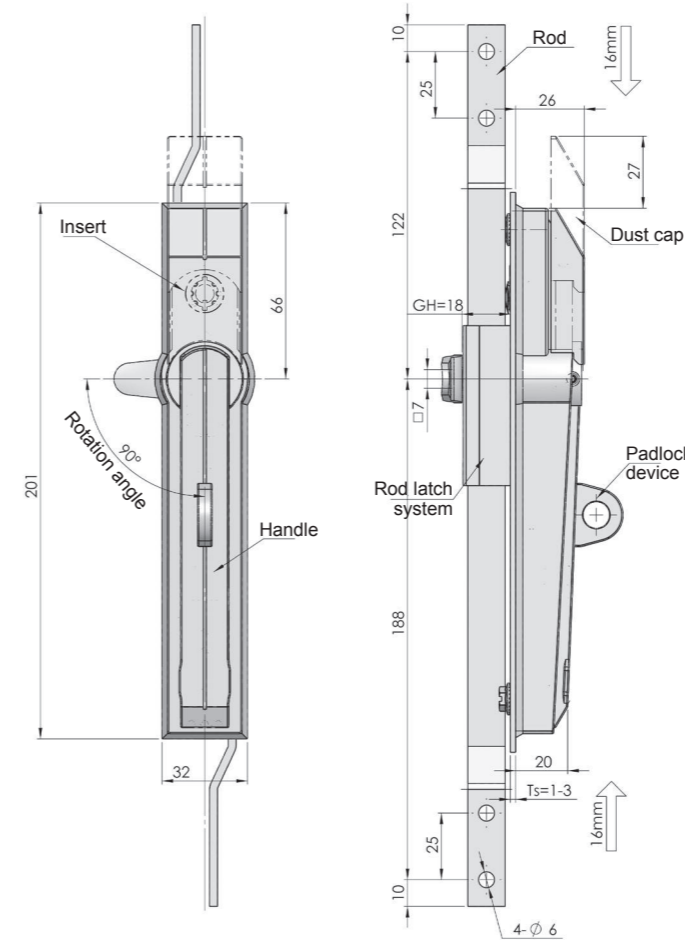
MS830-3



Remarks: Change rod and cam position to suit RH or LH application

	MS830	MS830-3
ERP	MS830Z1EE04001	MS830Z2B140003

Remarks: Default cam S1A3500



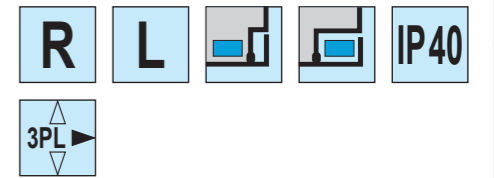
The advantage of MS830-6 when compare with MS830

- Promote the reliability of latch function and theft-prevent function
- Handle can bounce after open the lock

Specification	Model	ERP
with padlock device, insert with self-reset function	MS830-6-2P	MS830Z2BE04031
without padlock device, insert with self-reset function	MS830-6-2	MS830Z2BE04030
with padlock device, insert without self-reset function	MS830-6-1P	MS830Z2BE04023
without padlock device, insert without self-reset function	MS830-6-1	MS830Z2BE04022

Remarks: Default cam S1A3405

MS830-6



Main material and finish: Nanometer-painted ZDC housing and dust cap, black painting ZDC handle and shaft, ZDC rod latch, steel rod, cam and connection

Remarks: Default K580 key

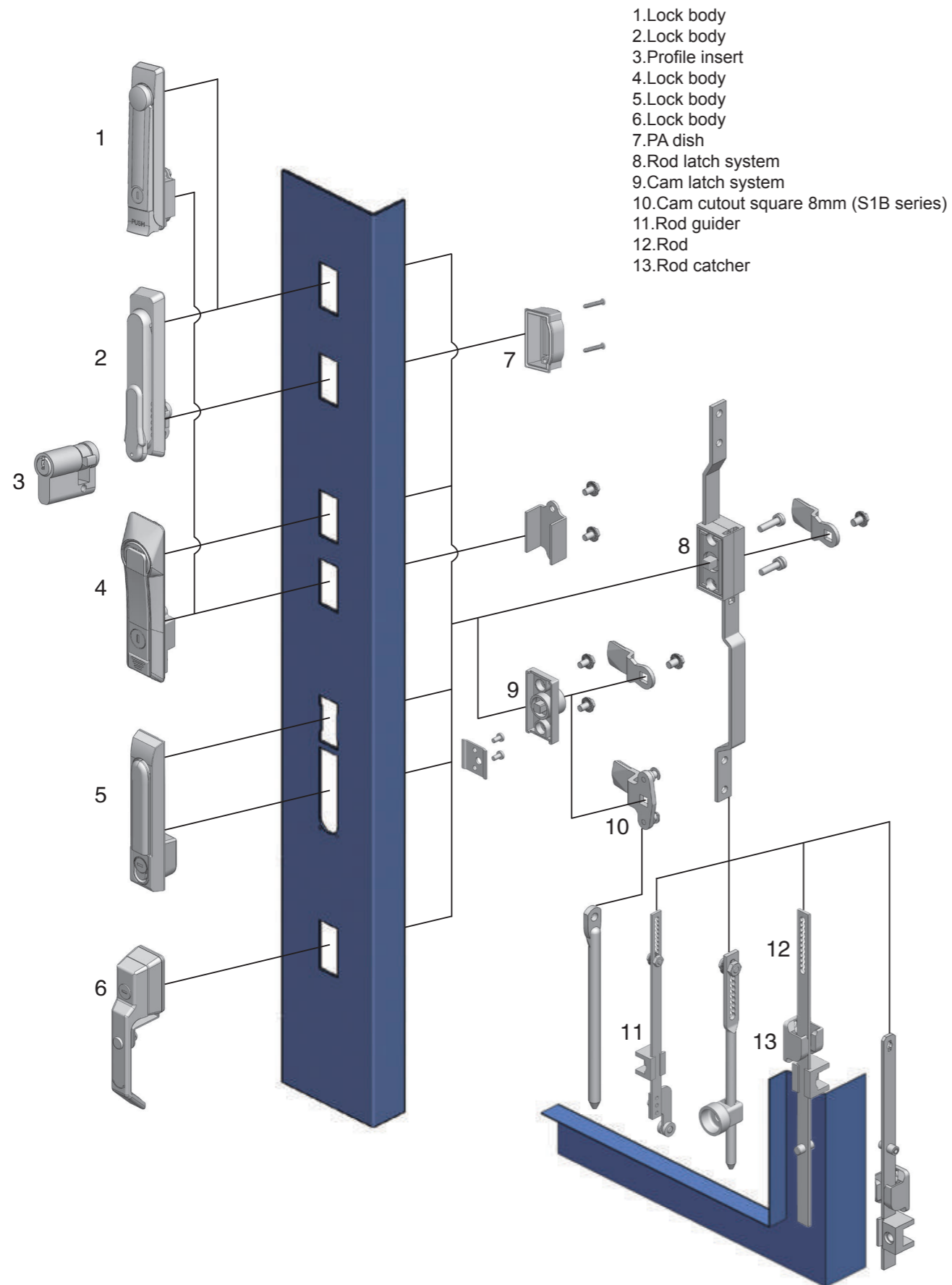
Default cam: S1A34Y05001

Performance parameter:

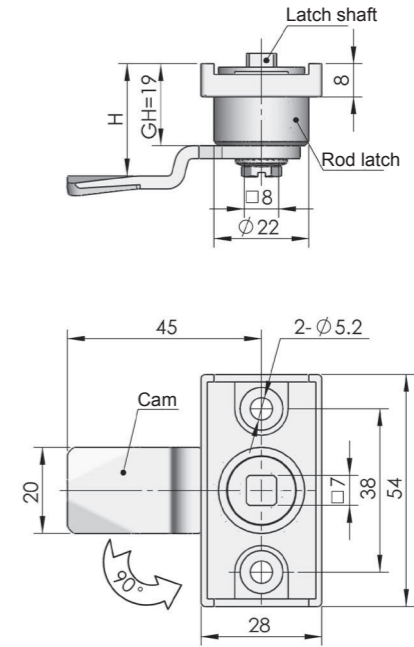
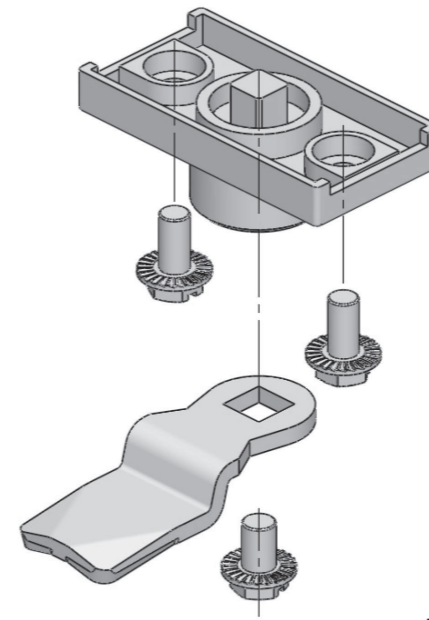
Handle load tension capability: $\leq 315N$
Handle load torque capability: $\leq 22N.m$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

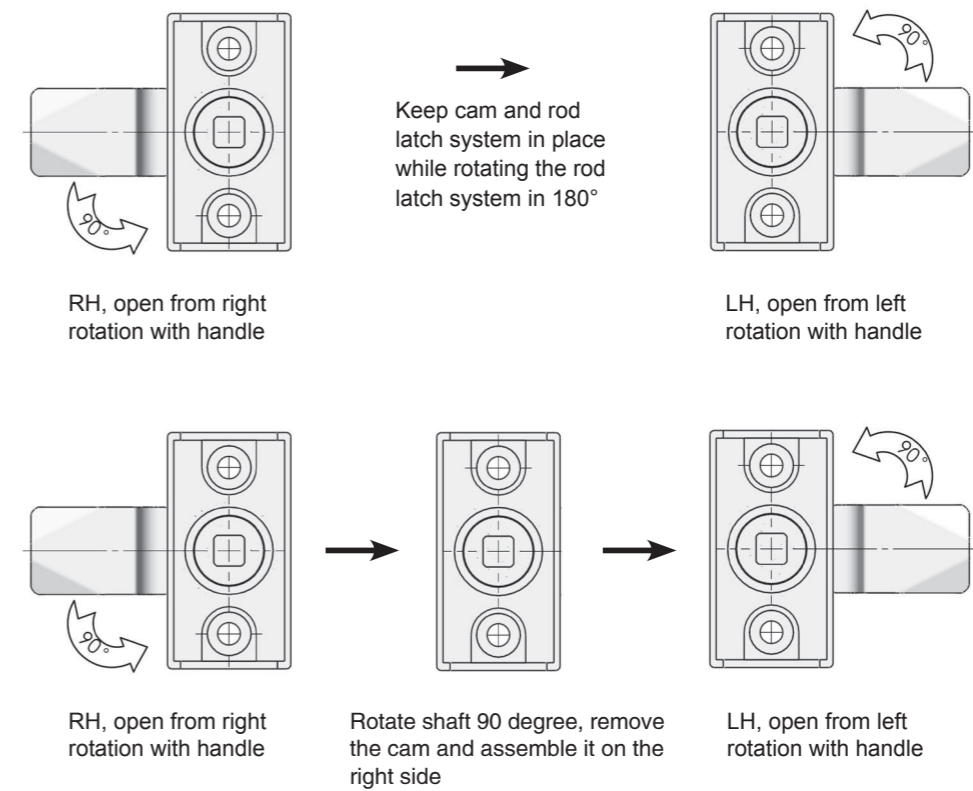


Cam latch system Mb90



Remarks: Default rod latch system, closing position, quarter-turn rotation, cam cutout square 8mm, optional cam series S1B, S2B, S3B, detailed cam list on P007
 Default one-point cam S1B4507, H=19+7, length 45
 Default three-point cam S3B4510, H=19+10

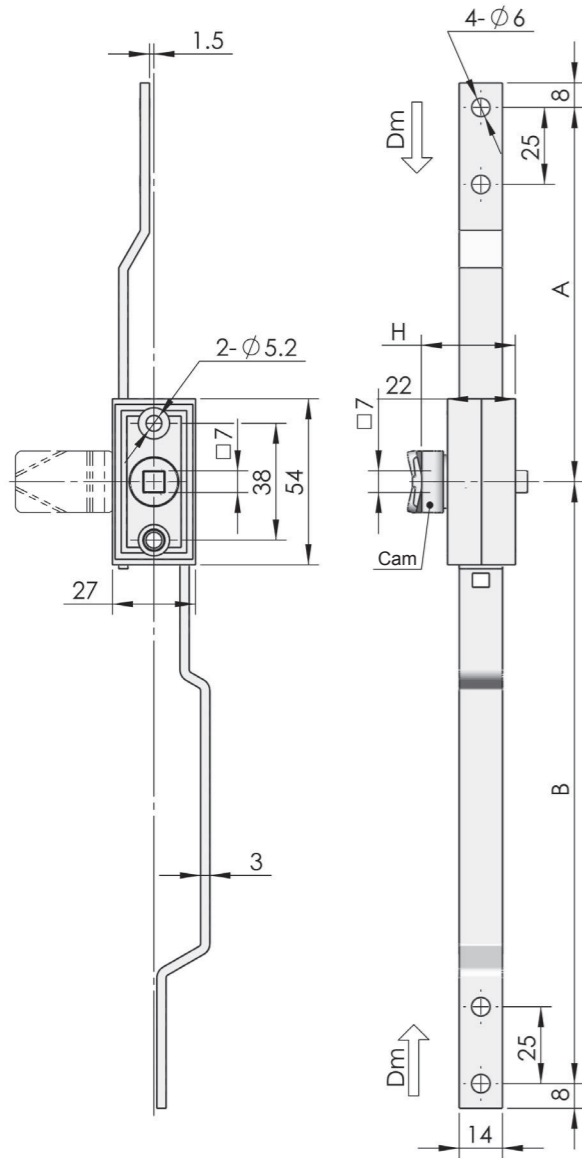
RH and LH application example



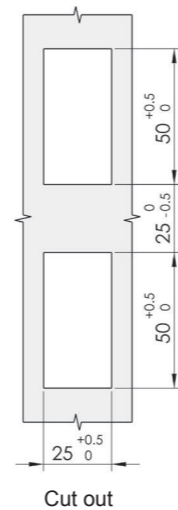
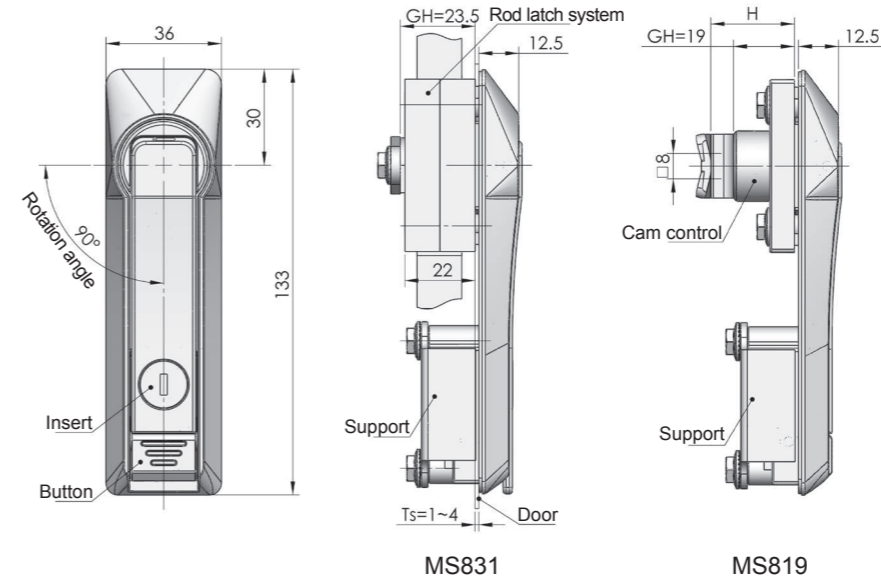
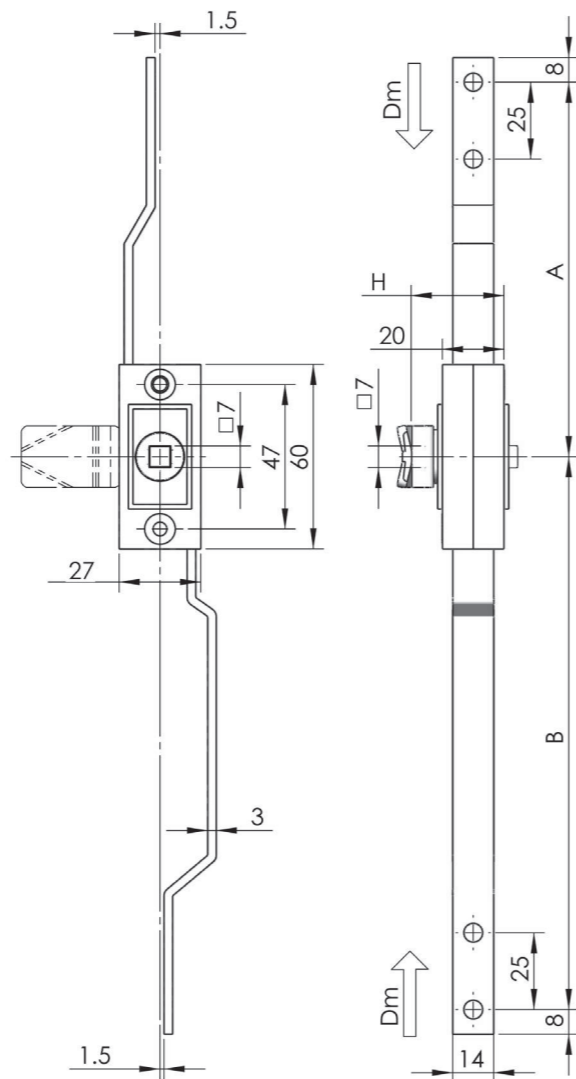
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

**Mb0 Series
Mb2 Series**



Mb1 Series



Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175

Remarks: Rod latch system, use for seal door-outside, cam cutout 7mm, optional cam S1A cam series, see detailed cam list on P007. Default cam S1A3500, H=GH, length 35.
Keep rod and rod latch in place, remove the cam and insert, and rotate rod latch system in 180 degree to suit RH or LH application

Dm: Rod stroke
Ra: Rotation angle code

Rod latch system	Dm	Ra	A	B	Specification
Mb01	15	90°	122	196	With cam
Mb02	15	90°	122	196	Without cam
Mb03	15	90°	138	196	With cam
Mb04	15	90°	138	196	Without cam
Mb21	15	90°	122	122	With cam
Mb24	23	135°	138	130	Without cam

Rod latch system	Dm	Ra	A	B	Specification
Mb11	15	90°	122	180	With cam
Mb12	15	90°	122	180	Without cam
Mb13	20	115°	130	188	With cam
Mb14	23	120°	130	188	Without cam

Specification	Model	ERP
With button, optional rod latch system Mb01	MS831-1	MS831Z2A040001
With button, optional rod latch system Mb02	MS831-1-2	MS831Z2A040003
Without button, optional rod latch system Mb01	MS831-2	MS831Z2A040005
Without button, optional rod latch system Mb02	MS831-2-2	MS831Z2A040006
Without button	MS819-1	MS819Z2A040009
With button	MS819-2	MS819Z2A040003

MS831



MS819



Main material and finish: Black painted ZDC housing ,handle and button,white zinc-plated steel cam and combines with rod latch system

Application: Handle quarter-turn combines with rod latch system to open or close

Remarks: Default key K040

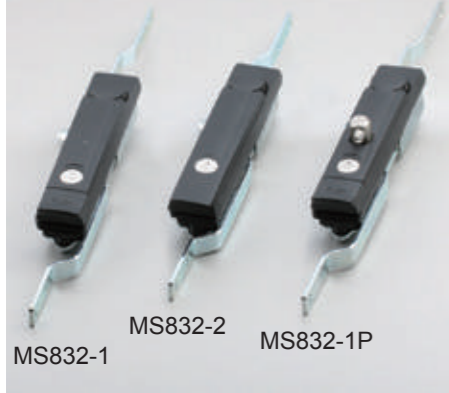
Default cam: S1A35Y00001 (Rod latch type)
S1B45Y07002 (Cam type)

Performance parameter:

Handle load tension capability: ≤280N
Handle load torque capability: ≤30N.m
Maximum static load: 270N (cam type)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS832



MS833



Main material and finish: Pocked black powder coated ZDC handle, housing and button, ZDC dust-proof cap, white zinc-plated steel cam and rod

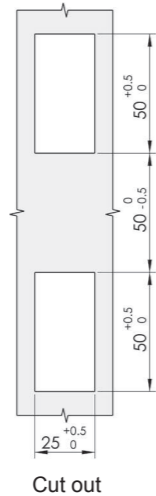
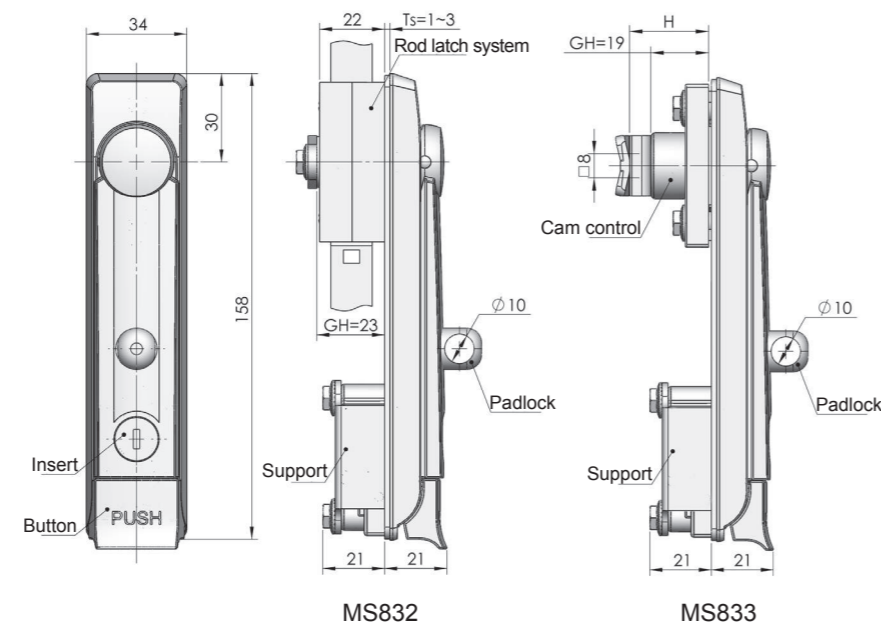
Application: Quick-open, easy assembling, 90 degree handle rotation combines with rod latch to open or close

Remarks: Default key K030

Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

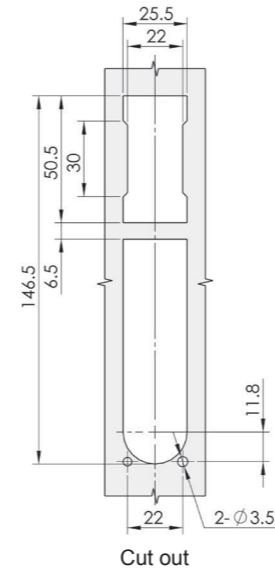
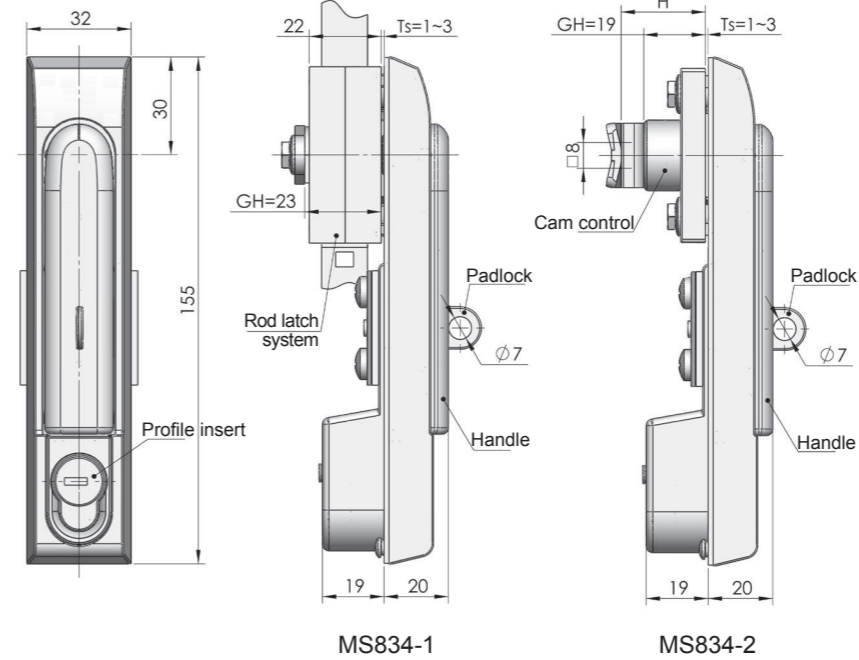
Handle load tension capability: ≤295N
Handle load torque capability: ≤25N.m
Maximum static load: 270N(cam type)



Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175

Specification	Model	ERP
With button, optional rod latch system Mb01	MS832-1	MS832Z1B030001
With button, optional rod latch system Mb01, padlockable	MS832-1P	MS832Z1B030002
With button, optional rod latch system Mb02	MS832-1-2	MS832Z1B030015
With button, optional rod latch system Mb02, padlockable	MS832-1-2P	MS832Z1B030014
Without button, optional rod latch system Mb01	MS832-2	MS832Z1B030005
Without button, optional rod latch system Mb01, padlockable	MS832-2P	MS832Z1B030006
Without button, optional rod latch system Mb02	MS832-2-2	MS832Z1B030015
Without button, optional rod latch system Mb02, padlockable	MS832-2-2P	MS832Z1B030016
With button	MS833	MS833Z1B030001
With button, padlockable	MS833-1P	MS833Z1B030016
Without button	MS833-2	MS833Z1B030003
Without button, padlockable	MS833-2P	MS833Z1B030018



Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175
Profile insert on P029

Specification	Model	ERP
Optional rod latch system Mb01	MS834-1	MS834Z1A040001
Optional rod latch system Mb02	MS834-1-2	MS834Z1A040009
Cam latch system	MS834-2	MS834Z1A030027

MS834



Main material and finish: Black powder coated ZDC handle and housing, bright chrome-plated ZDC profile insert, white zinc-plated steel cam and rod latch, steel rod

Application: Quick-open, easy assembling, 90 degree handle rotation combines with rod latch to open or close

Remarks: Default profile insert TC04-1, default key K040

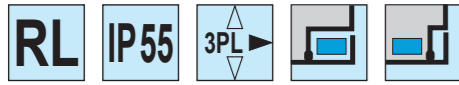
Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

Handle load tension capability: ≤225N
Handle load torque capability: ≤20N.m
Reminder: Tighten the locks protecting cover to protect the lock
Maximum static load: 270N(cam type)

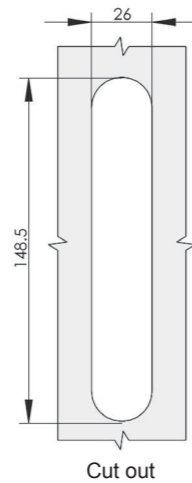
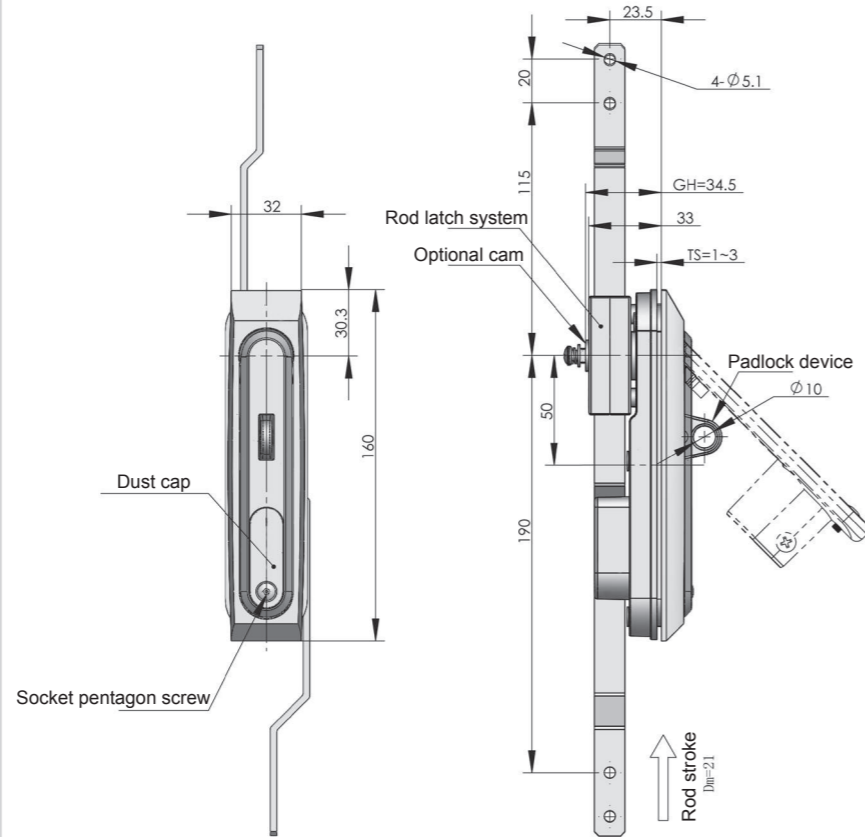
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS834-6

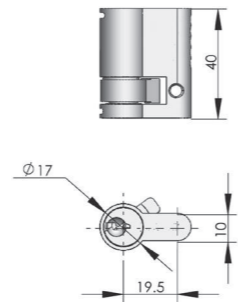


Main material and finish: Black painted (high salt mist resistant) ZDC handle and housing, bright chrome-plated ZDC profile insert, stainless steel cam and rod
Application: Handle 135° rotation combines with rod latch system to open or close, change gear and rod direction to suit RH or LH application
Remarks: Default profile insert TC03-5A

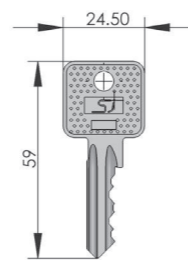
Performance parameter:
Handle load tension capability: ≤ 395N
Handle load torque capability: ≤ 33N.m
Reminder: Tighten the locks protecting cover to protect the lock



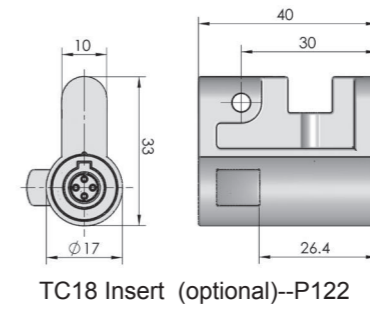
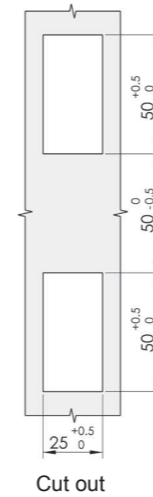
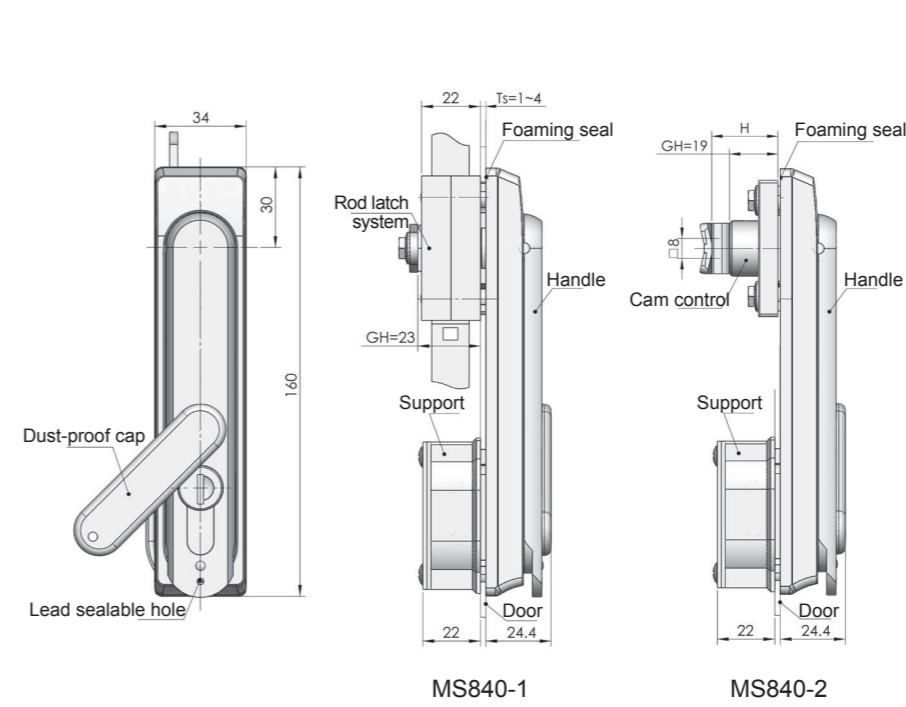
Default TC03-5A



Default Key



	MS834-6-Z	MS834-6-Y
ERP	MS834Z2E000001	MS834Z2E000002



Optional accessories:
 See cam latch system Mb9 series on P174
 Rod latch system Mb0 series on P175
 TC01/TC02/TC03 profile insert on P027

Remarks: PA housing or ZDC housing, default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS840-1	MS840Z1B140001
Optional rod latch system Mb01, padlockable	MS840-1P	MS840Z1B140002
Optional rod latch system Mb02	MS840-1-2	MS840Z1B140019
Optional rod latch system Mb02, padlockable	MS840-1-2P	MS840Z1B140020
Cam latch system	MS840-2	MS840Z1B140064
Cam latch system, padlockable	MS840-2P	MS840Z1B140014

MS840



Main material and finish: Pocked black powder coated ZDC housing and handle, ZDC profile insert, white zinc-plated steel cam and rod
Application: 90 degree handle rotation combines with rod latch to open or close
Remarks: Default key K140

Default cam: S1A35Y00001(Rod latch type)
 S1B45Y07002(Cam type)

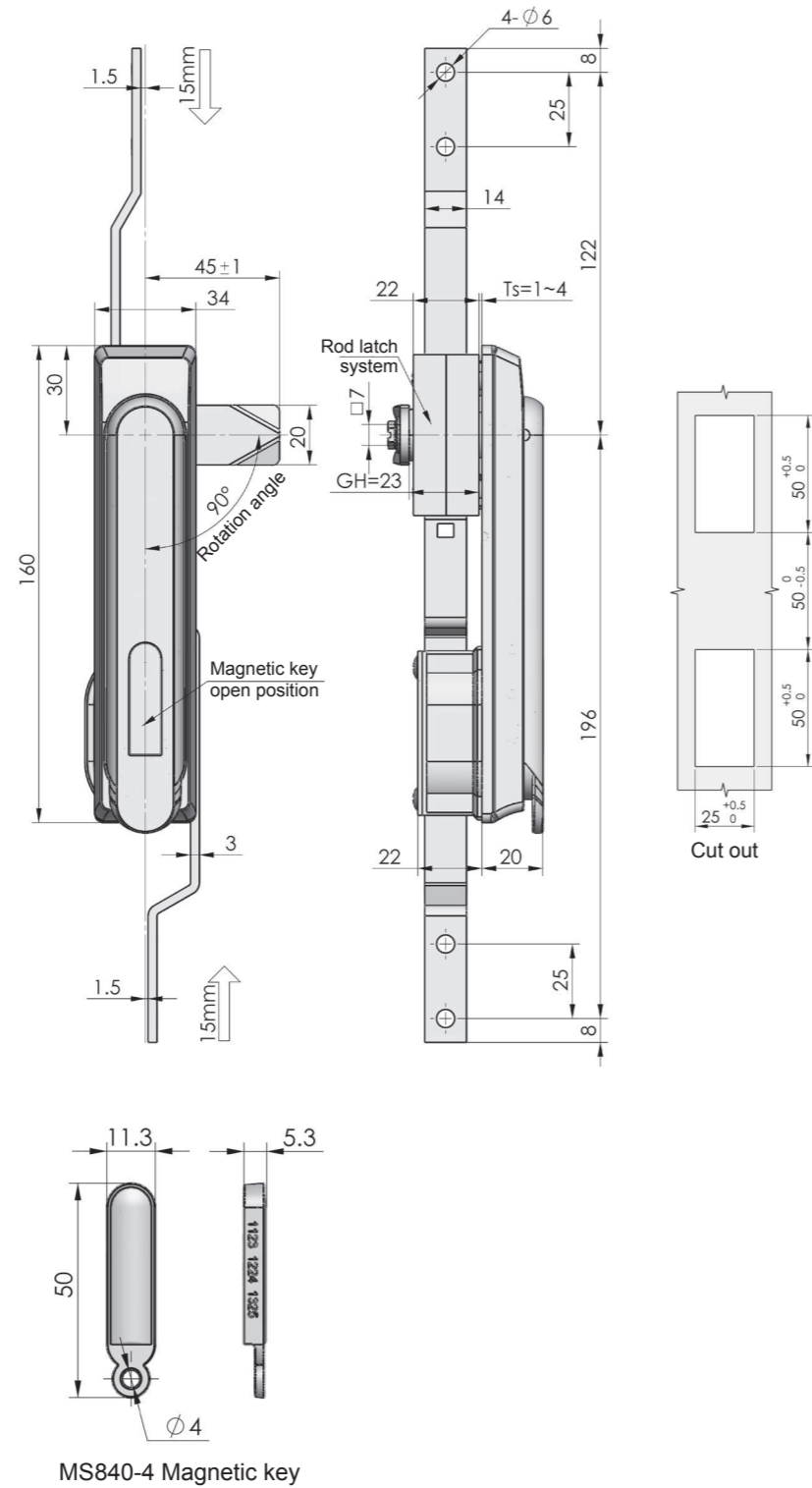
Performance parameter:
Handle load tension capability: ≤ 400N
Handle load torque capability: ≤ 35N.m
Maximum static load: 270N(cam type)



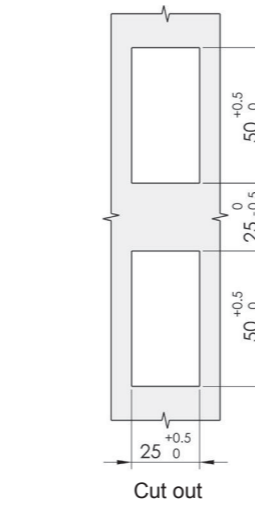
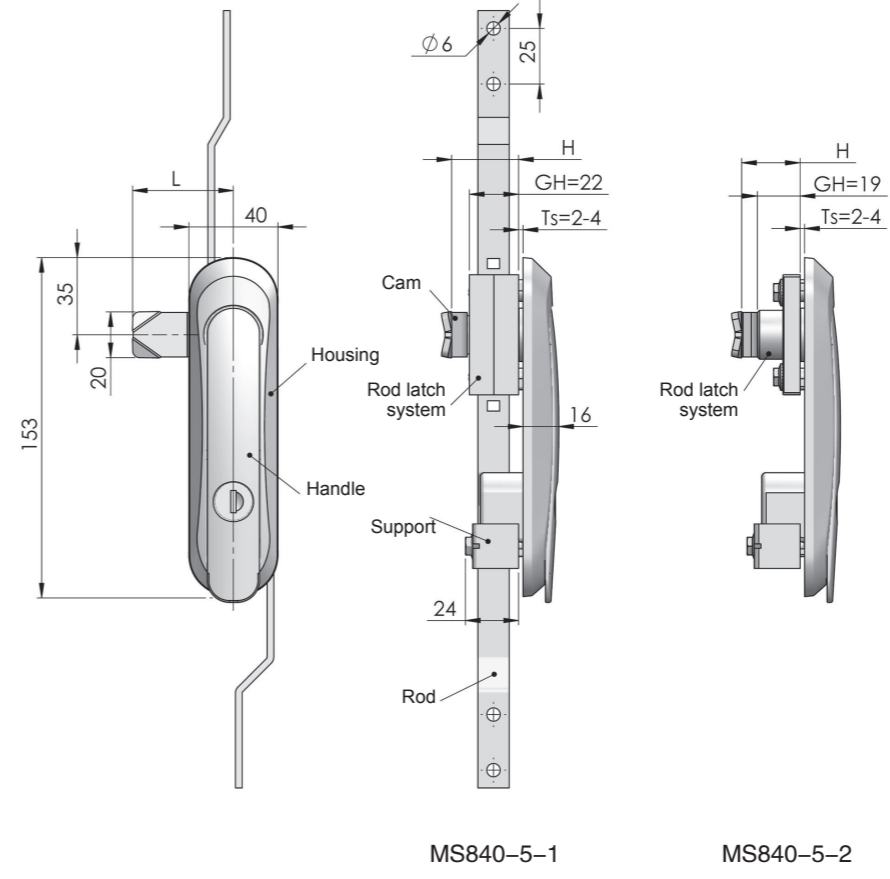
Main material and finish: Black powder coated ZDC housing, handle, zinc-plated steel cam
Application: 45 degree handle uplift rotation combines with cam to open or close, Open lock from left hand or right hand need change the set angle of limit part and cam

Character
 Use magnet to open or close the lock. The advantage is the lock system is not exposed and the key combinations is more than other standard inserts. Open the lock, put the magnetic key into the groove of the handle, then put up the handle.

Performance parameter:
 Handle load tension capability: $\leq 400N$
 Handle load torque capability: $\leq 35N.m$



ERP	MS840Z1B000006
Remarks: Default cam S1A4500	



Optional accessories:
 See cam latch system Mb9 series on P174
 Rod latch system Mb0 series on P175

Model	MS840-5-1	MS840-5-2
ERP	MS840Z2A720001	MS840Z2A720002



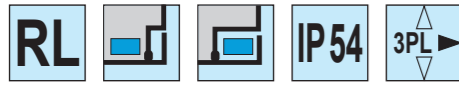
Main material and finish: Black painted ZDC handle, housing, white zinc plated ZDC shaft, lock-tongue, steel cam, press plate and strip.
Application: Optional cam control system and rod control system
Remarks: Optional key K140 and K720

Performance parameter:
 Handle load tension capability: $\leq 330N$
 Handle load torque capability: $\leq 26N.m$
 Maximum static load: 270N(cam type)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS840-A



Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, bright chrome-plated ZDC profile insert

Application: Handle quarter-turn rotation combines with rod latch system to open or close

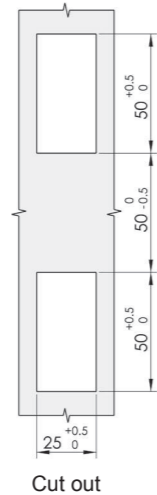
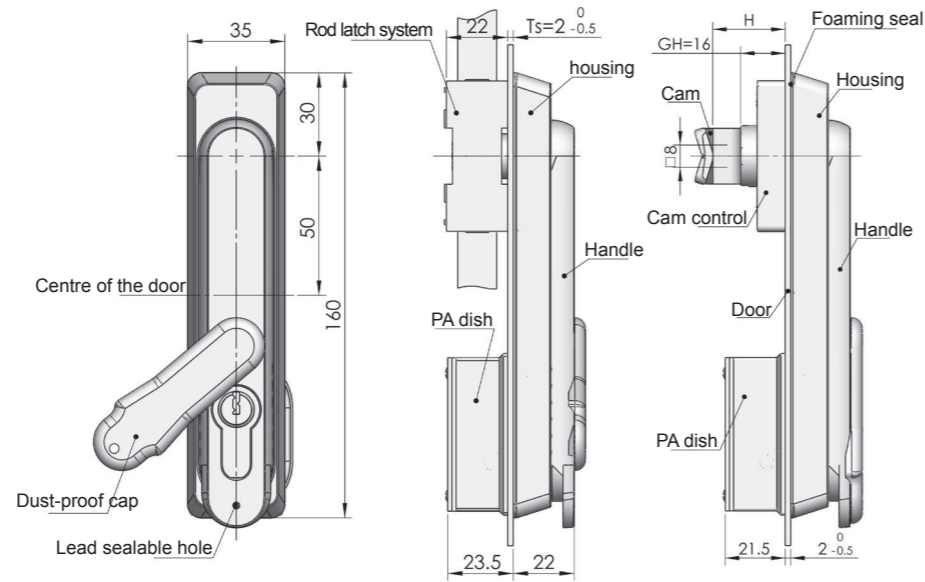
Remarks: Default profile insert TC01, default key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:

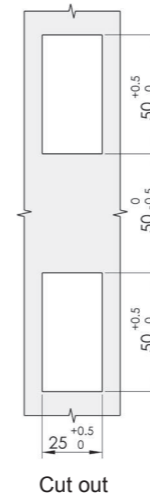
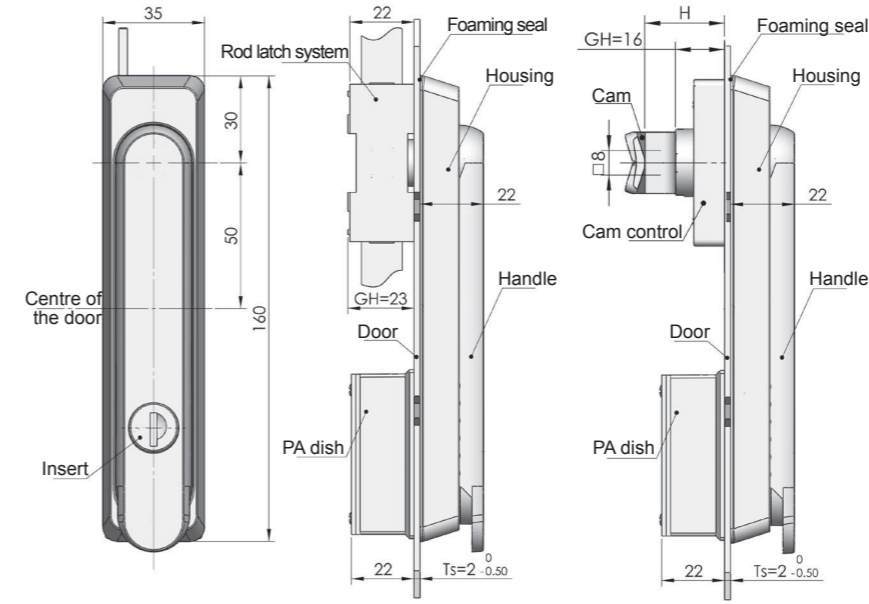
Handle load tension capability: $\leq 300N$

Handle load torque capability: $\leq 33N.m$



Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192
TC01/TC02/TC03 profile insert on P027

Specification	Model	ERP
Rod latch system with TC series profile insert and dust-proof cap	MS840-1A	MS840N00140039
Cam latch system with TC series profile insert and dust-proof cap	MS840-2A	MS840N00140033



Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192

Specification	Model	ERP
Rod latch system with insert	MS840-1B	MS840N00140025
Cam latch system with insert	MS840-2B	MS840N00140034

MS840-B



Main material and finish: Black PA housing, handle and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert

Application: Handle quarter-turn combines with rod latch system to open or close

Remarks: Default Key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:

Handle load tension capability: $\leq 300N$

Handle load torque capability: $\leq 33N.m$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS840-C



Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert

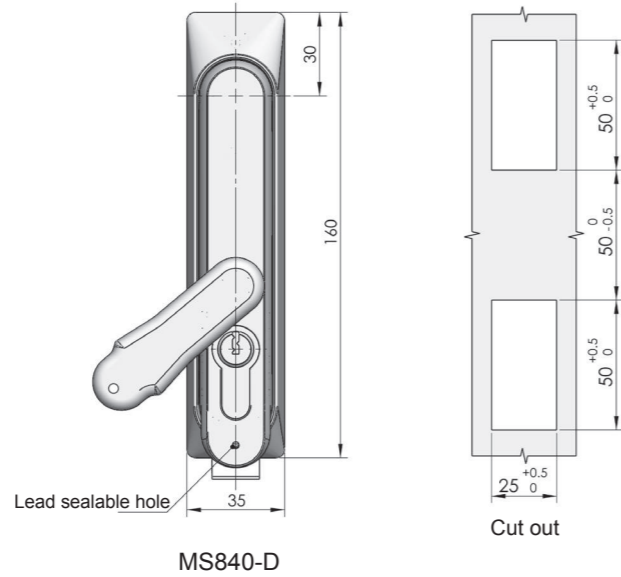
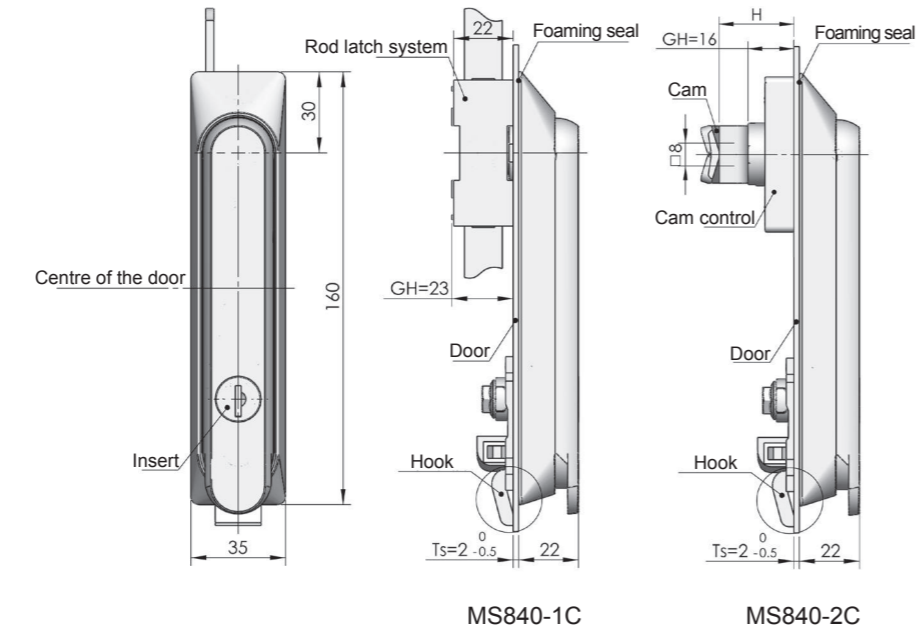
Application: Handle quarter-turn combines with rod latch system to open or close

Remarks: Default Key K140

Default cam: S1B45Y07002 (Cam type)

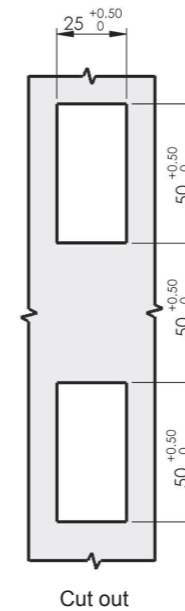
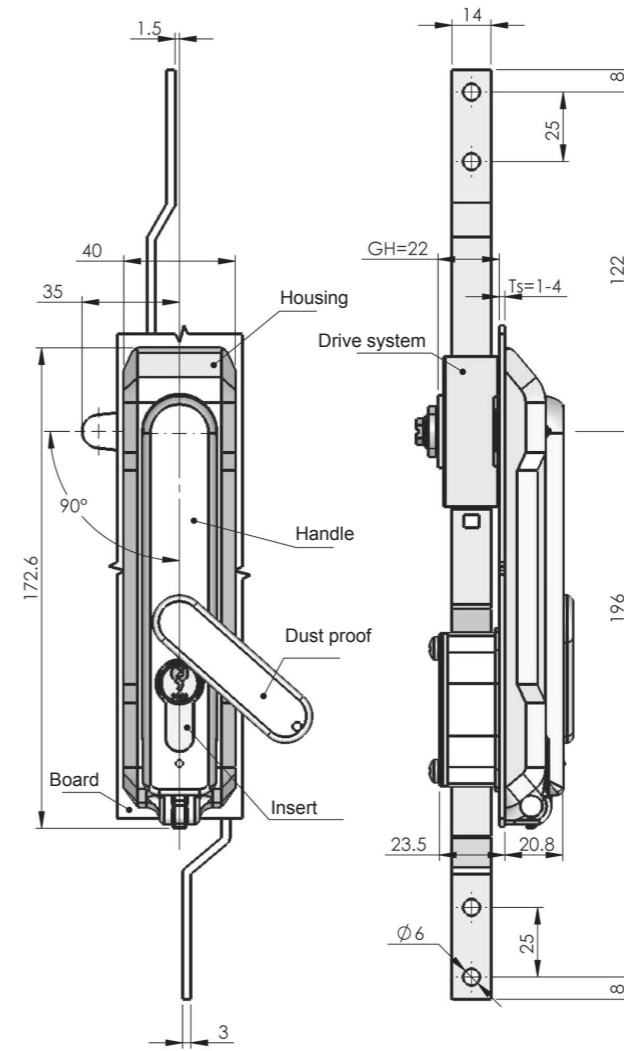
Performance parameter:

Handle load tension capability: ≤ 300N
Handle load torque capability: ≤ 33N.m



Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192

Specification	Model	ERP
Rod latch system	MS840-1C	MS840N00140011
Cam latch system	MS840-2C	MS840N00140015



ERP MS840Z1B000006

MS840-6P



Main material and finish: Zamak housing, handle, insert ;Q235 support, cam, rod drive

Finish: Nanometer painted housing, handle, white zinc plated cam, rod drive

Structure : Open the lock by turning the insert 45 degree, handle pop-out, moving with drive system to open or close

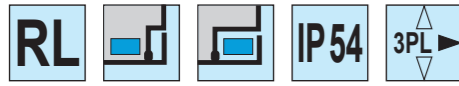
Remark: Default TC03 profile insert

Performance parameter :

Handle load tension capability: ≤ 400N
Handle load torque capability: ≤ 35N.m
Max static load : 270N(Cam type)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS846



Main material and finish: Pocked black powder coated ZDC handle and housing, ZDC profile insert, white zinc-plated steel cam and rod

Application: 90 degree handle rotation combines with rod latch to open or close

Remarks: Default profile insert TC01, default key K140

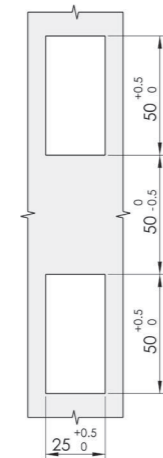
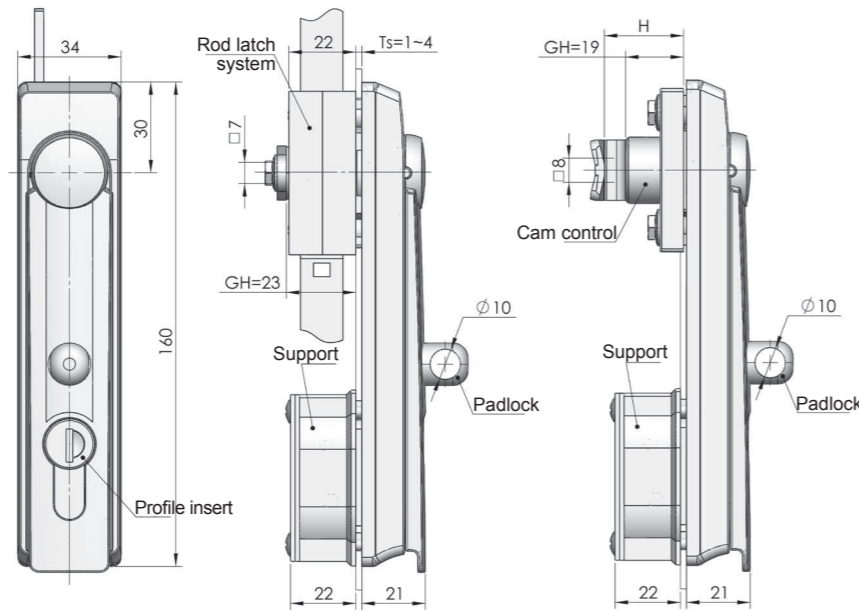
Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

Handle load tension capability: ≤ 235N

Handle load torque capability: ≤ 40N.m

Maximum static load: 270N(cam type)



Cut out

Optional accessories:

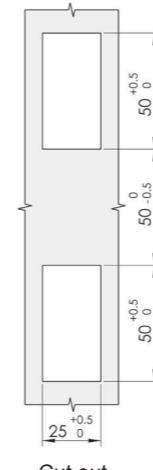
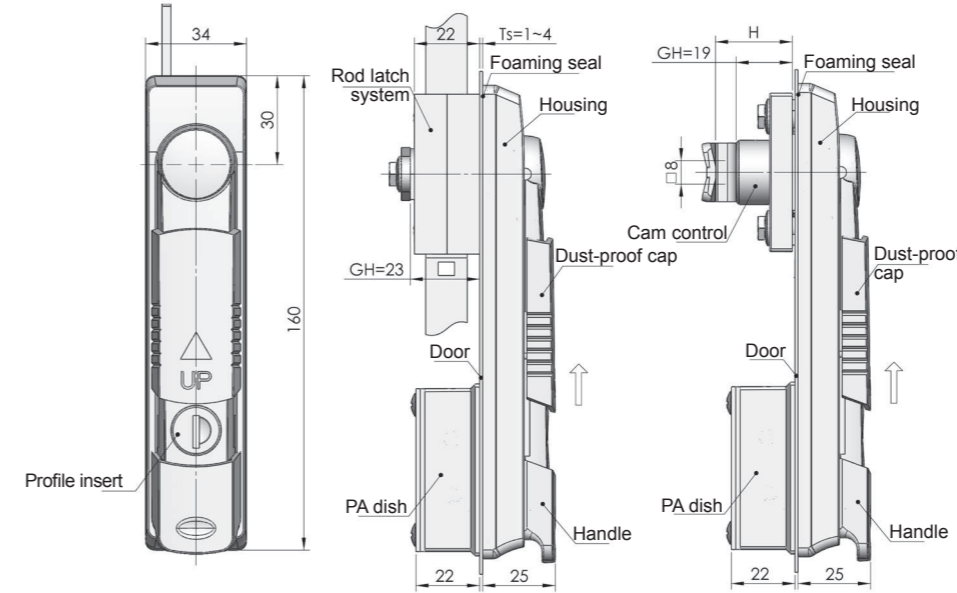
See cam latch system Mb9 series on P174

Rod latch system Mb0 series on P175

TC01/TC02/TC03 profile insert on P027

Remarks: PA housing or ZDC housing ,default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS846-1	MS846Z1B140001
Optional rod latch system Mb01, padlockable	MS846-1-P	MS846Z1B140002
Optional rod latch system Mb02	MS846-1-2	MS846Z1B140005
Optional rod latch system Mb02, padlockable	MS846-1-2P	MS846Z1B140007
Cam latch system	MS846-2	MS846Z1B140003
Cam latch system, padlockable	MS846-2-P	MS846Z1B140004



Cut out

Optional accessories:

See cam latch system Mb9 series on P174

Rod latch system Mb0 series on P175

TC01/TC02/TC03 profile insert on P027

Remarks : PA housing or ZDC housing, default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS848-1	MS848Z1B140017
Optional rod latch system Mb02	MS848-1-2	MS848Z1B140004
Cam latch system	MS848-2	MS848Z1B140010

MS848



Main material and finish: Pocked black powder coated ZDC handle and housing, ZDC profile insert, white zinc- plated steel cam and rod

Application: 90 degree handle rotation combines with rod latch to open or close

Remarks: Default profile insert TC01, default key K140

Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

Handle load tension capability: ≤ 520N

Handle load torque capability: ≤ 27N.m

Maximum static load: 270N(cam type)

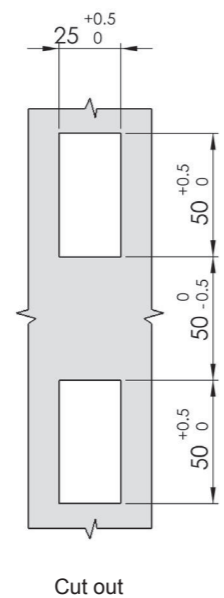
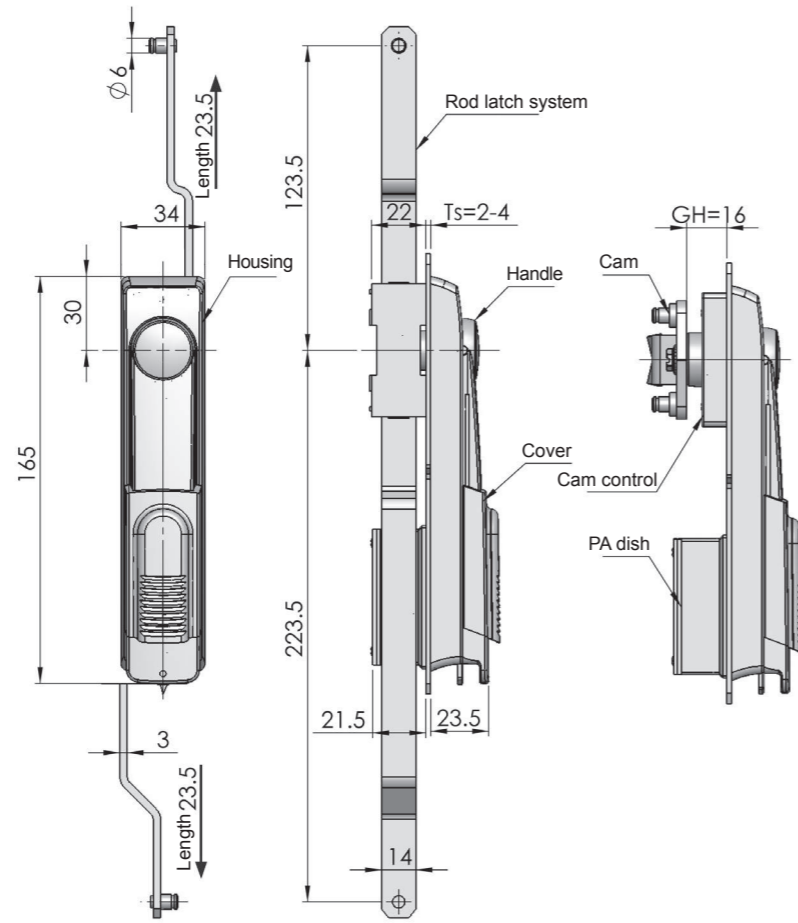
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS848-1E



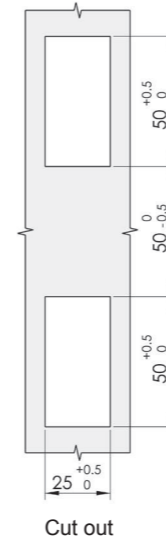
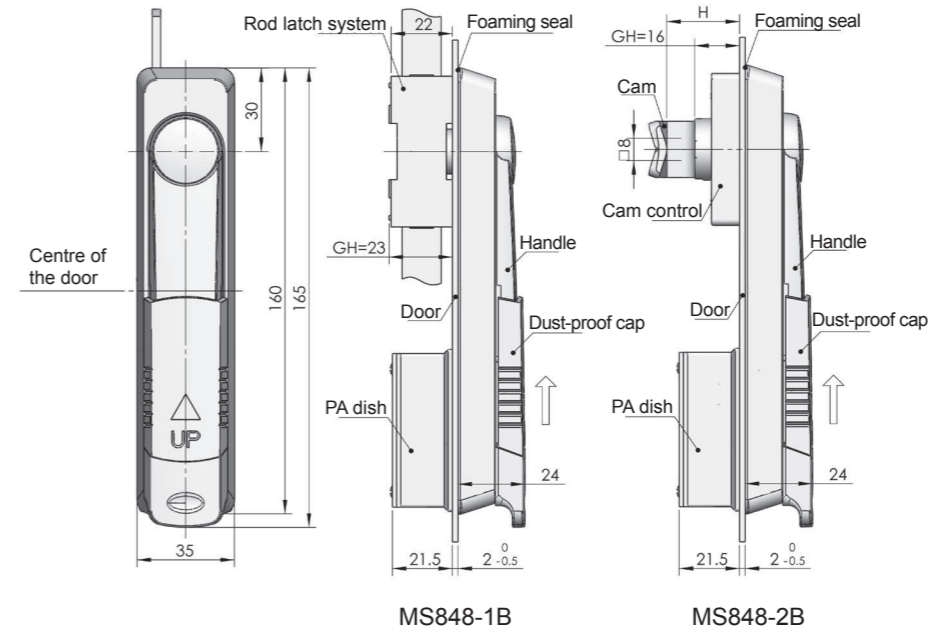
Main material and finish: Black PA housing, Handle, dust-proof cap, zamak profile insert
Finish : Bright chrome plated insert, white zinc plated cam and rod drive
Remarks : Optional profile insert TC01, TC02, TC03 Default TC01 with K14

Performance parameter:
 Handle load tension capability: $\leq 170N$
 Handle load torque capability: $\leq 20N.m$



Optional Accessories:
 See cam latch system Mb9 series on P174
 Rod latch system Mb4 series on P192

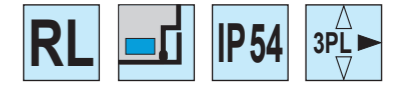
ERP MS848N00140038



Optional Accessories:
 See cam latch system Mb9 series on P174
 Rod latch system Mb2 series on P175

Specification	Model	ERP
Rod latch system	MS848-1B	MS848N00140002
Cam latch system	MS848-2B	MS848N00140018

MS848-B



Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert

Application: Handle quarter-turn combines with rod latch system to open or close
Remarks: Default profile insert TC01, default Key K140

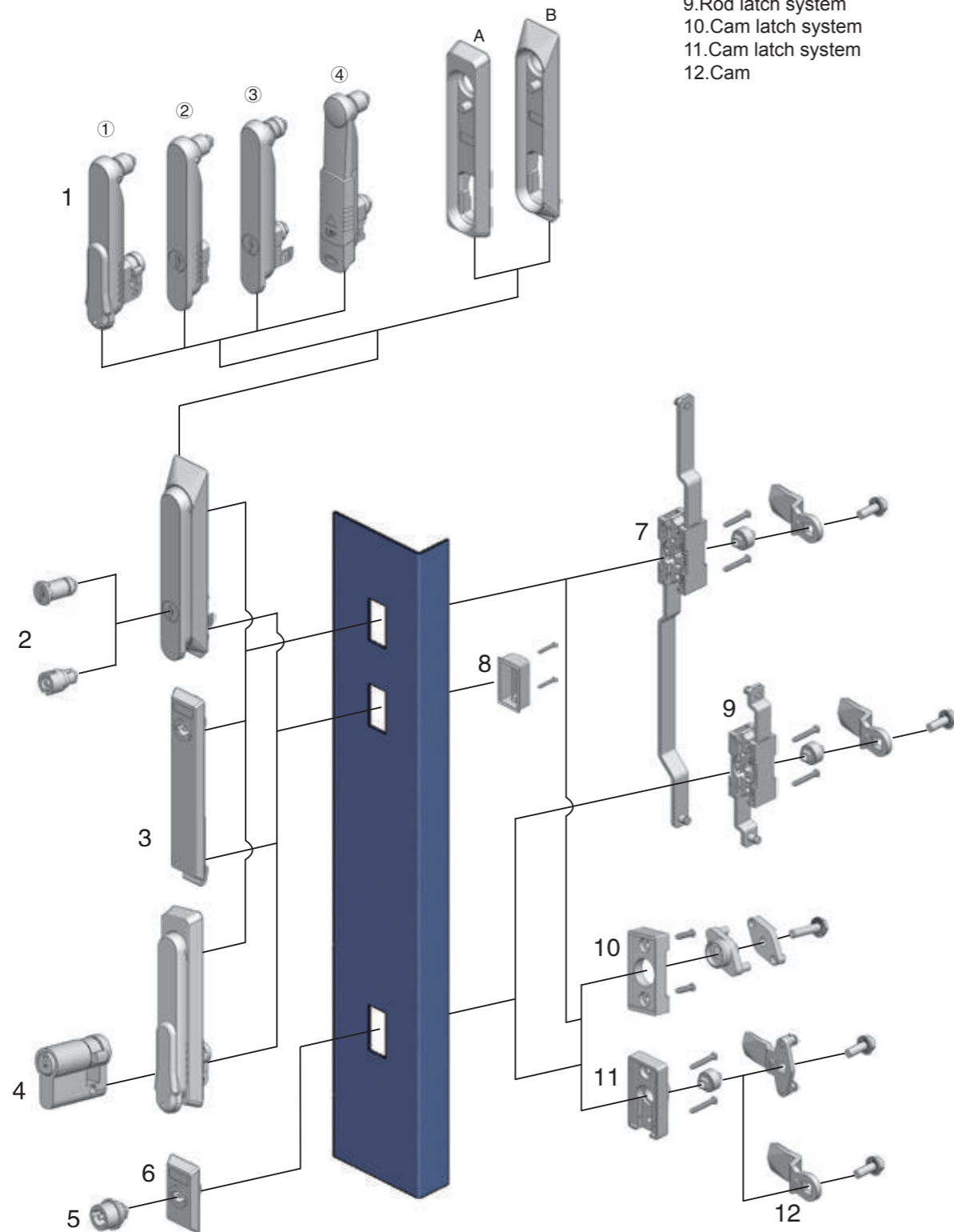
Default cam: S1B45Y07002 (Cam type)

Performance parameter:
 Handle load tension capability: $\leq 170N$
 Handle load torque capability: $\leq 20N.m$

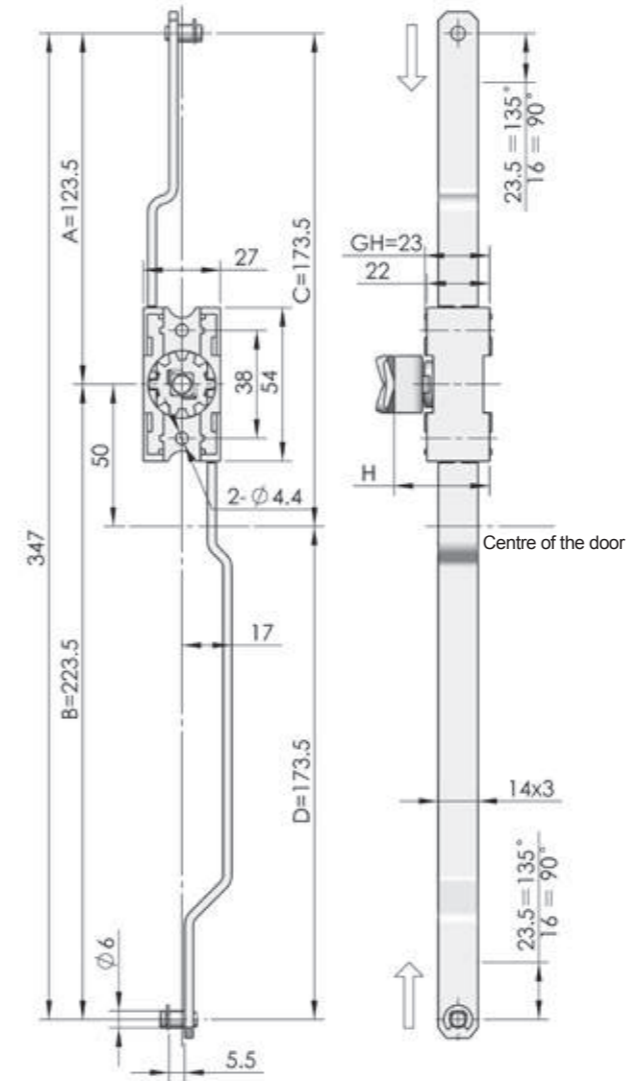
Accessories
 Electronic lock
 Handle lock
 Cylinder lock
 Plane lock
 Rod control lock
 Panel lock
 Toggle and hook
 Handles
 Door stop
 Hinge
 Seal gasket

Combination	Item No	
	Rod latch system	Cam latch system
①A	MS840-1A	MS840-2A
①B	MS840-1D	MS840-2D
②A	MS840-1B	MS840-2B
②B	MS840-1E	MS840-2E
③A	MS840-1F	MS840-2F
③B	MS840-1C	MS840-2C
④A	MS848-1B	MS848-2B
④B	MS848-1C	MS848-2C

- 1.Lock-body
- 2.Insert
- 3.Lock-boby
- 4.Profile insert
- 5.Insert
- 6.Lock-body
- 7.Rod latch system
- 8.PA dish
- 9.Rod latch system
- 10.Cam latch system
- 11.Cam latch system
- 12.Cam



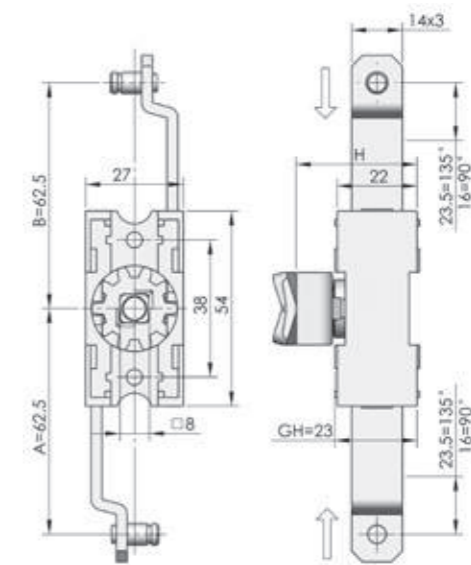
Mb4 Series



Remarks: Default rod latch system, closing position, 135 degree rotation angle, default optional cam S1B3500, cam cutout square 8mm. The rod latch system is used for the seal door-outside

Rod latch system	Dm	Ra	A	B	C	D	Specification
Mb43	23.5	135°	123.5	223.5	173.5	173.5	With cam
Mb44	23.5	135°	123.5	223.5	173.5	173.5	Without cam

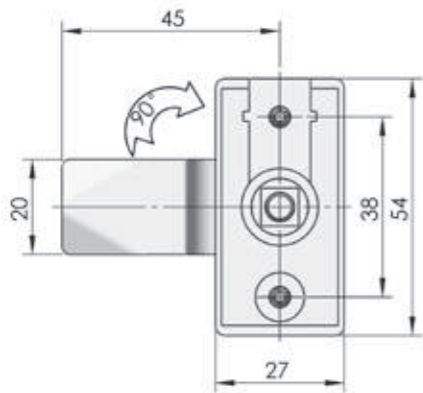
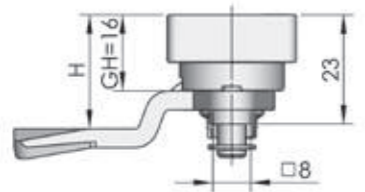
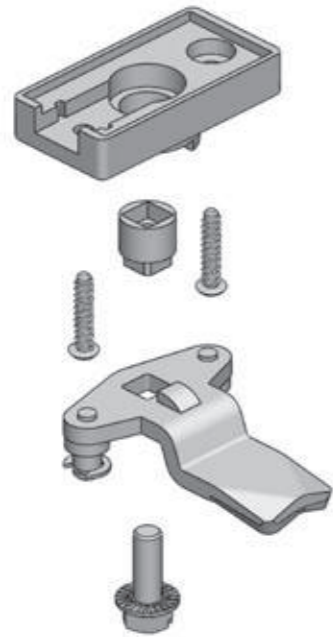
Mb5 Series



Remarks: Default rod latch system, closing position, 135 degree rotation angle, default optional cam S1B3500, cam cutout square 8mm. The rod latch system is used for the seal door-outside

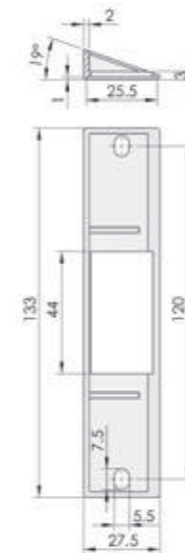
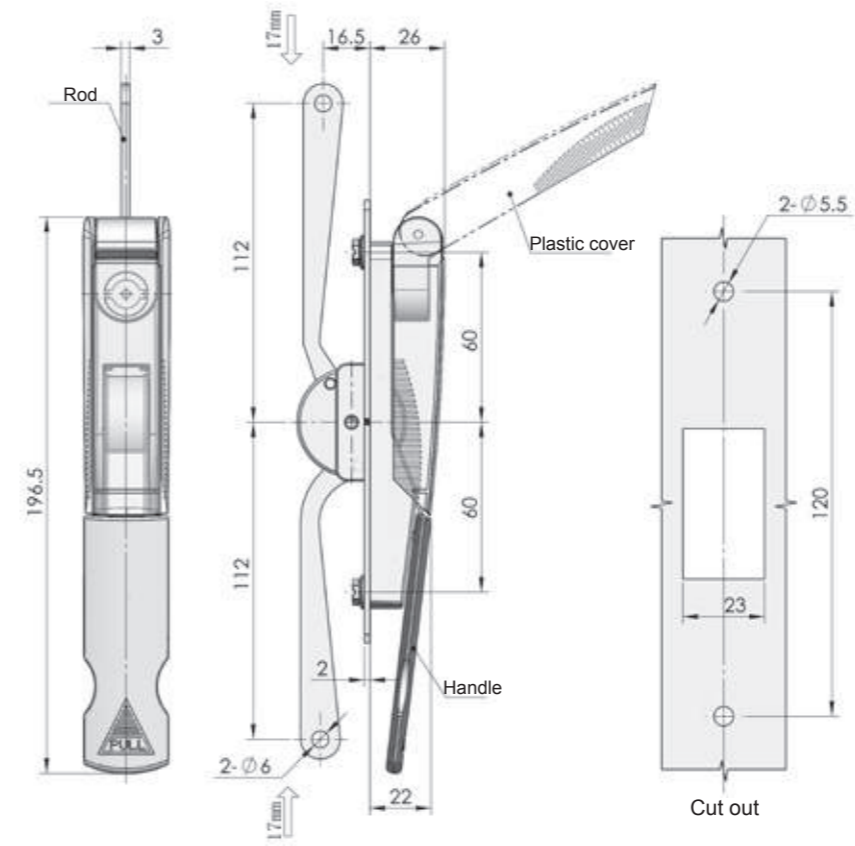
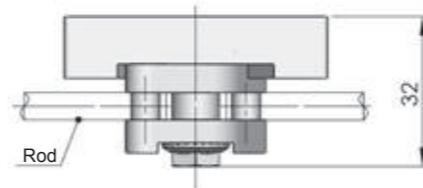
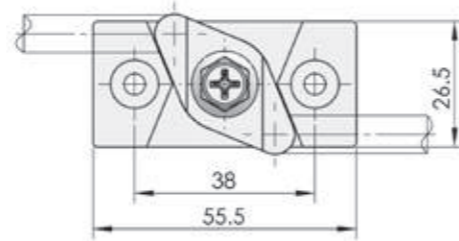
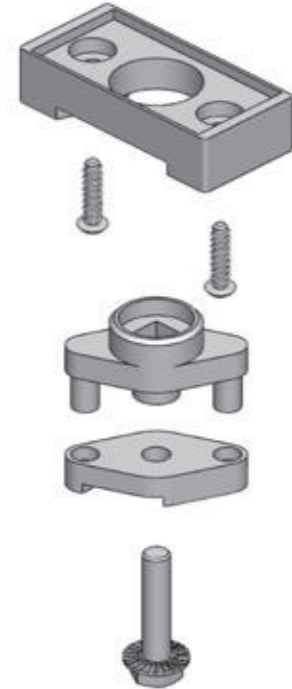
Rod latch system	Dm	Ra	A	B	Specification
Mb51	23.5	135°	62.5	62.5	With cam
Mb52	23.5	135°	62.5	62.5	Without cam

**Mb92-Y
Mb92-Z**



Remarks: Default optional cam S3B4510

Mb94 Series



Support (Optional)

Specification	Model	ERP
Double bit	MS853-1-1	MS853Z1DT01001
Triangular	MS853-1-2	MS853Z1DT04001
Square 8mm	MS853-1-3	MS853Z1DT07001
Slot	MS853-1-4	MS853Z1DT10001
Default Key K04	MS853-2	MS853Z1D040001

MS853



Main material and finish: Blue gray powder coated ZDC handle, housing, ZDC support, white zinc-plated steel rod, PC dust-proof cap

Remarks: Optional Key K15 series or K040

Performance parameter:
Handle load tension capability: ≤275N

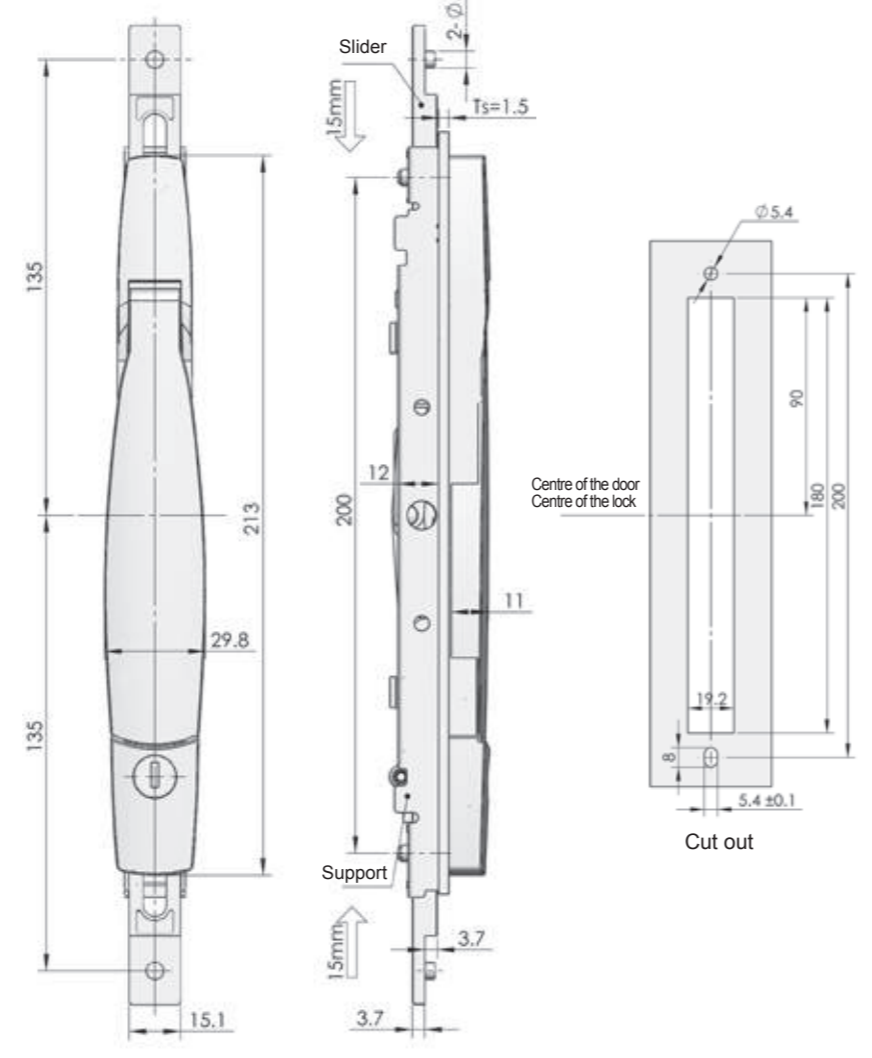
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



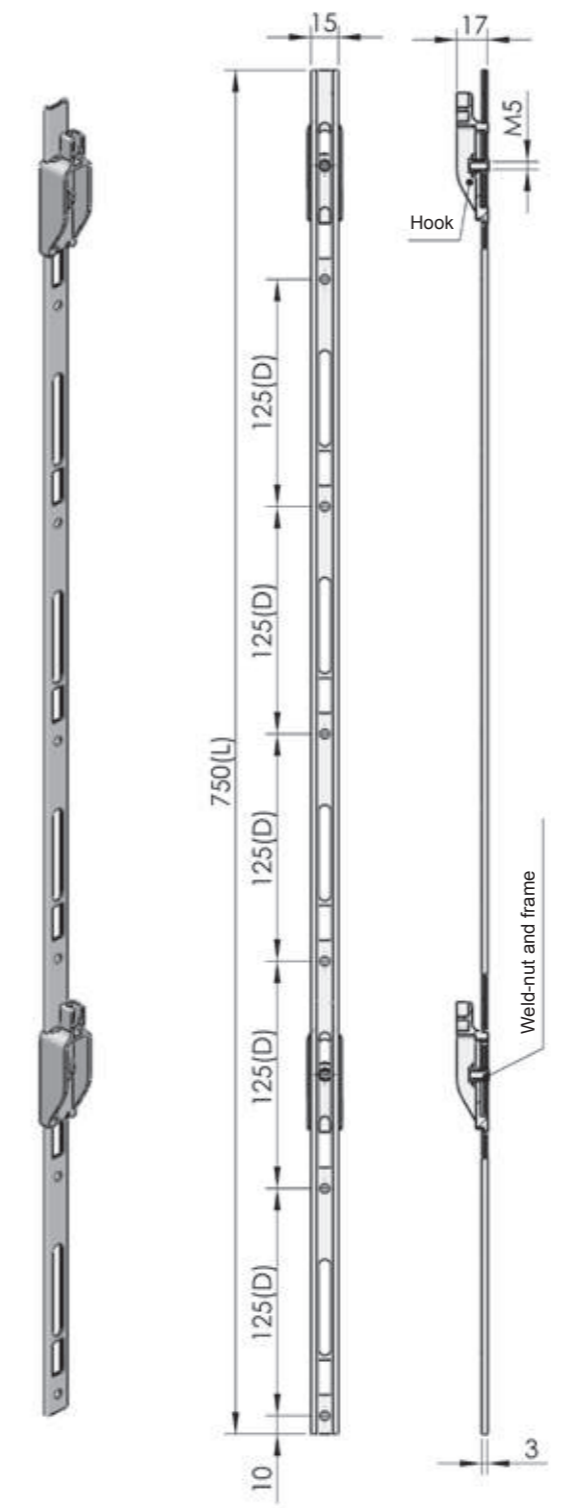
IP40 **MPL**

Main material and finish: Black ABS handle, housing, white zinc-plated ZDC slider, white zinc-plated support
Remarks: Default Key K400

Performance parameter:
Handle load tension capability: ≤ 150N

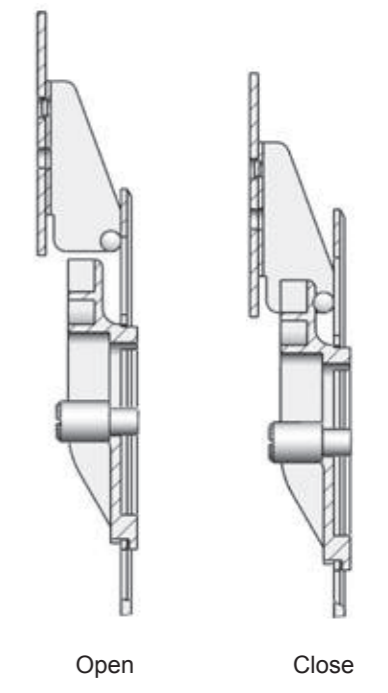


ERP MS855Z1B400001

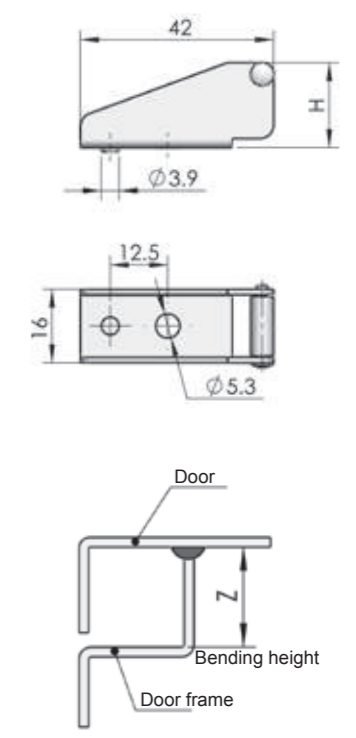


Model	Length (mm)	Lock catch appropriate quantity
LG-2D-250	250	1
LG-2D-375	375	1
LG-2D-500	500	1
LG-2D-625	625	2
LG-2D-750	750	2
LG-2D-875	875	2

Rod length=125 X n, n: Rod-Joint quantity, joint distance=125 ;



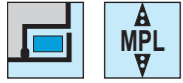
Catcher



Hook No	H	Z
KP1	19	15.5
KP2	20	16.5
KP3	22	18.5
KP4	25	21.5

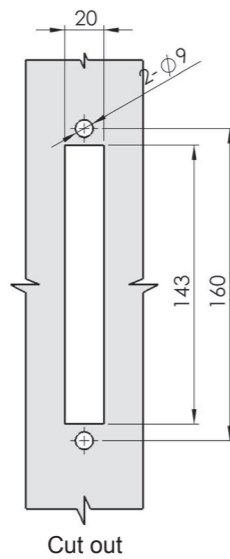
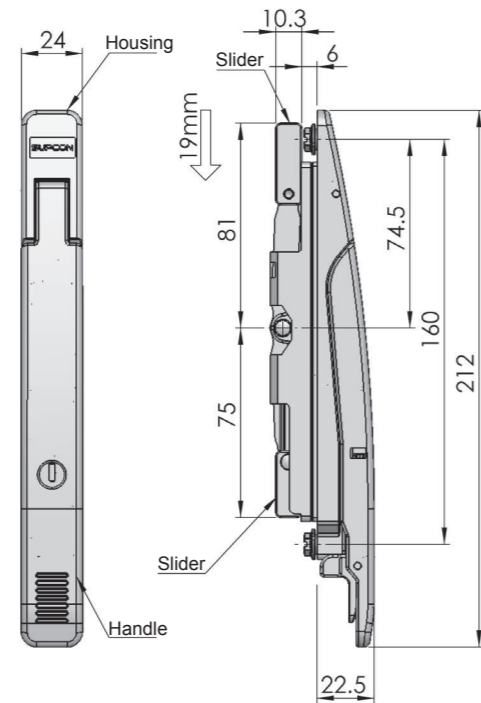
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS855-5



Main material and finish: Painted RAL7030 ZDC housing and handle, ZDC slider and fix part, stainless steel rod
Remarks: Default key K110

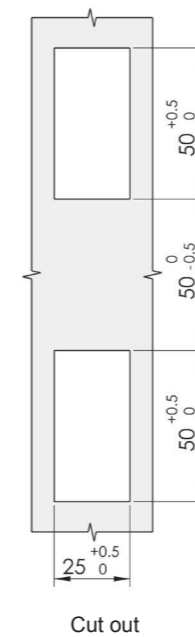
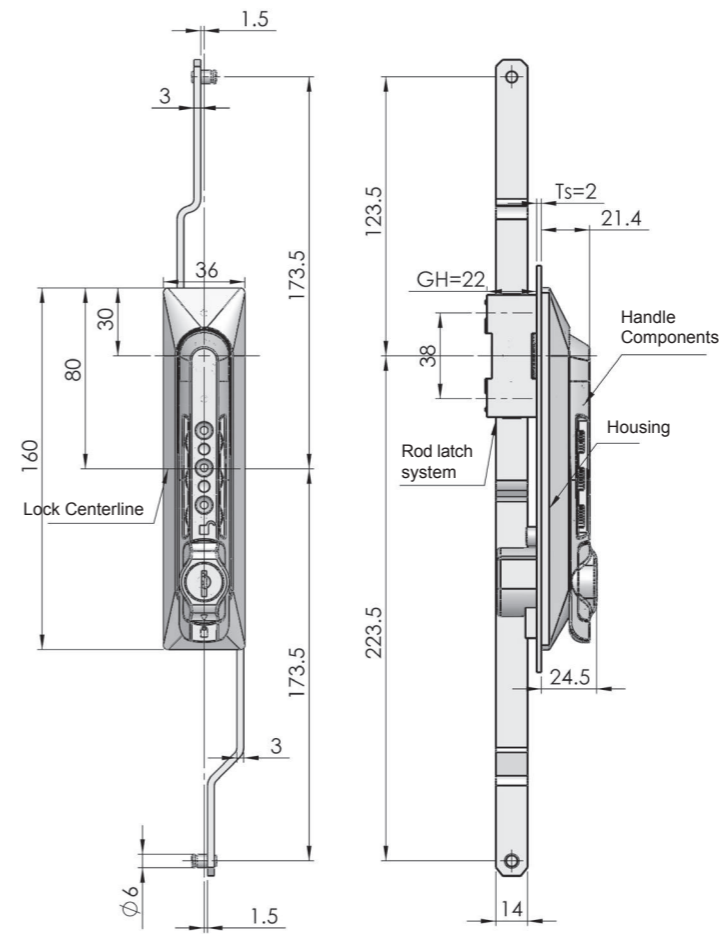
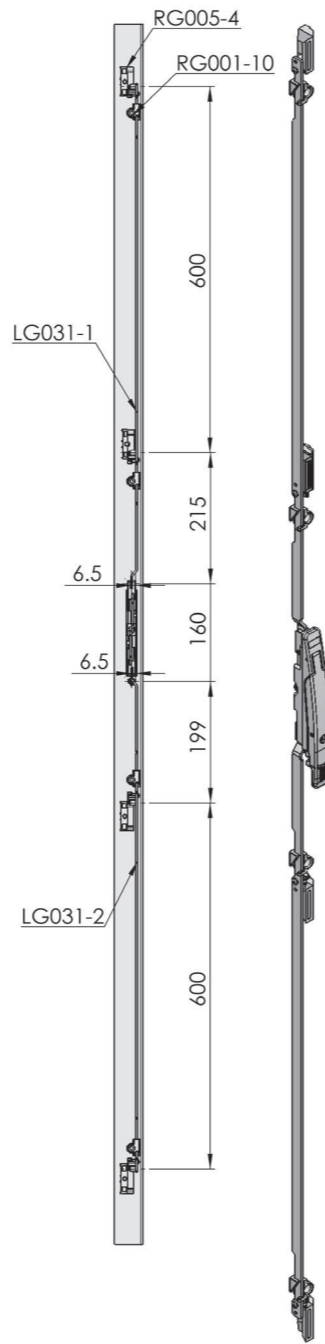
Performance parameter:
 Handle load tension capability: $\leq 800N$



ERP

MS855ZXX110001

Assembly drawing



ERP

MS861N00140019

MS861-2B



Main material and finish: PA housing and handle, white zinc plated ZDC rod latch, white zinc plated steel rod and screws
Remarks: Handle with password
 Default key K140

Performance parameter:
 Handle load tension capability: $\leq 60N$
 Handle load torque capability: $\leq 5N.m$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

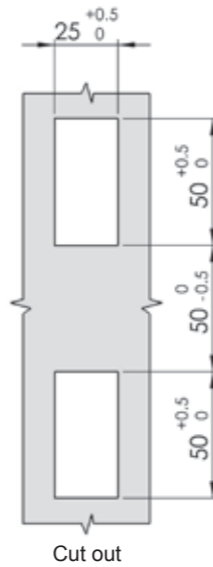
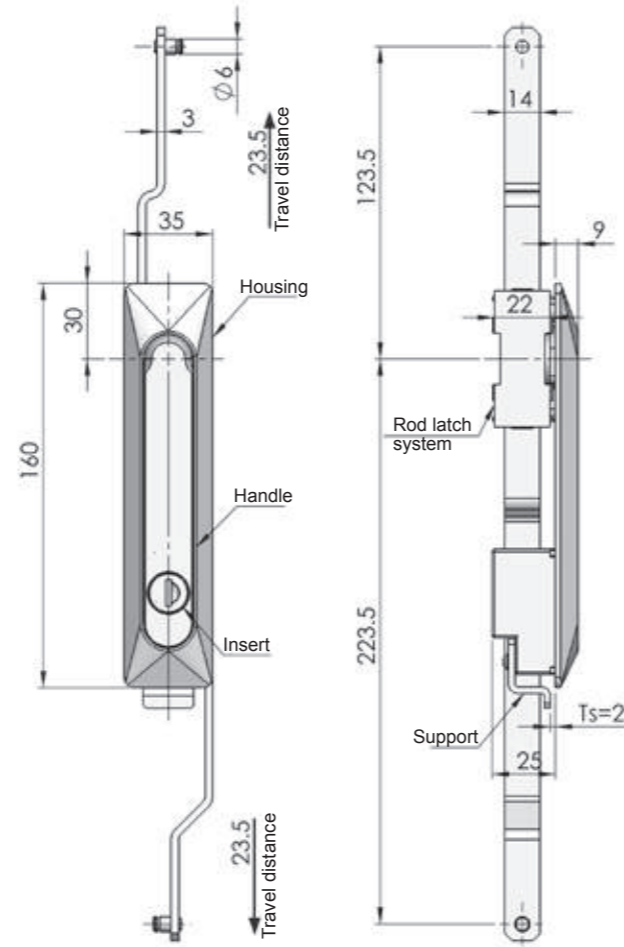
MS861-2E



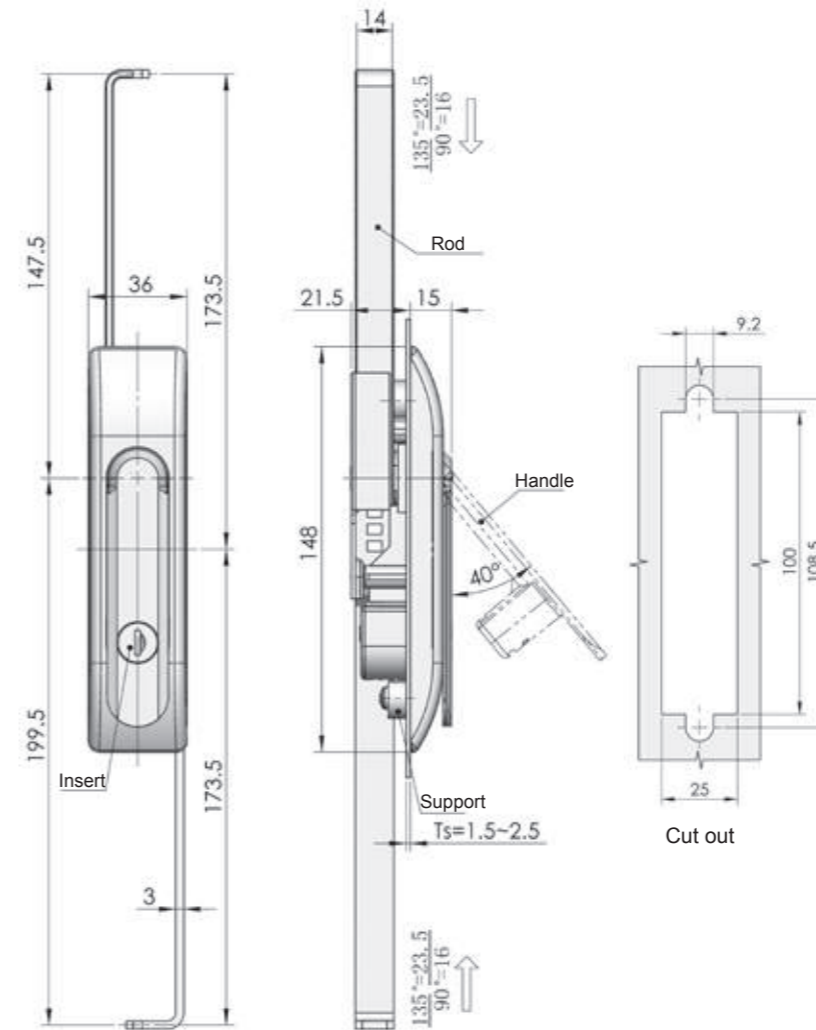
Main material and finish: PA housing, Black powder coated ZDC handle, white zinc plated ZDC shaft and insert, white zinc plated steel rod latch and cam

Application: 135 degree handle rotation to open or close, padlock device for choose

Performance parameter:
Handle load tension capability: ≤ 290N
Handle load torque capability: ≤ 22N.m



ERP MS861Z2A140001



MS865



Main material and finish: Black PA housing, pocked black powder coated ZDC handle, white zinc-plated steel rod

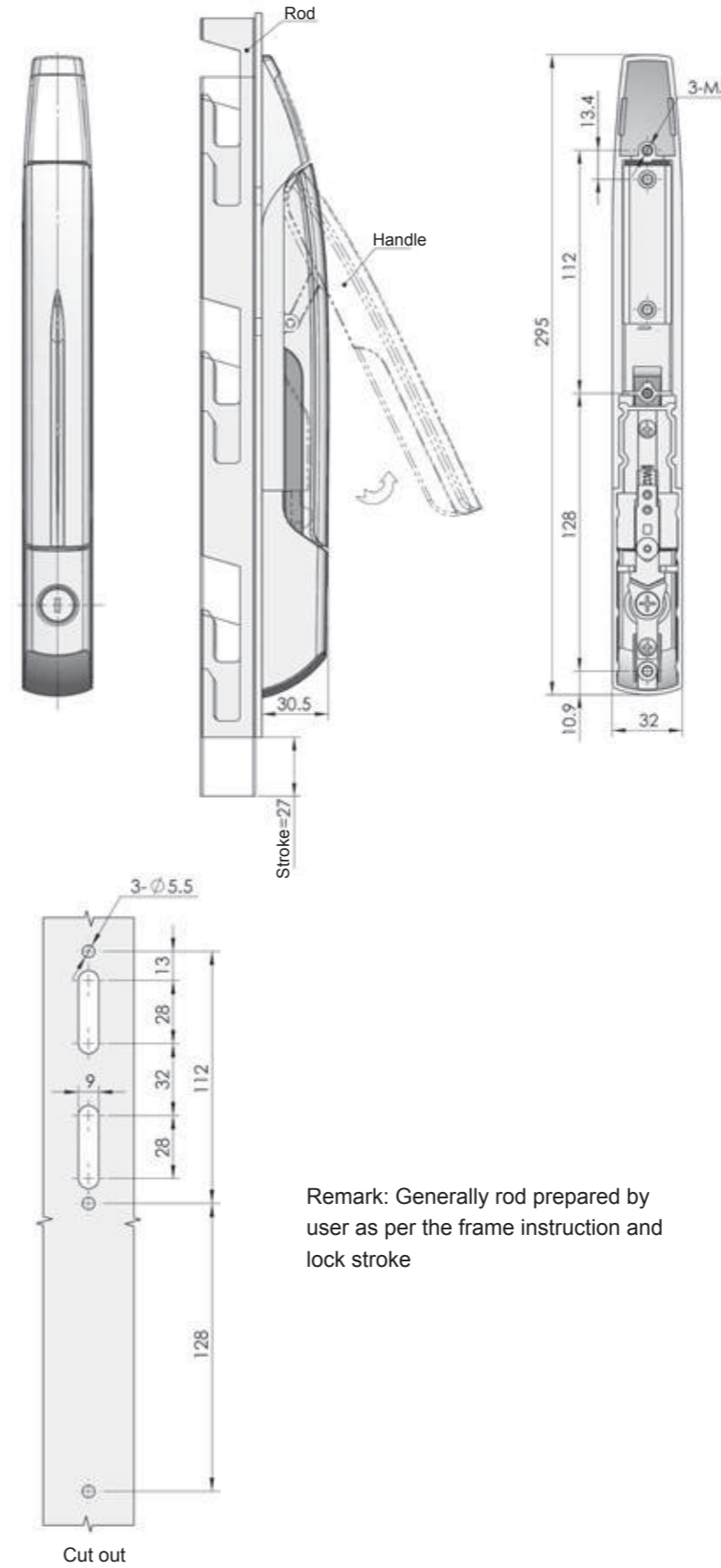
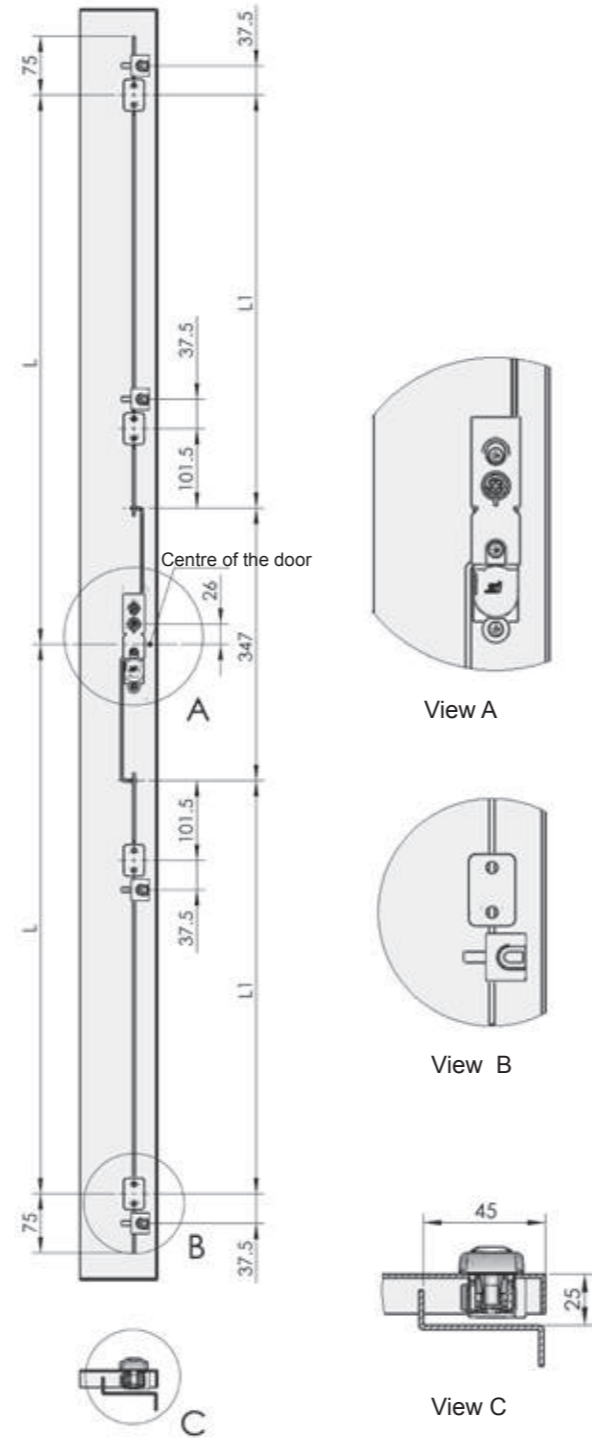
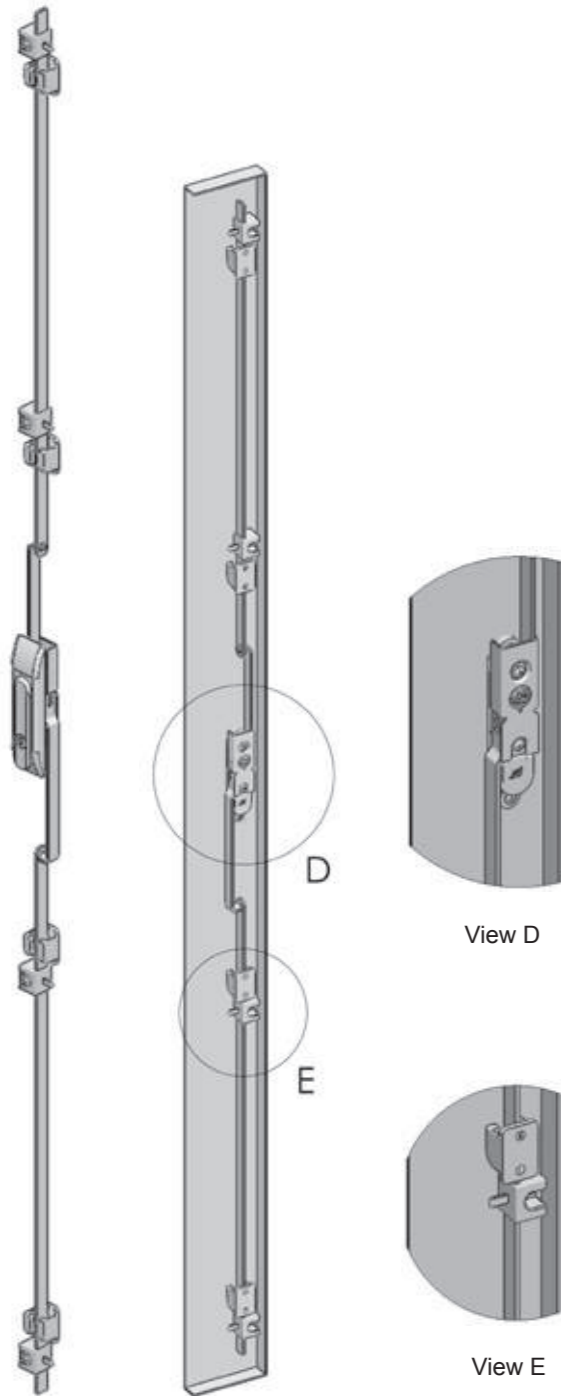
Application: Handle quarter-turn combines with rod latch system to open or close

Remarks: Default Key K140

Performance parameter:
Handle load tension capability: ≤ 195N
Handle load torque capability: ≤ 10N.m

Specification	Model	ERP
PA housing and handle	MS865-1	MS865N00140002
PA housing and pocked coated ZDC handle	MS865-1A	MS865N00140006

Mb95 rod latch system



ERP

MS867Z1E082001

MS867



IP40 **MPL**

Main material and finish: Yellow gray powder coated ZDC handle and housing, white zinc-plated ZDC rod

Application: Handle rotation to open or close rapidly, easy assembling

Remarks: Default Key K082

Performance parameter:

Handle load tension capability: ≤ 490N

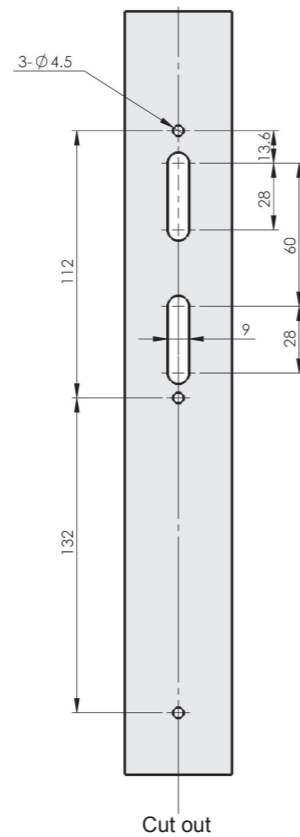
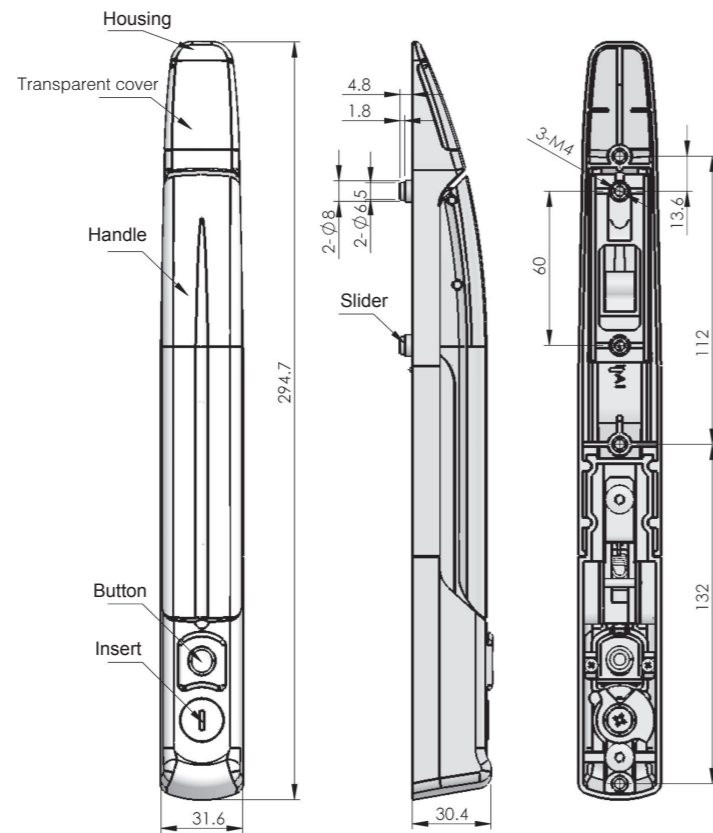
MS867-8



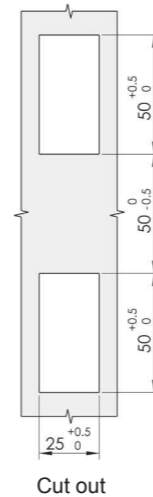
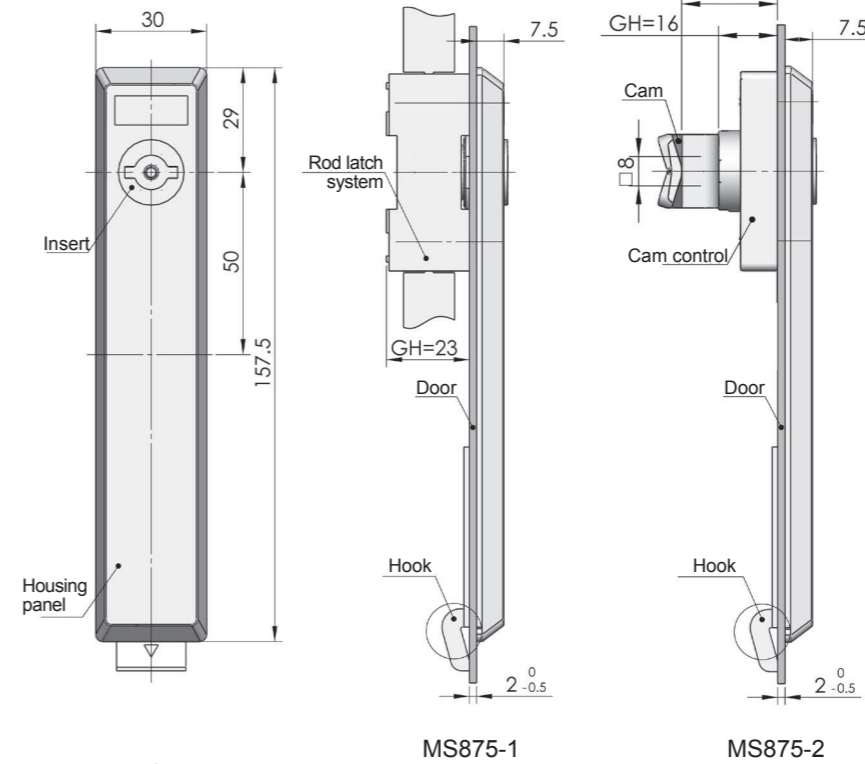
Main material and finish: RAL7035 ZDC housing, handle and button, zinc plated slider.

Application: Turn the key and press the button, the handle can automatically pop up, thus driving the slider to move and open the door

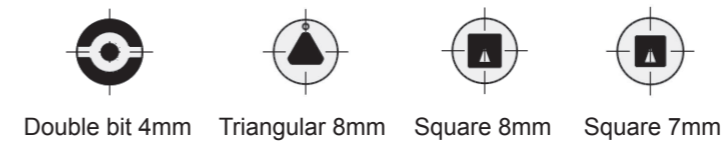
Remarks: Default Key K14
Rod structure is same as MS867



ERP MS867Z2A140001



Optional Accessories:
See cam latch system Mb9 series on P175
Rod latch system Mb4 series on P192



Specification	Rod latch system		Cam latch system		Optional key
	Model	ERP	Model	ERP	
Double bit	MS875-1-1	MS875N00T02014	MS875-2-1	MS875N00T02013	K15-1A, K15-1F
Triangular 8mm	MS875-1-2	MS875N00T04001	MS875-2-2	MS875N00T04003	K15-3, K15-3F
Square 7mm	MS875-1-3	MS875N00T06001	MS875-2-3	MS875N00T06003	K15-6, K15-6F
Square 8mm	MS875-1-4	MS875N00T07001	MS875-2-4	MS875N00T07003	K15-4, K15-4F

**MS875-1
MS875-2**



Main material and finish: Black PA panel, steel cam and rod, bright chrome-plated ZDC insert

Application: Insert quarter-turn combines with rod latch system to open or close

Remarks: Default Key K15

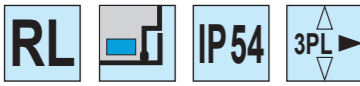
Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Maximum Input torque: ≤10N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

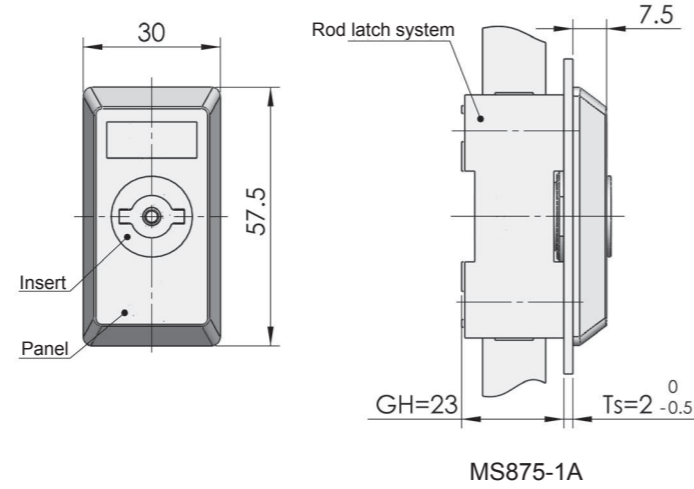
MS875-1A
MS875-2A



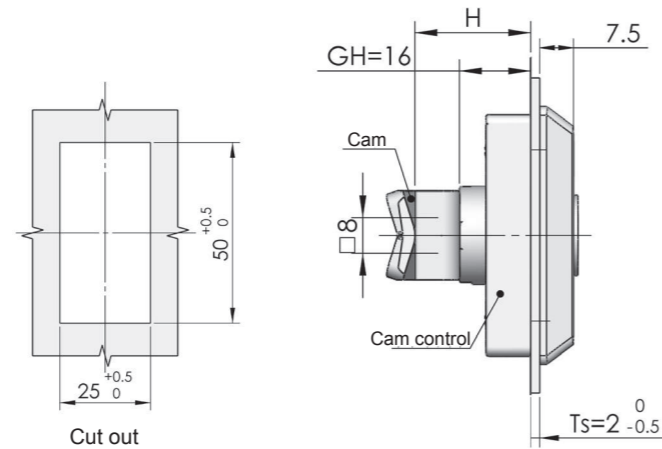
Main material and finish: Black PA panel, bright chrome-plated ZDC insert, white zinc-plated steel cam and rod
Application: Insert quarter-turn combines with rod latch system to open or close
Remarks: Default Key K15 series

Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Maximum Input torque: ≤10N.m

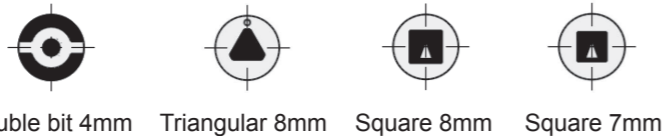


MS875-1A

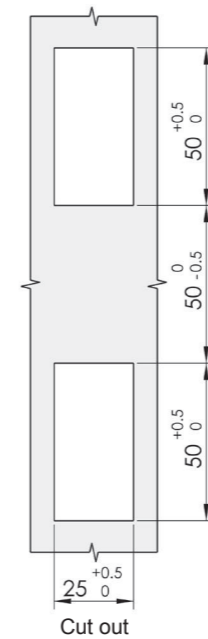
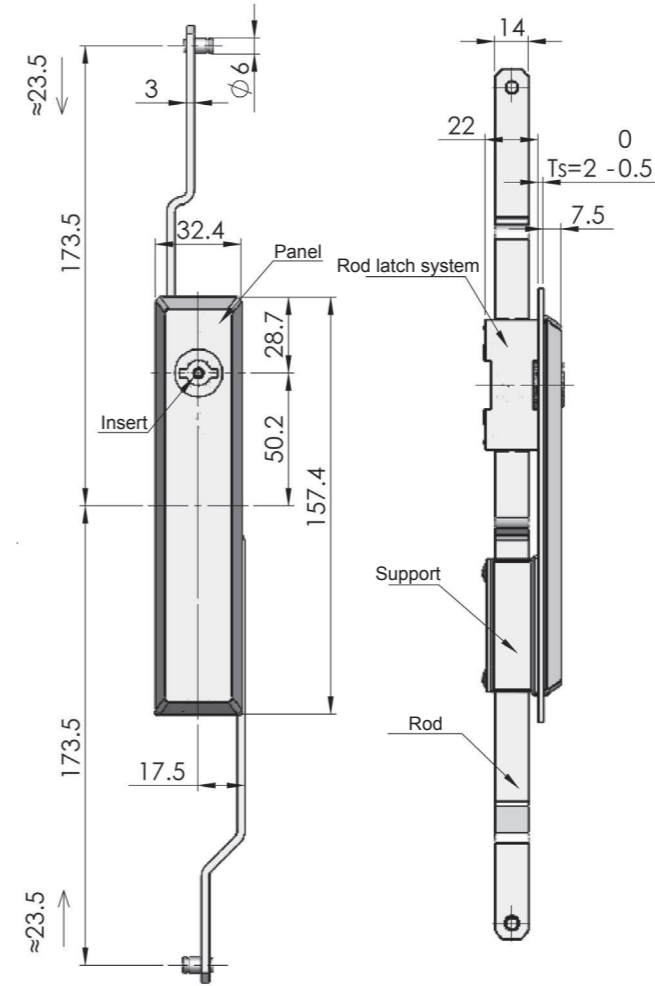


MS875-2A

Optional Accessories:
 See cam latch system Mb9 series on P174
 Rod latch system Mb5 series on P192



Specification	Rod latch system		Cam latch system		Optional key
	Model	ERP	Model	ERP	
Double bit	MS875-1A-1	MS875N00T03001	MS875-2A-1	MS875N00T02019	K15-1A, K15-1F
Triangular 8mm	MS875-1A-2	MS875N00T04002	MS875-2A-2	MS875N00T04008	K15-3, K15-3F
Square 7mm	MS875-1A-3	MS875N00T06002	MS875-2A-3	MS875N00T06004	K15-6, K15-6F
Square 8mm	MS875-1A-4	MS875N00T07002	MS875-2A-4	MS875N00T07004	K15-4, K15-4F



MS875-3



Main material and finish: PA housing and panel, Zinc-plated steel cam and rod, chrome-plated ZDC insert
Application: Insert 90° rotation combines with rod latch system to open or close
Remarks: Optional K15 series tool key

Performance parameter:
Maximum Input torque: ≤10N.m

ERP MS875N00T01002

Remarks: Default cam S1B3011D

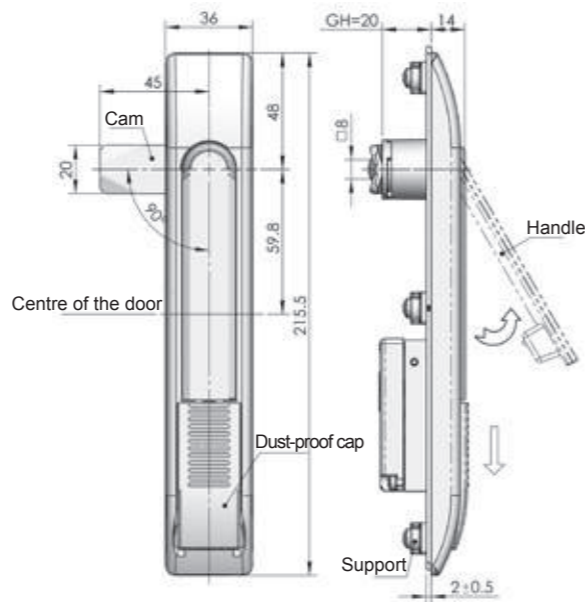
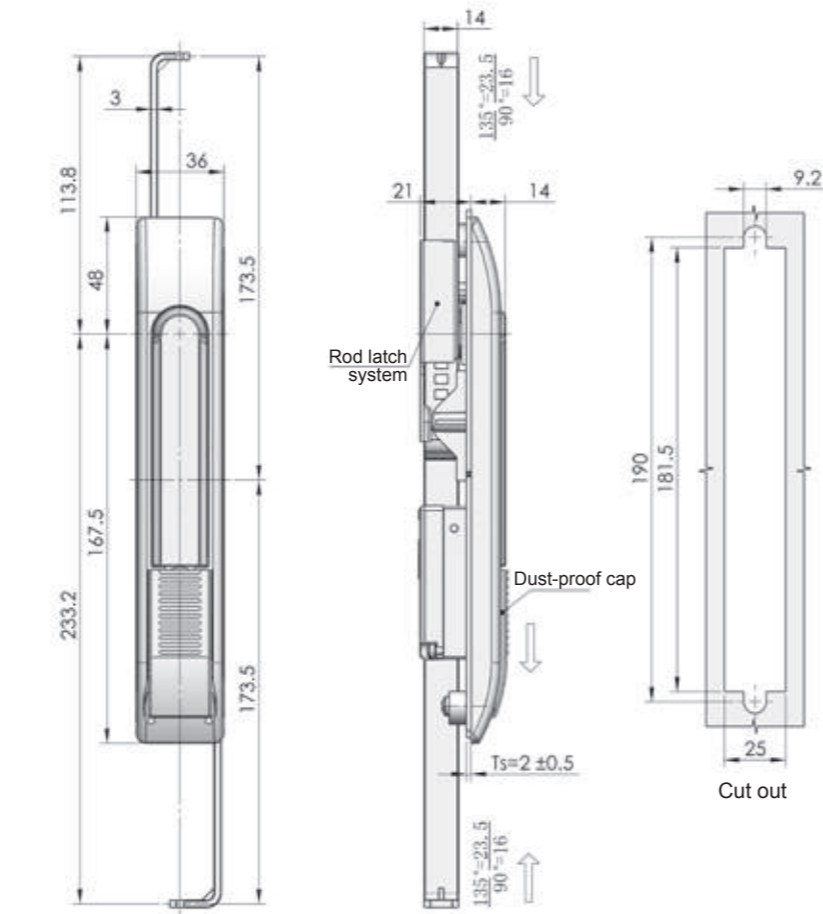
MS876



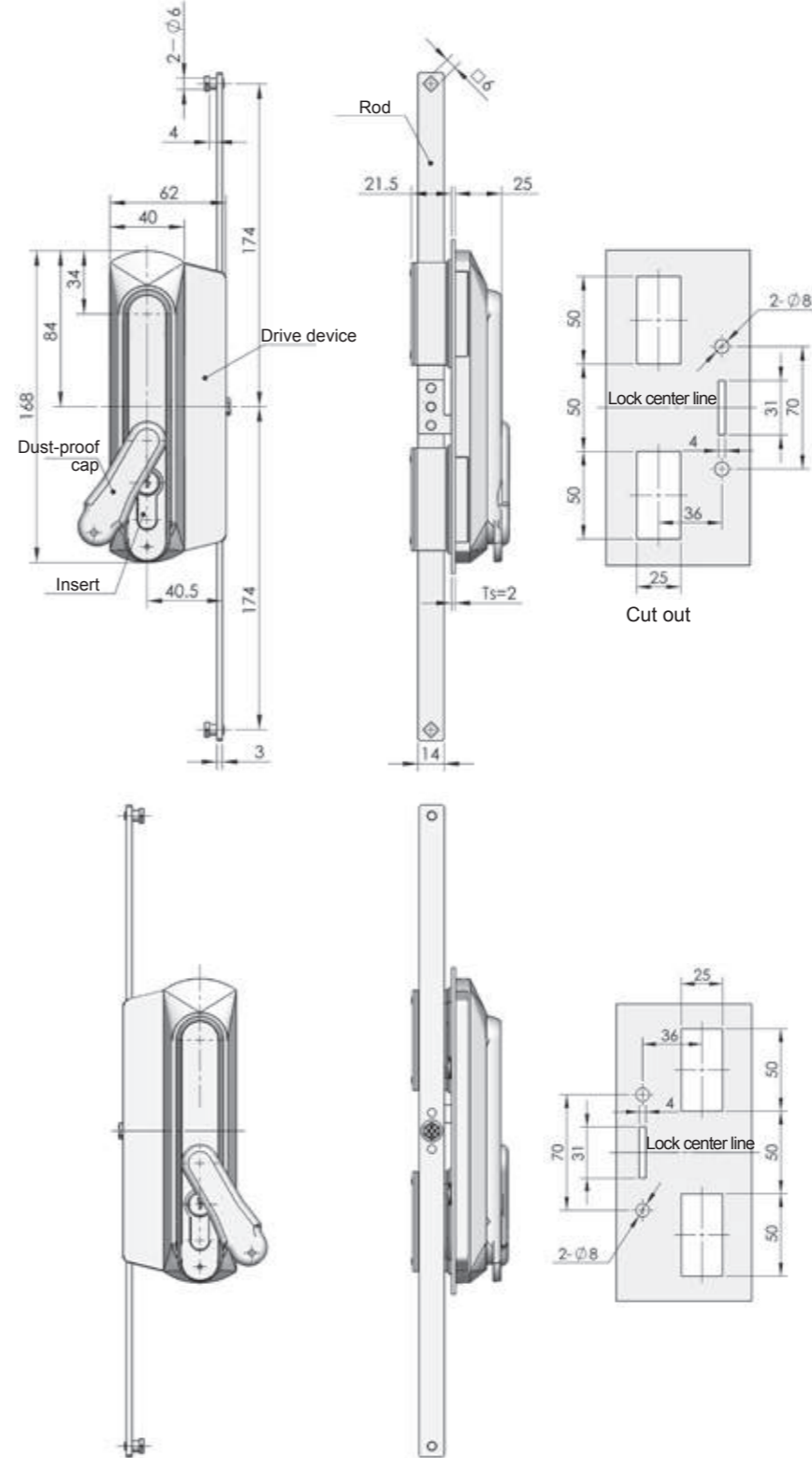
Main material and finish: Black PA housing, bright chrome plated ZDC handle, white zinc-plated steel rod
Application: Handle rotation combines with rod latch to open or close
Remarks: Default key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:
 Handle load tension capability: $\leq 490N$
 Handle load torque capability: $\leq 26N.m$



	MS876 - 1	MS876 - 2
ERP	MS876N00140014	MS876N00140010



Remarks: Change the drive device position to realize LH or RH

Specification	Model	ERP
With dust-proof cap handle and TC series insert	MS882-1A	MS882N00140003
With simple insert handle	MS882-1B	MS882N00140006
With simple insert handle and buckle	MS882-1C	MS882N00140004
With sliding dust-proof cap and TC series insert	MS882-1D	MS882N00140005

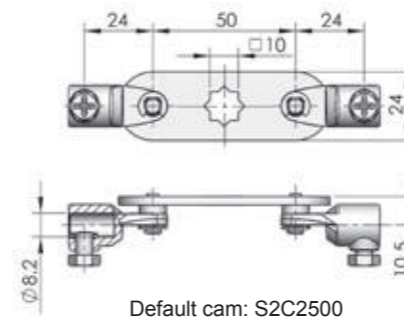
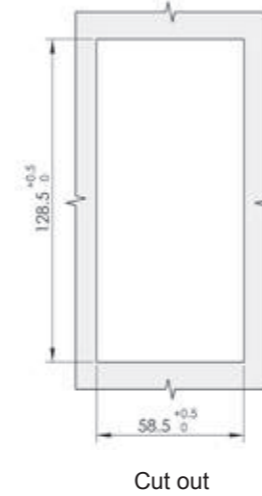
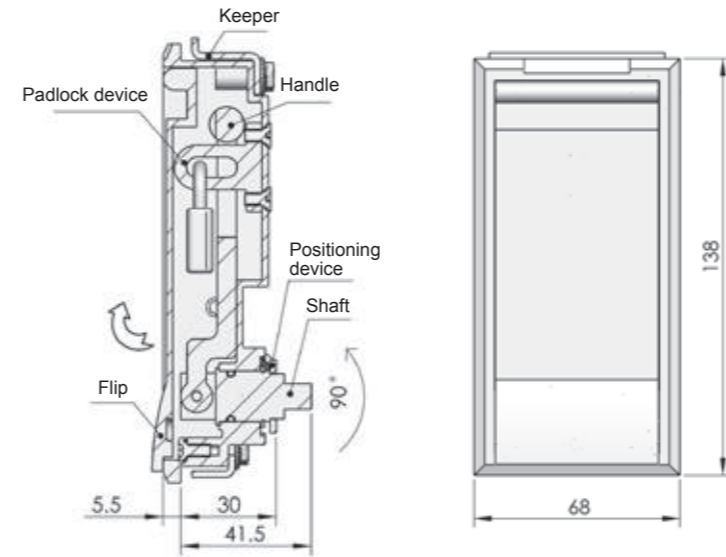
MS882



Main material and finish: Black PA lock body, zinc-plated steel rod
Remarks: Default key K140

Performance parameter:
 Handle load tension capability: $\leq 330N$
 Handle load torque capability: $\leq 30N.m$

PANEL LOCK SERIES



MS850-1A



Main material and finish: Gray powder coated ALU housing, handle and cover, ZDC padlock device, zinc-plated steel shaft and keeper

Default cam: 2893250016

Performance parameter:
Handle load torque capability: ≤ 18N.m

ERP

MS850A1D000001

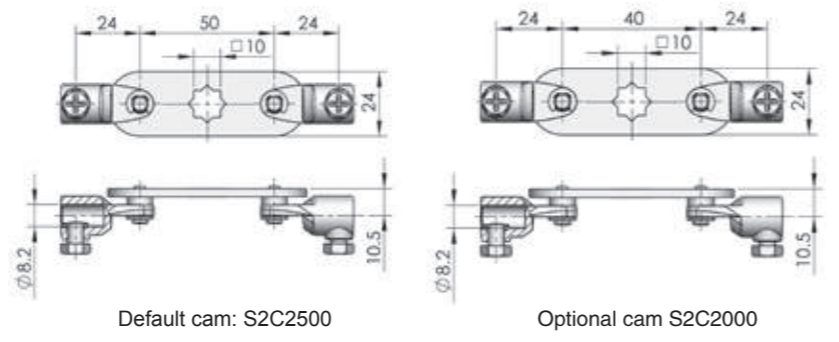
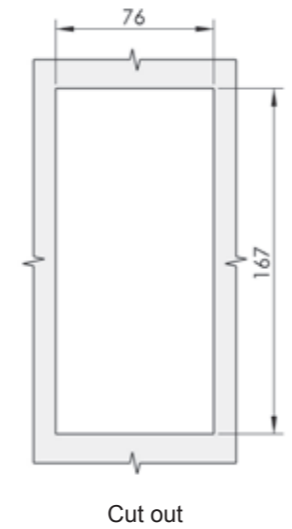
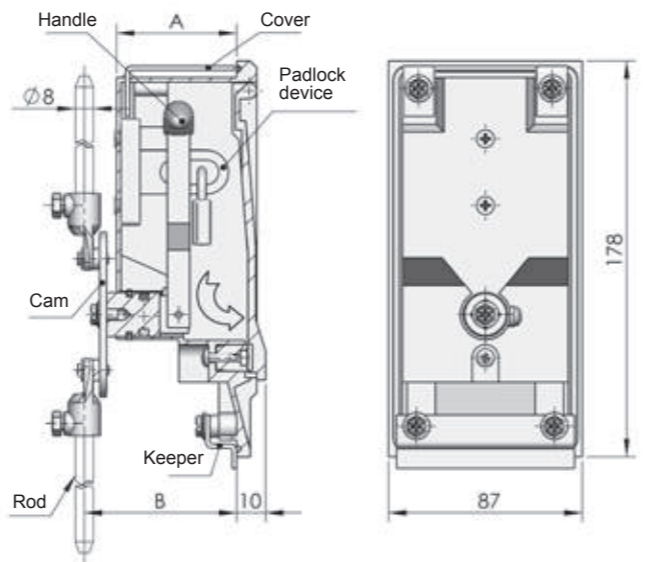
- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock
- Panel lock**
- Toggle and hook
- Handles
- Door stop
- Hinge
- Seal gasket



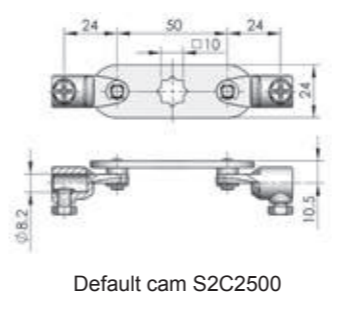
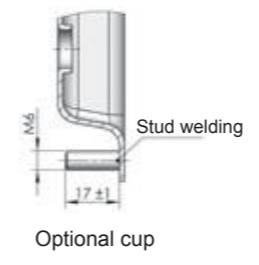
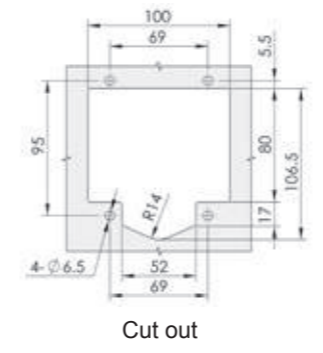
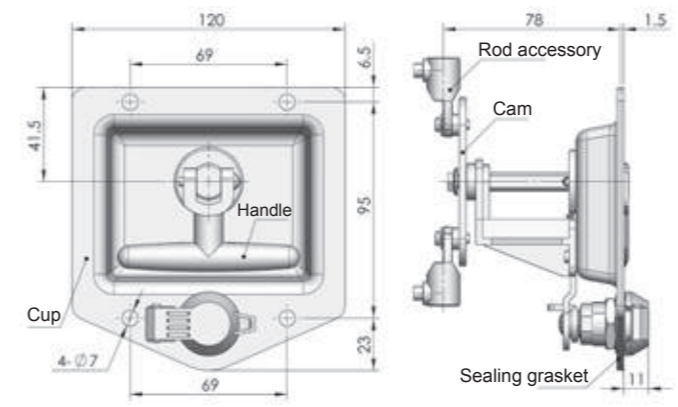
2PL

Main material and finish: Gray powder coated ALU housing, handle, padlock device, cover and shaft, zinc-plated steel cam and keeper

Default cam: 2893250016
Performance parameter:
Handle load torque capability: ≤25N.m



Item	ERP	Specification	
		A	B
MS850-2	MS850A1D000007	54	69
MS850-2A	MS850A1D000008	44	59



ERP	MS856 Hole type	MS856-M Screw bolt type
		MS856S4A130001



2PL

Main material and finish: Mirror polished stainless steel cup, bright chrome-plated ZDC handle, shaft tube and dust-proof cap, white zinc-plated ZDC bracket, steel cam and shaft

Remarks: Default key K130
Default cam: 2891250002
Performance parameter:
Handle load torque capability: 4 ≤ 25N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

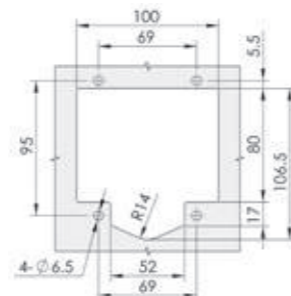
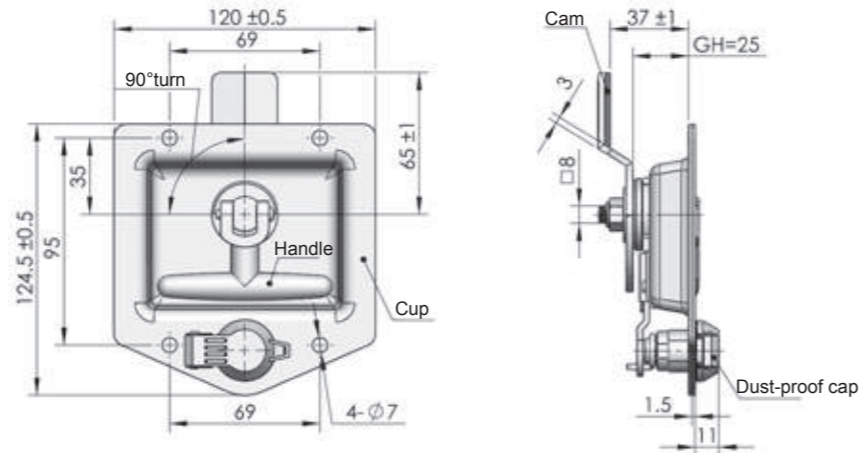
MS857



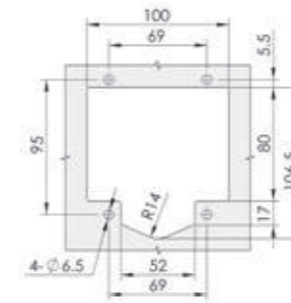
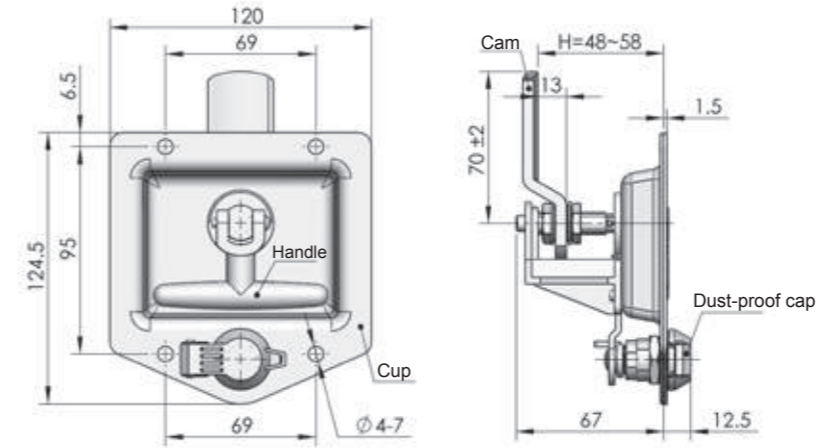
Main material and finish: Mirror polished stainless steel cup, cam and shaft tube, bright chrome-plated ZDC handle, shaft tube and dust-proof cap
Remarks: Default key K130

Default cam: S3B65Y13001

Performance parameter:
Handle load torque capability: $\leq 14N.m$
Cam loading capability: $\leq 510N$



Cut out



Cut out

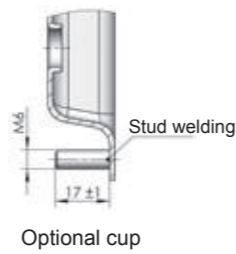
MS858



Main material and finish: Mirror polished stainless steel cup and cam, bright chrome-plated ZDC handle, shaft tube and dust-proof cap, white zinc-plated ZDC bracket and steel shaft
Remarks: Default key K130

Default cam: S1B70Y13002

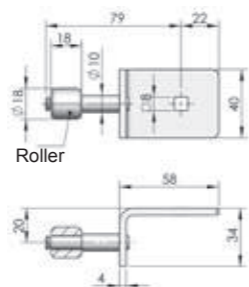
Performance parameter:
Handle load torque capability: $\leq 27N.m$
Cam loading capability: $\leq 510N$



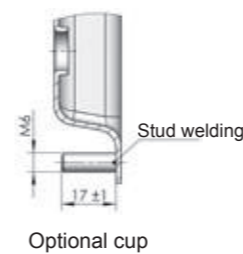
Optional cup



Optional WP003 water-tight cap



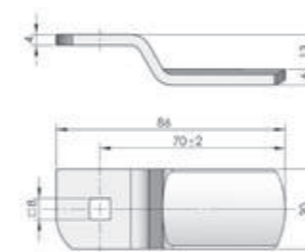
Optional cam S1B1179D



Optional cup



Optional WP003 insert water-tight cap



Default cam S1B7013D

	MS857 Hole type	MS857-M Screw bolt type
ERP	MS857S4A130001	MS857S4A130033

	MS858 Hole type	MS858-M Screw bolt type
ERP	MS858S4A130001	MS858S4A130002

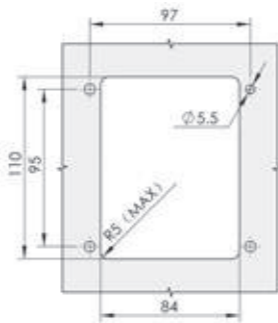
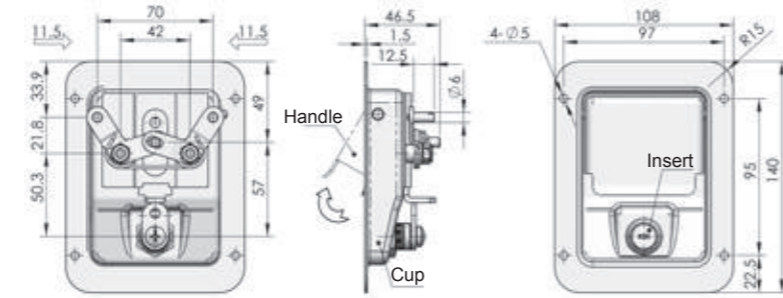
Remarks : ERP excludes Cam

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-1



MS866-1

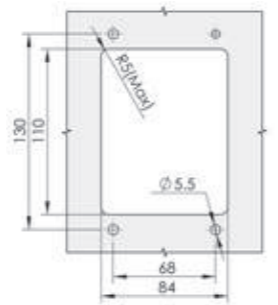
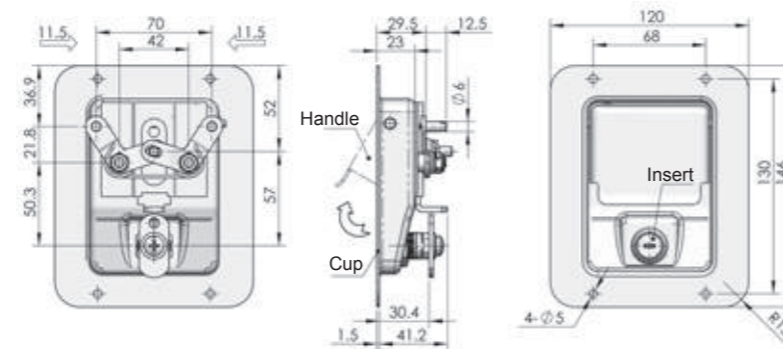


Cut out

MS866-2

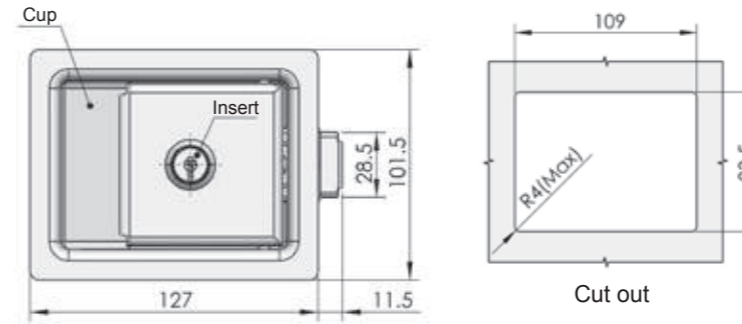
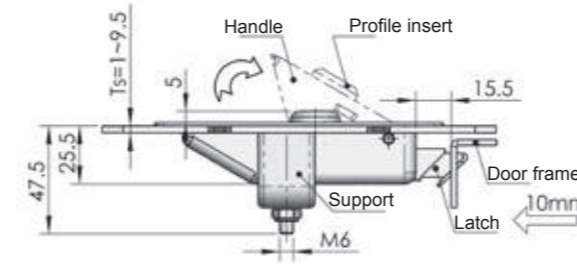


MS866-2



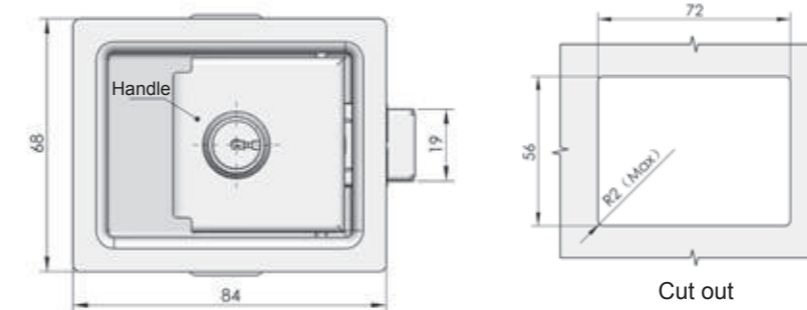
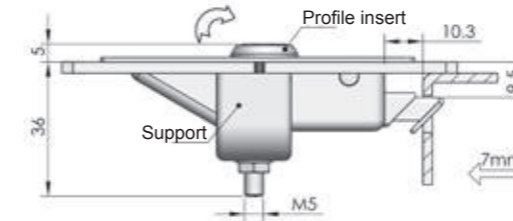
Cut out

	MS866-1	MS866-2
ERP	MS866S4A082001	MS866S4A082002



Cut out

Specification	Without insert		With insert	
	Model	ERP	Model	ERP
Steel	MS866-3A	MS866F1A000006	MS866-3	MS866F1A160001
SUS	MS866-3SA	MS866S4A000005	MS866-3S	MS866S4A160003



Cut out

Specification	Model	ERP
With insert	MS866-4	MS866F1A330001
Without insert	MS866-4A	MS866F1A000001

MS866-3



Main material and finish: Silk black steel cup, handle and ZDC profile insert, zinc-plated steel latch and support
Remarks: Default key K160

Performance parameter:
 Handle load tension capability: ≤ 160N
 Cam loading capability: ≤ 800N

MS866-4



Main material and finish: Silk black steel cup and handle, sand blast and nickel-plated ZDC profile insert, zinc-plated steel latch, support and riveting screw
Remarks: Default key K330

Performance parameter:
 Handle load tension capability: ≤ 200N
 Cam loading capability: ≤ 550N

MS866-5



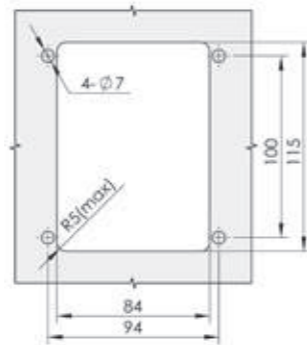
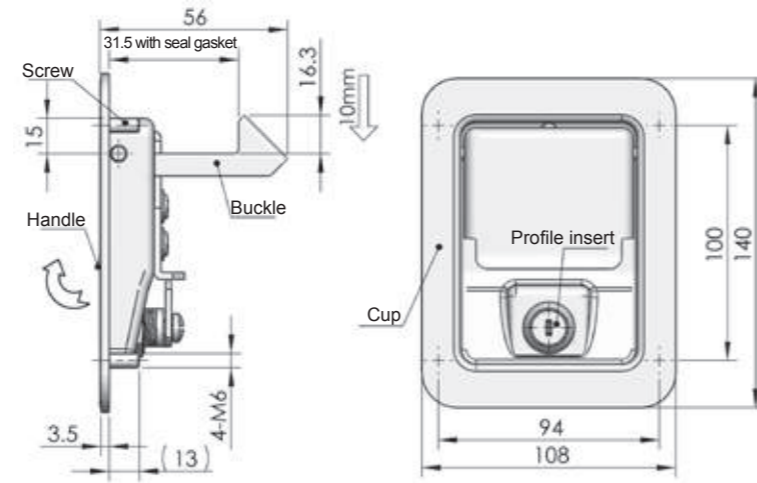
Main material and finish: Silk black steel cup and handle, nickle-plated ZDC profile insert, zinc-plated steel latch, support and weld screw

Remarks: Default key K082

Performance parameter:

Handle load tension capability: ≤ 145N

Cam loading capability: ≤ 800N

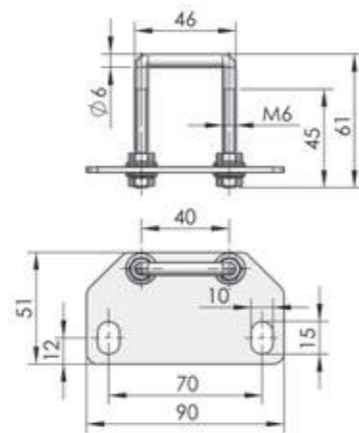


Cut out

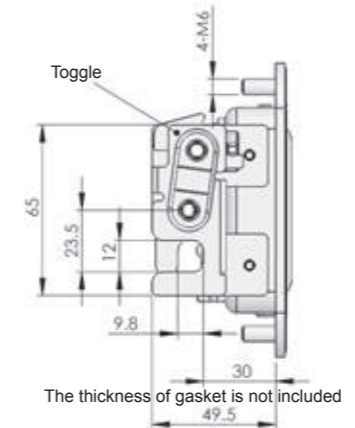
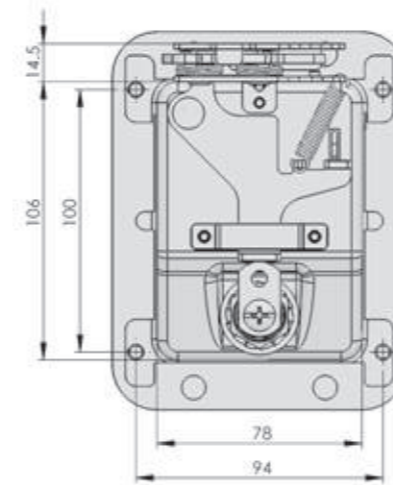
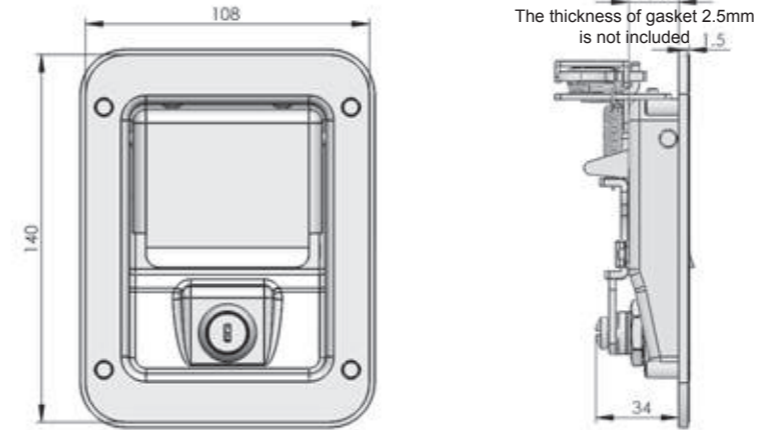
Remarks: default product is without keeper

Specification	Without insert		With insert	
	Model	ERP	Model	ERP
H=31.5	MS866-5	MS866F1A080001	MS866-5A	MS866F1A000003
H=44	MS866-5B	MS866F1A080002	MS866-5BA	MS866F1A000004
H=55	MS866-5C	MS866F1A080003	MS866-5CA	MS866F1A000005

Pull buckle



ERP 2138665001



MS866-5E



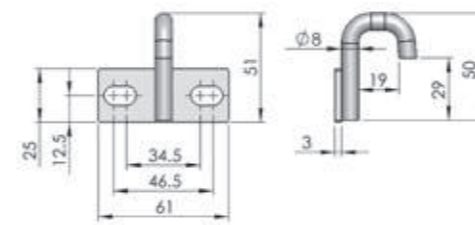
Main material and finish: Silk black steel cup, handle, chrome plated ZDC insert, stainless steel cover

Application: The drawing shows in locked position, the handle can be taken up, but the latch is still in locked position, rotate the insert by 180°, bring along the fork by 90°, pull the handle and latch is open. There are two level locked position, the first grade is half locked, the second is full locked

Remarks: There is catcher available, default one is without catcher. Default key is K49, key different available

Performance parameter:

Handle load tension capability: ≤ 145N



Latch 1



Latch 2

The dimension of Latch 1 and Latch 2 are the same, the welding direction is different

ERP MS866F1A490001

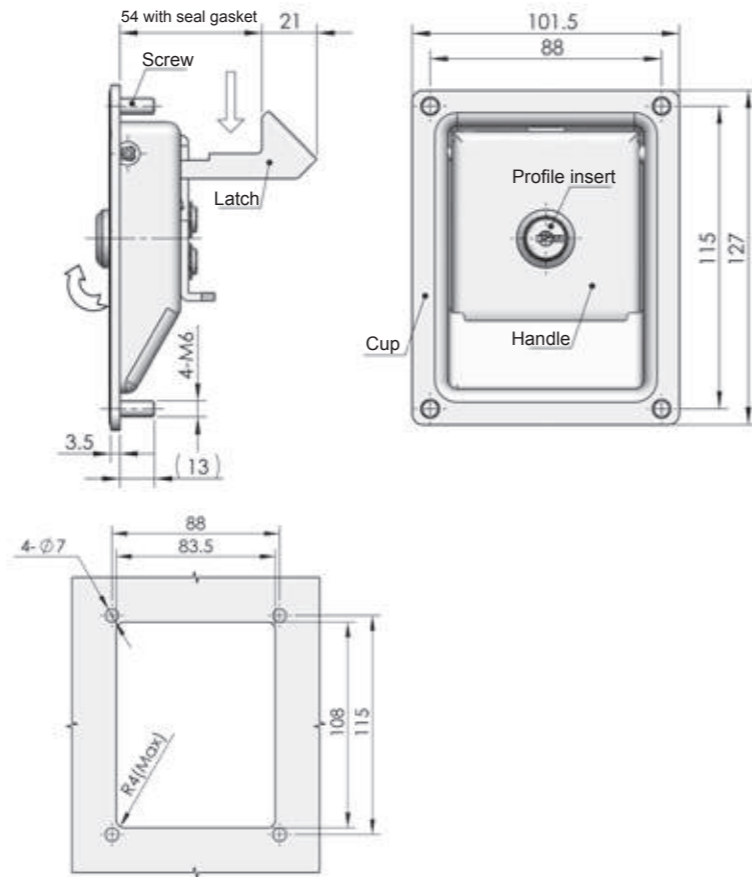


Cut out

MS866-6



Main material and finish: Silk black steel cup, handle and ZDC profile insert, zinc-plated steel latch, support and weld screw
Remarks: Default key K160

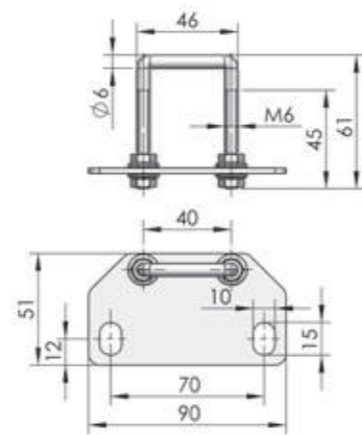


Cut out

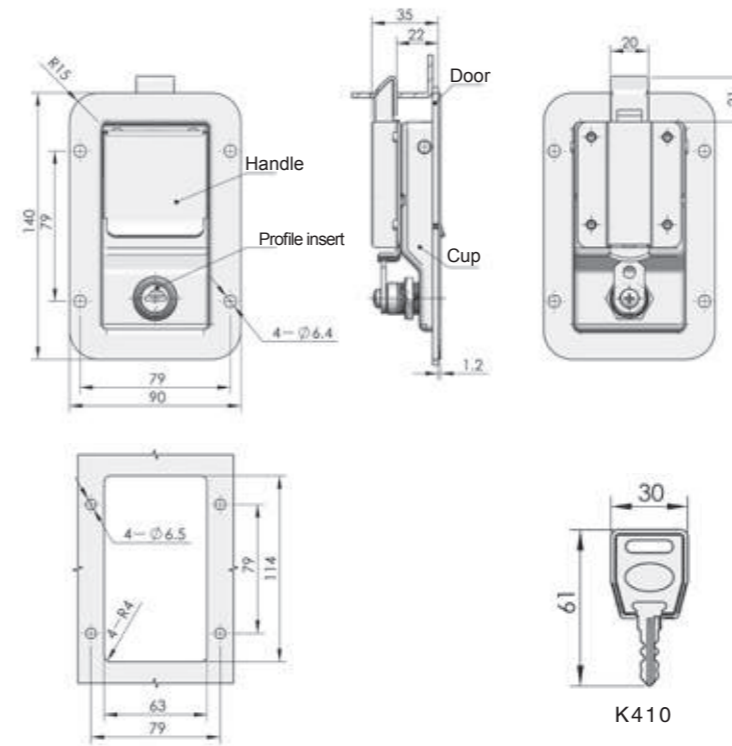
Remarks: default product is with out keeper

	With insert		Without insert	
	Model	ERP	Model	ERP
H=30.5	MS866-6	MS866F1A160004	MS866-6A	MS866F1A000011
H=43	MS866-6B	MS866F1A160003	MS866-6BA	MS866F1A000010
H=54	MS866-6C	MS866F1A160002	MS866-6CA	MS866F1A000009

Pull buckle

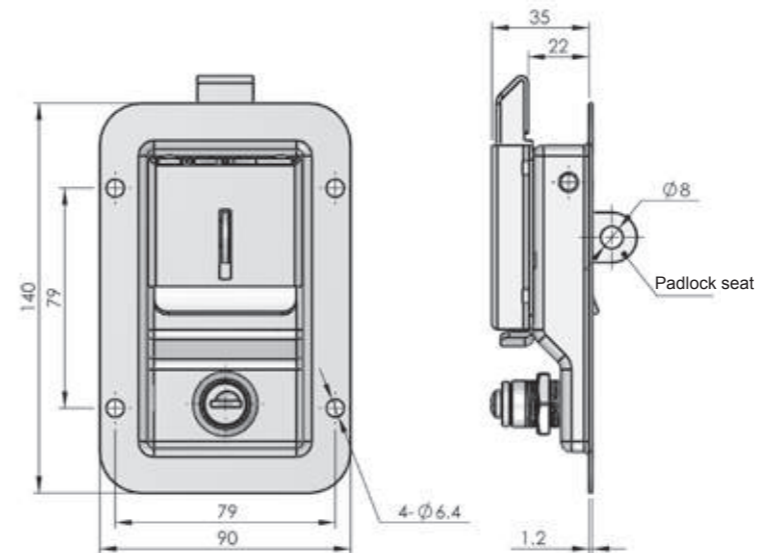


ERP	2138665001
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Cut out

	MS866-7 With insert	MS866-7A Without insert
ERP	MS866S4A410001	MS866S4A000004



ERP	MS866S4A410004
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MS866-7



Main material and finish: Stainless steel cup, handle, latch and cam, bright chrome-plated profile insert
Remarks: Default key K410

Performance parameter:
Handle load tension capability: ≤ 150N
Cam loading capability: ≤ 550N

MS866-7-1P



Main material and finish: Stainless steel lock body, handle
Finish: Mirror polished lock body and handle

Performance parameter:
Handle load tension capability: ≤ 150N
Cam loading capability: ≤ 550N

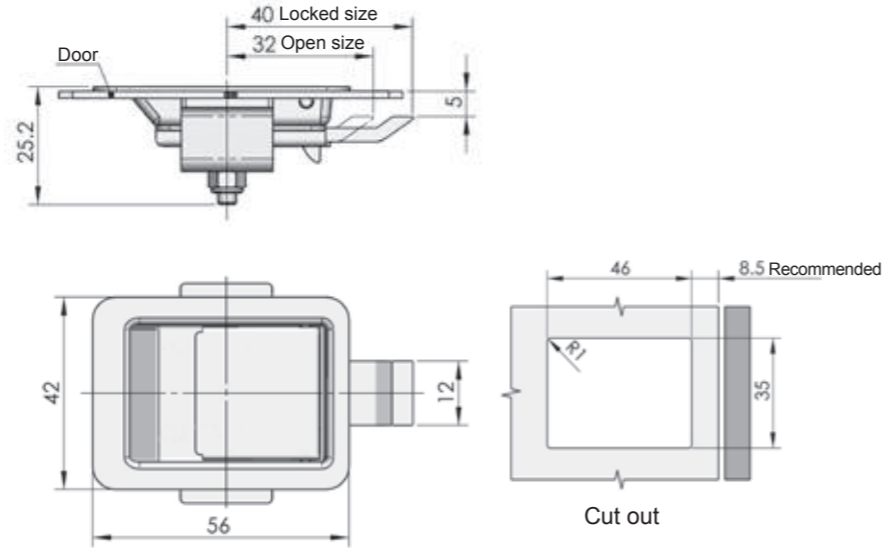
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS866-8

Main material and finish: Wire-drawing polished stainless steel

Performance parameter:
Handle load tension capability: $\leq 50N$
Cam loading capability: $\leq 200N$



ERP	MS866S4B000001
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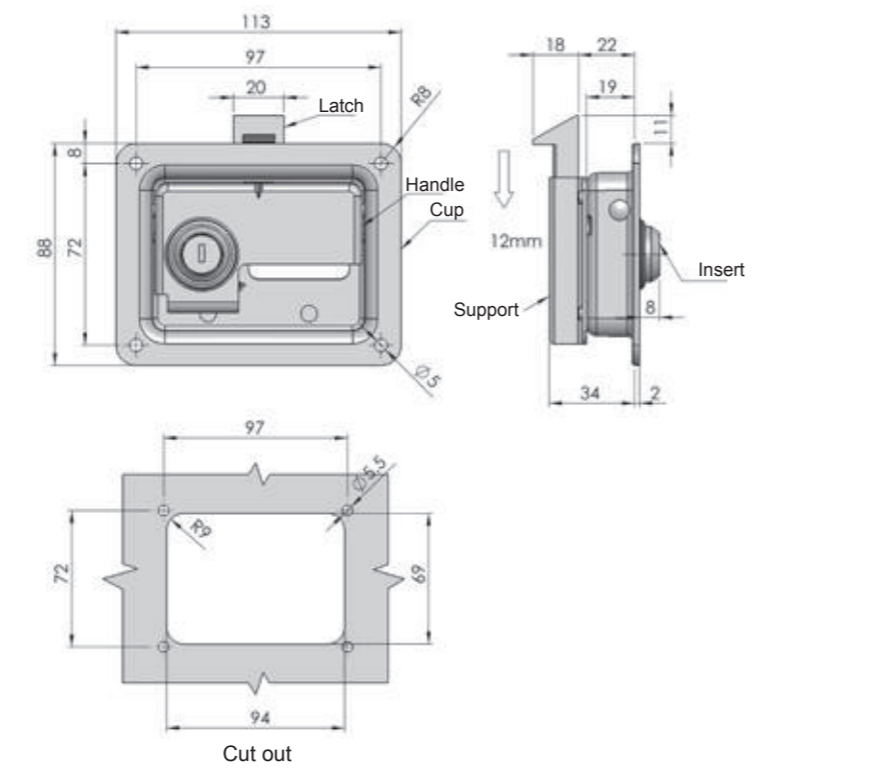


MS866-22

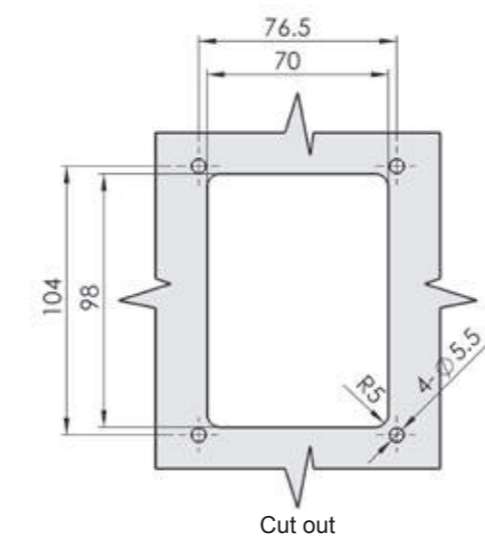
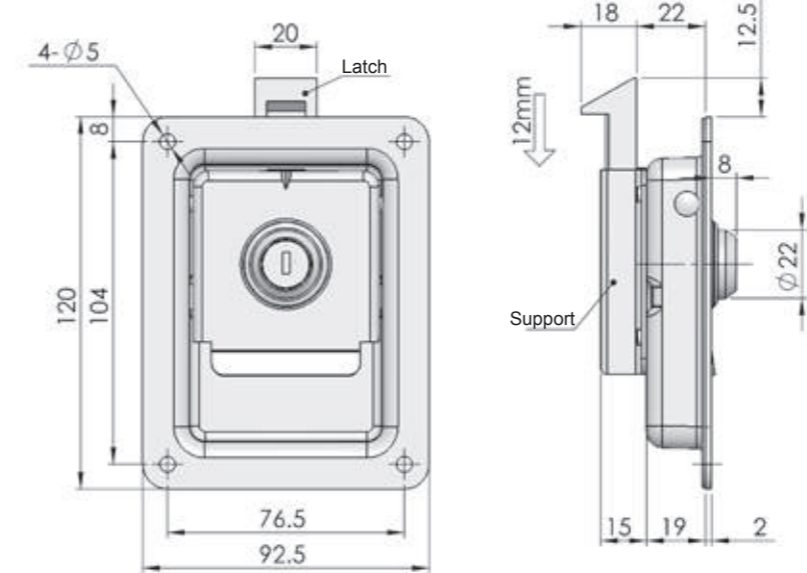
Main material and finish: Mirror polished stainless steel cup and handle (steel in nanometer painting available), white zinc plated latch and support.

Remarks: Default key K53

Performance parameter:
Handle load tension capability: $\leq 200N$
Cam loading capability: $\leq 500N$



	MS866-22	MS866-22S
ERP	MS866F2B530002	MS866S4A530002



	MS866-21	MS866-21S
ERP	MS866F2B530001	MS866S4A530001



MS866-21

MS866-21S

Main material and finish: Stainless steel (or steel) cup, handle, white zinc plated latch and support

Remarks: Default key K530

Performance parameter:
Handle load tension capability: $\leq 200N$
Cam loading capability: $\leq 1000N$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-26



Main material and finish: Stainless steel lock body and handle zamak cam, steel cover

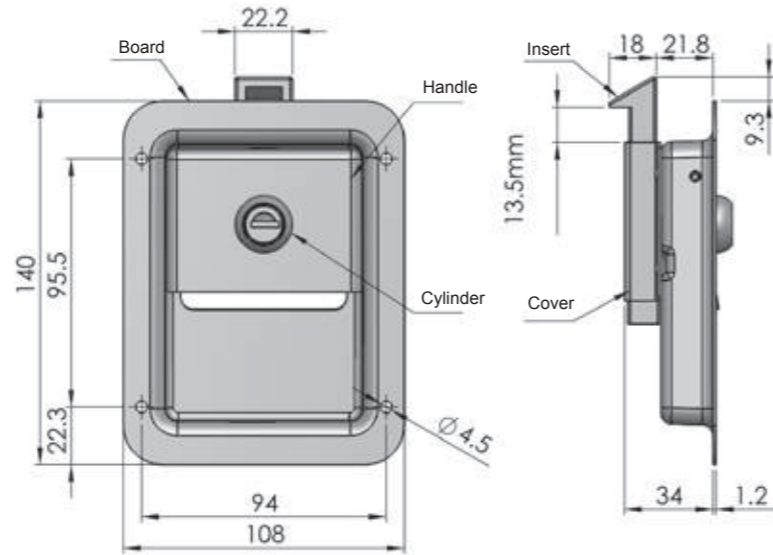
Finish: Mirror polished lock body and handle White zinc plated cover and cam

Remarks:Optional insert, Key K13

Performance parameter:

Handle load tension capability: ≤ 180N

Cam loading capability: ≤ 1000N



Model	MS866-26	MS866-26A(Without cylinder)
ERP	MS866S4A130001	MS866S4A000007

MS866-27



Main material and finish: Stainless steel handle and lock body Zamak cam, steel cover

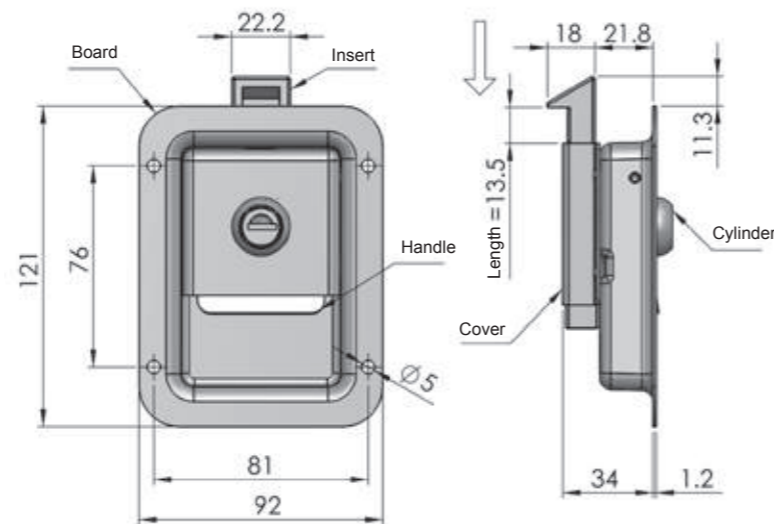
Finish: Mirror polished handle and lock body, white zinc plated steel cam

Remarks:Optional insert, Key K13

Performance parameter:

Handle load tension capability: ≤ 180N

Cam loading capability: ≤ 1000N



Model	MS866-27	MS866-27A(Without cylinder)
ERP	MS866S4A130003	MS866S4A000008

MS866-28



Main material and finish: Stainless steel handle and lock body zamak cam, steel cover

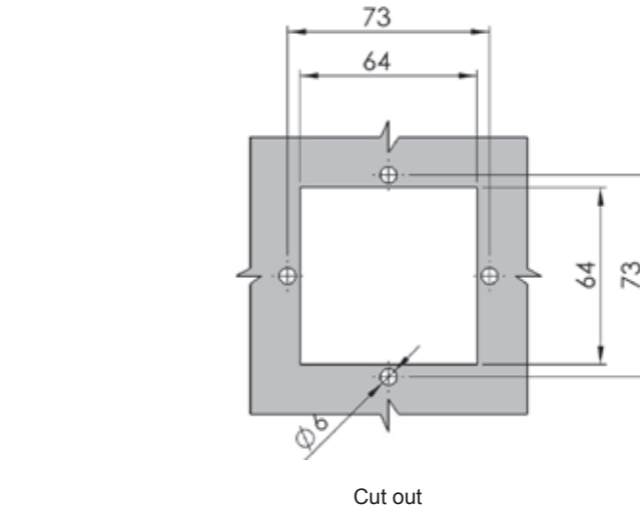
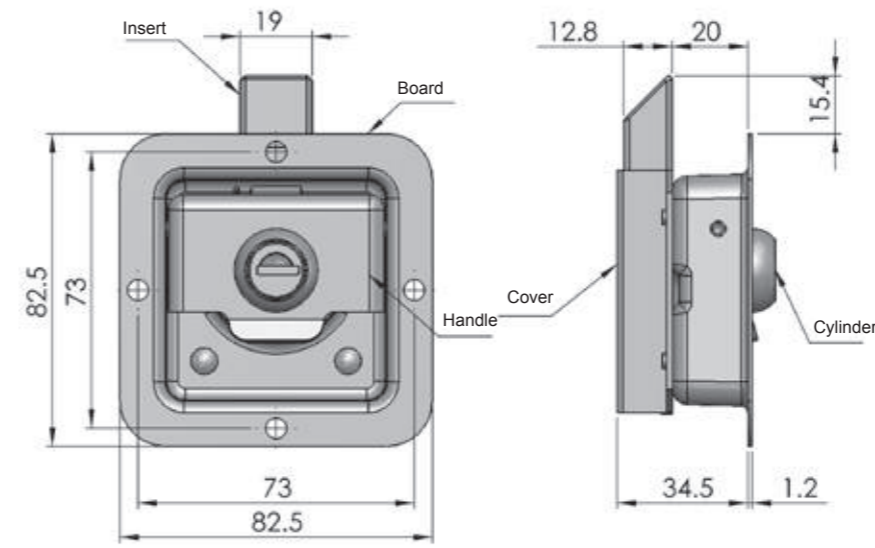
Finish: Mirror polished handle and lock body white zinc plated cam and cover

Remarks: Optional insert, default key K13

Performance parameter:

Handle load tension capability: ≤ 180N

Cam loading capability: ≤ 1000N



Model	MS866-28	MS866-28A(Without cylinder)
ERP	MS866S4A130002	MS866S4A000009

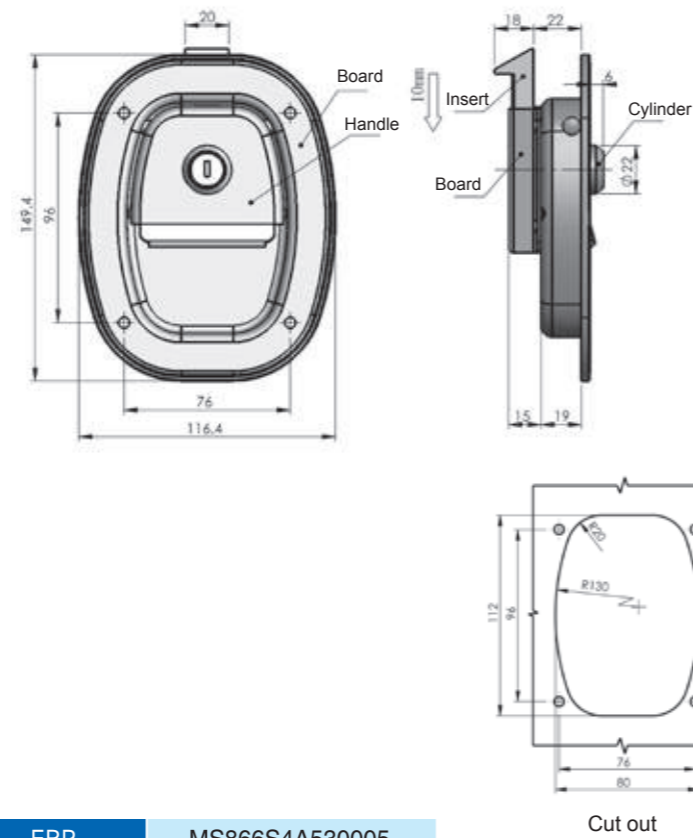
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-29



Stainless steel lock body and handle
Zamak cam, insert, others are steel
Finish: Mirror polished handle and lock body, Bright chrome plated insert housing, other parts in steel with white zinc plated
Remarks: Default key K53

Performance parameter:
Handle load tension capability: $\leq 200N$
Cam loading capability: $\leq 1000N$

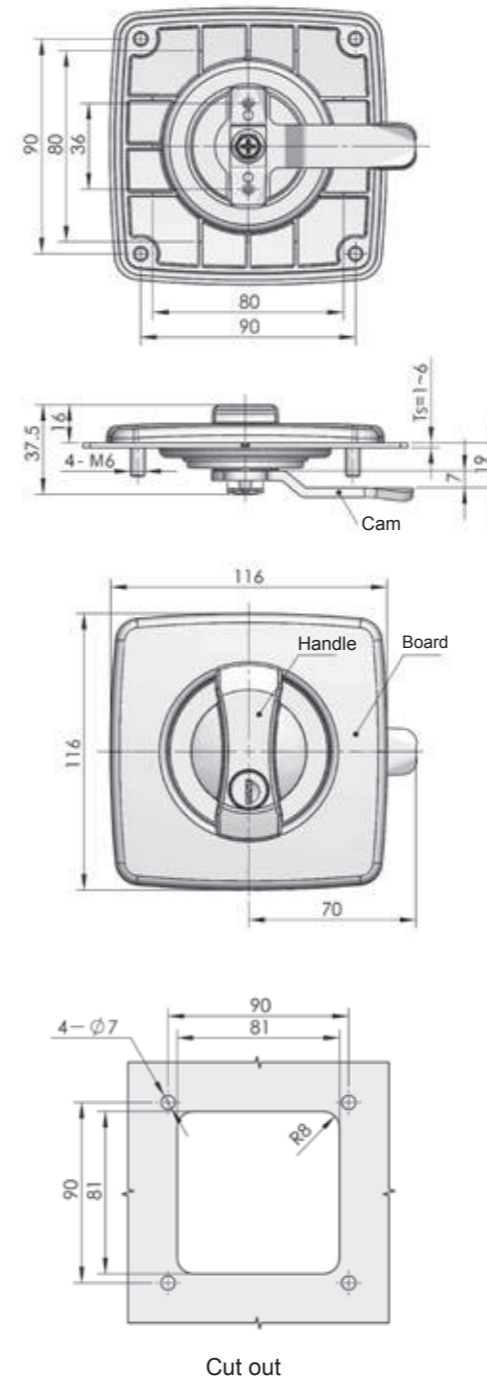
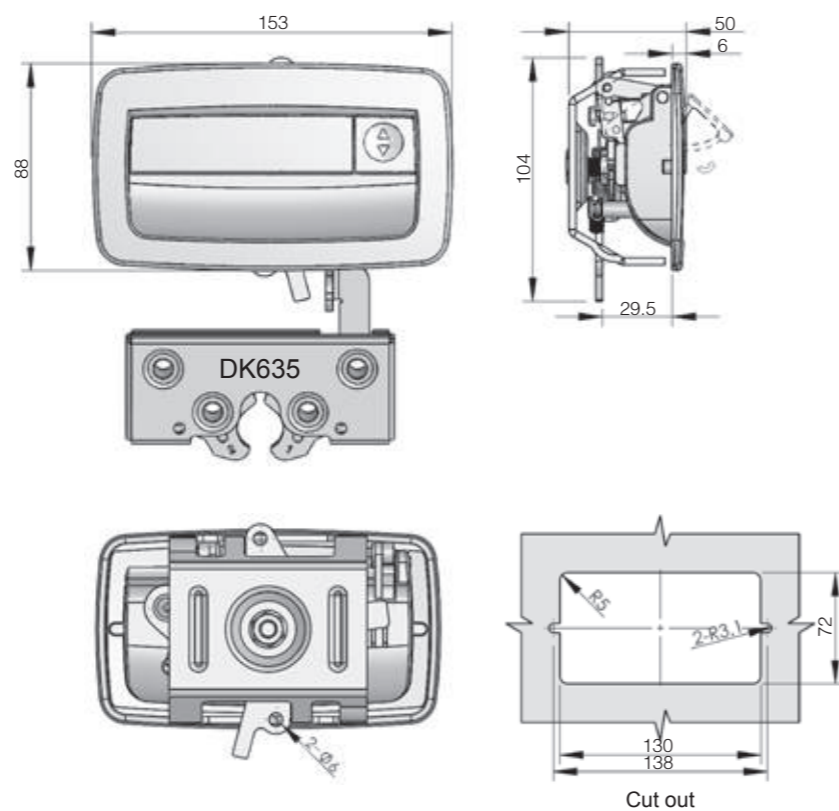


MS983



Material and finish: Silk black ZDC housing and handle
Application: Pull the handle to make cam rotating, latch toggling and rod stretching to realize opening and closing function. (Default latch DK635)
Remarks: Default key K640

Performance parameter:
Handle load tension capability: $\leq 845N$



Description	产品型号	ERP
ZDC panel and handle	MS870-2	MS870Z1B160001
PA panel and handle	MS870-2F	MS870N00160001
PA panel, ZDC handle	MS870-3	MS870N00160002

Remark: The default cam for above ERP is S3C7007

MS870-2



RL

Finish: White zinc plated support
Remarks: Default key K160

Cam ERP: 2883700701 (Default)

Performance parameter:
Handle load torque capability: $\leq 28N.m$
Cam loading capability: $\leq 390N$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

TOGGLE AND HOOK SERIES

- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock
- Panel lock
- Toggle and hook
- Handles
- Door stop
- Hinge
- Seal gasket



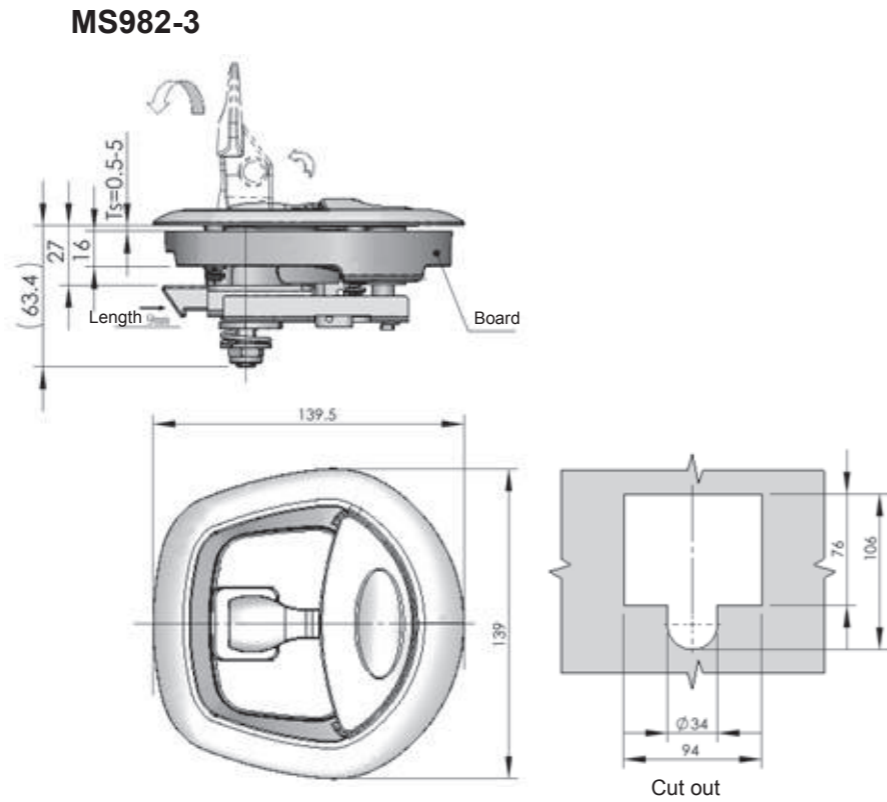
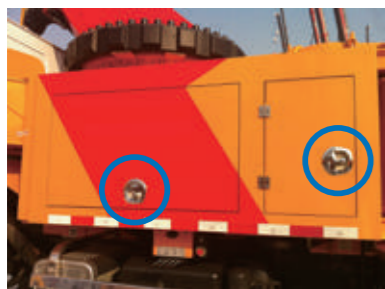
IP65

Material and finish:ZDC housing and handle
Finish : Bright chrome plated
Structure : Pull and turn the handle 90 degree, along with the cam,Closing the door by hitting when the lock is on the close status

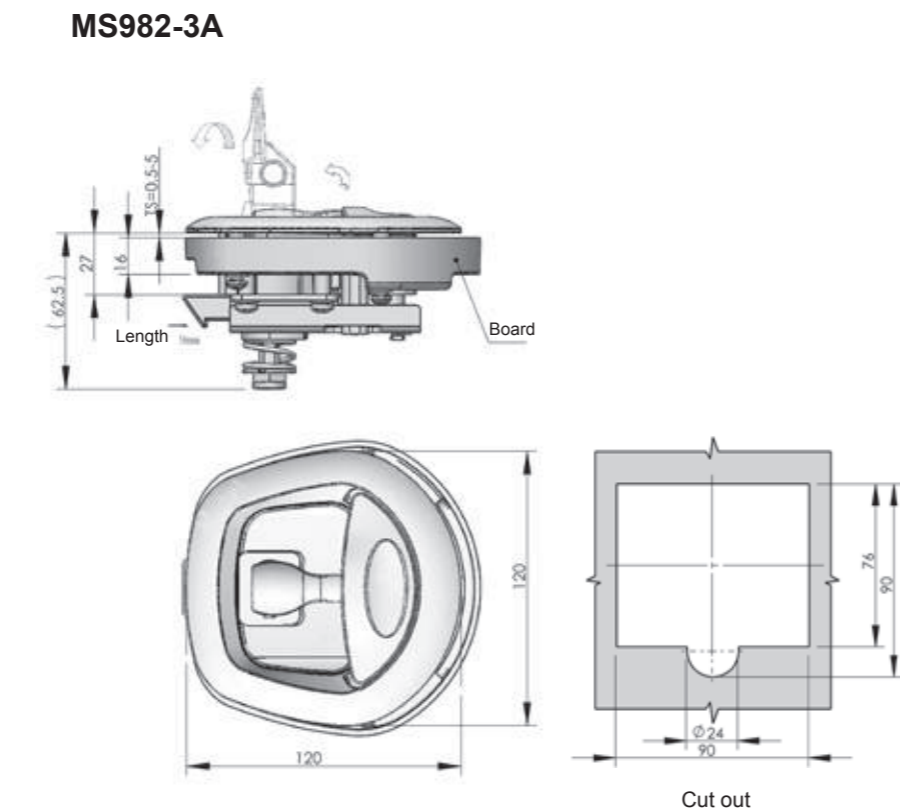
Performance parameter:
MS982-3
Handle load torque capability: ≤31N.m
Cam loading capability: ≤4000N

MS982-3A
Handle load torque capability: ≤39N.m
Cam loading capability: ≤2000N

Customer use example



ERP MS982Z3A520003



ERP MS982Z3A520004

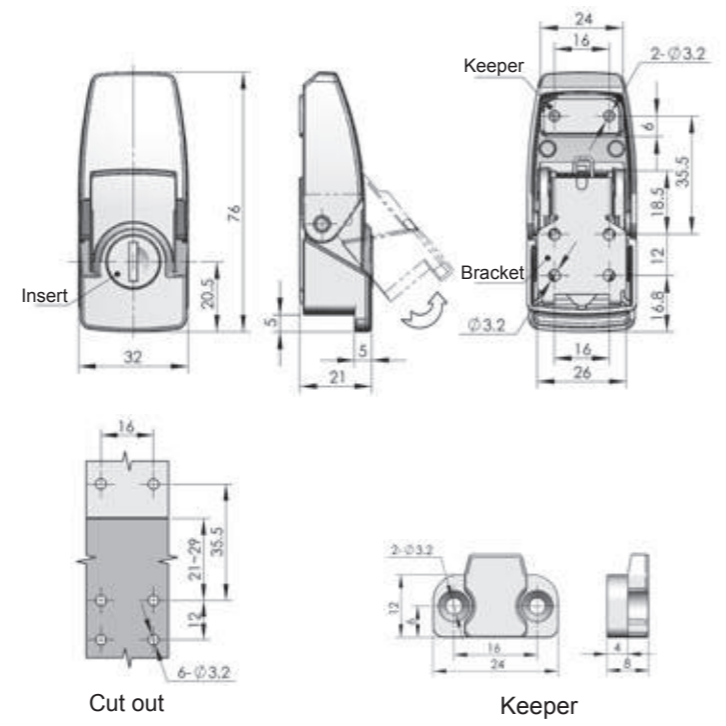
DKS	DK601	DK602	DK603
DK604	DK605	DK606	DK609
DK610	DK611	DK615	DK617
DK618	DK623	DK624	DK634
DK635	DK636-1	DK639	DK725-3B



DKS

Main material and finish: ZDC housing and keeper, stainless steel bracket
Remarks: Optional key K080

Performance parameter:
Maximum static load: 700N



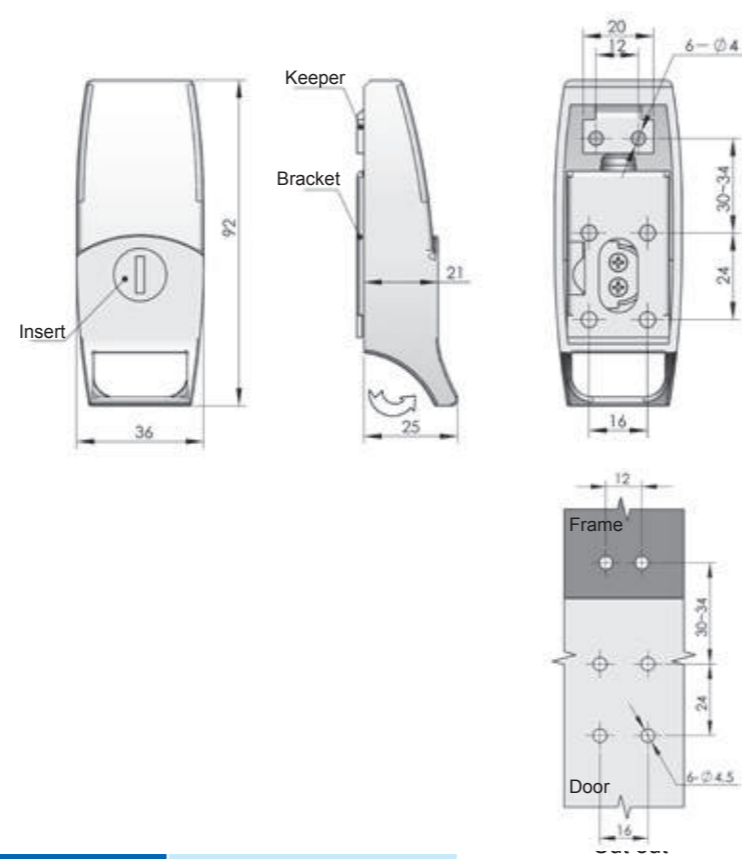
Specification	ERP	
	Bright chrome-plated	Black powder coated
DKS-1 With insert	DKDKSZ3B080001	DKDKSZ1A080001
DKS-2 Without insert	DKDKSZ3B000001	DKDKSZ1A000001



DK601

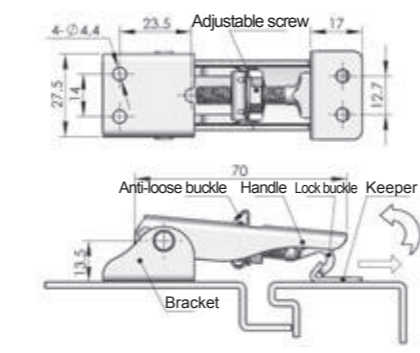
Main material and finish: Black powder coated ZDC housing, stainless steel bracket and keeper
Remarks: Optional key K080

Performance parameter:
Maximum static load: 750N

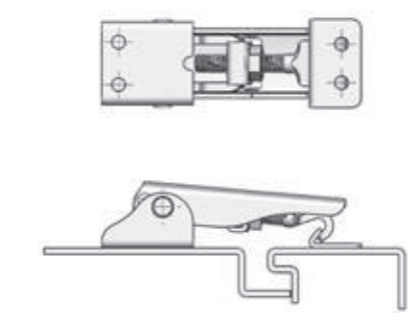


ERP	DK601Z1A080001
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Exposed type

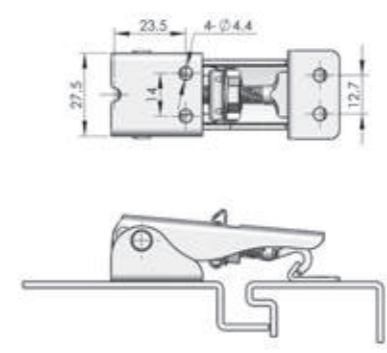


With anti-loose buckle

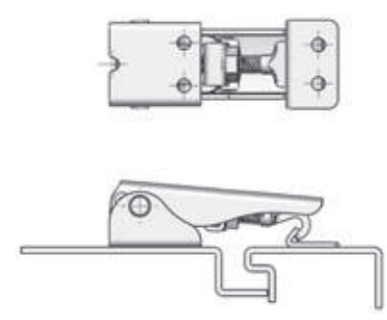


Without anti-loose buckle

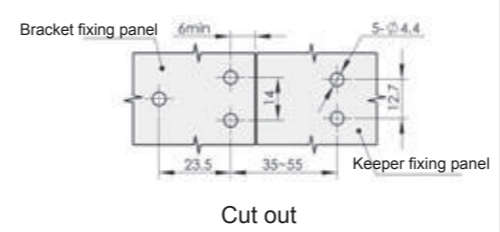
Concealed type



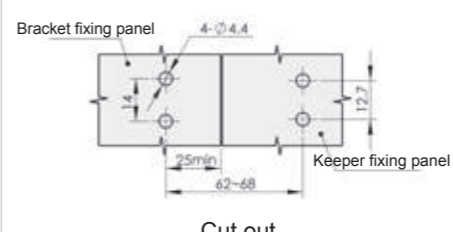
With anti-loose buckle



Without anti-loose buckle



Cut out



Cut out

Specification	Exposed type			
	Stainless steel		Steel	
	Model	ERP	Model	ERP
Without anti-loose hook	DK602-1ES	DK602S4A000001	DK602-1E	DK602F3D000001
With anti-loose hook	DK602-3B-1ES	DK602S4A000003	DK602-3B-1E	DK602F3D000004

Specification	Concealed type			
	Stainless steel		Steel	
	Model	ERP	Model	ERP
Without anti-loose hook	DK602-1HS	DK602S4A000002	DK602-1H	DK602F3D000002
With anti-loose hook	DK602-3B-1HS	DK602S4A000004	DK602-3B-1H	DK602F3D000005



DK602

Main material and finish: Electrolysis polished stainless steel or zinc-plated steel

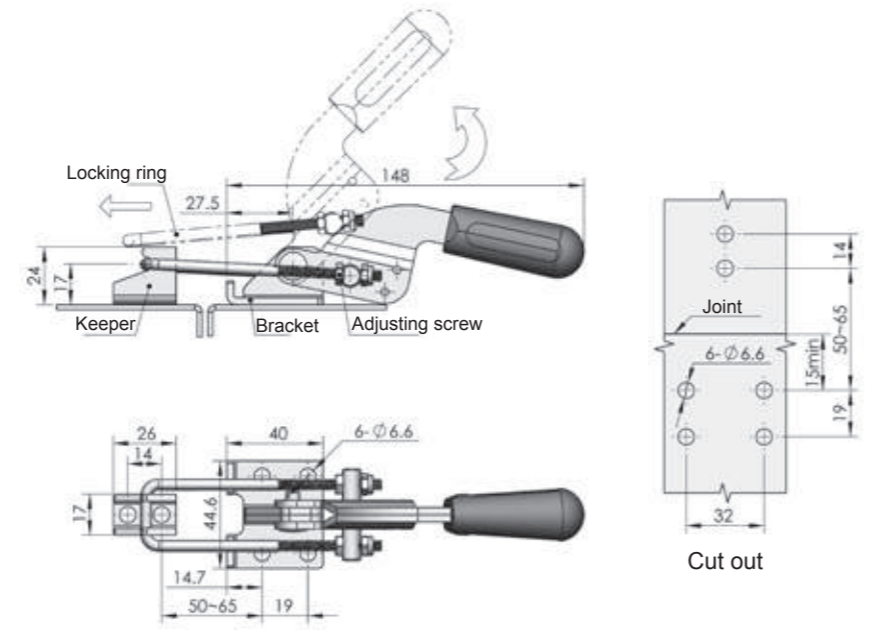
Performance parameter:
Maximum static load: 430N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



DK603
Main material and finish: Zinc-plated steel body, rubber handle

Performance parameter:
Maximum static load: 1500N

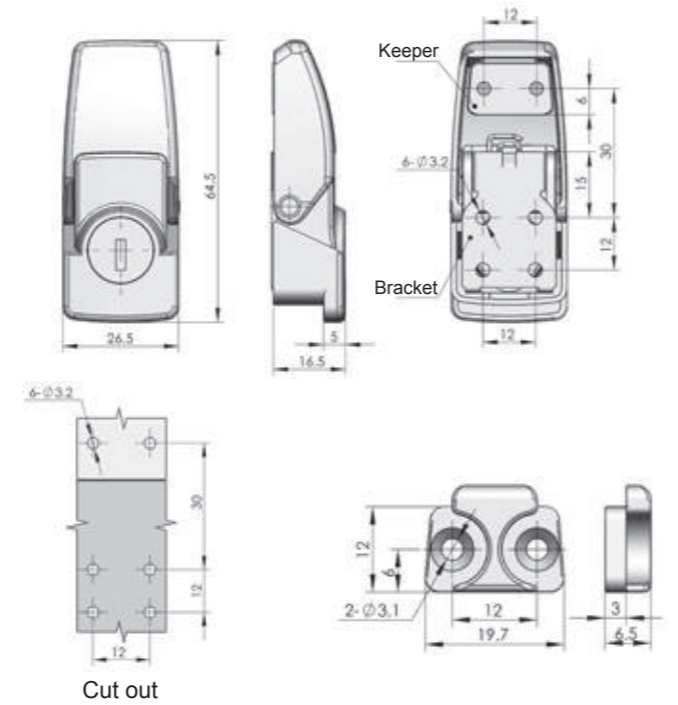


ERP DK603F3D000001

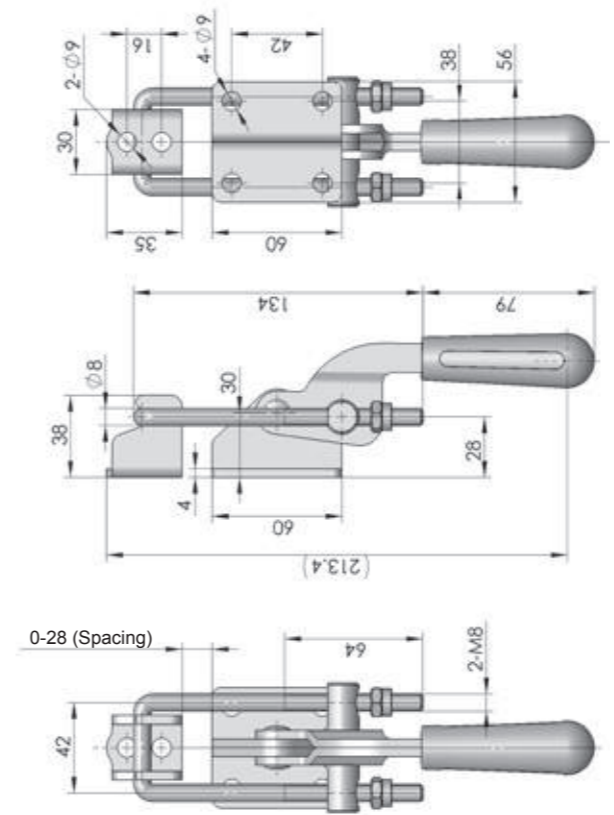


DK604
Main material and finish: ZDC housing and keeper, stainless steel bracket
Remarks: Key K080 for selection

Performance parameter:
Maximum static load: 610N



Specification	ERP	
	Black powder coated	Bright chrome-plated
DK604-1 With insert	DK604Z2A080002	DK604Z3A080001
DK604-2 Without insert	DK604Z2A000001	DK604Z3A000001



ERP DK603F3D000004



DK603-3
Main material and finish: white zinc-plated steel

Performance parameter:
Maximum static load: 3000N

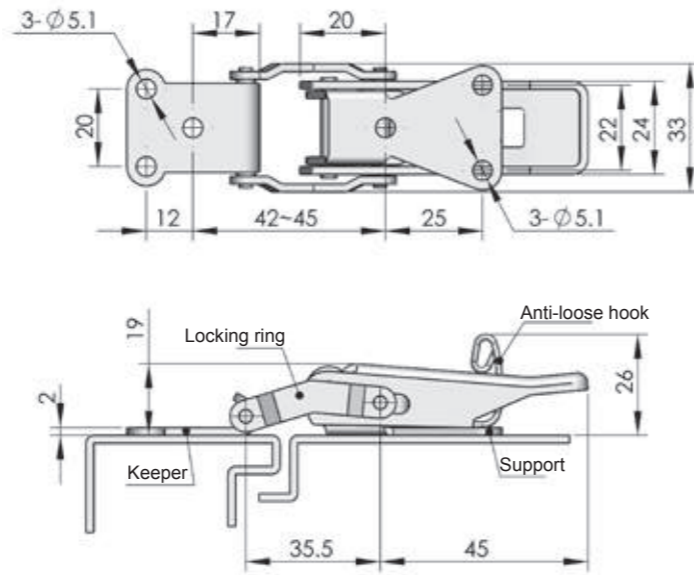
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK605



Main material and finish: Mirror polished stainless steel

Performance parameter:
Maximum static load: 800N



ERP

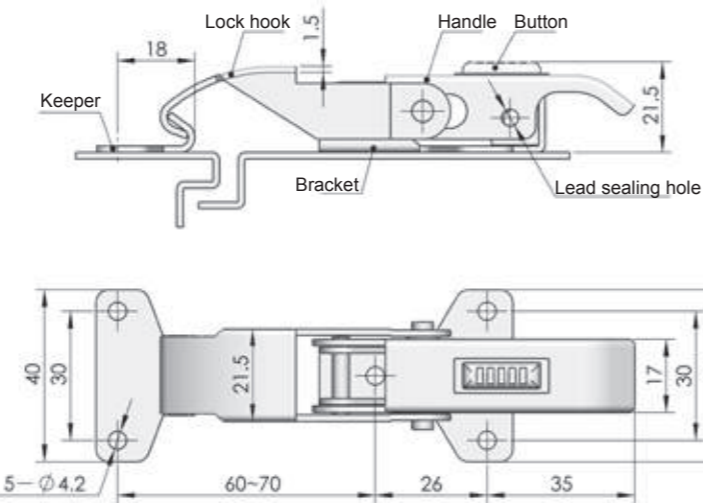
DK605S4A000004

DK606



Main material and finish: Zinc-plated steel

Performance parameter:
Maximum static load: 150N



ERP

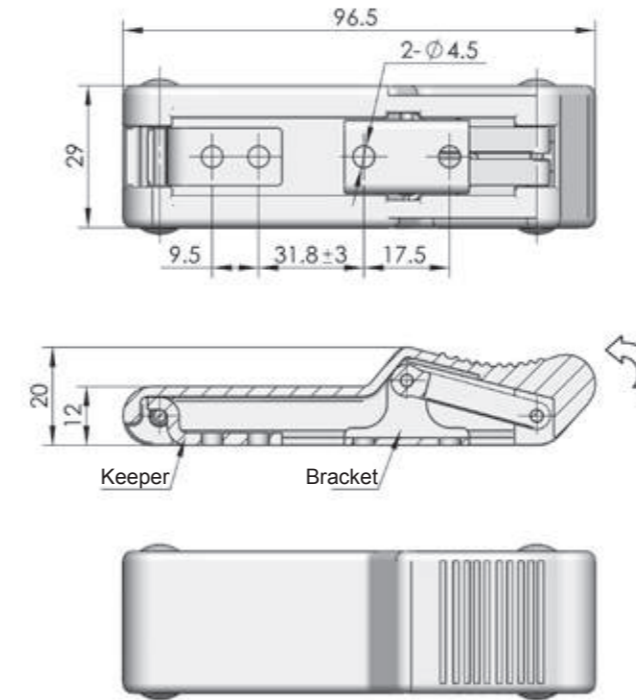
DK606F3D000001

DK609



Main material and finish: Black rubber handle, stainless steel keeper and bracket

Performance parameter:
Maximum static load: 45N



ERP

DK609N00000001

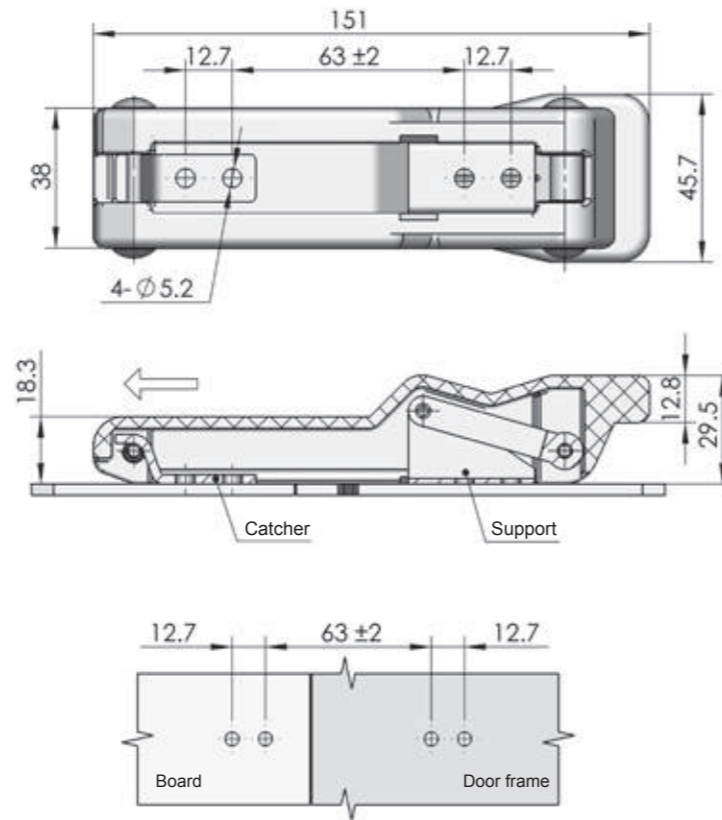
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



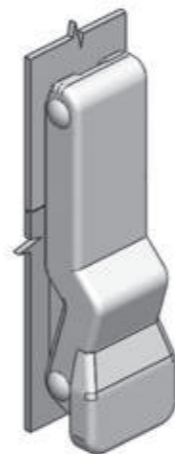
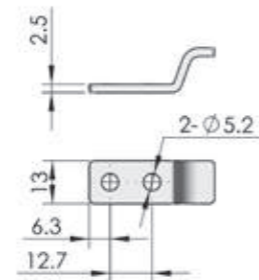
DK609-2

Main material and finish: Black rubber handle, stainless steel support and catcher

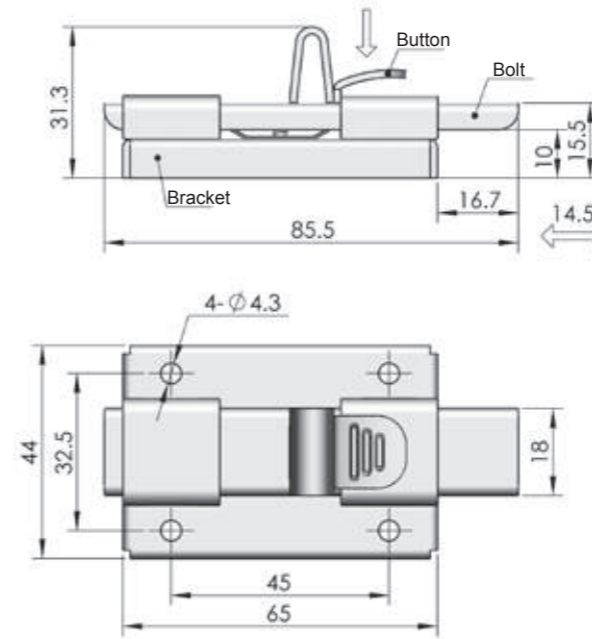
Performance parameter:
Maximum static load: 65N



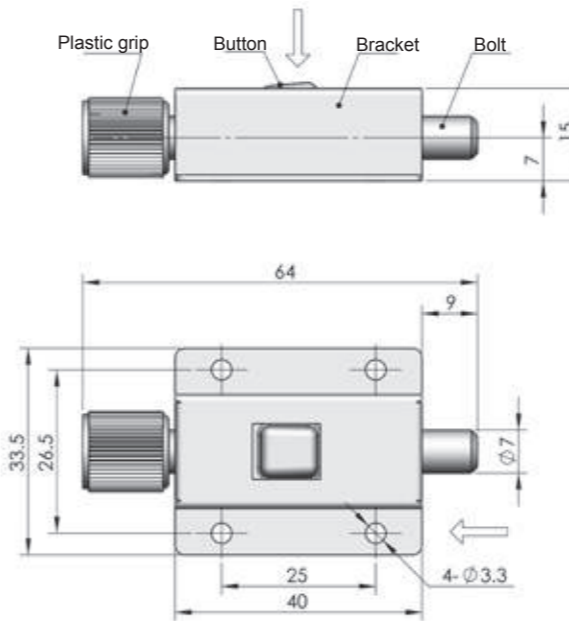
Catcher



ERP DK609N0000006



ERP DK610S0000001



ERP DK611S0000001

DK610



Main material and finish: Electrolytic stainless steel

Performance parameter:
Maximum static load: 765N

DK611



Main material and finish: Stainless steel bracket and button, chrome plated steel bolt with plastic grip

Performance parameter:
Maximum static load: 500N

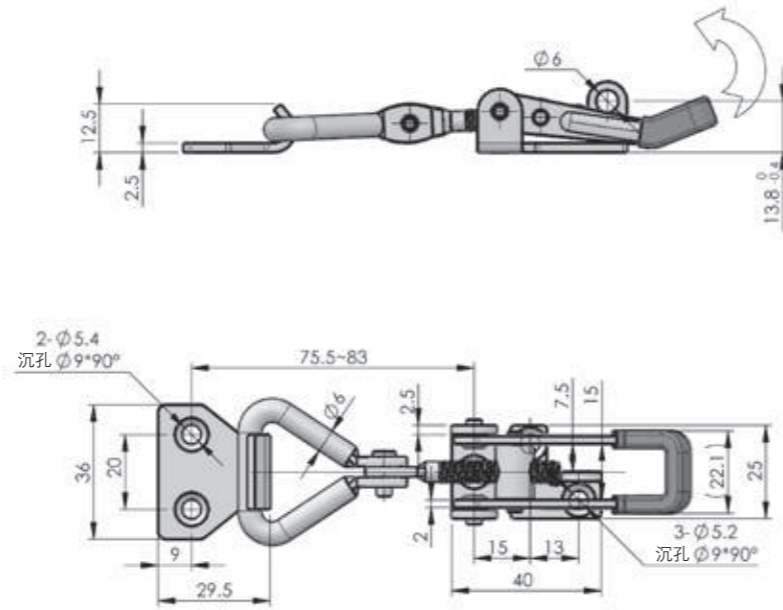
DK614



NEW

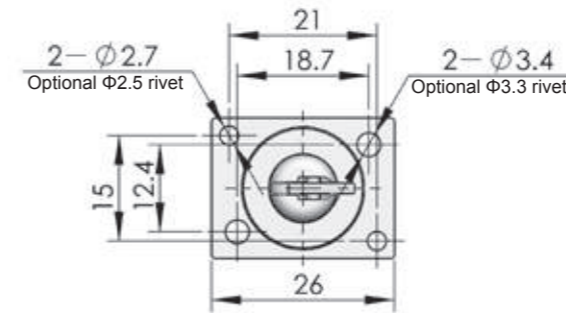
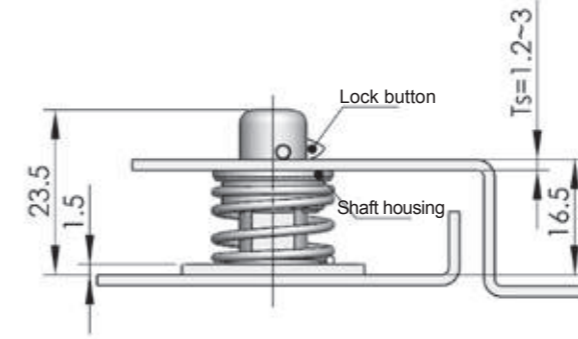
Main material and finish: AISI316

Performance parameter:
Maximum static load: 750N



ERP

DK614S4C000001



ERP

DK616Z3D000001

DK616

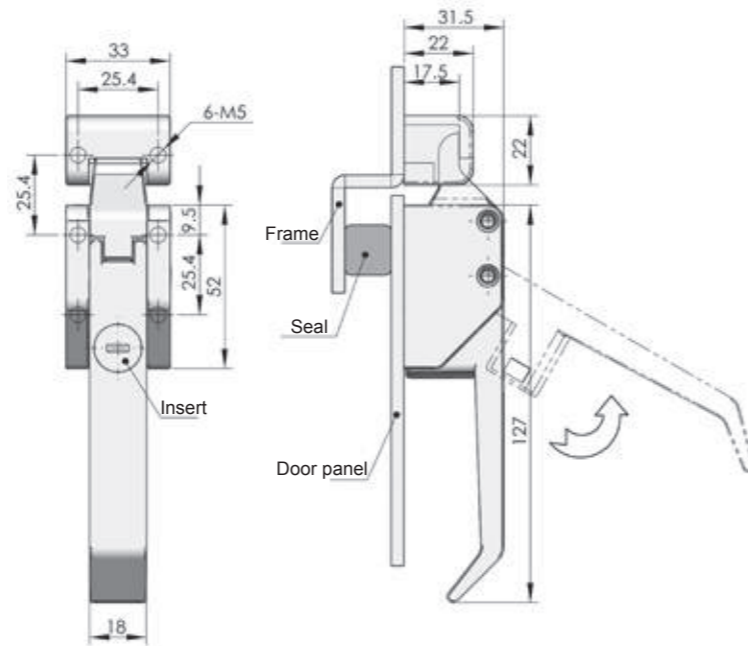


Main material and finish: White zinc plated ZDC housing, stainless steel lock button and spring, plastic seal

DK615



Performance parameter:
Maximum static load: 910N



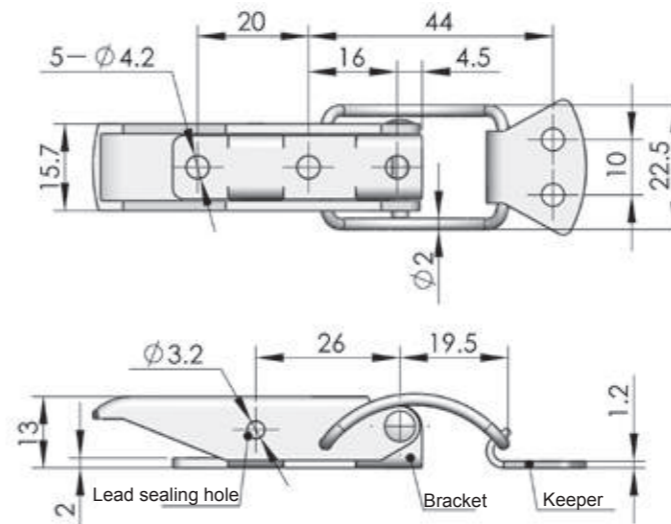
ERP

DK615-1 With insert

DK615Z1A030002

DK615-2 Without insert

DK615Z1A000001



ERP

DK617S00000001

DK617



Main material and finish: Lapped finished stainless steel

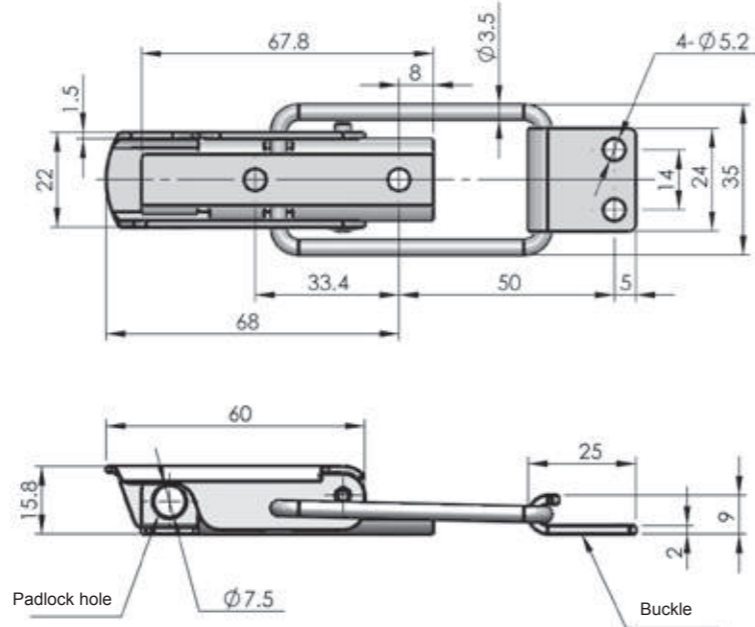
Performance parameter:
Maximum static load: 320N

DK617-5



Main material and finish: Stainless steel
Finish : Grinding and polishing
Structure : Padlock version is available

Performance parameter:
Maximum static load: 750N

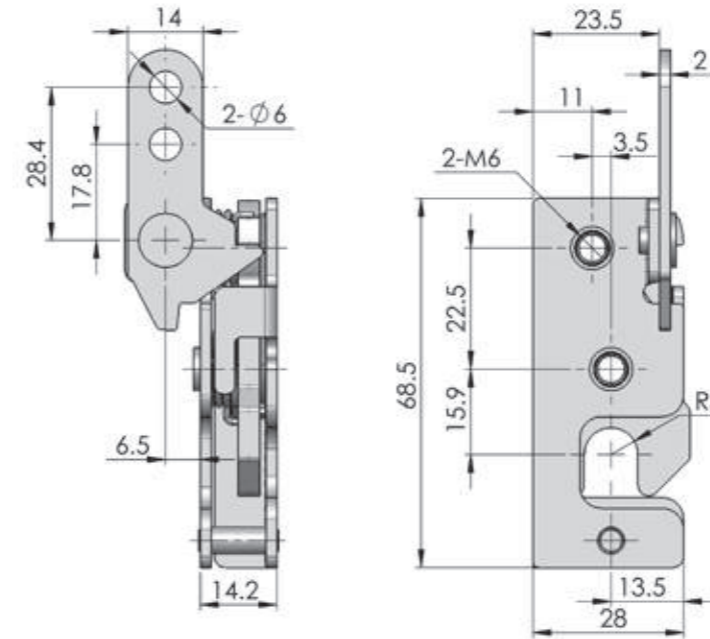


ERP	DK617S9D4001
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DK618-7



Main material and finish: Steel
Finish: White zinc plated
Item shown on the picture is DK618-7-Z

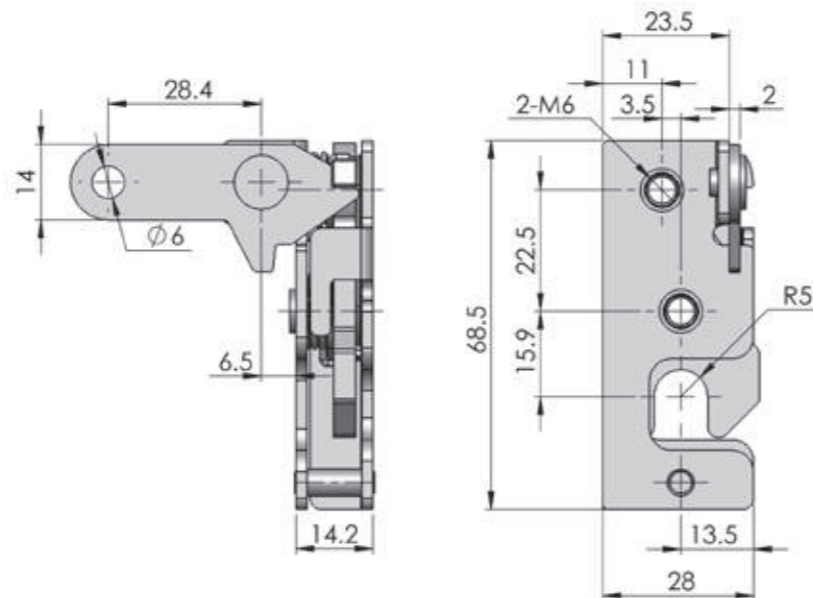


Specification	Model	ERP
Left hand	DK618-7-Z	DK618F3D000007
Right hand	DK618-7-Y	DK618F3D000008

DK618-6



Main material and finish: Steel
Finish: White zinc plated
Item shown on the picture is DK618-6-Z

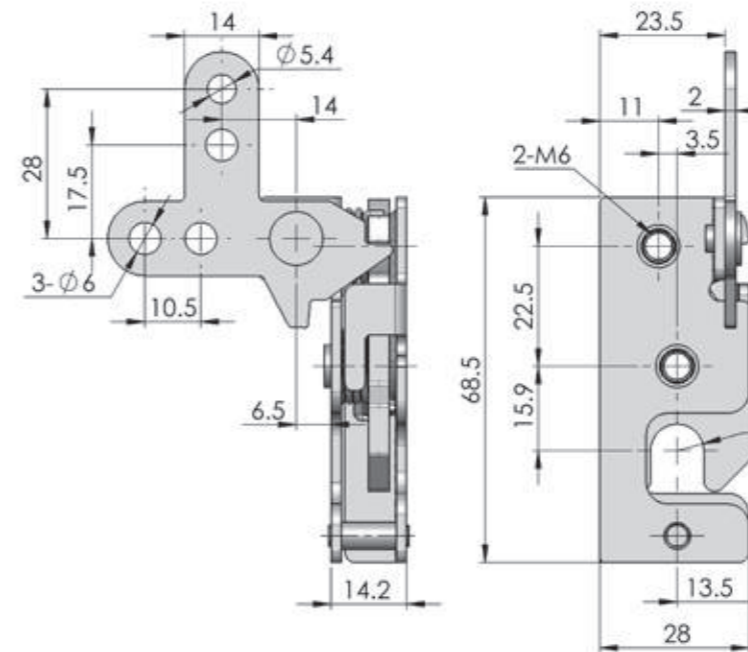


Specification	Model	ERP
Left hand	DK618-6-Z	DK618F3D000005
Right hand	DK618-6-Y	DK618F3D000006

DK618-8



Main material and finish: Steel
Finish: White zinc plated
Item shown on the picture is DK618-8-Z

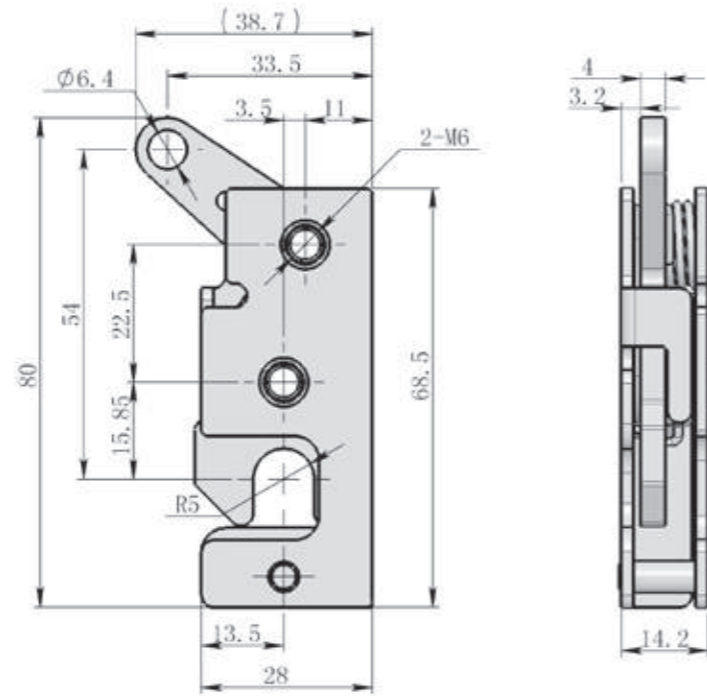


Specification	Model	ERP
Left hand	DK618-8-Z	DK618F3D000009
Right hand	DK618-8-Y	DK618F3D000010

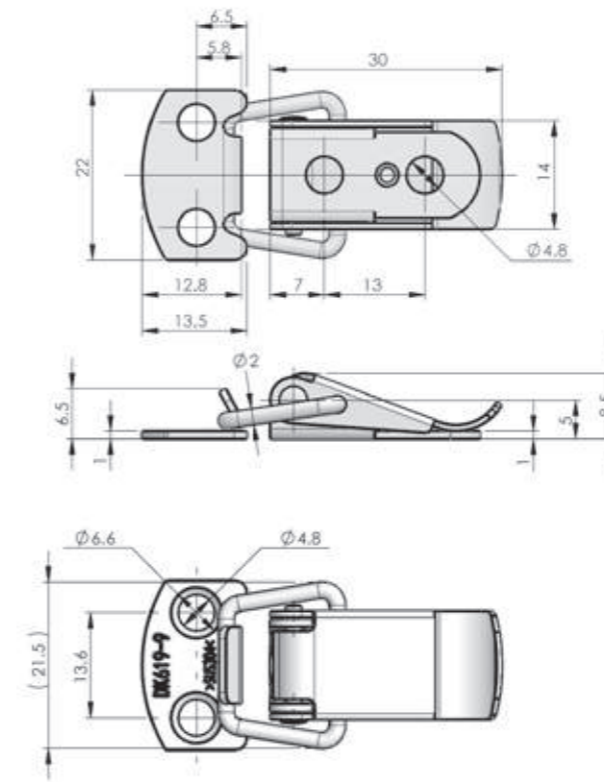
DK618-9



Main material and finish: Steel
Finish: White zinc plated
Item shown on the picture is DK618-9-Y



Specification	Model	ERP
Left hand	DK618-9-Z	DK618F3D000012
Right hand	DK618-9-Y	DK618F3D000011



ERP	DK619S4C000001
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DK619-9



Main material and finish: Stainless steel 304

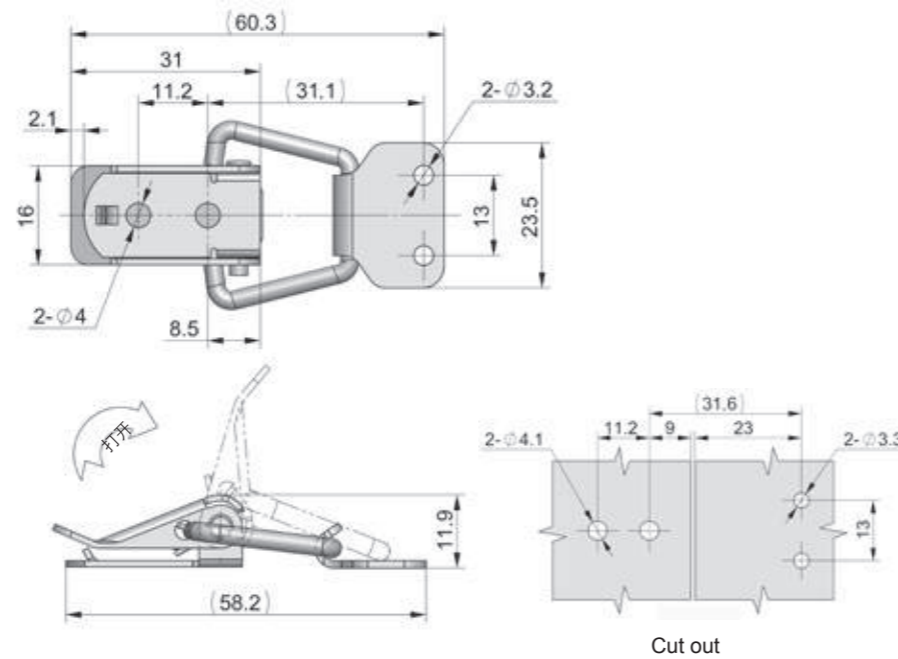
Performance parameter:
Maximum static load: 140N

DK619-2-1D

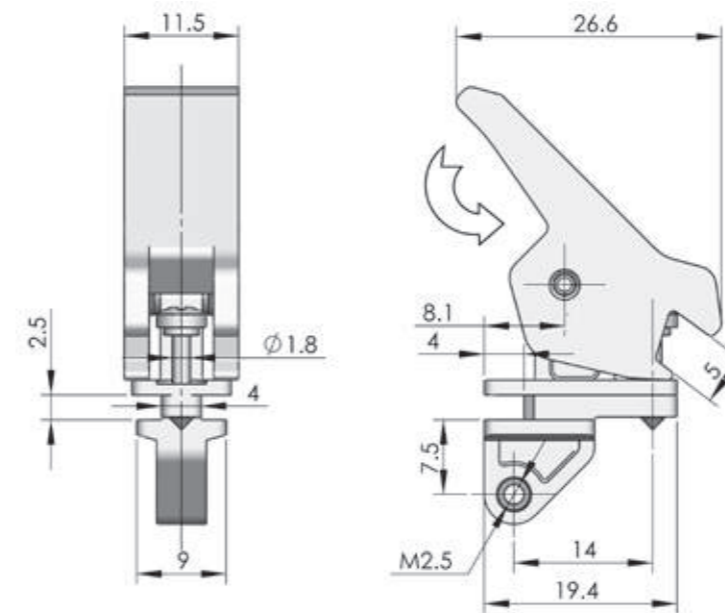


Main material and finish: Mirror polishing cover with plastic SUS304 body

Performance parameter:
Maximum static load: 180N



ERP	DK619S4A000001
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ERP	DK623N00000001
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DK623



Main material: PBT toggle, stainless steel screw

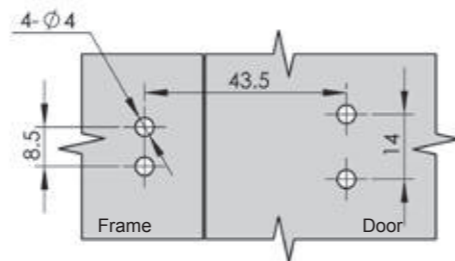
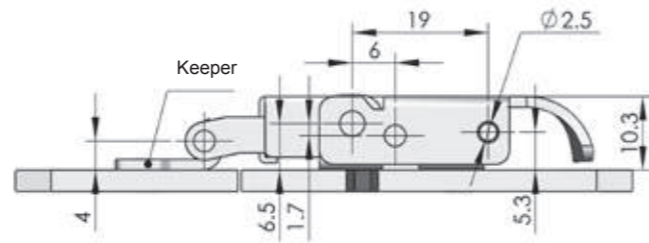
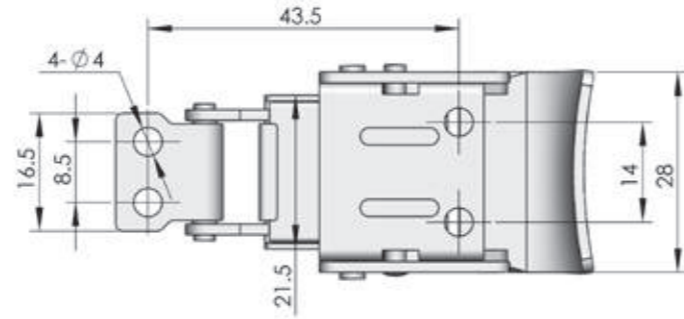
Performance parameter:
Maximum static load: 80N

DK624

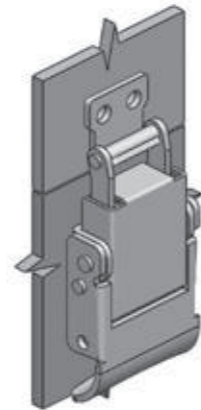


Main material and finish: Electrolytic stainless steel

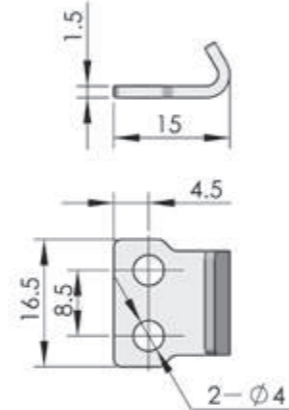
Performance parameter:
Maximum static load: 800N



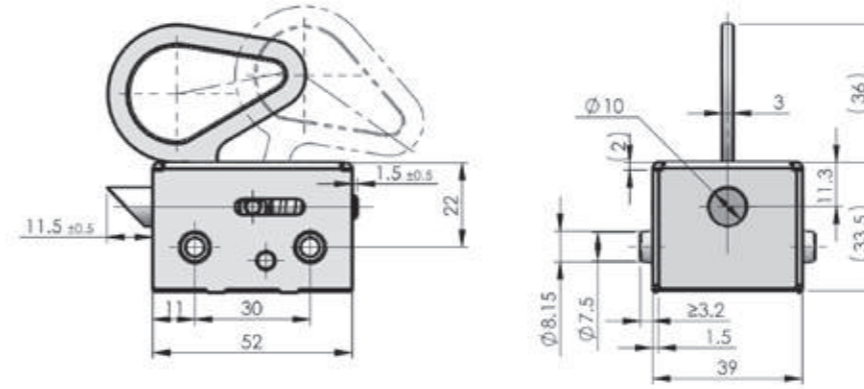
Cut out



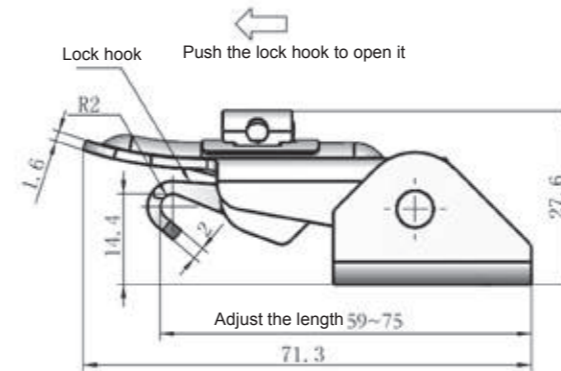
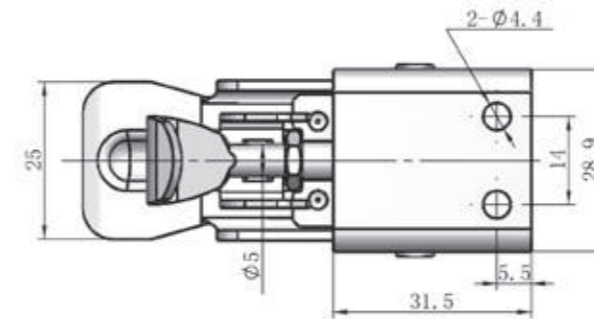
Keeper



ERP DK624S9C000002



ERP DK627S4C000001



ERP DK631F3E000001

DK627



Main material and finish: Stainless steel 304

Performance parameter:
Maximum static load: 300N

DK631-2



Main material and finish: Steel
Finish: 3+ zinc plated
Structure: with function of anti-loose, adjustable hook length

Performance parameter:
Maximum static load: 300N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

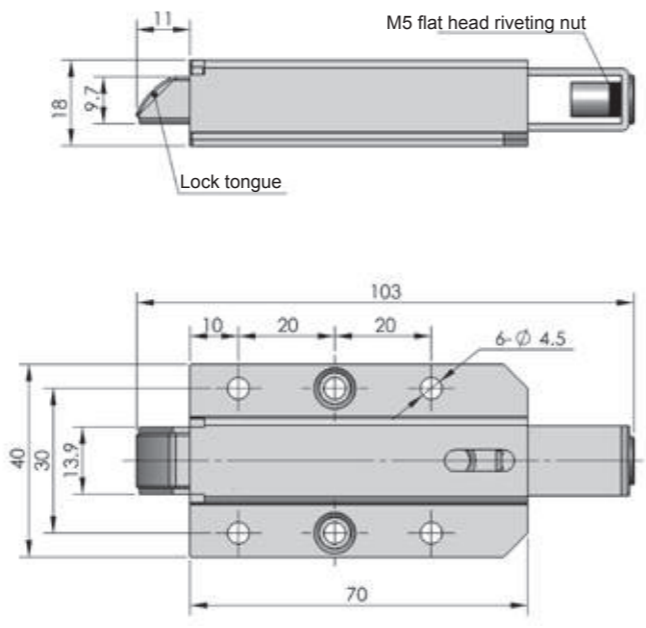


DK633-1

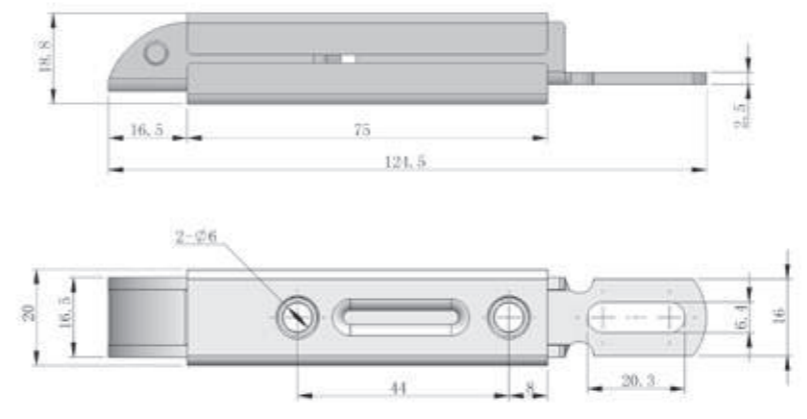
Main material and finish: White zinc-plated steel housing, SUS304 bracket, PA cam

Performance parameter:
Maximum static load: 330N

DK633-1

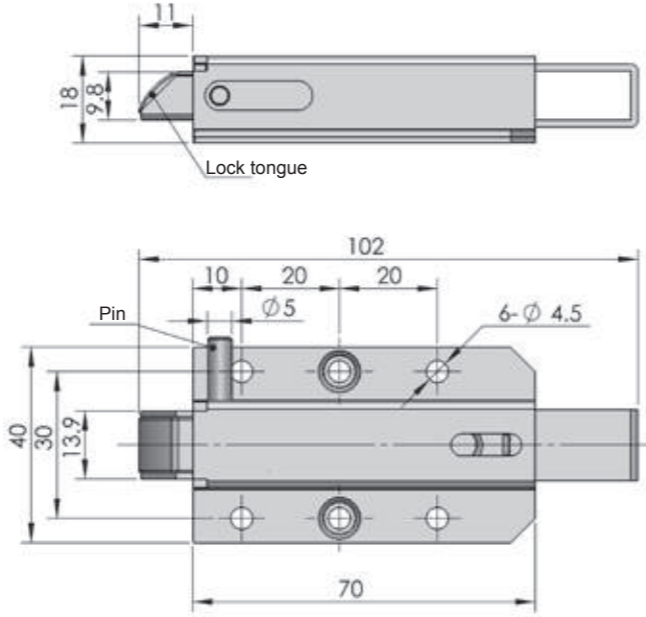


ERP DK633F3D000001

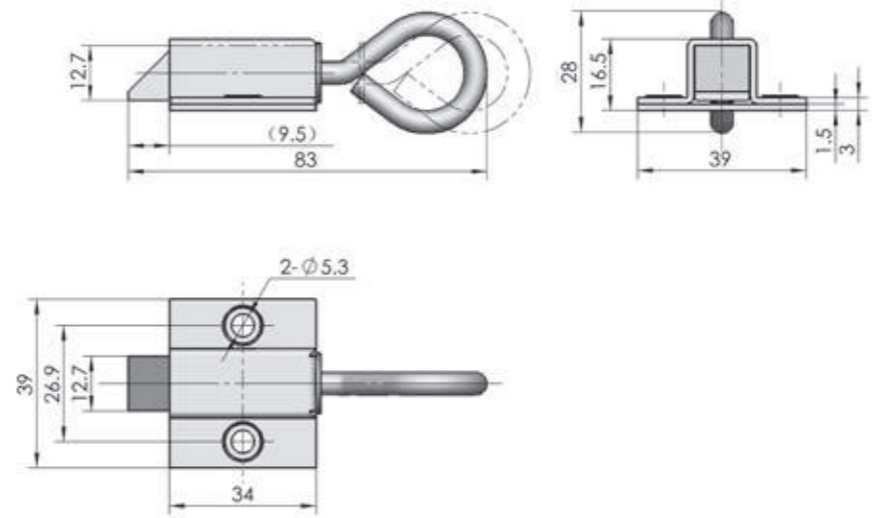


ERP DK633 F3D000004

DK633-2



ERP DK633F3D000002



ERP DK634F3D000001



DK633-3

Main material and finish: steel lock body, stainless steel pin

Finish: 3+ zinc plated 48

Performance parameter:
Maximum static load: 320N



DK634

Main material and finish: White zinc-plated steel body

Performance parameter:
Maximum static load: 250N

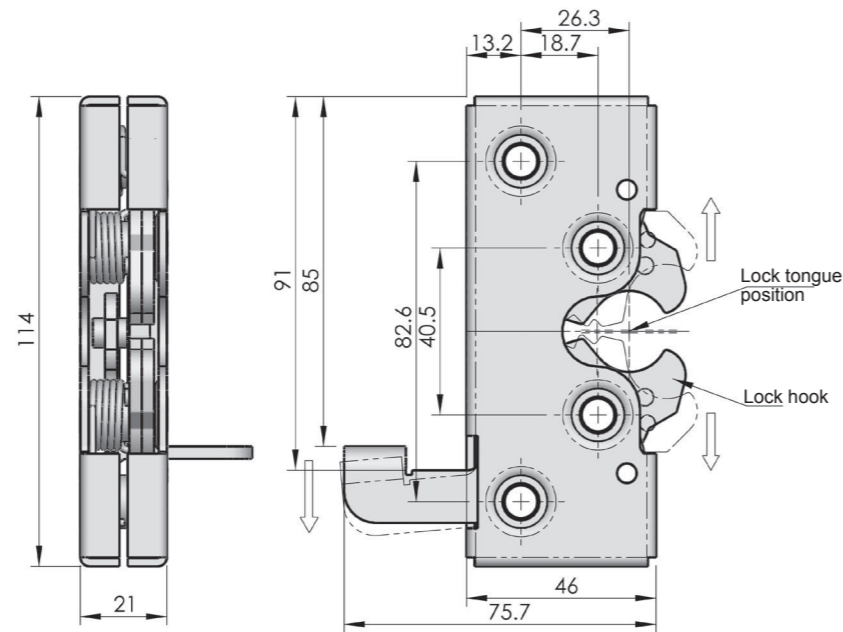
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



DK635

Main material and finish: White zinc plated steel

Performance parameter:
Maximum static load: 1000N



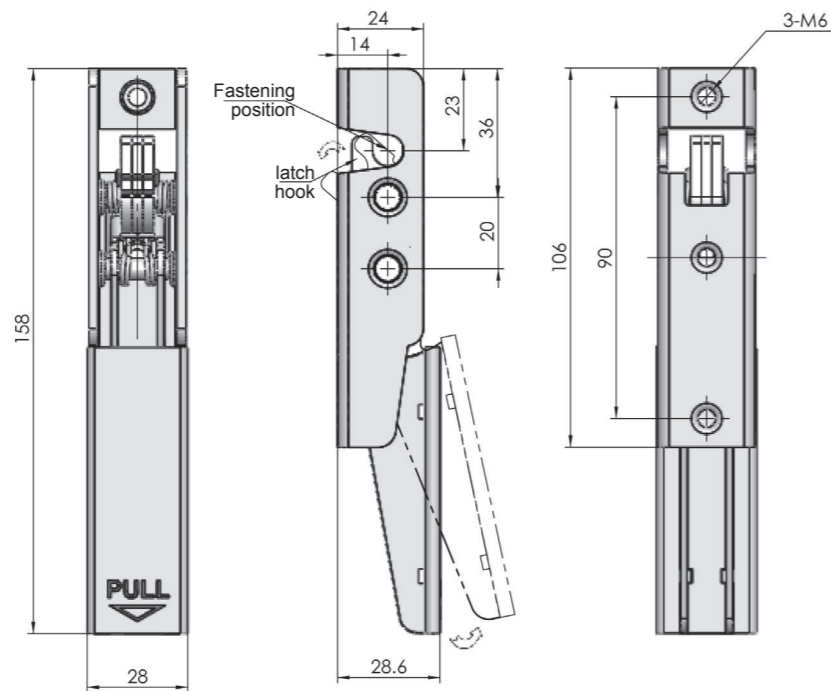
ERP	DK635F3D000001
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DK638

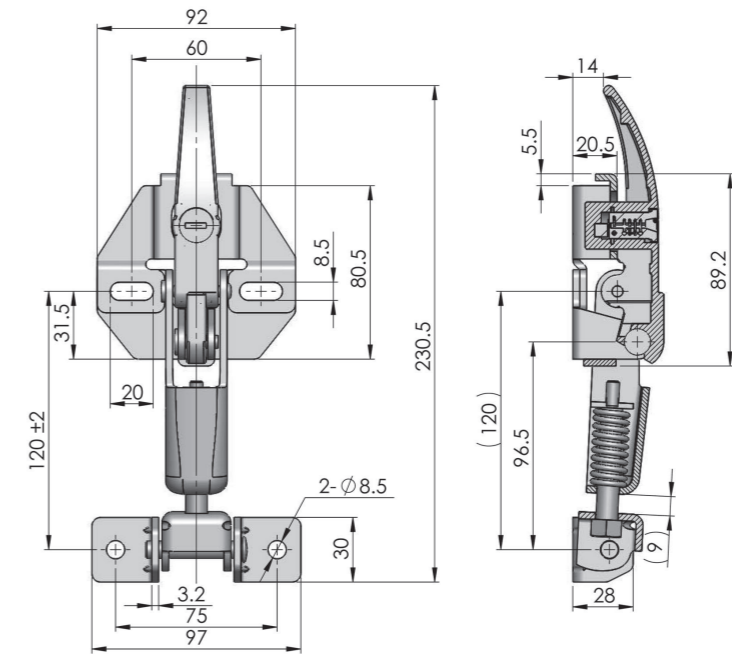
Main material and finish: Wire-drawing polishing stainless steel handle, white zinc-plated steel bracket

Performance parameter:
Maximum static load: 810N



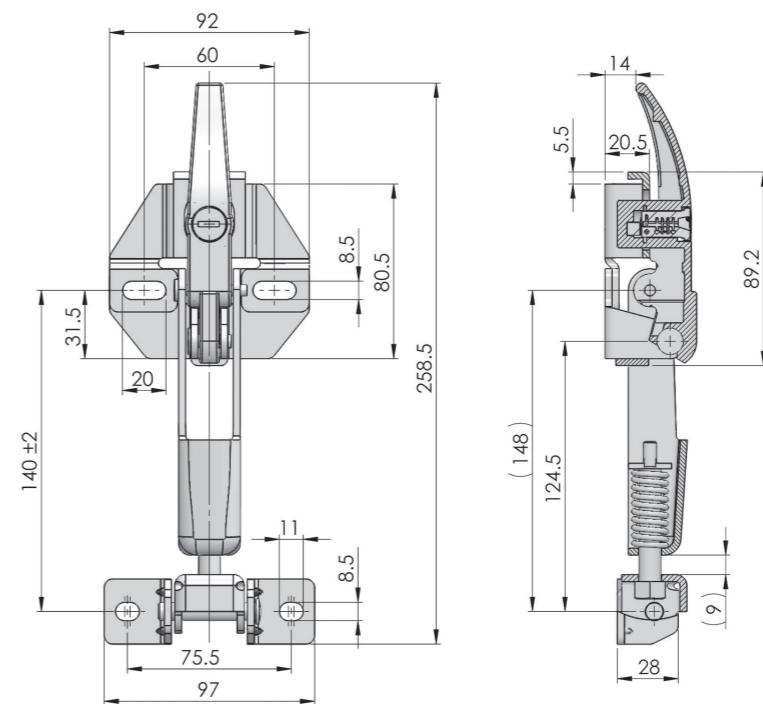
ERP	DK638S4B000001
-----	----------------

DK636-1



specification	with insert(with key)	without insert
ERP	DK636Z9D630001	DK636Z00000001

DK636-2



ERP	DK636Z2A342001
-----	----------------

DK636-1 **DK636-2**



Main material and finish: White zinc plated steel toggle, passivated ZDC handle
Product applications as picture show

Performance parameter:
Item:DK636-1
Maximum static load: 1500N

Item:DK636-2
Maximum static load: 1000N



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

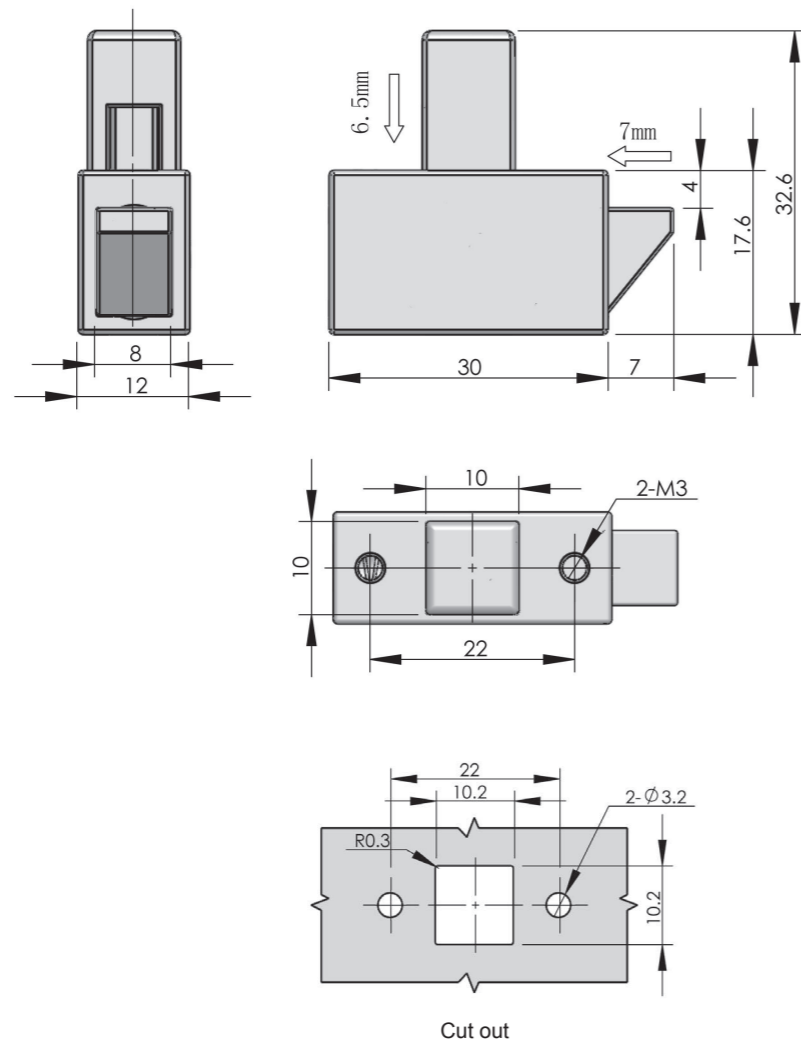
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK637



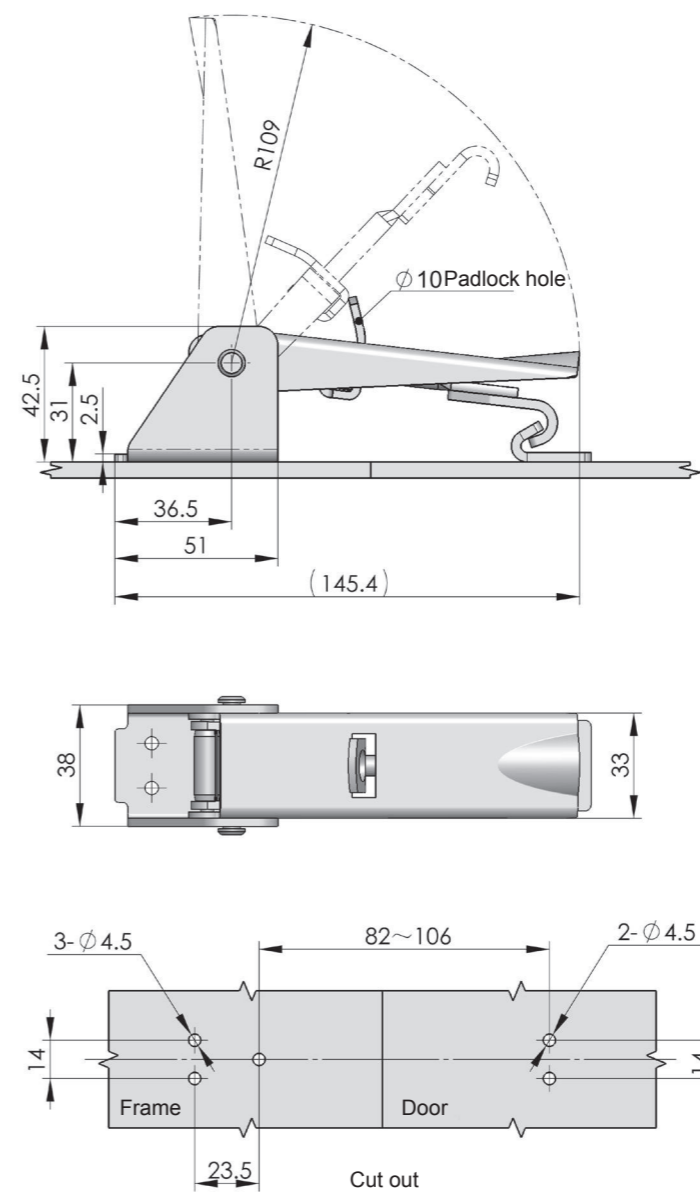
Main material and finish: Nickel plated ZDC housing, button and lock tongue

Performance parameter:
Maximum static load: 400N



ERP

DK637Z3G000001



ERP

DK639F3D000001

DK639



Main material and finish: Trivalent white-zinc steel body
Working load for reference: 2700N

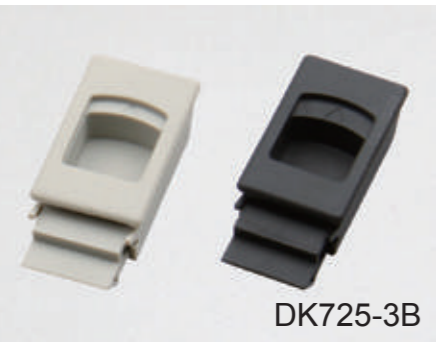
Performance parameter:
Maximum static load: 570N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK725



DK725-1
DK725-2

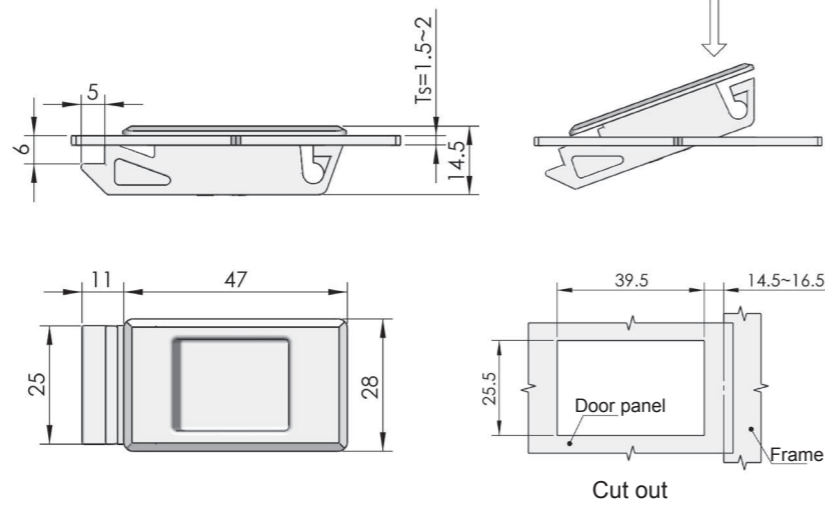


DK725-3B

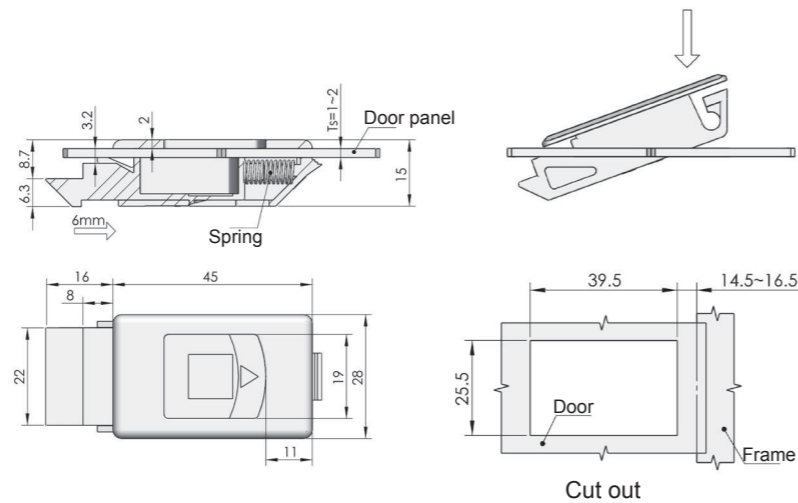
Main material: ABS toggle or PA toggle

Performance parameter:
Maximum static load: 300N

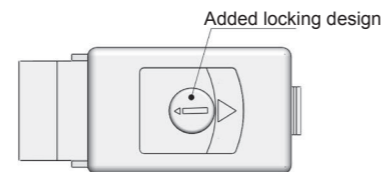
**DK725-1
DK725-2**



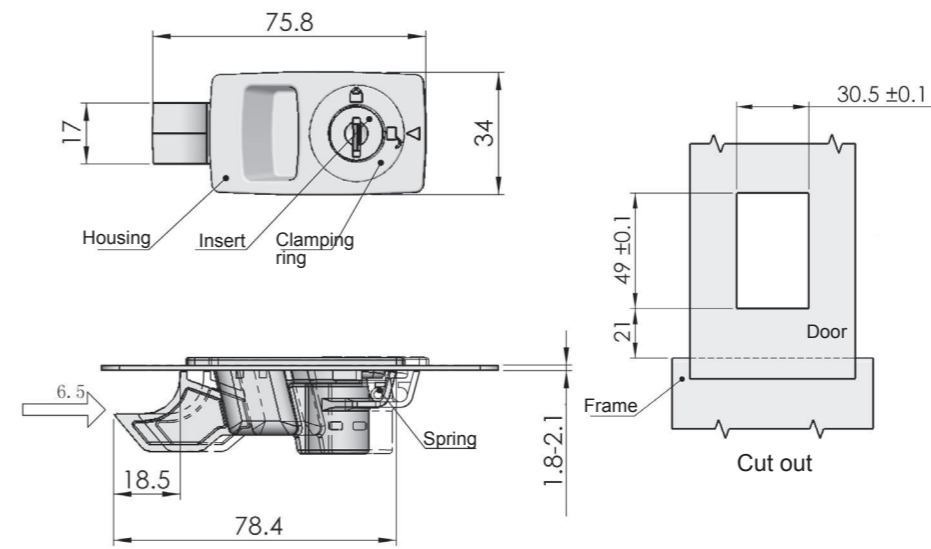
DK725-3B



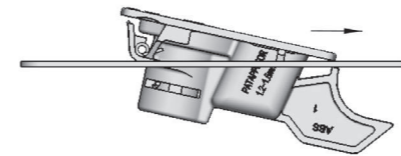
DK725-3C



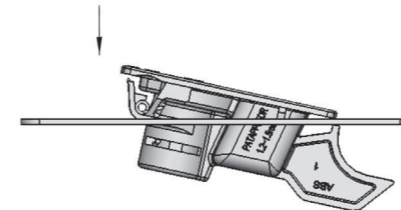
Specification	Model	ERP	
		ABS Silver	ABS Black
T=1.5	DK725-1	DK725N00000001	DK725N00000002
T=2	DK725-2	DK725N00000003	DK725N00000004
T=1~2	DK725-3B	DK725N00000010	DK725N00000006
T=1~2	DK725-3C	DK725N00000011	DK725N00000007



Insert the front of the toggle to the hole and press it



Make the door in the right position



DK725-5



Main material and finish: stainless steel housing module, hard chrome plated steel insert nodule

Application: RH or LH door has different toggle. It applies to car battery latch system. Release lever designed by user

Performance parameter:
Maximum static load: 500N

ERP DK641S0000001

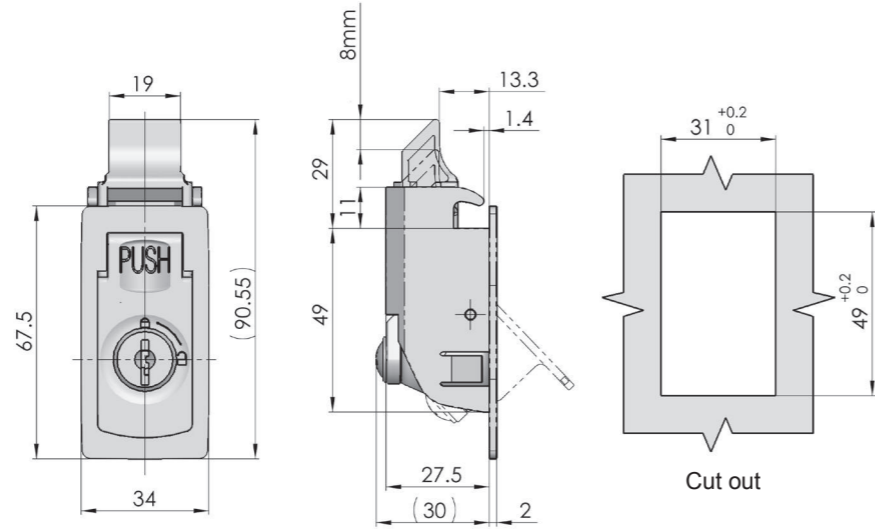
HANDLES SERIES

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



DK725-7

Main material and finish: black PA
Application: 90° clockwise rotate the key to open
Remarks: Default black K148 key
Performance parameter:
Maximum static load: 245N

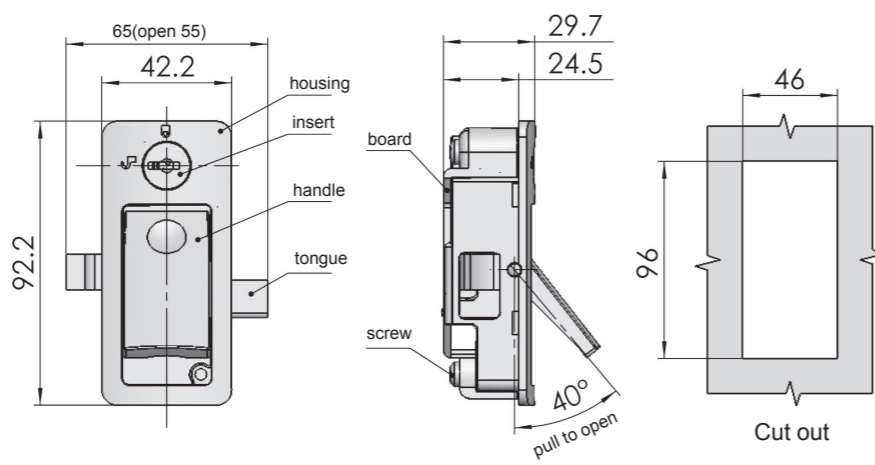


ERP DK725N00148001



DK725-8

Main material and finish: ABS+PC housing, handle, PC board, insert, ABS latch, tongue, stainless steelscrew
Finish: black Instructure Turn the insert to the left, pull the handle for open
Remarks: default key K164



ERP DK725N00164001

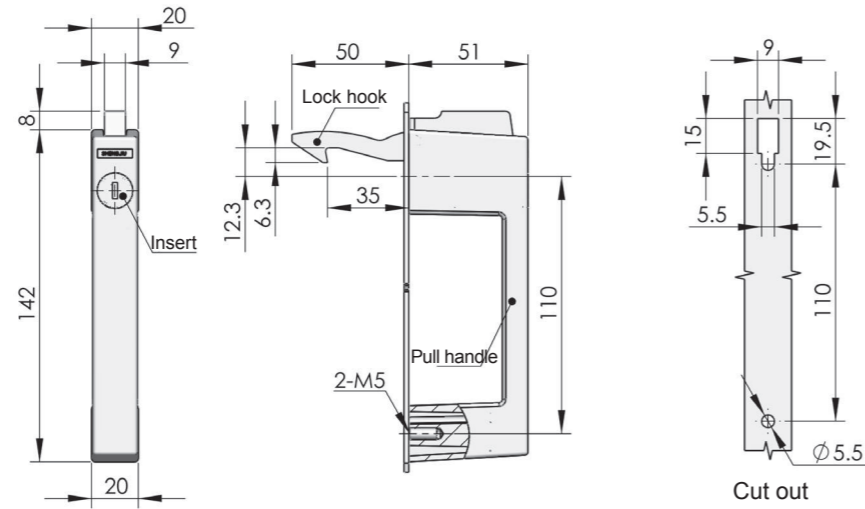
LS501	LS503	LS504-1	LS504-2	LS504-3
LS505	LS506	LS507	LS508	LS509
LS510	LS511	LS513	LS515	LS514-1
LS514-2	LS514-3-4-5	LS516	LS516-2A	LS518
LS519	LS520	LS521	LS522	LS532

LS501

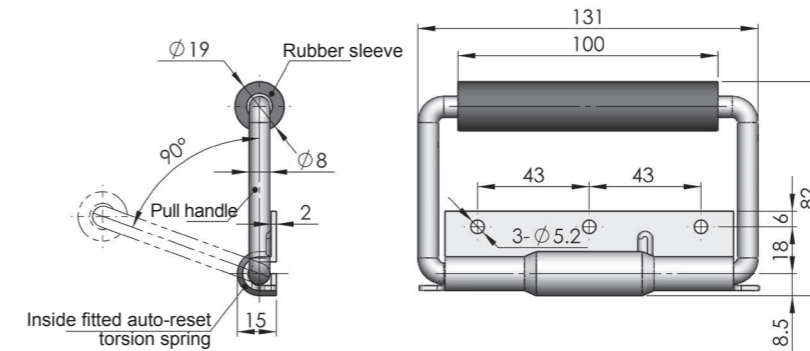


Main material and finish: Nanometer painted ZDC pull handle, lock hook and steel spring

Performance parameter:
Maximum static load: 600N



Specification	Model	ERP
With insert	LS501-10	LS501Z2B110001
Without insert	LS501-20	LS501Z2B110002



Specification	Model	ERP
Stainless steel	LS504-1B	LS504S00000001
Steel (Bright chrome)	LS504-1	LS504F3A000001

LS504-1

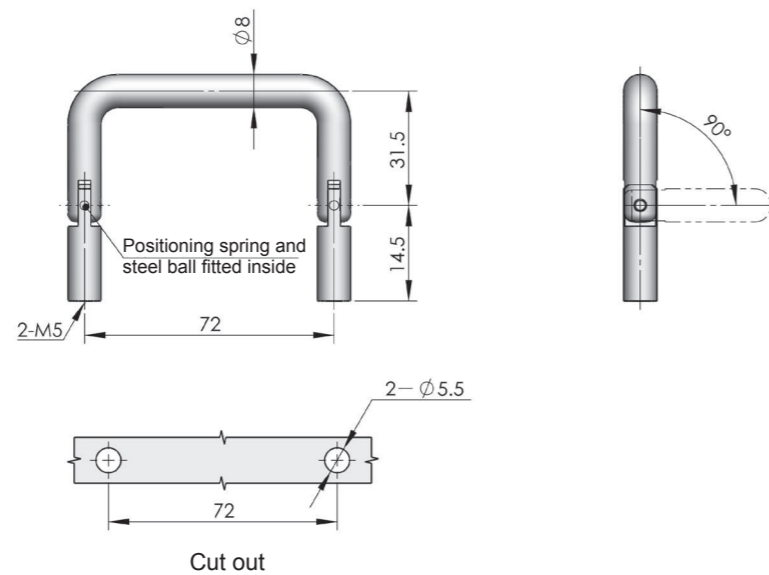


Performance parameter:
Maximum static load: 800N

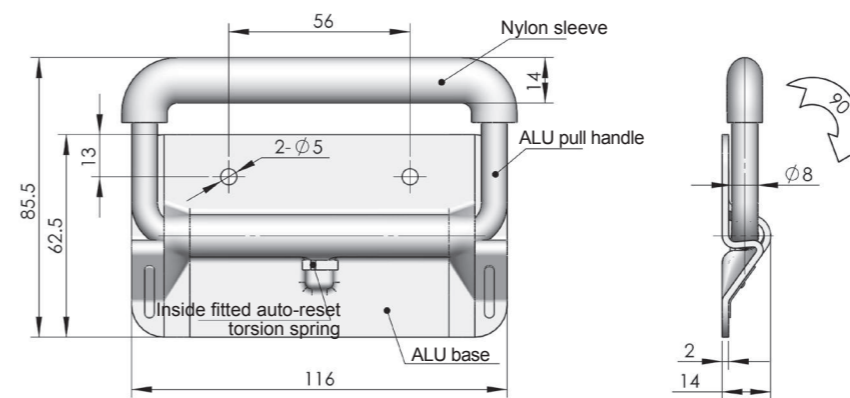
LS503



Performance parameter:
Maximum static load: 1000N



	Stainless steel	Bright chrome-plated steel
ERP	LS503S4A072001	LS503F3A072001



ERP	LS504A9A000001
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LS504-2



Main material and finish: Oxidation aluminum alloy base and pull handle, rubber sleeve

Performance parameter:
Maximum static load: 840N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

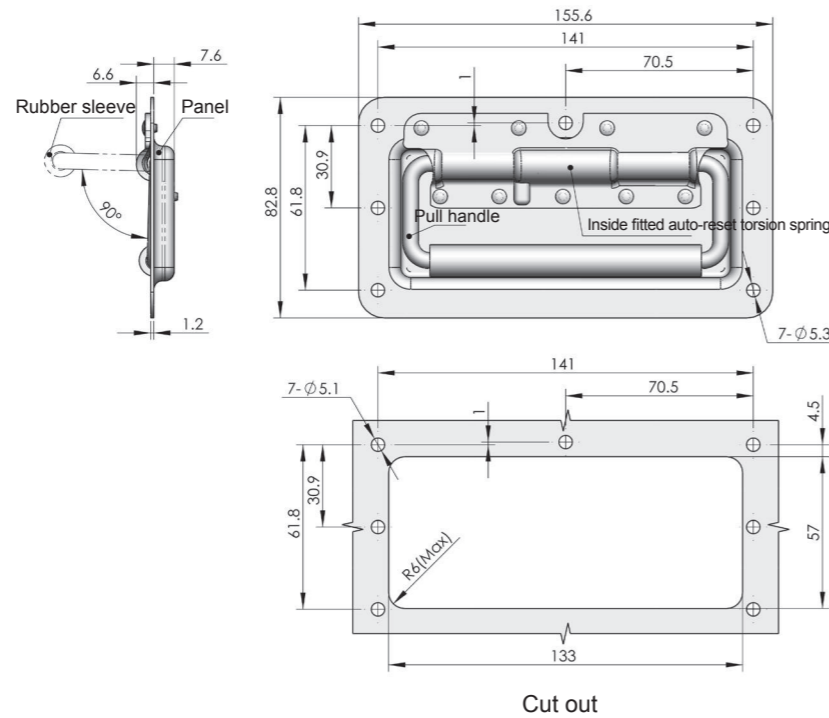
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS504-3



Main material and finish: Silk black powder coated steel base and pull handle, rubber sleeve

Performance parameter:
Maximum static load: 1610N



ERP

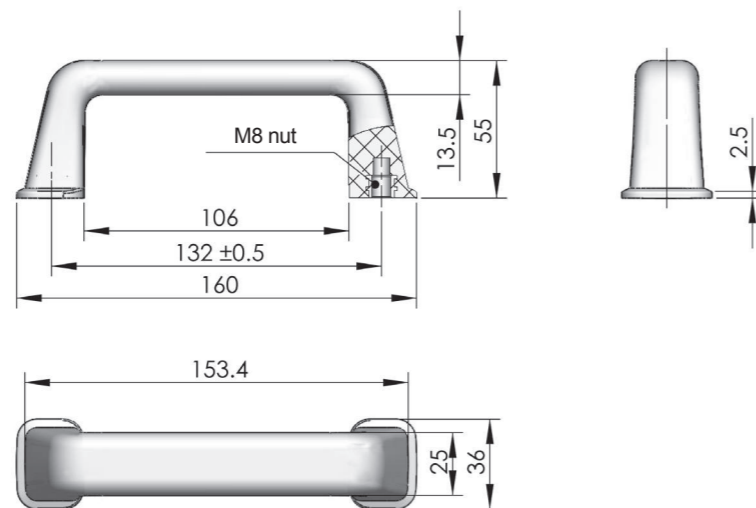
LS504F1A000001

LS505



Main material: Black PP

Performance parameter:
Maximum static load: 650N



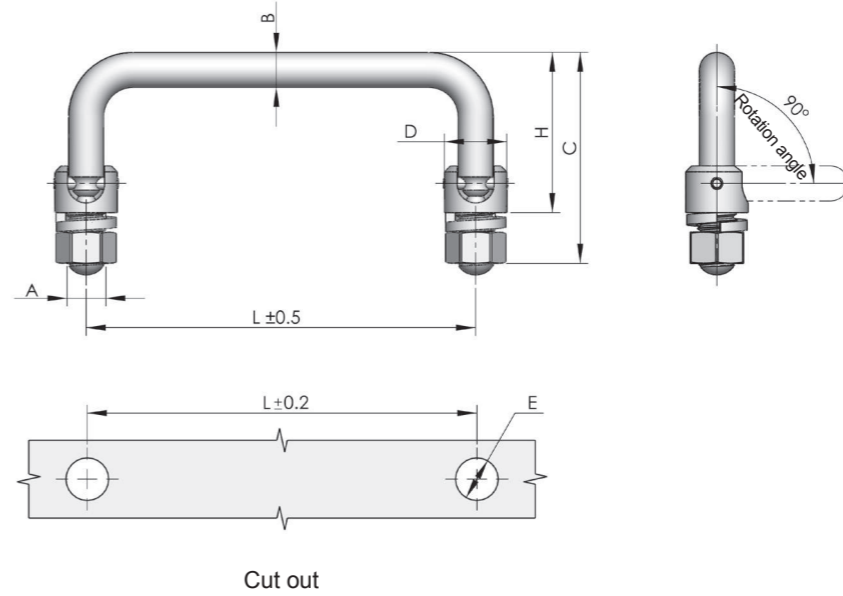
ERP

LS505N00132001

LS506



Performance parameter:
Maximum static load: 1200N(L=90)



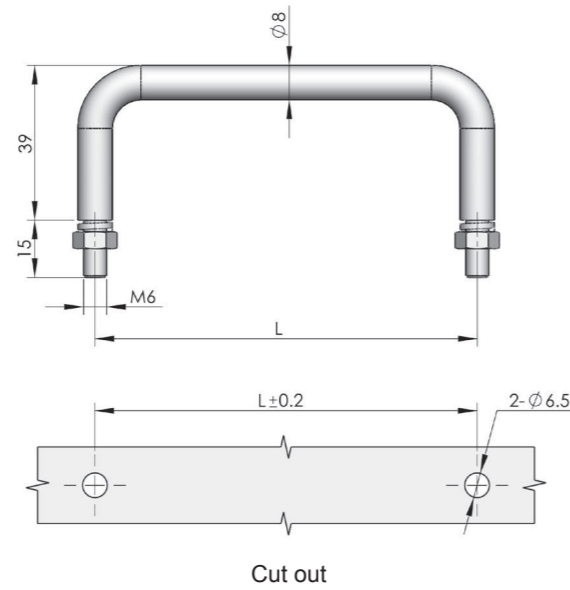
Specification	A=M10 B=Ø9 C=57.5 D=Ø16 H=41.5 E=Ø11 Ts=1~2				A=M6 B=Ø6 C=45 D=Ø11 H=32 E=Ø7 Ts=1~5	
	Bright chrome-plated steel		Stainless steel		Bright chrome-plated steel	
	Model	ERP	Model	ERP	Model	ERP
L=55	LS506-55	LS506F3A550002	LS506-S55	LS506F4A550002	LS506-2-55	LS506F3A055001
L=60	LS506-60	LS506F3A600002	LS506-S60	LS506F4A600002	LS506-2-60	LS506F3A060001
L=70	LS506-70	LS506F3A700002	LS506-S70	LS506F4A700002	LS506-2-70	LS506F3A070001
L=84	LS506-84	LS506F3A840002	LS506-S84	LS506F4A840002	LS506-2-84	LS506F3A084001
L=90	LS506-90	LS506F3A090001	LS506-S90	LS506S4A090001	LS506-2-90	LS506F3A090002
L=100	LS506-100	LS506F3A100001	LS506-S100	LS506S4A100001	LS506-2-100	LS506F3A100008
L=102	LS506-102	LS506F3A102002	LS506-S102	LS506S4A102002	LS506-2-102	LS506F3A102001
L=119	LS506-119	LS506F3A119001	LS506-S119	LS506S4A119001	LS506-2-119	LS506F3A119004
L=122	LS506-122	LS506F3A122002	LS506-S122	LS506S4A122002	LS506-2-122	LS506F3A122001
L=135	LS506-135	LS506F3A135001	LS506-S135	LS506S4A135001	LS506-2-135	LS506F3A135005
L=149	LS506-149	LS506F3A149001	LS506-S149	LS506S4A149001	LS506-2-149	LS506F3A149002
L=155	LS506-155	LS506F3A155001	LS506-S155	LS506S4A155001	LS506-2-155	LS506F3A155002
L=160	LS506-160	LS506F3A160001	LS506-S160	LS506S4A160001	LS506-2-160	LS506F3A160002

LS507



Main material and finish: Silk black powder coated steel

Performance parameter :
Maximum static load: 1500N(item LS507-S75)



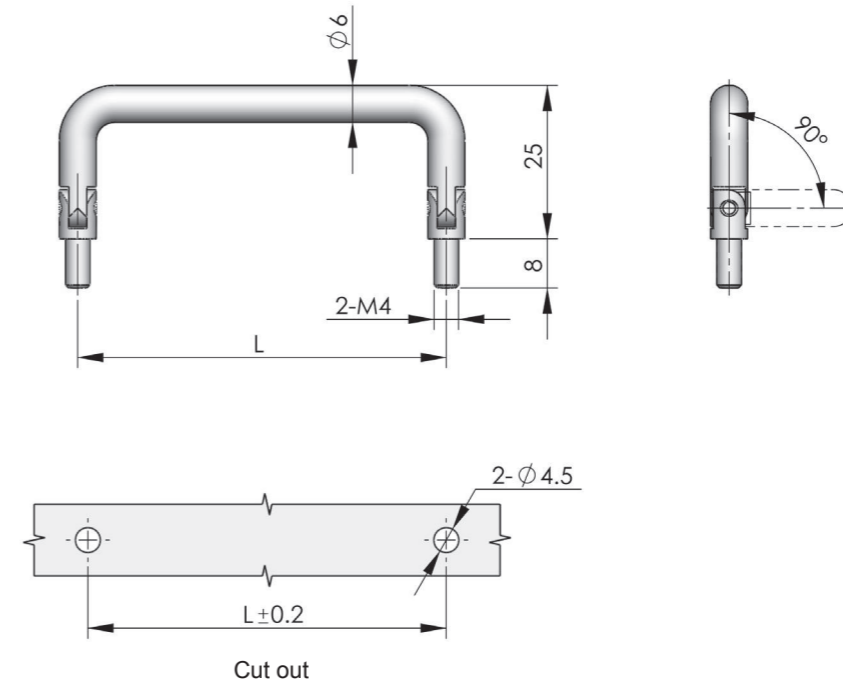
Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=68	LS507-68	LS507F3A068001	LS507-S68	LS507S4A068001
L=75	LS507-75	LS507F3A075001	LS507-S75	LS507S4A075001
L=100	LS507-100	LS507F3A075001	LS507-S100	LS507S4A100001
L=150	LS507-150	LS507F3A150001	LS507-S150	LS507S4A150001

LS508



Main material: Stainless steel or steel

Performance parameter :
Maximum static load: 1200N(L=90)



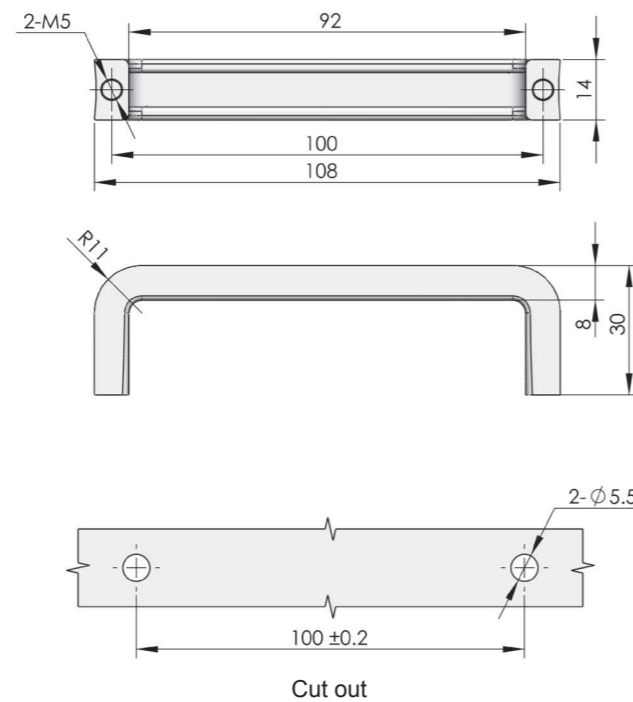
Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=55	LS508-55	LS508F3A055001	LS508-S55	LS508S4A055001
L=60	LS508-60	LS508F3A060001	LS508-S60	LS508S4A060001
L=70	LS508-70	LS508F3A070001	LS508-S70	LS508S4A070001
L=74	LS508-74	LS508F3A074001	LS508-S74	LS508S4A074001
L=84	LS508-84	LS508F3A084001	LS508-S84	LS508S4A084001
L=90	LS508-90	LS508F3A090001	LS508-S90	LS508S4A090001
L=102	LS508-102	LS508F3A102001	LS508-S102	LS508S4A102001
L=122	LS508-122	LS508F3A122001	LS508-S122	LS508S4A122001
L=138	LS508-138	LS508F3A138001	LS508-S138	LS508S4A138001

LS510



Material:ZDC

Performance parameter :
Maximum static load: 1500N



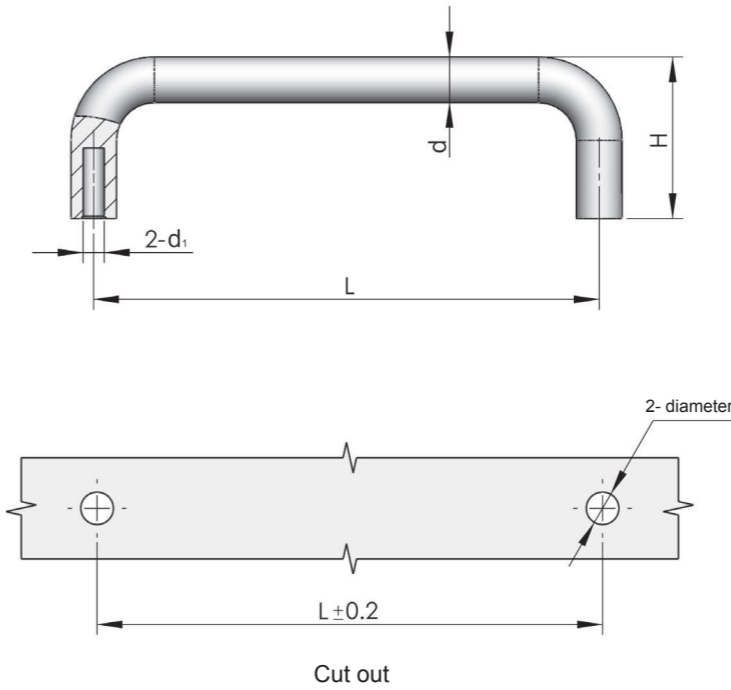
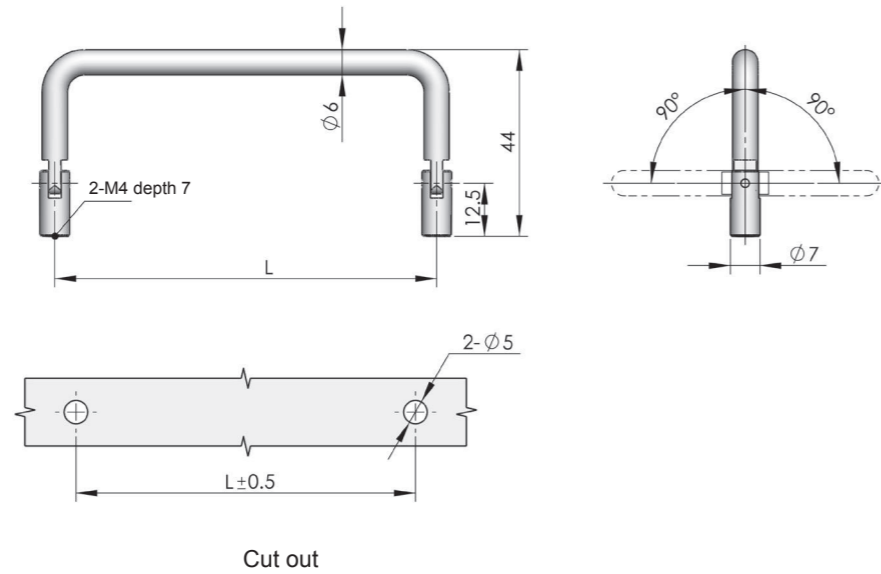
	chrome plated	Nanometer painted
ERP	LS510Z3A100001	LS510Z2B100001

LS509



Main material and finish: Polished or bright chrome-plated stainless steel or steel

Performance parameter :
Maximum static load: 1000N (L=90)



LS511

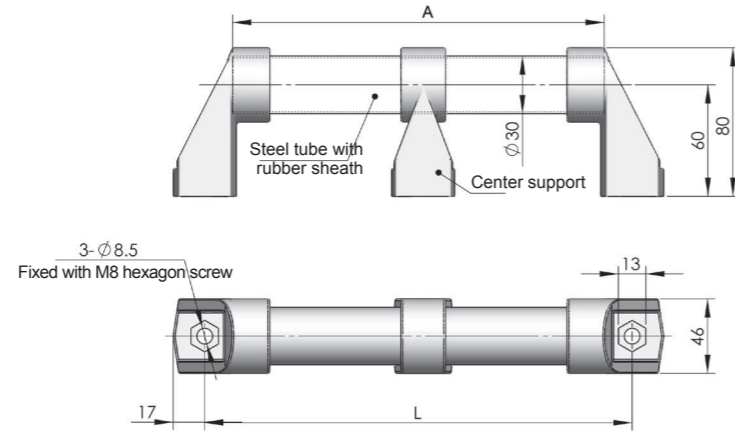


Performance parameter :
Item:LS511-Z-120
Maximum static load: 1800N

Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=55	LS509-55	LS509F3A055001	LS509-S55	LS509S4A055001
L=60	LS509-60	LS509F3A060001	LS509-S60	LS509S4A060001
L=70	LS509-70	LS509F3A070001	LS509-S70	LS509S4A070001
L=74	LS509-74	LS509F3A074001	LS509-S74	LS509S4A074001
L=84	LS509-84	LS509F3A084001	LS509-S84	LS509S4A084001
L=90	LS509-90	LS509F3A090001	LS509-S90	LS509S4A090001
L=102	LS509-102	LS509F3A102001	LS509-S102	LS509S4A102001
L=122	LS509-122	LS509F3A122001	LS509-S122	LS509S4A122001
L=138	LS509-138	LS509F3A138001	LS509-S138	LS509S4A138001

Bright chrome-plated steel		Stainless steel (mirror polished)		Bright chrome-plated ZDC		Specification				
Model	ERP	Model	ERP	Model	ERP	L	d	H	d ₁	D
LS511-B55	LS511F3A055001	LS511-BS55	LS511S4A055001			55	6	26	M4	Ø 4.5
LS511-B60	LS511F3A060001	LS511-BS60	LS511S4A060001			60	6	26	M4	Ø 4.5
LS511-B70	LS511F3A070001	LS511-BS70	LS511S4A070001			70	6	32	M4	Ø 4.5
LS511-B82	LS511F3A082001	LS511-BS82	LS511S4A082001			82	6	26	M4	Ø 4.5
LS511-B90	LS511F3A090001	LS511-BS90	LS511S4A090001			90	6	32	M4	Ø 4.5
LS511-B102	LS511F3A102001	LS511-BS102	LS511S4A102001			102	6	32	M4	Ø 4.5
LS511-B122	LS511F3A122001	LS511-BS122	LS511S4A122001			122	6	32	M4	Ø 4.5
LS511-B138	LS511F3A138001	LS511-BS138	LS511S4A138001			138	6	32	M4	Ø 4.5
LS511-A75	LS511F3A075001	LS511-AS75	LS511S4A075001			75	8	40	M5	Ø 6
LS511-A100	LS511F3A100001	LS511-AS100	LS511S4A100001			100	8	32	M5	Ø 6
LS511-A150	LS511F3A150001	LS511-AS150	LS511S4A150001			150	8	40	M5	Ø 6
LS511-90	LS511F3A090002	LS511-S90	LS511S4A090002			90	9	32	M5	Ø 6
LS511-100	LS511F3A100002	LS511-S100	LS511S4A100002			100	9	32	M5	Ø 6
LS511-119	LS511F3A119001	LS511-S119	LS511S4A119001			119	9	40	M5	Ø 6
LS511-135	LS511F3A135001	LS511-S135	LS511S4A135001			135	9	32	M5	Ø 6
LS511-149	LS511F3A149001	LS511-S149	LS511S4A149001			149	9	40	M5	Ø 6
LS511-155	LS511F3A155001	LS511-S155	LS511S4A155001			155	9	32	M5	Ø 6
LS511-160	LS511F3A160001	LS511-S160	LS511S4A160001			160	9	40	M5	Ø 6
				LS511-Z101	LS511Z3A101001	101	9	29	M5	Ø 6
				LS511-Z120	LS511Z3A120001	120	10	37	M6	Ø 7
				LS511-Z180	LS511Z3A180001	180	12	45	M5	Ø 7

LS513



Main material and finish: Rubber sheath, steel tube, black PA end pieces and center support

Performance parameter :
Maximum static load: 600N (L=300)

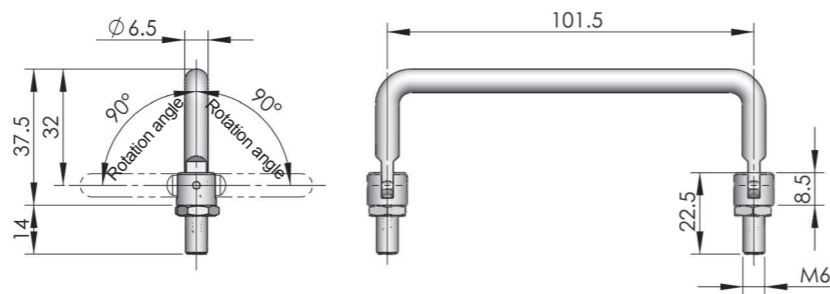
Specification		Model	ERP
L	A		
300	266	LS513-300	LS513N00300001
400	366	LS513-400	LS513N00400002
500	466	LS513-500	LS513N00500001
600	566	LS513-600	LS513N00600001
700	666	LS513-700	LS513N00700002
800	766	LS513-800	LS513N00800001
900	866	LS513-900	LS513N00900002
1000	966	LS513-1000	LS513N00000A02
2000	1966	LS513-2000	LS513N00000B01

LS515



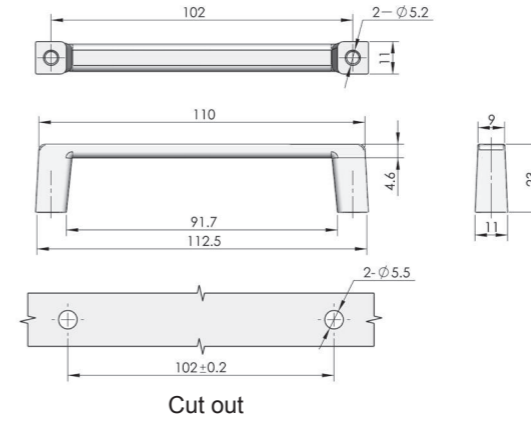
Main material and finish: Black powder coated steel

Performance parameter :
Maximum static load: 800N



ERP LS515F1A102001

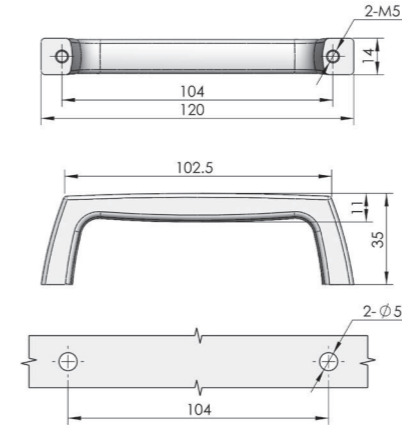
LS514-1



Cut out

ERP LS514Z3A102001

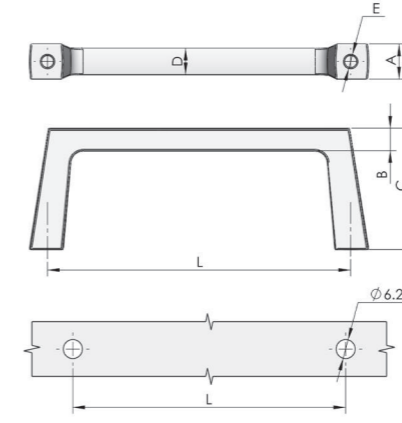
LS514-2



Cut out

ERP LS514Z2B104001

LS514-3-4-5



Cut out

Model	ERP	Specification					
		A	B	C	D	L	E
LS514-3	LS514A2B100001	10.5	7	32	8	100	2-M6
LS514-4	LS514A2B125001	14.5	9.5	50	11	125	2-M6
LS514-5	LS514A2B130001	18.5	9.5	40	16	130	2-M6

LS514-1



Main material and finish: Bright chrome plated ZDC

LS514-2



Main material and finish: Nanometer painted ZDC

LS514-3-4-5



Main material and finish: Nanometer painted aluminium alloy

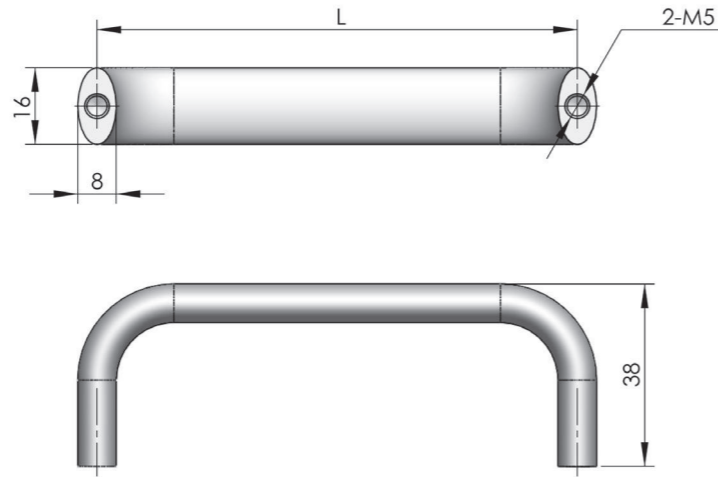
Performance parameter :
Maximum static load: 800N

LS516

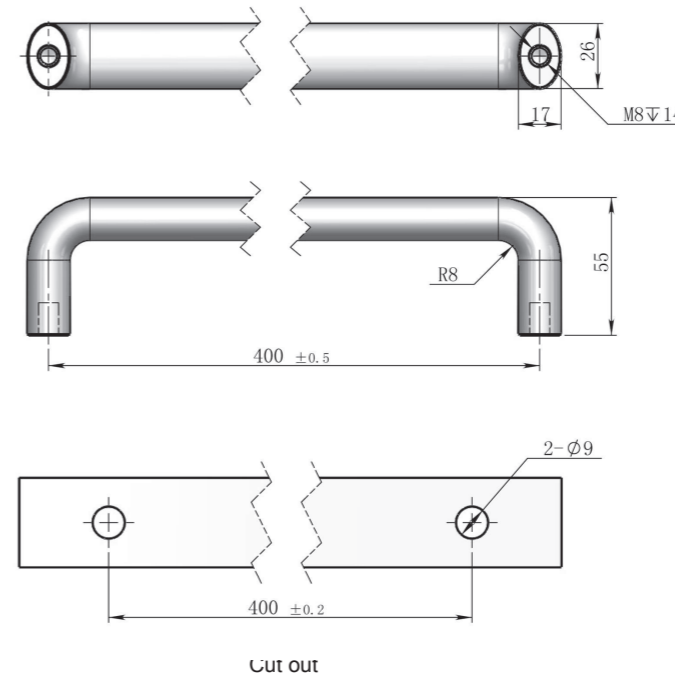


Main material and finish: Silk black powder coated aluminum alloy

Performance parameter :
Maximum static load: 2500N (L=100)



Specification	Model	ERP
L		
75	LS516-75	LS516A1A075001
100	LS516-100	LS516A1A100001
125	LS516-125	LS516A1A125001
150	LS516-150	LS516A1A150001
175	LS516-175	LS516A1A175001



ERP	LS516A2A400001
-----	----------------

LS516-2A-1D



Main material and finish: Black painted aluminum alloy

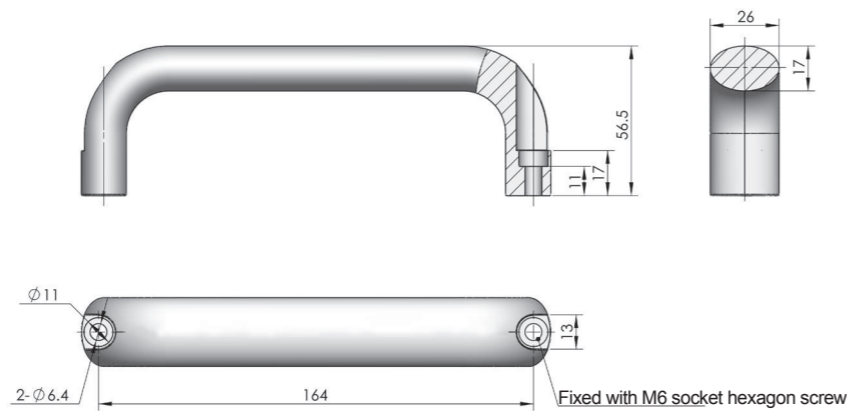
Performance parameter :
Maximum static load: 1000N

LS516-2A

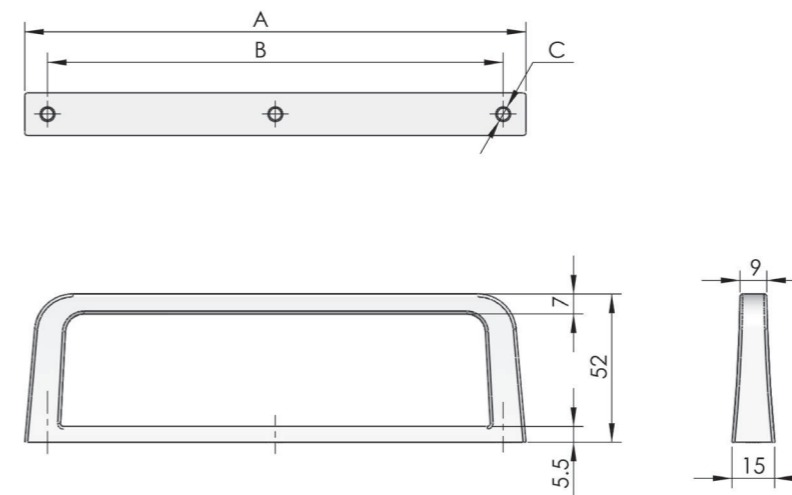


Main material and finish: Silk black powder coated aluminum alloy

Performance parameter :
Maximum static load: 3000N



ERP	LS516A1A164001
-----	----------------



Model	ERP	Specification		
		A	B	C
LS518-1U	LS518Z2B030001	42.6	30	2 - M4
LS518-2U	LS518Z2B071001	86.7	71	2 - M5
LS518-3U	LS518Z2B116001	131.2	115.5	2 - M5
LS518-4U	LS518Z2B160001	176	160	3 - M5

LS518



Main material and finish: Nanometer painted ZDC handle

Performance parameter :
Maximum static load: 1500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

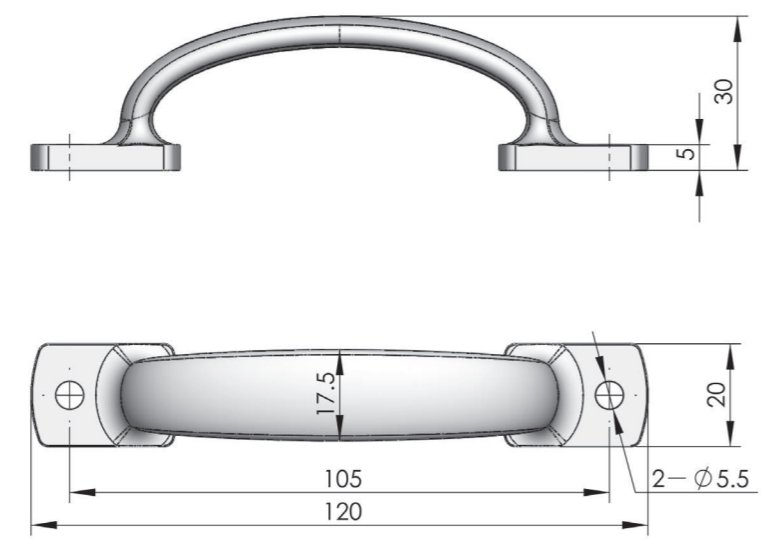
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



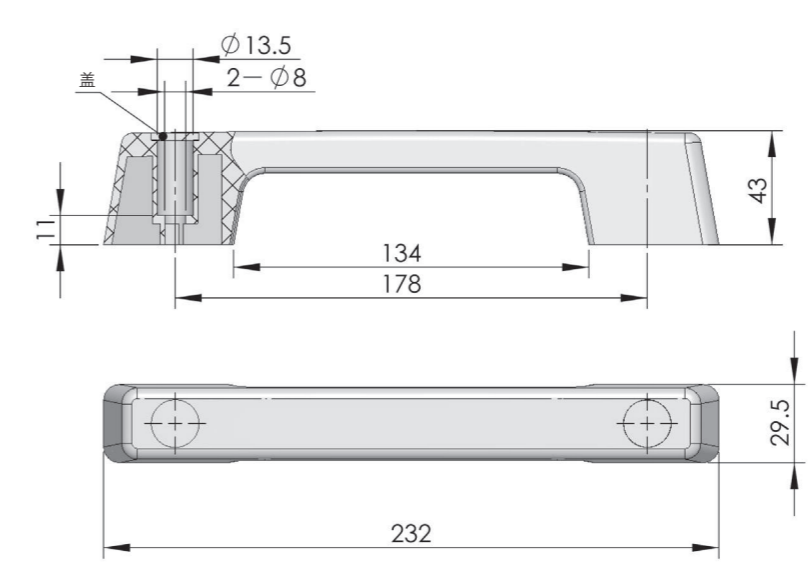
LS519

Main material and finish: Mirror polishing stainless steel handle

Performance parameter :
Maximum static load: 850N



ERP LS519S4A105001



ERP LS521N00178001



LS521

Main material and finish: Black ABS

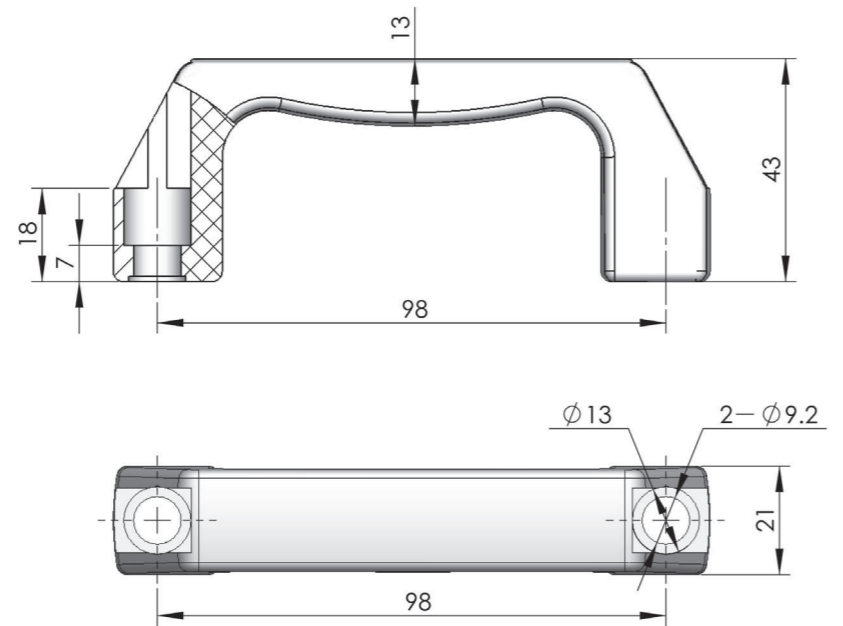
Performance parameter :
Maximum static load: 1050N



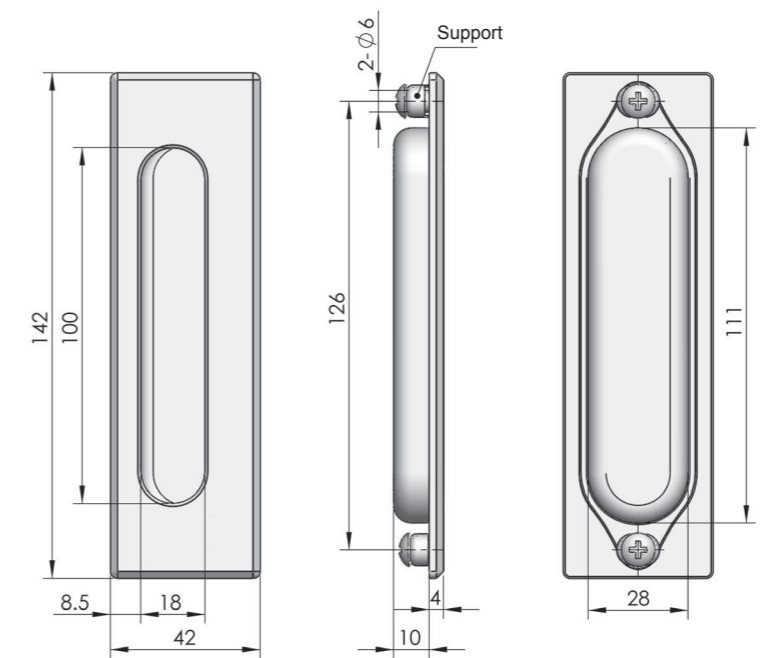
LS520

Main material and finish: Black ABS

Performance parameter :
Maximum static load: 980N



ERP LS520N00098001



ERP LS523Z3A126001



LS523

Main material and finish: Bright chrome plated ZDC

Performance parameter :
Maximum static load: 400N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS522

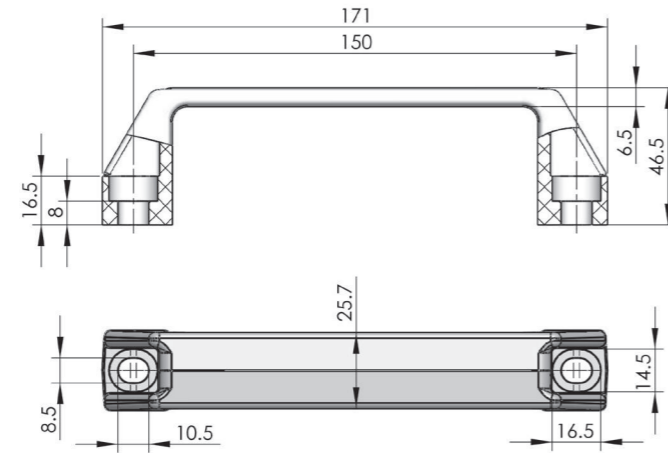


Main material and finish: Black PA

Performance parameter :

Maximum static load: 800N

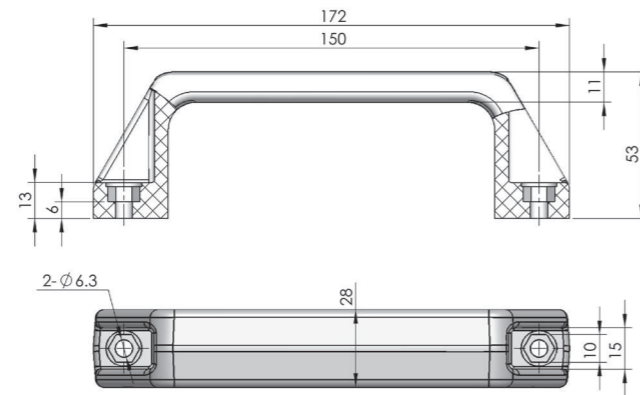
LS522-1



ERP

LS522N00150001

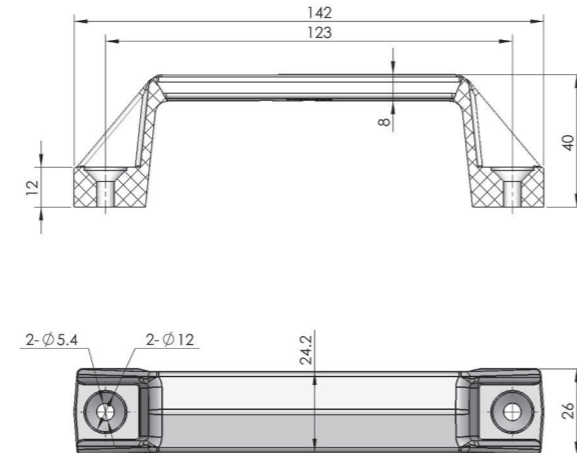
LS522-2



ERP

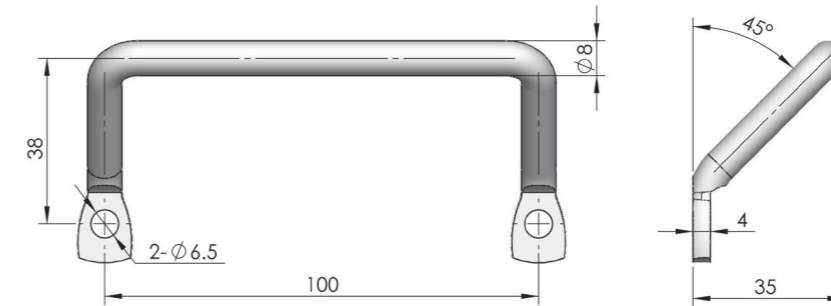
LS522N00150002

LS522-3



ERP

LS522N00123001



ERP

LS531F3A100001

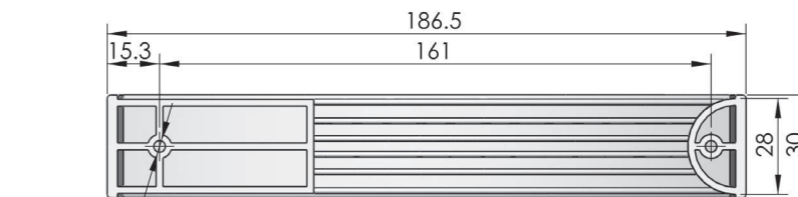
LS531



Main material and finish: Bright chrome plated steel

Performance parameter :

Maximum static load: 2595N



ERP

LS532N00000001

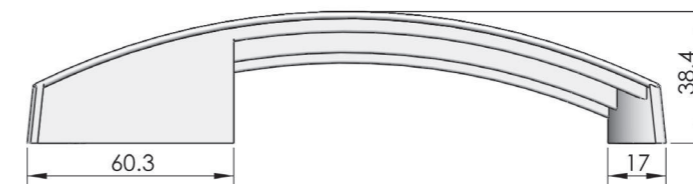
LS532



Main material and finish: Grey PC

Performance parameter :

Maximum static load: 500N

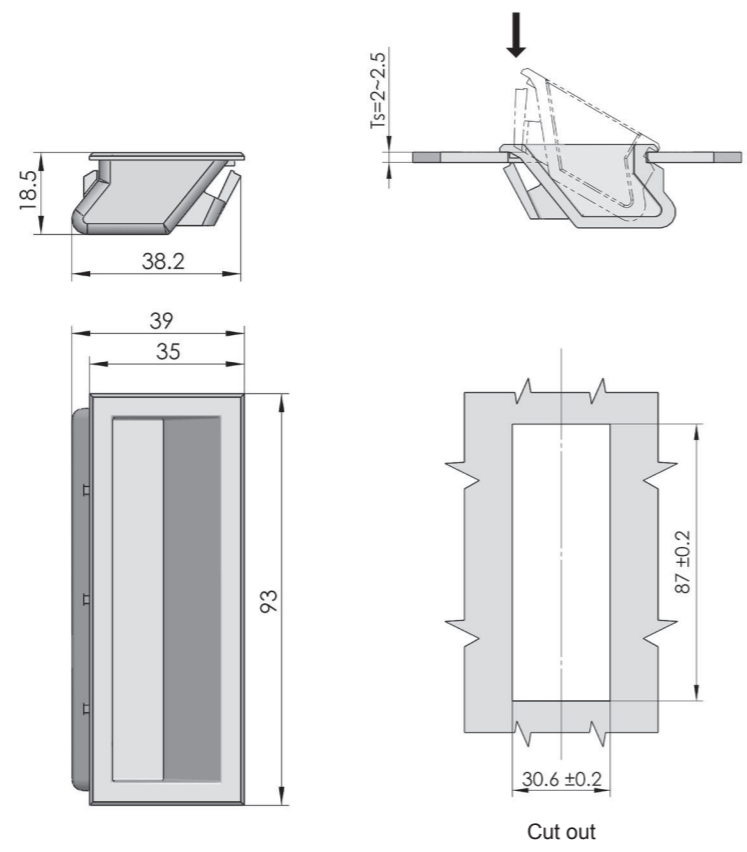


Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



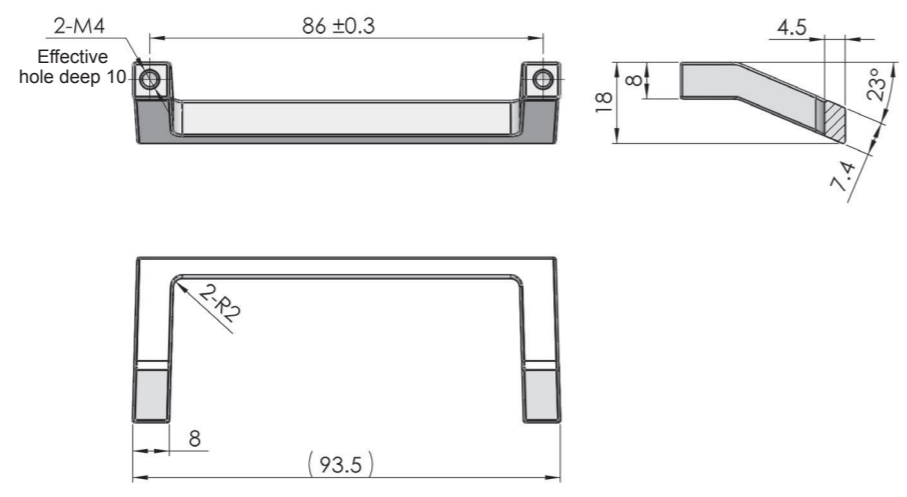
LS537-3
Main material and finish: Black ABS
Performance parameter :
Maximum static load: 400N



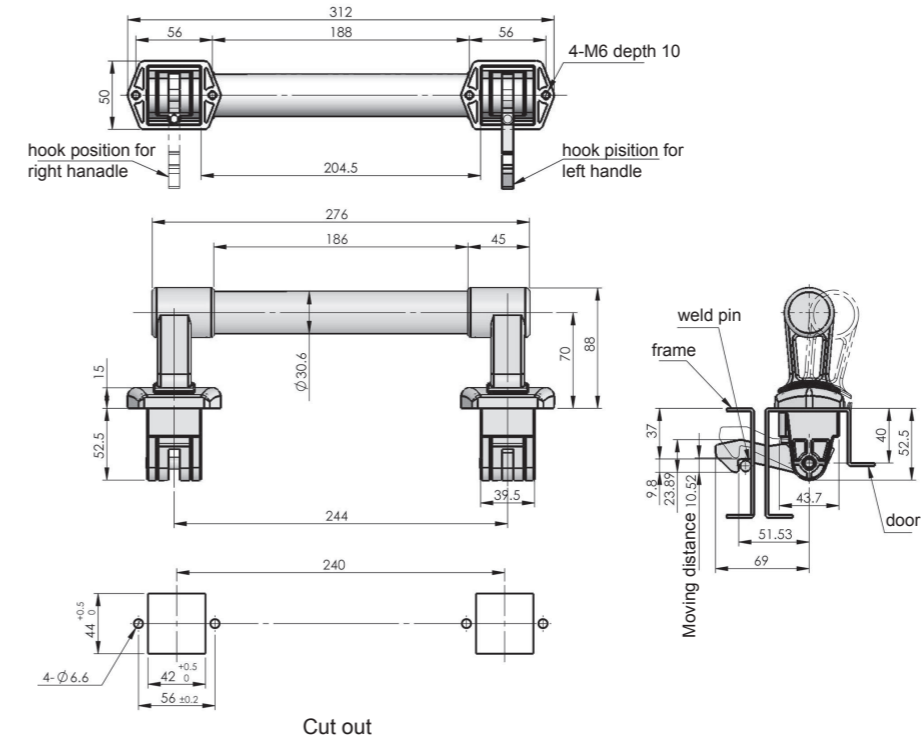
ERP LS537N00000004



LS539
Main material and finish: Grind vibration polishing Aluminum handle
Performance parameter :
Maximum static load: 1790N



ERP LS539A4C086001



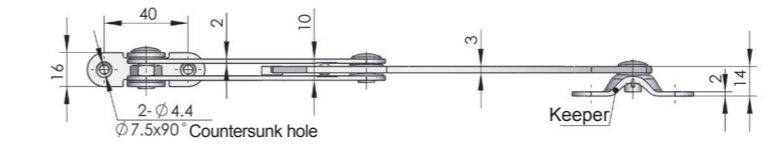
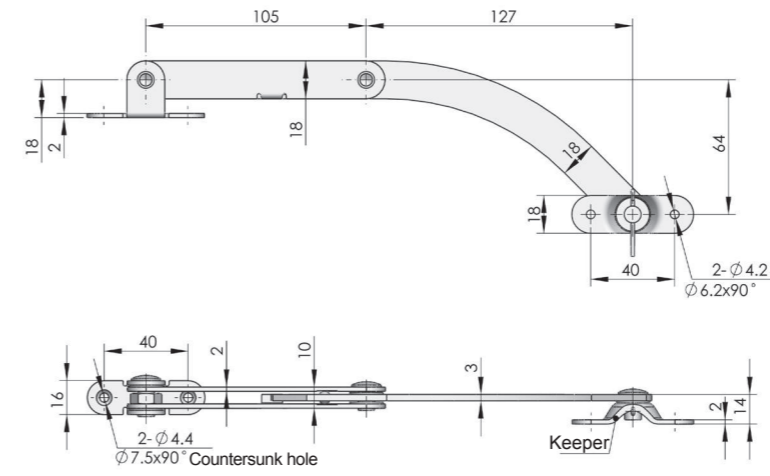
	LS546-Z LH	LS546-Y RH
ERP	LS546Z2A266001	LS546Z2A266002



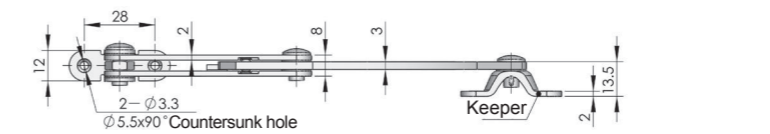
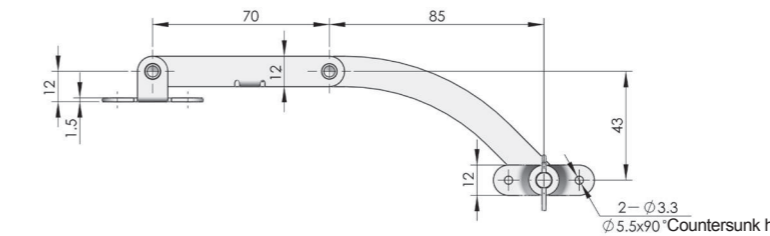
LS546-Y
Main material and finish: Black painted ZDC housing,PVC packed steel pipe
Application: unlock the hook by the swing handle, different hook installation position for the left and right handle
Performance parameter :
Maximum static load: 1000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DOOR STOP SERIES

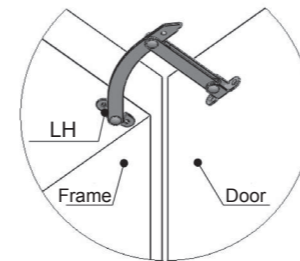


TX80-1
Remarks: change the fitting direction of the keeper to suit RH or LH application



TX80-2
Remarks: change the fitting direction of the keeper to suit RH or LH application

Example of application



Specification	Model	ERP	Model	ERP
LH	TX80-1-Z	TX080F3A001	TX80-2-Z	TX080F3A005
RH	TX80-1-Y	TX080F3A002	TX80-2-Y	TX080F3A006



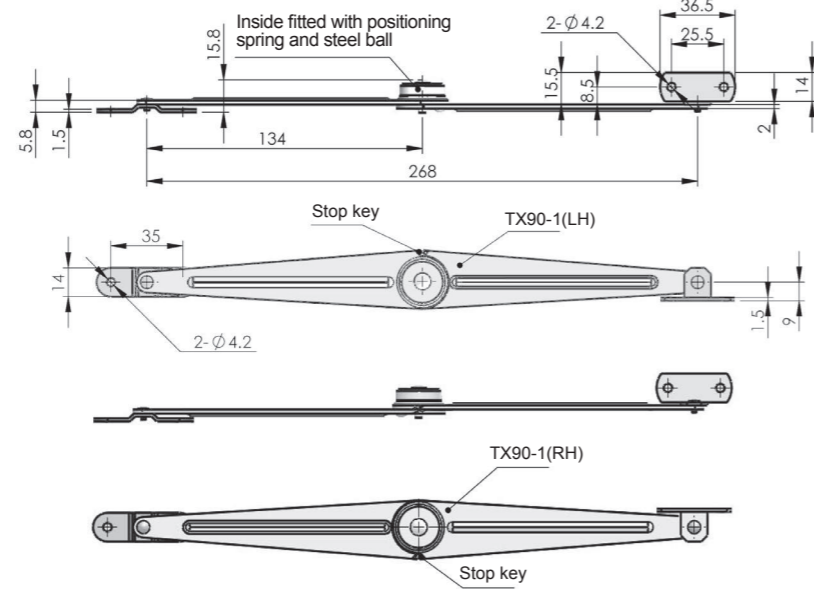
Main material and finish: Bright chrome plated steel body

- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock
- Panel lock
- Toggle and hook
- Handles
- Door stop**
- Hinge
- Seal gasket

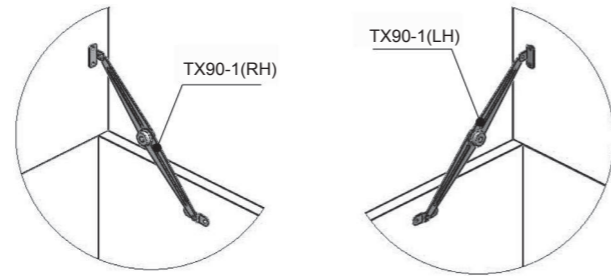
TX90-1



Main material and finish: Bright chrome plated steel



Example of application

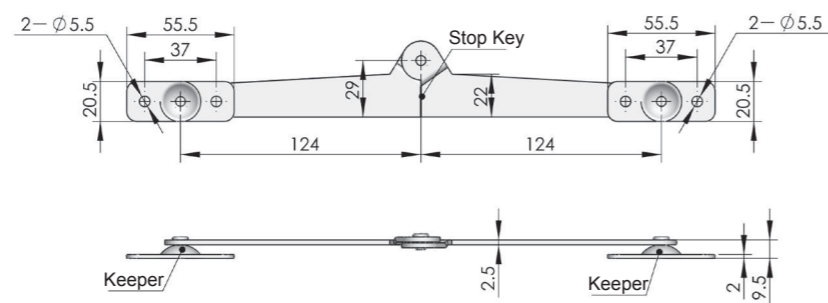


	TX90-1-Z LH	TX90-1-Y RH
ERP	TX090F3A001	TX090F3A002

TX90-3



Main material and finish: Chrome plated steel

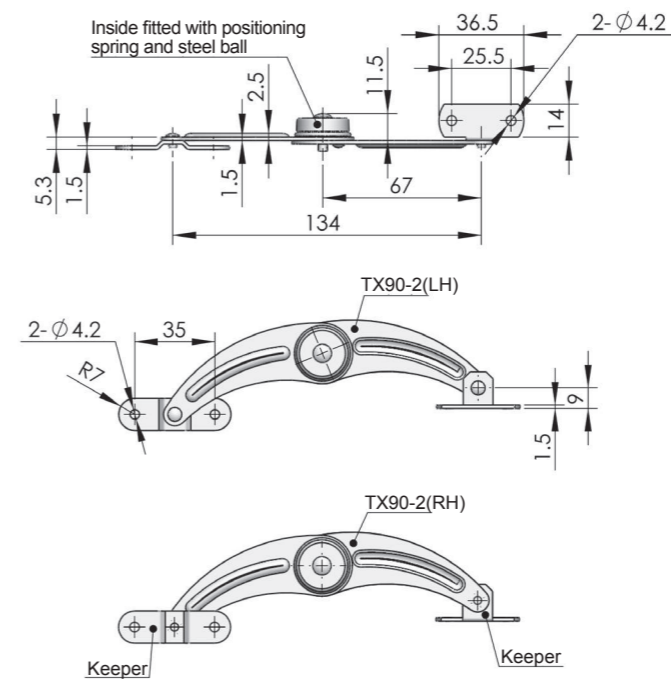


ERP	TX090F3A011
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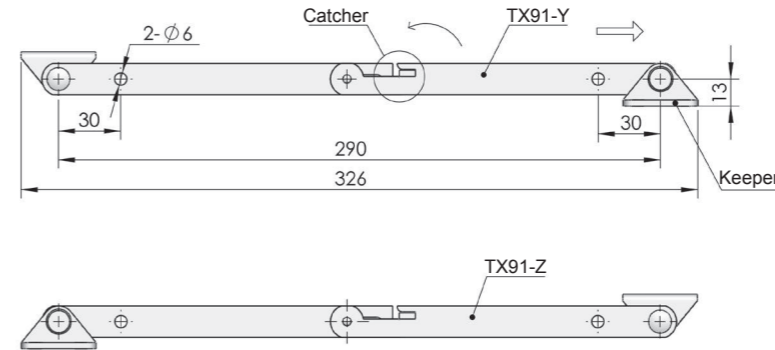
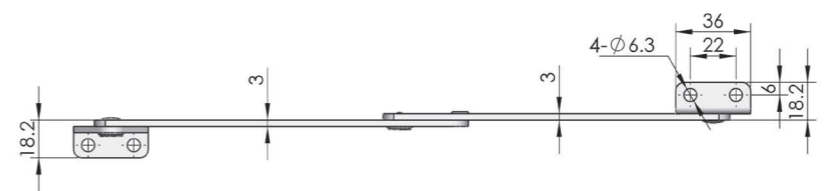
TX90-2



Main material and finish: Bright chrome plated steel



	TX90-2-Z LH	TX90-2-Y RH
ERP	TX090F3A008	TX090F3A009



	TX91-1-Z LH	TX91-2-Y RH
ERP	TX091S00002	TX091S00001

TX91



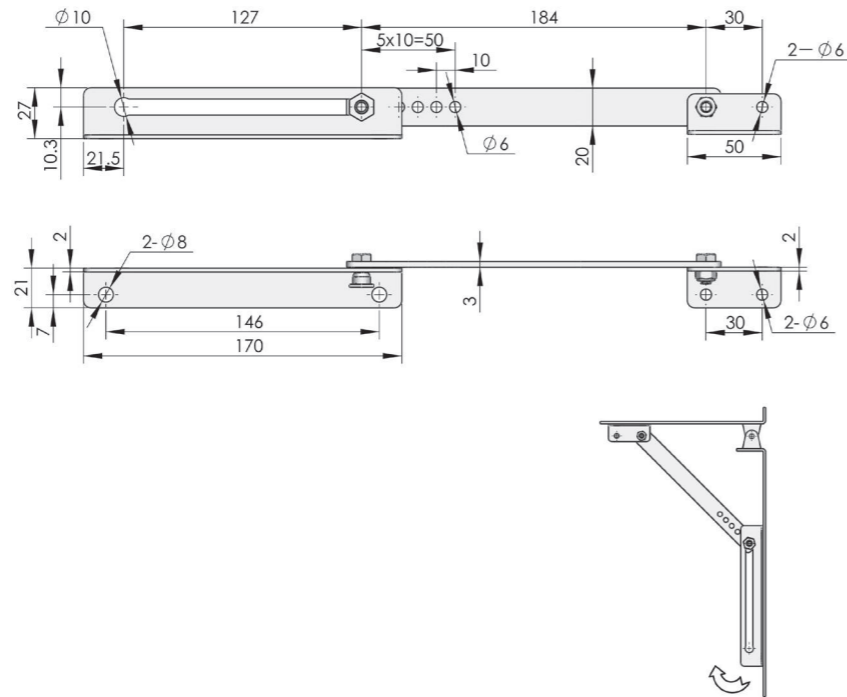
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

TX92-2



Main material: Stainless steel

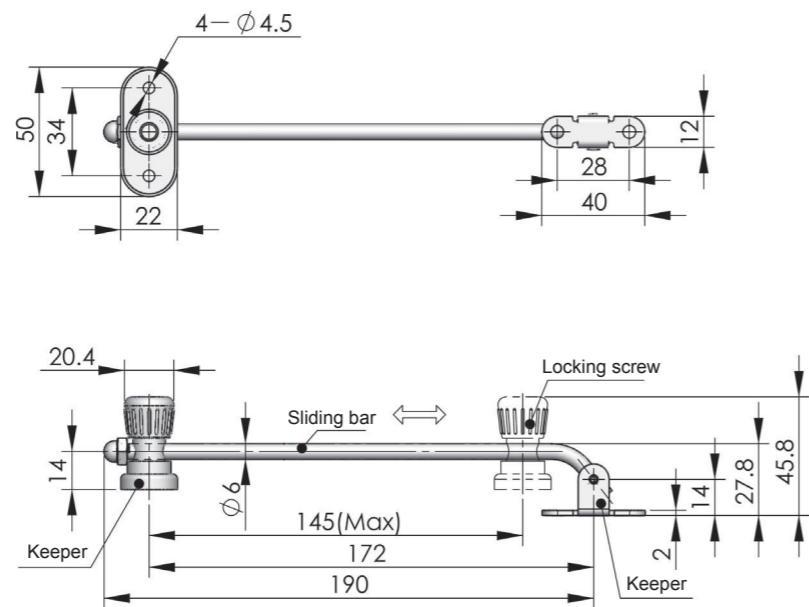


ERP TX092S00002

TX100-B



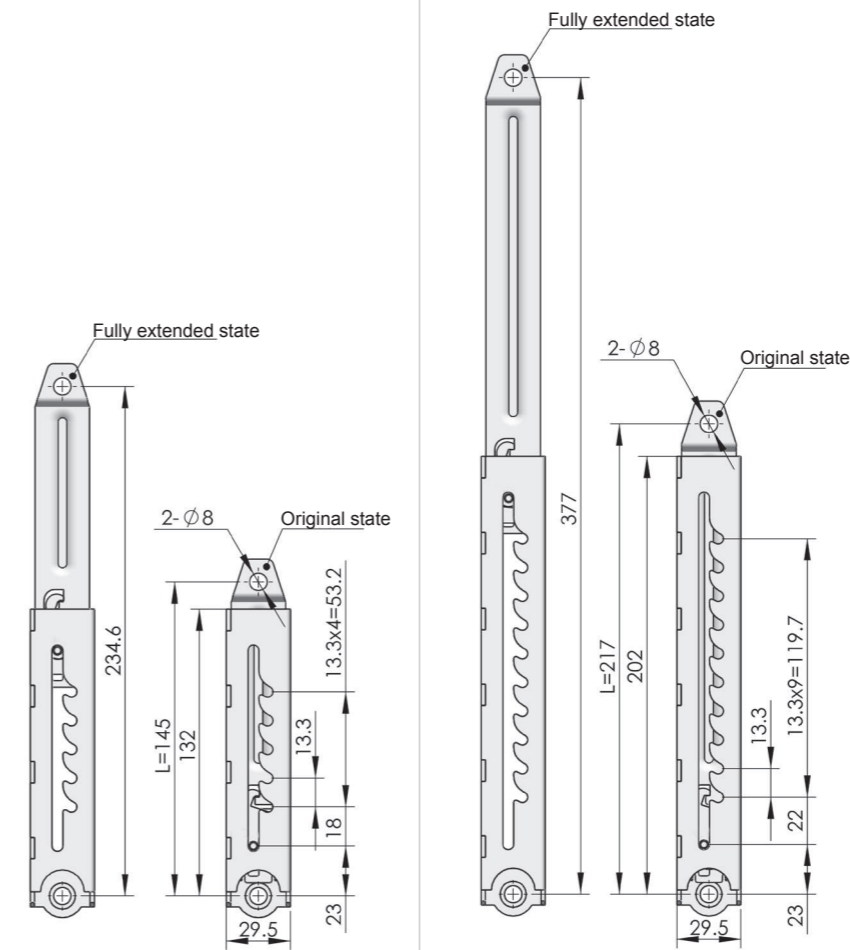
Main material and finish: Bright chrome plated steel body, bright chrome plated steel body, locking screw and ZDC knob



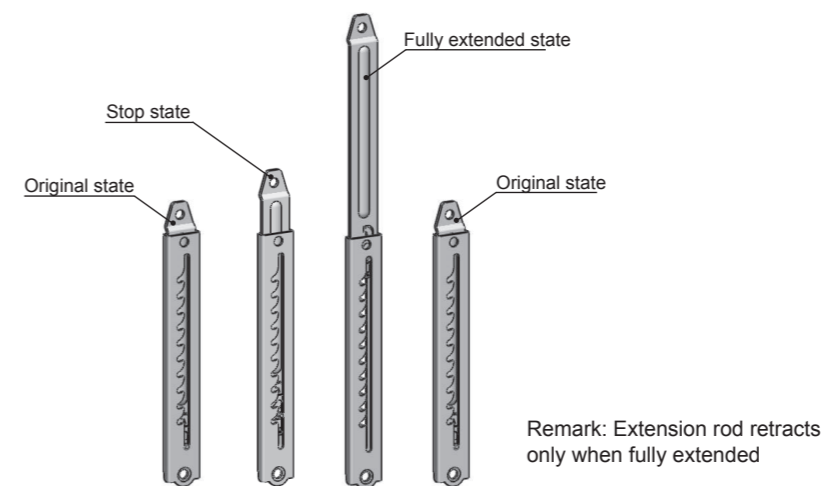
ERP TX100F3A001

TX101-1

TX101-2



Different states of telescopic cover stay

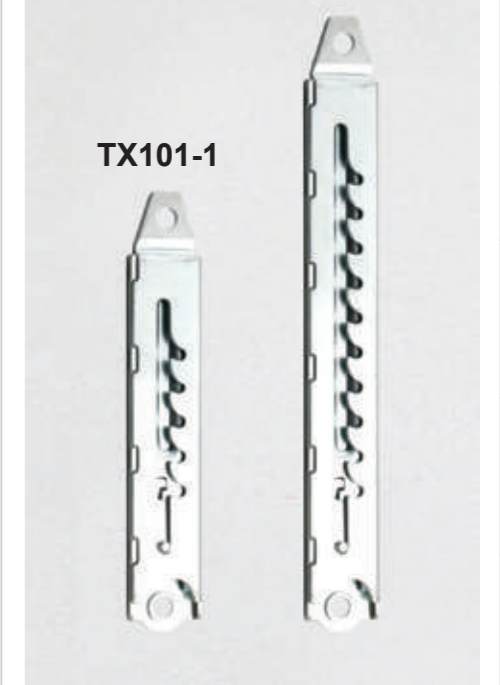


Remark: Extension rod retracts only when fully extended

Specification	Model	ERP
L=145	TX101-1	TX101F3D001
L=217	TX101-2	TX101F3D002

TX101-2

TX101-1



Main material and finish: Zinc plated steel

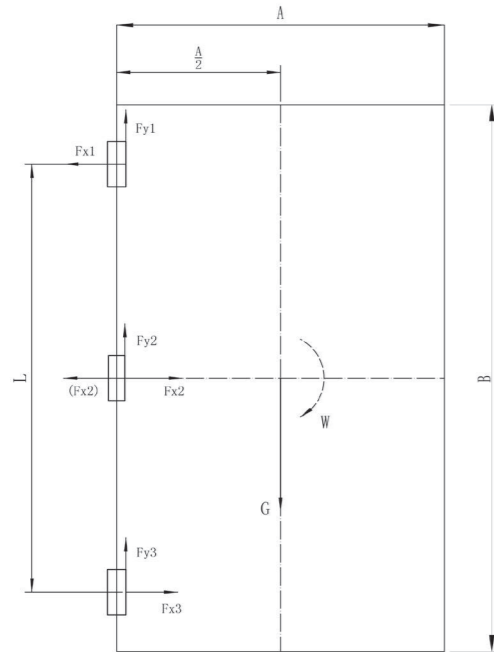
Application: Automatic multiple stops and release in the end position

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

HINGE SERIES

Hinge calculation instructions



Hinge calculation formula :

No. of hinge=n, door width = A; door height = B; door weight = G; hinge installation distance = L

Axial force Fy analysis:

$$F_y = G * 1/n$$

That is, $F_{y1} + F_{y2} + F_{y3} = G$ $F_{y1} = F_{y2} = F_{y3} = G/n$

Radial force Fx analysis:

As pic shows, F_{x2} and center door weight G at the same height position,

This horizontal force is not applied to the center hinge $F = 0$;

$$\text{So: } F_{x2} = 0$$

$$W = G * A/2 = L * F_x$$

$$F_x = F_{x1} = F_{x3}$$

$$F_{x1} = F_{x3} = G * A/2 L$$

Remarks: while Selection, every hinge can support bearing door weight; in static conditions, the selection can be based on catalog data; Above for the theoretical calculation formula;

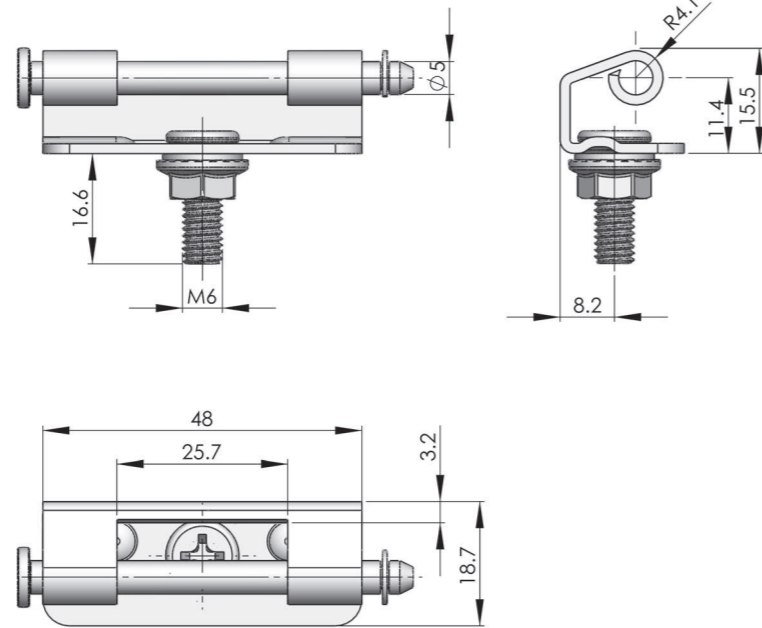
CL103	CL104	CL105	CL106	CL108	CL109	CL111-2	CL115	CL116	CL117	CL119
CL121	CL123	CL124	CL125	CL126	CL127	CL128	CL132	CL133	CL135	CL137
CL138	CL139	CL142	CL145	CL148	CL150	CL152	CL152-2	CL154	CL156	CL158
CL158-2	CL163	CL167	CL173	CL178	CL201-1	CL202-1	CL203-1	CL203-2	CL203-4	CL204-1
CL204-3	CL204-3S	CL204-3F	CL205-1	CL206-1	CL207	CL208	CL210	CL209	CL211	CL212
CL213-1	CL214	CL215	CL218	CL219	CL220	CL221	CL222	CL223	CL225-3	CL225-5
CL226	CL226-1K	CL226-8	CL228	CL229-2A	CL230	CL231-1	CL232	CL233	CL234	CL235
CL237	CL237-3	CL238	CL240-1	CL244	CL246	CL247	CL248	CL249	CL250-1	CL250-6
CL251	CL253-1	CL253-2	CL253-5	CL253-6	CL253-9	CL253-10	CL254	CL257	CL260	CL261
CL263	CL264	CL266	CL268	CL269	CL272	CL273	CL274	CL275-1	CL276	CL280
CL281	CL282-1	CL283	CL289	CL290	CL293	CL295	CL296	CL297	CL331	CL332

CL103



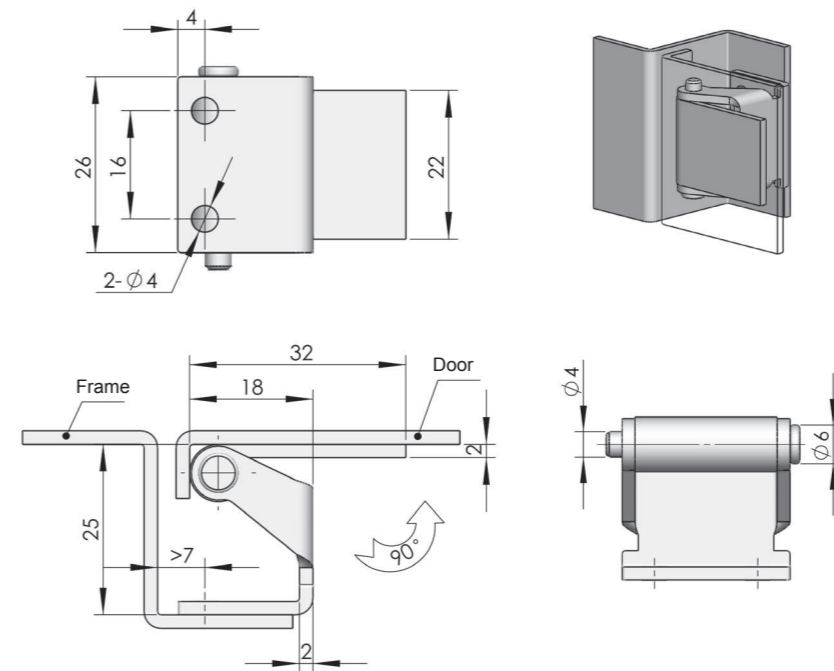
Main material and finish: steel hinge and pin
Finish: yellow zinc plated

Performance parameter:
Maximum static load
Radial load: 310N
Axial load: 155N



ERP

CL103F3C001



ERP

CL105F3D001

CL105



Main material and finish: White zinc plated steel hinge and pin
Application: Opening angle 180°

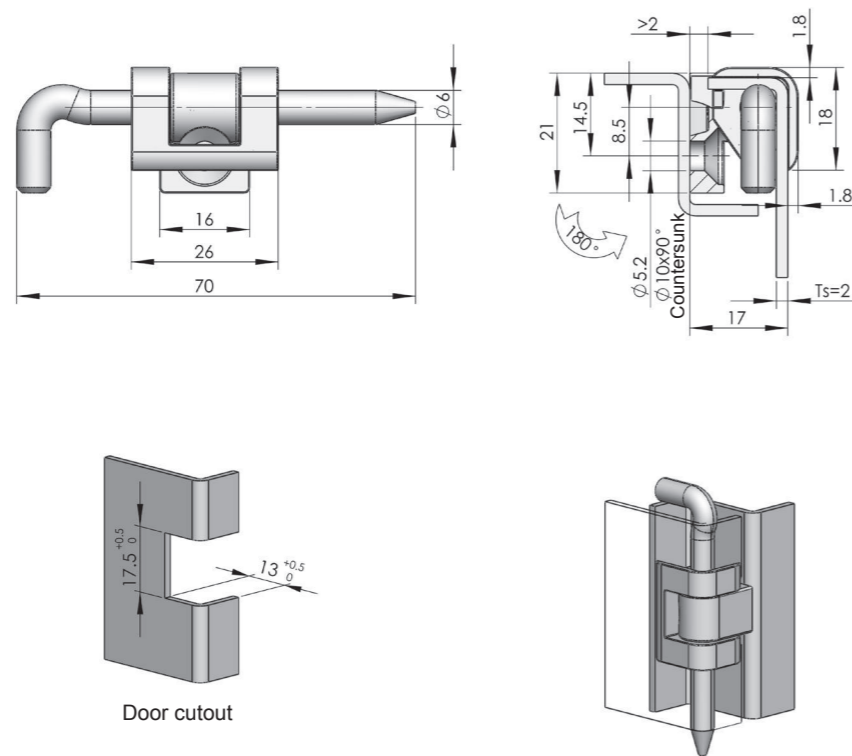
Performance parameter:
Maximum static load
Radial load: 60N
Axial load: 120N

CL104



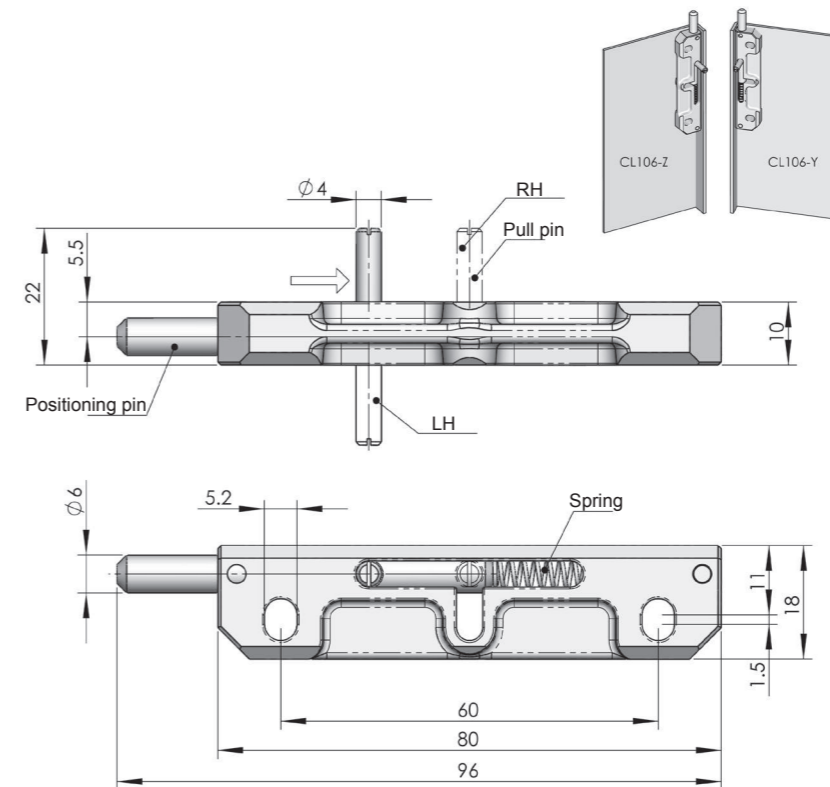
Main material and finish: Black powder coated ZDC hinge and stainless steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 405N
Axial load: 805N



ERP

CL104Z1A001



ERP

CL106Z3I001

CL106



Main material and finish: Sand-spraying and nickel plated ZDC hinge, stainless steel shaft and spring
Application: By changing the direction of pin to realise the shift between LH and RH

Performance parameter:
Maximum static load
Radial load: /N
Axial load: 645N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

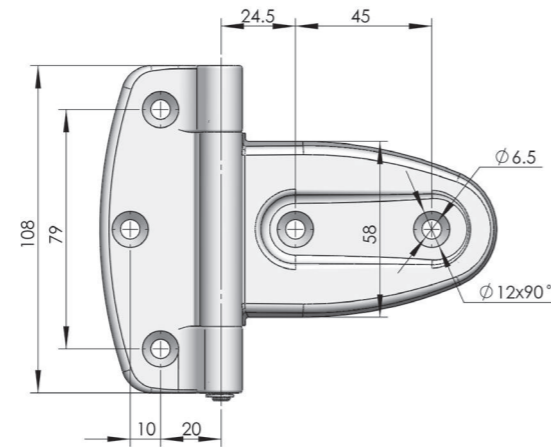
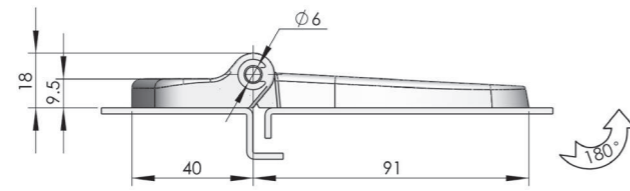
Seal gasket

CL108



Main material and finish: Black PA hinge, and nickel plated stainless steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 800N
Axial load: 600N



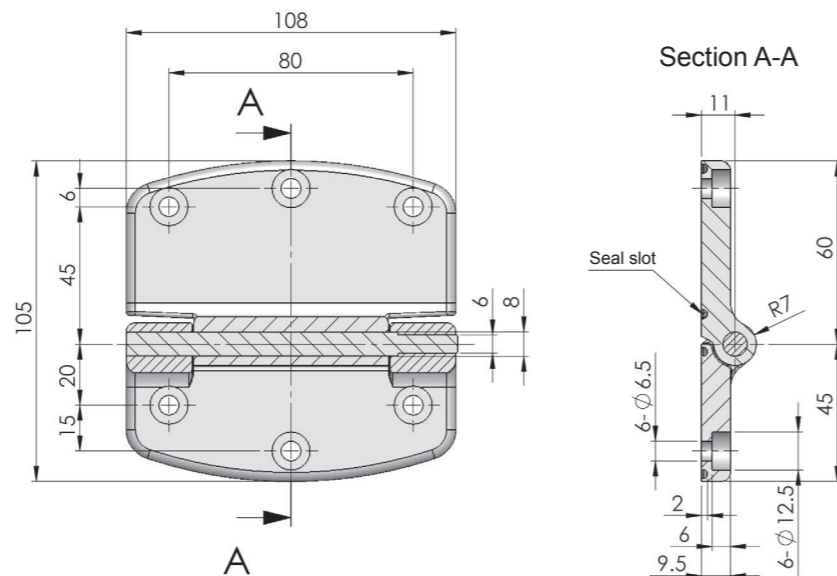
ERP CL108N00001

CL108-2



Main material and finish: steel hinge
Finish: black powder coated
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N

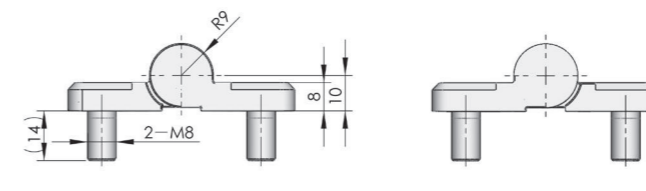


ERP CL108F1A001

CL109

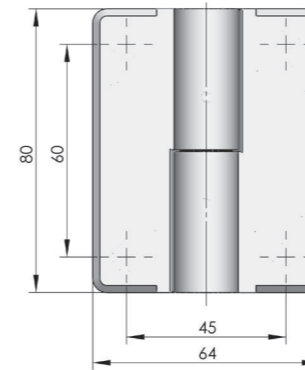


Performance parameter:
Maximum static load
Radial load: 2500N
Axial load: 2500N



CL109-R Right

CL109-L Left



ERP

CL109-Z Left hinge

CL109Z1A002

CL109-Y Right hinge

CL109Z1A001

LH

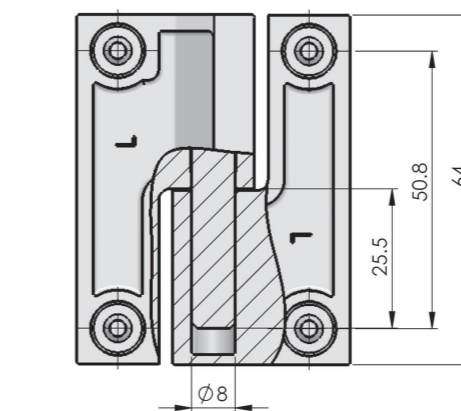
RH

CL109-2



Main material and finish: ZDC hinge, stainless steel pin, PTFE gasket
Finish: black powder coated

Performance parameter:
Maximum static load
Radial load: 1800N
Axial load: 1600N



ERP

CL109Z1B001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

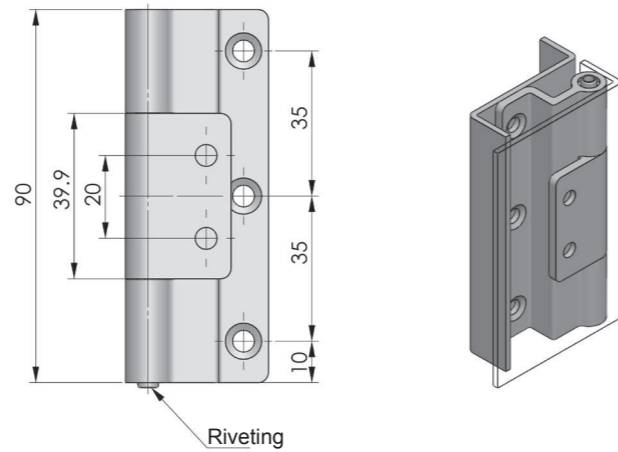
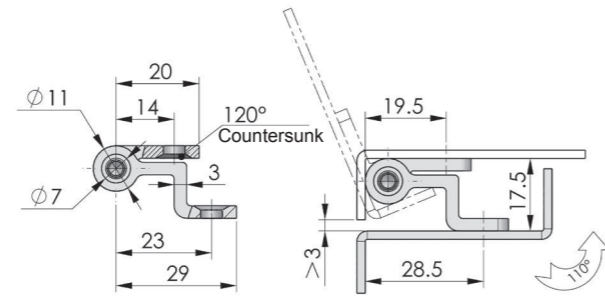


CL111

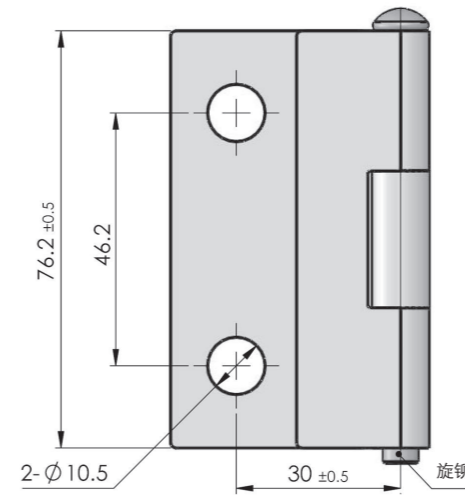
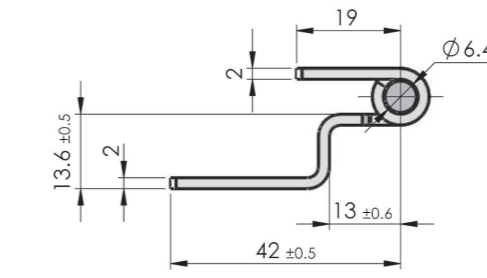


Main material and finish: White zinc plated ZDC hinge and stainless steel pin
Application: When the gap between door and frame is 3mm, opening angle 110°

Performance parameter:
Maximum static load
Radial load: 775N
Axial load: 1000N



ERP CL111Z3D001



ERP CL111F00004



CL111-3-1D



Main material and finish: steel hinge, stainless steel pin
Application: opening angle 180°
Finish:soak anti-rust oil

Performance parameter:
Maximum static load
Radial load: 450N
Axial load: 2000N

NEW

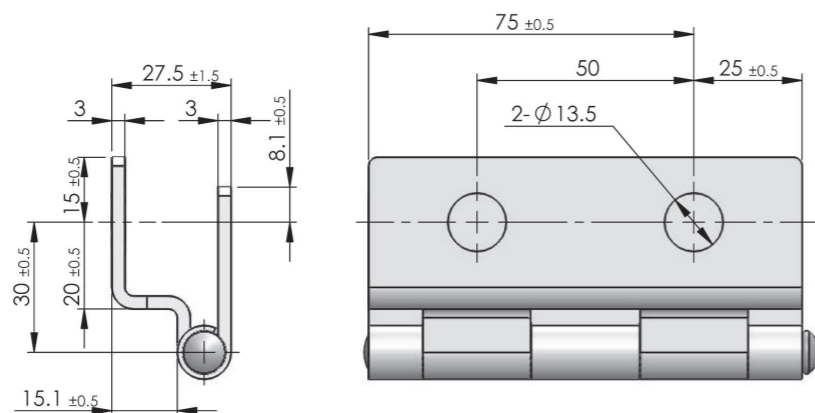


CL111-2

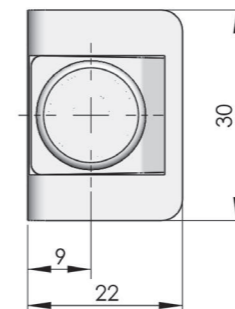
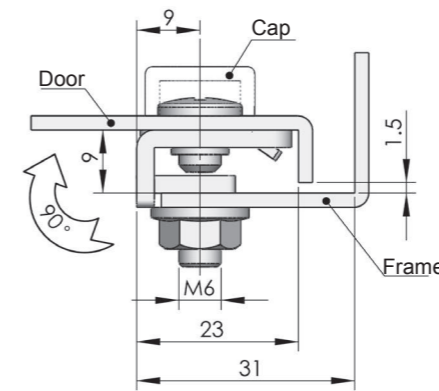


Main material and finish: steel hinge, stainless steel pin
Application: opening angle 180°
Finish:soak anti-rust oil

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 2000N



ERP CL111F00001



ERP CL114F3D001



CL114



Main material and finish: White zinc plated steel hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 110N
Axial load: 105N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

NEW

CL115



Main material and finish: Mirror polishing stainless steel hinge

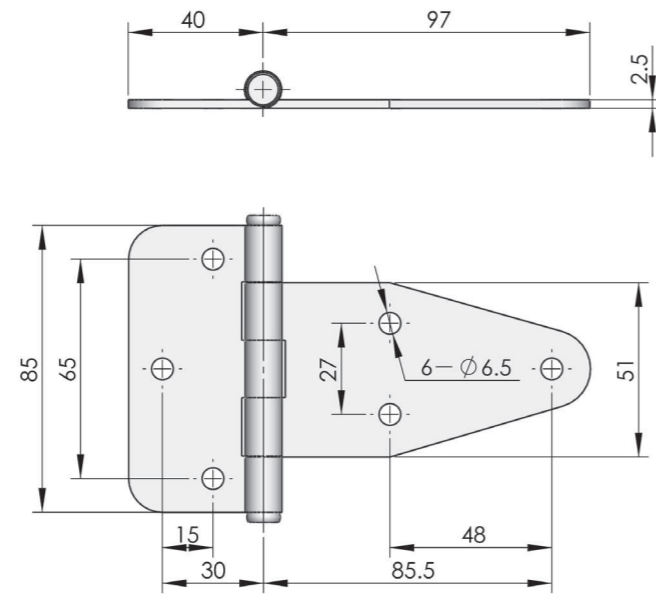
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 530N

Axial load: 800N



ERP CL115S4A001

CL116



Main material and finish: Black powder coated ZDC hinge and steel shaft

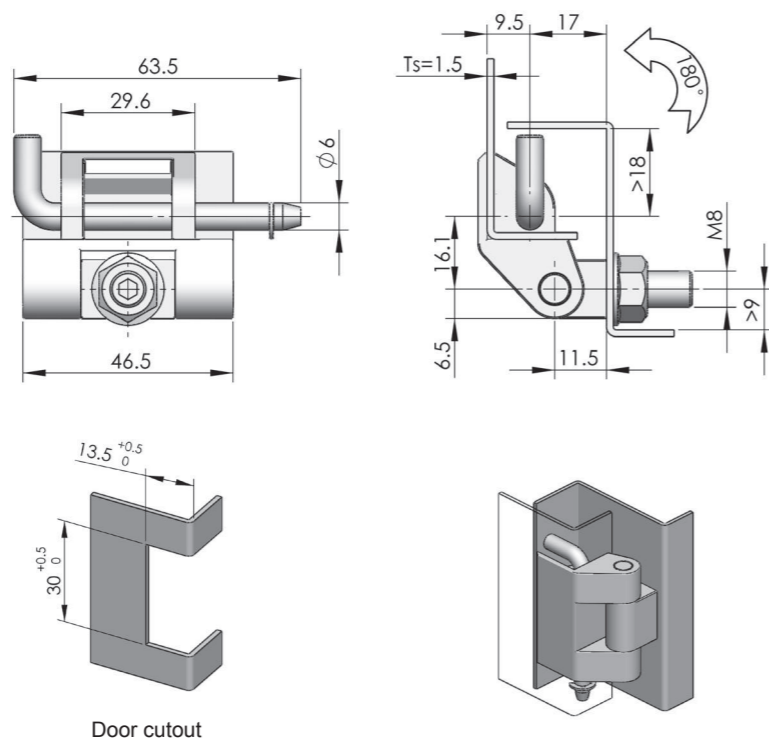
Application: Opening angle 180°

Performance parameter:

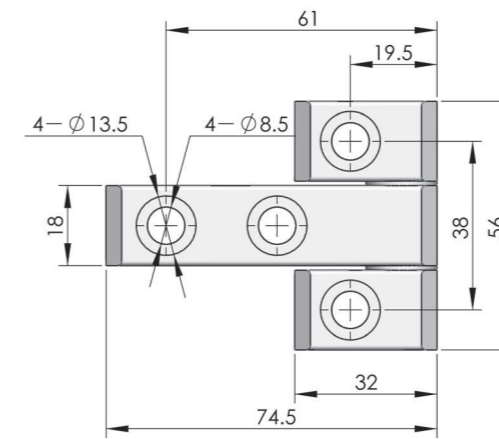
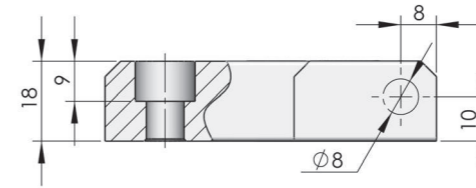
Maximum static load

Radial load: 1000N

Axial load: 450N



ERP CL116Z1A001



ERP CL117F3D001

CL117



Main material and finish: White zinc-plated steel hinge and shaft

Performance parameter:

Maximum static load

Radial load: 3000N

Axial load: 3000N

CL119



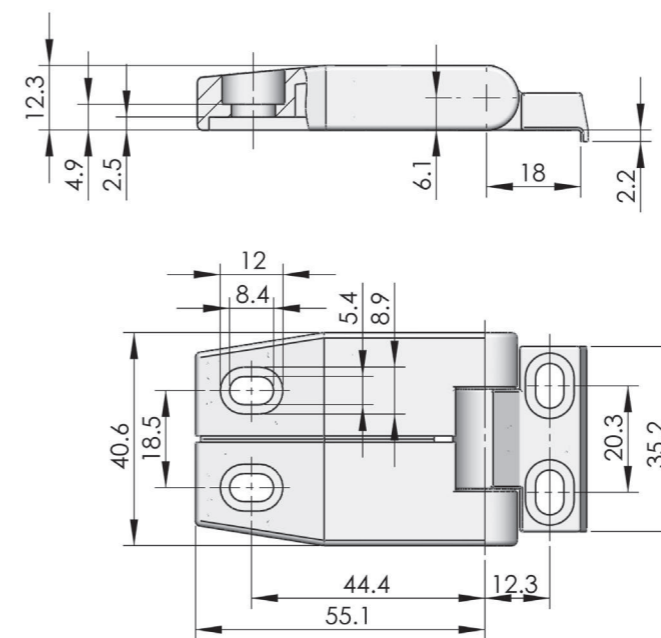
Main material and finish: Black powder coated ZDC hinge and nickle-plated steel shaft

Performance parameter:

Maximum static load

Radial load: 280N

Axial load: 930N



ERP CL119Z1B001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

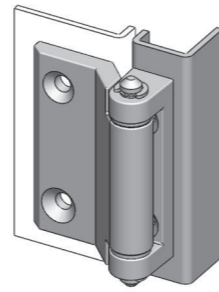
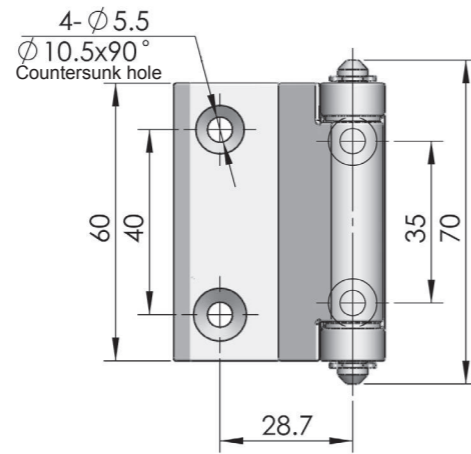
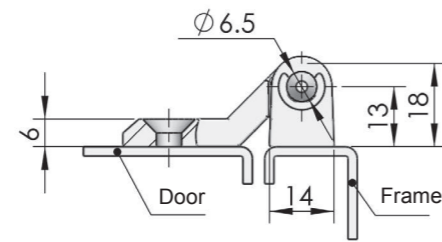
CL121



Main material and finish: Black powder coated ZDC hinge and white zinc plated steel pin

Performance parameter:

Maximum static load
Radial load: 980N
Axial load: 1500N



ERP

CL121Z1A001

CL125

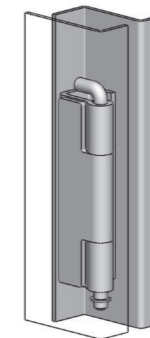
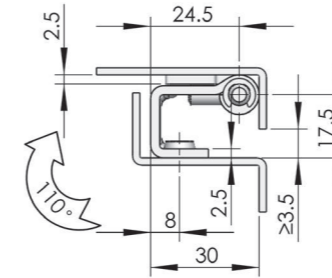
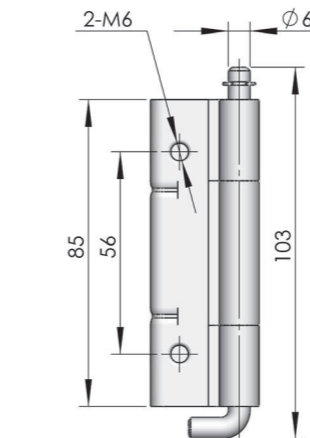


Main material and finish: White zinc-plated steel hinge and pin

Application: Opening angle 110°

Performance parameter:

Maximum static load
Radial load: 450N
Axial load: 850N



ERP

CL125F3D001

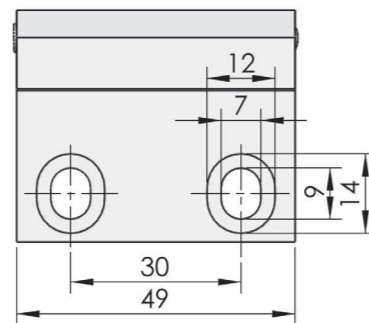
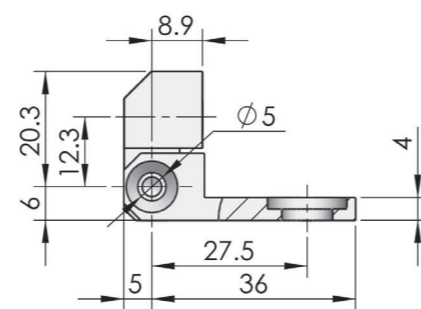
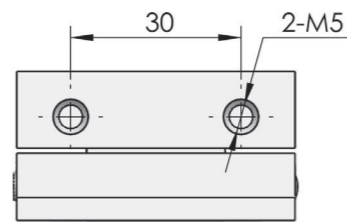
CL123



Main material and finish: Black powder coated aluminum alloy hinge and nickel-plated steel shaft

Performance parameter:

Maximum static load
Radial load: 1200N
Axial load: 1500N



ERP

CL123A1A001

CL126

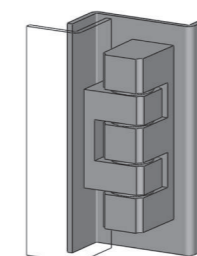
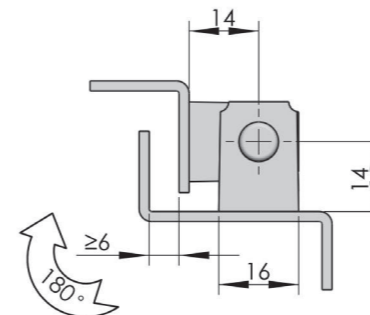
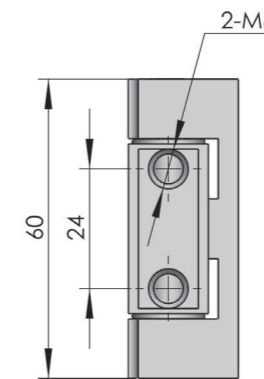
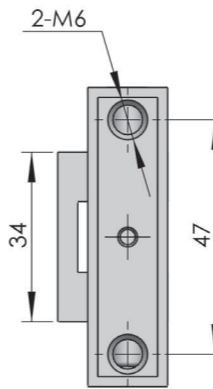


Main material and finish: Bright chrome-plated ZDC hinge and nickel-plated steel shaft

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1290N
Axial load: 1600N



ERP

CL126F3A001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

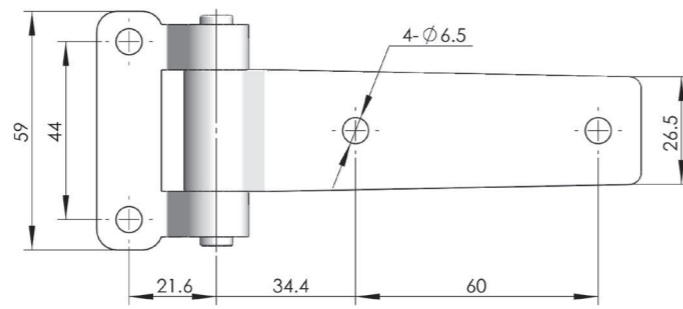
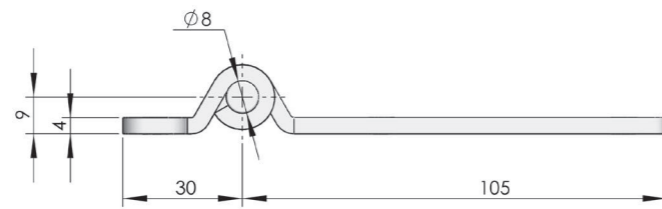
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL127-1
CL127-2



Main material and finish: Mirror polishing stainless steel hinge and pin
Application: Opening angle 180°

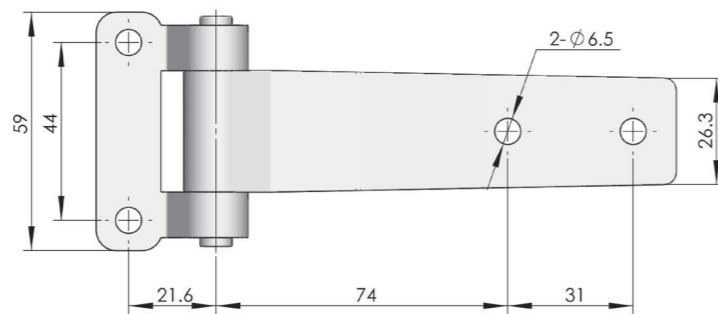
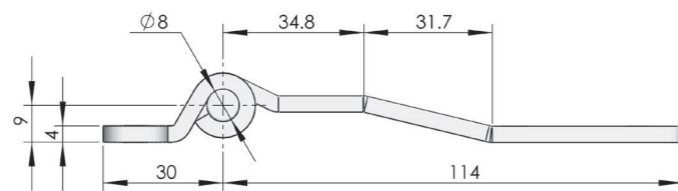
Performance parameter:
Maximum static load
Radial load: 3145N
Axial load: 3000N



CL127-1

ERP

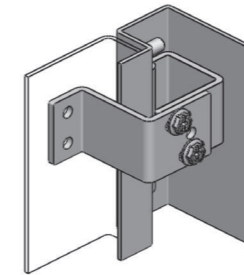
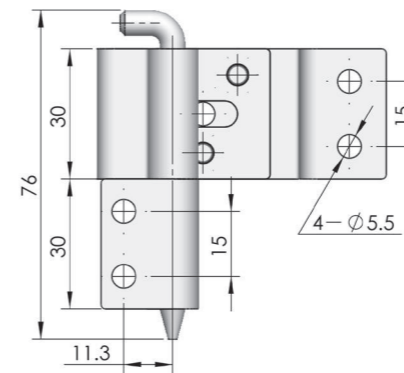
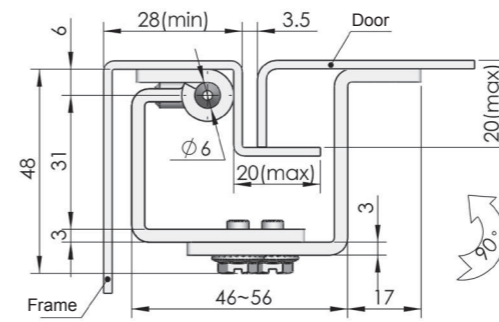
CL127S4A002



CL127-2

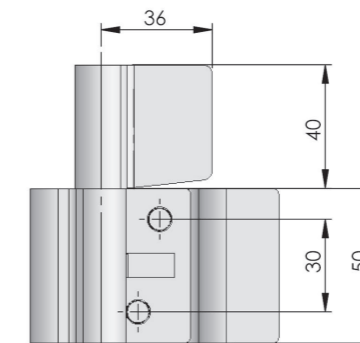
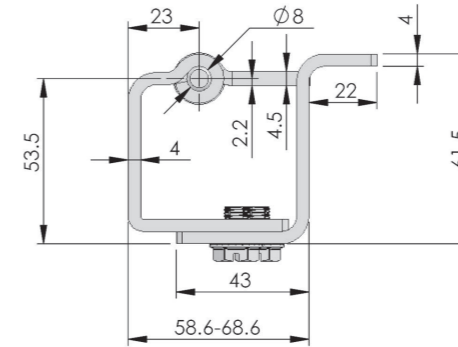
ERP

CL127S4A003



ERP

CL128F3D001



ERP

CL128F3D004

CL128



Main material and finish: White zinc plated steel hinge and pin
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 160N
Axial load: 140N

CL128-2



Main material and finish: White zinc plated steel hinge and pin

Performance parameter:
Maximum static load
Radial load: 375N
Axial load: 305N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

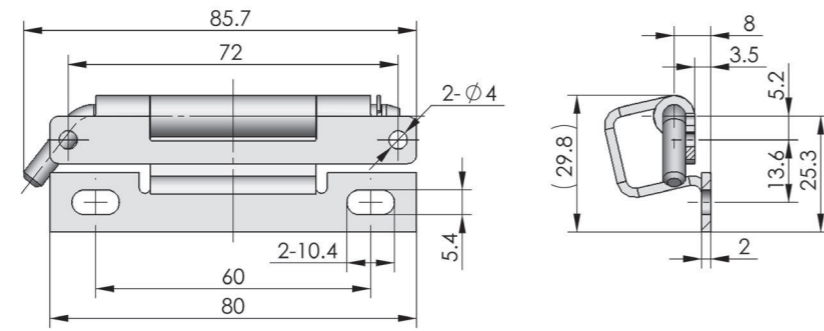


CL129



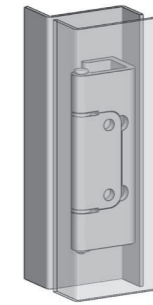
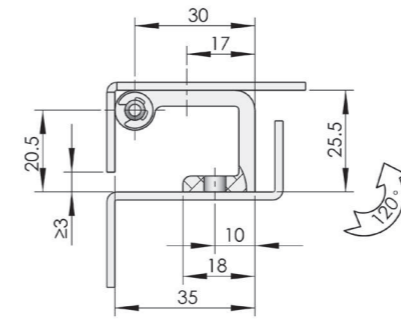
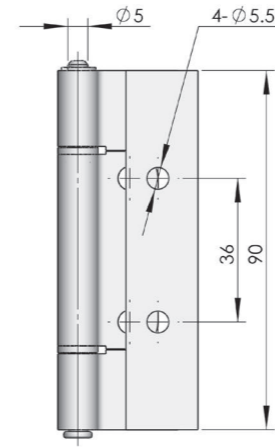
Main material and finish: steel
Finish: zinc plated

Performance parameter:
Maximum static load
Radial load: 180N
Axial load: 250N



ERP

CL129F3D001



ERP

CL132A4D001



CL132



Main material and finish: Sand-spraying aluminum alloy hinge, stainless steel pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 800N
Axial load: 425N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

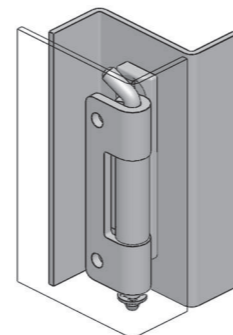
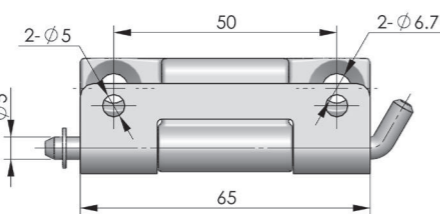
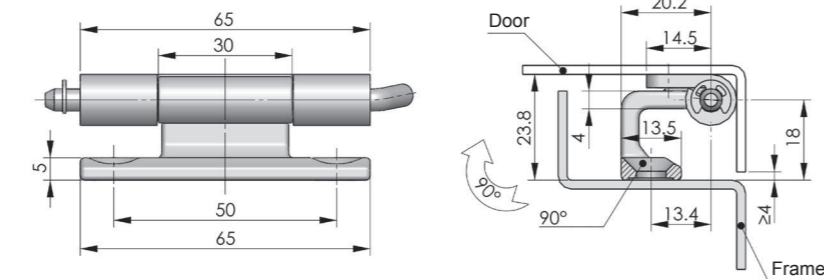


CL130-2



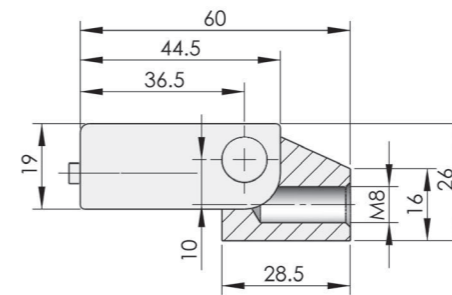
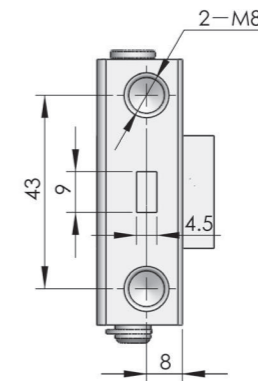
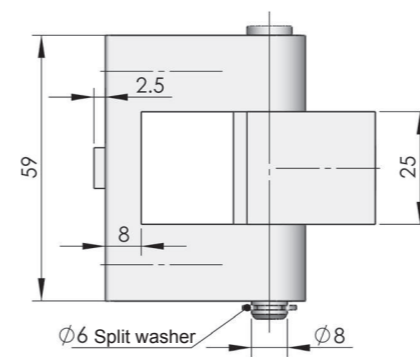
Main material and finish: White zinc plated steel hinge and pin
Application: When the gap between door and frame is 2mm, opening angle 90°

Performance parameter:
Maximum static load
Radial load: 1125N
Axial load: 1320N



ERP

CL130F3D001



ERP

CL133F3D001



CL133



Main material and finish: White zinc-plated steel hinge leaf and shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1450N
Axial load: 2000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

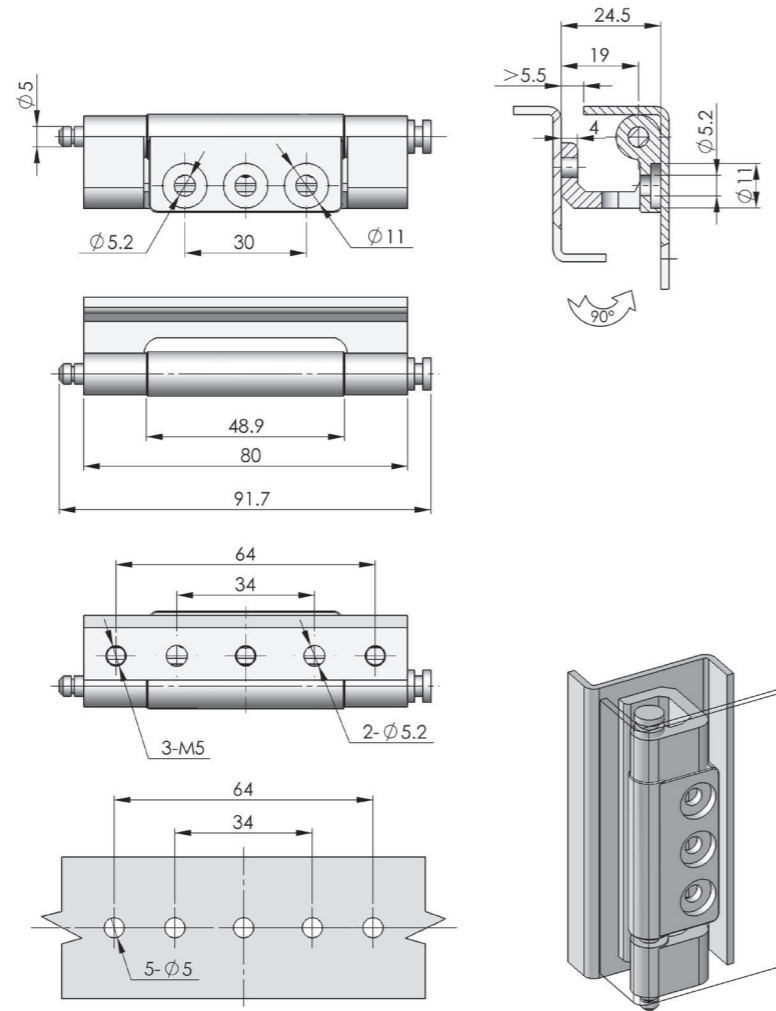


CL132-2



Main material and finish: Electrolytic stainless steel hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 465N
Axial load: 650N



ERP CL132S9C001

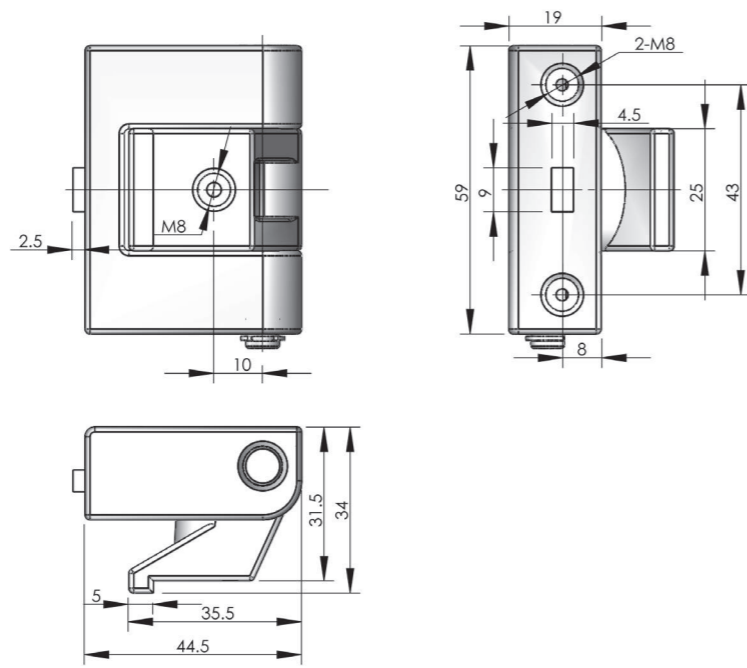


CL133-2



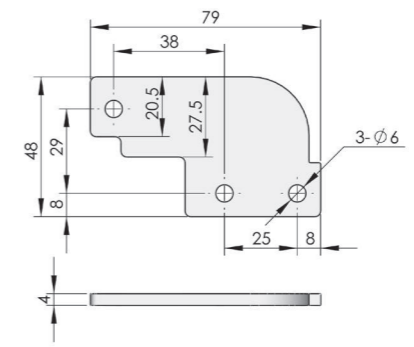
Main material and finish: Color zinc-plated ZDC hinge and pin
Application: Opening angle 115°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 720N



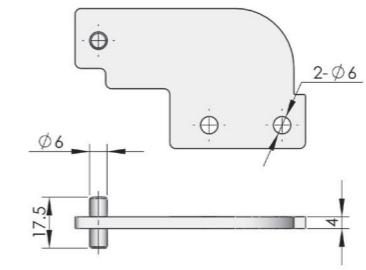
ERP CL133Z3C001

CL135-1



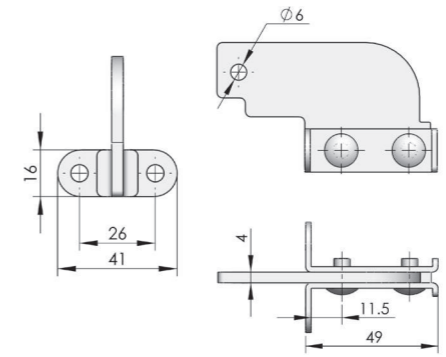
ERP CL135F2A001

CL135-2



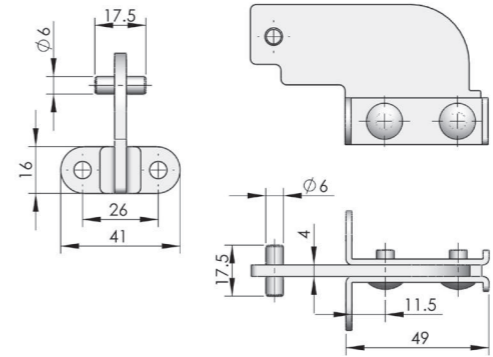
ERP CL135F2A002

CL135-3



ERP CL135F2A003

CL135-4



ERP CL135F2A004



CL135



Main material and finish: Black painted steel hinge

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL137

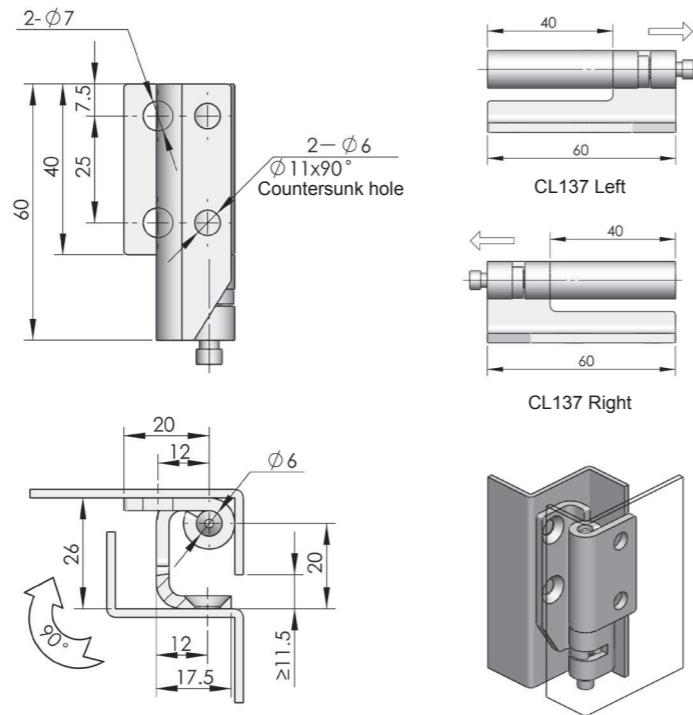


Main material and finish: White zinc-plated steel hinge and pin

Application: Opening angle 135°

Performance parameter:

Maximum static load
Radial load: 520N
Axial load: 375N



	CL137-Z Left hinge	CL137-Y Right hinge
ERP	CL137F3D001	CL137F3D002

CL138

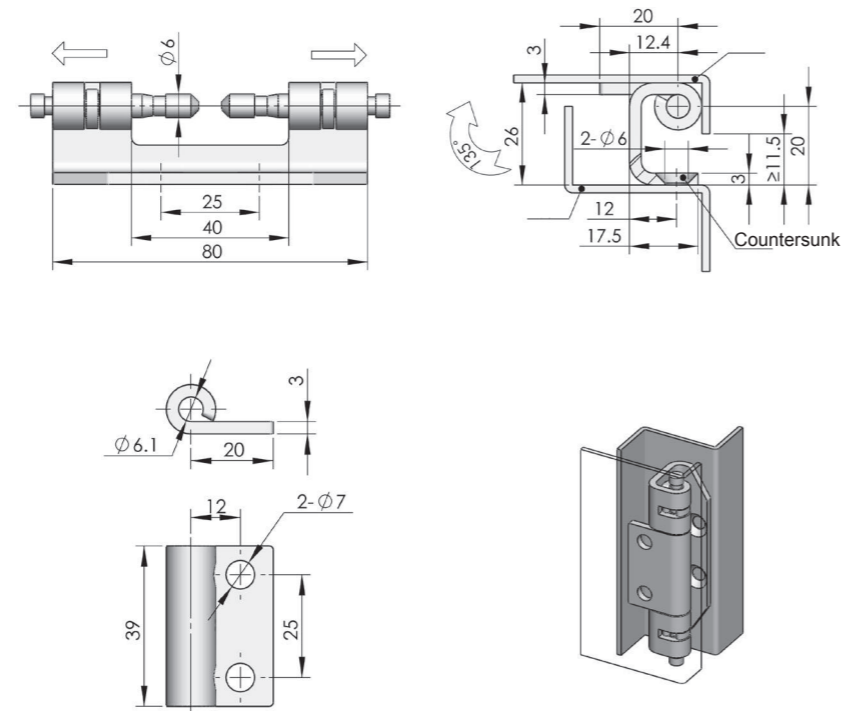


Main material and finish: White zinc-plated steel hinge and pin

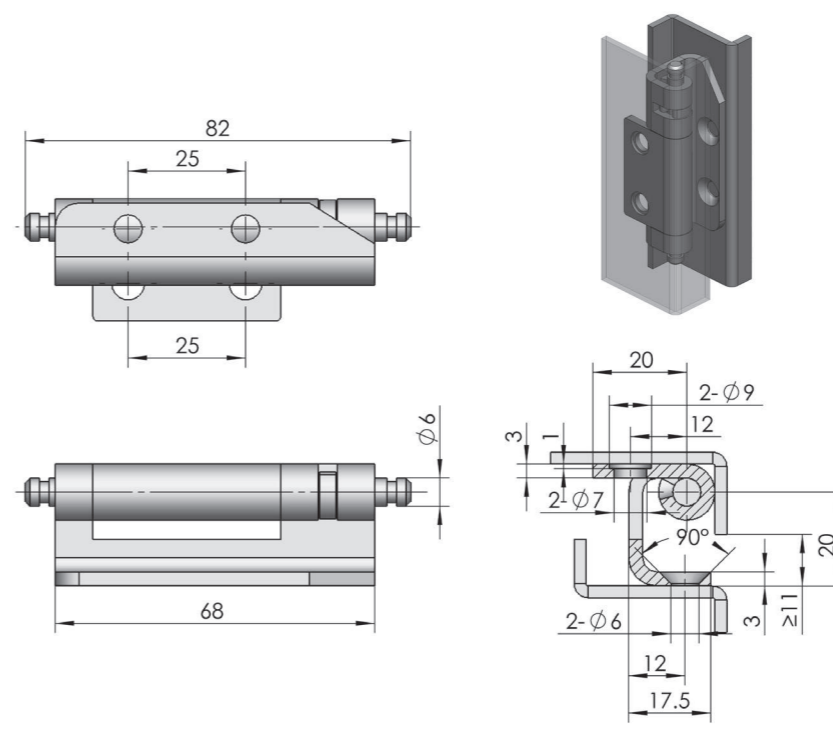
Application: Opening angle 135°

Performance parameter:

Maximum static load
Radial load: 690N
Axial load: 630N



ERP	CL138F3D001
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	CL138-3-Z	CL138-3-Y
ERP	CL138F3D004	CL138F3D005

CL138-3



Main material and finish: Trivalent white zinc plated steel hinge and pin

Application: Opening angle 90°

Performance parameter:

Maximum static load
Radial load: 385N
Axial load: 600N

CL139

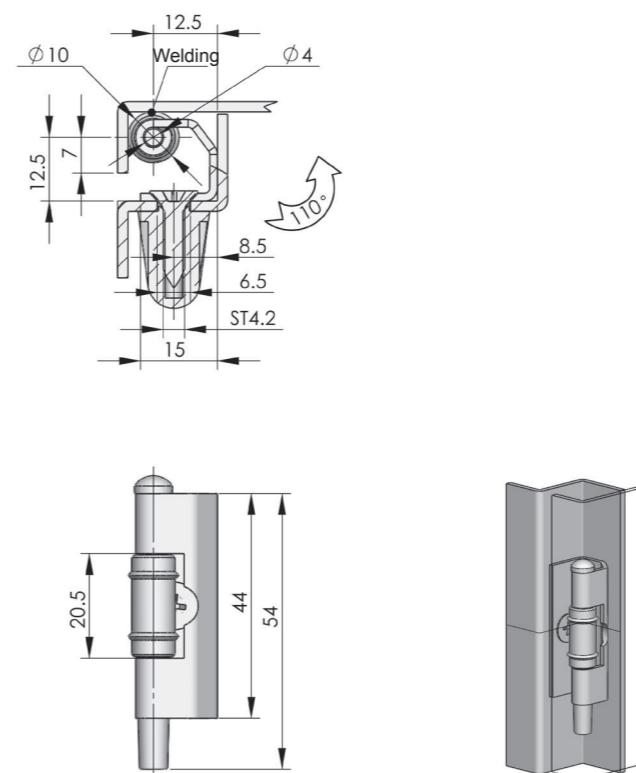


Main material and finish: White zinc plated steel hinge and pin

Application: Opening angle 135°

Performance parameter:

Maximum static load
Radial load: 215N
Axial load: 195N



ERP	CL139F3D001
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CL142



Main material and finish: Mirror polishing stainless steel hinge

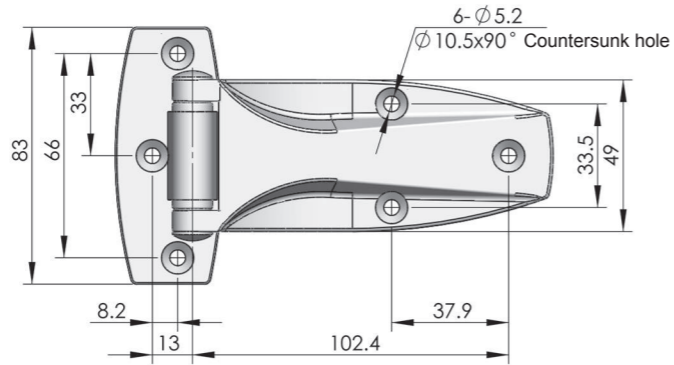
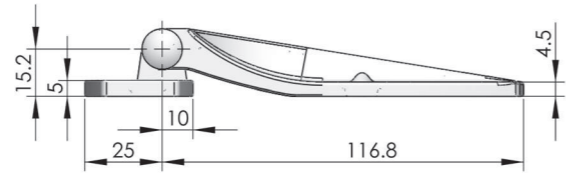
Application: Opening angle 135°

Performance parameter:

Maximum static load

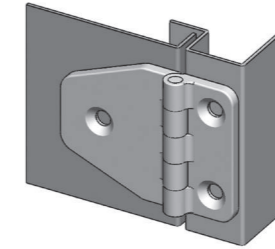
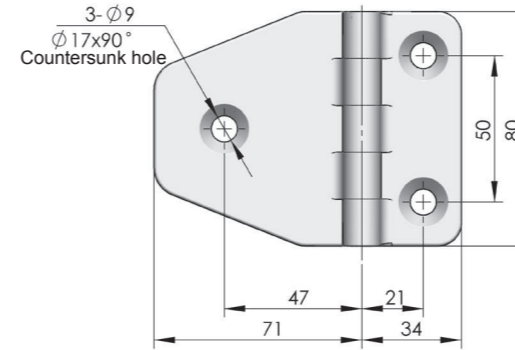
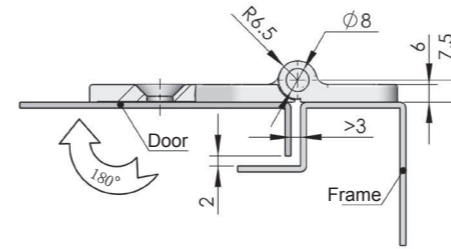
Radial load: 2170N

Axial load: 3000N



ERP

CL142S4A001



ERP

CL148N00001

CL148



Main material and finish: White zinc-plated steel shaft, PA (black) hinge leaf

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 220N

Axial load: 450N

CL145



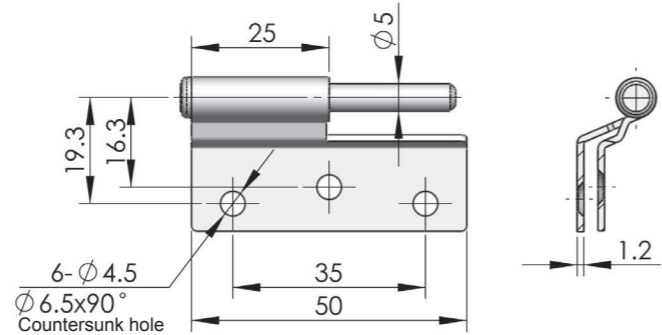
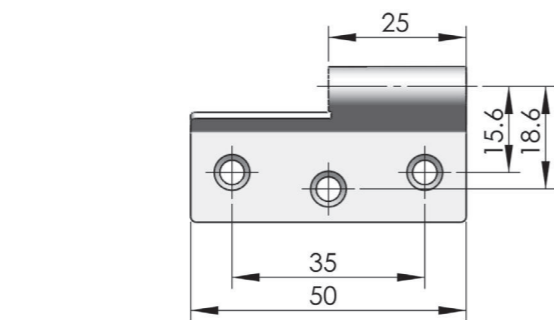
Main material and finish: White zinc-plated steel hinge leaf and shaft

Performance parameter:

Maximum static load

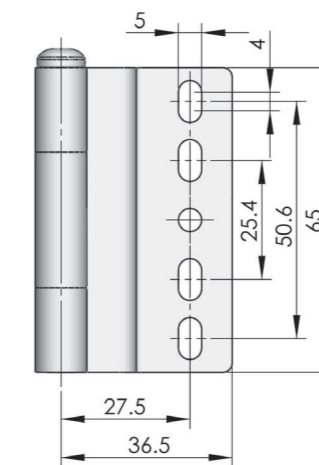
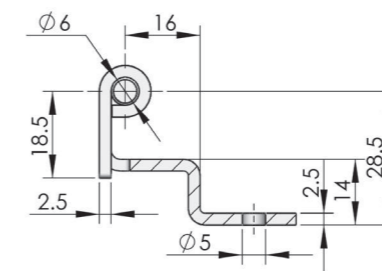
Radial load: 193N

Axial load: 455N



ERP

CL145F3D001



ERP

CL150F3D001

CL150



Main material and finish: White zinc plated steel hinge and shaft

Performance parameter:

Maximum static load

Radial load: 495N

Axial load: 545N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

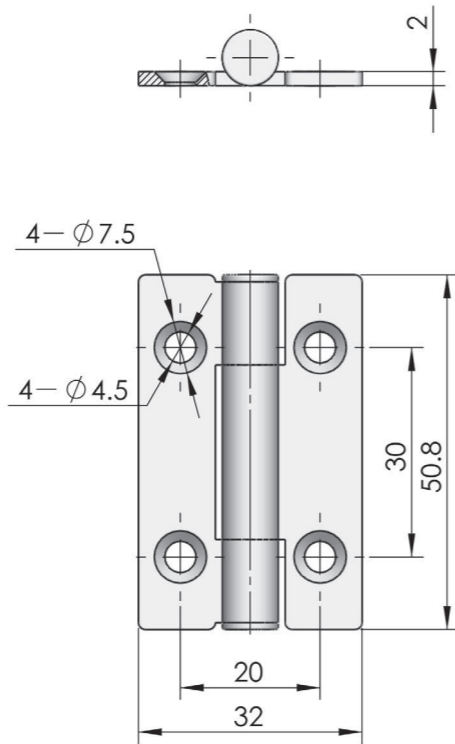
Seal gasket

CL152



Main material and finish: Electrolytic stainless steel hinge and pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 620N
Axial load: 1170N



ERP

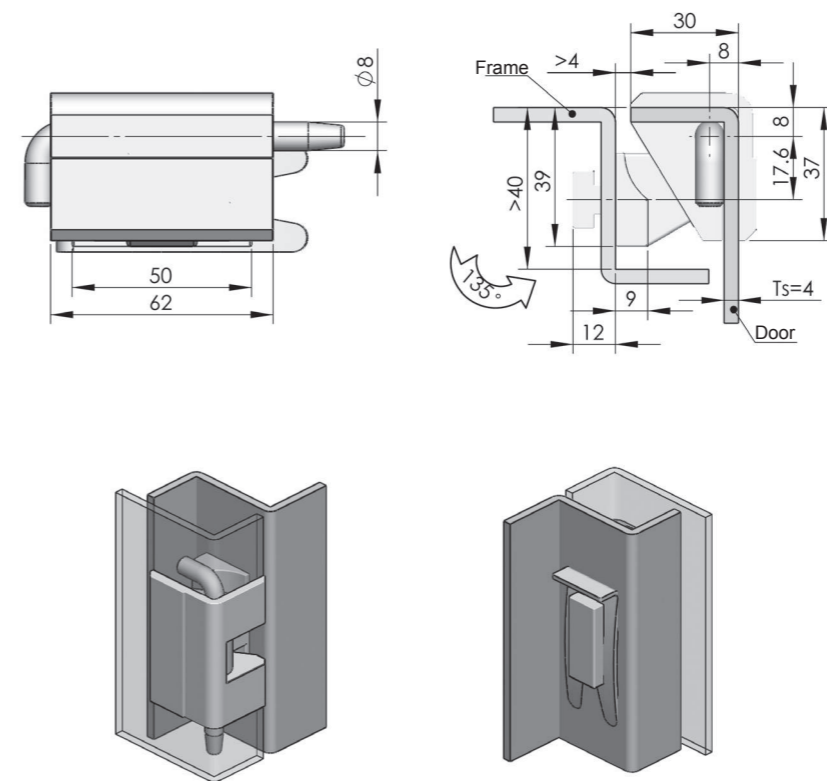
CL152S9C001

CL154

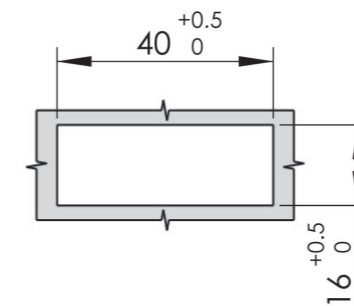


Main material and finish: Blue-gray (RAL 7012) powder coated ZDC hinge and stainless steel shaft
Application: Opening angle 135°

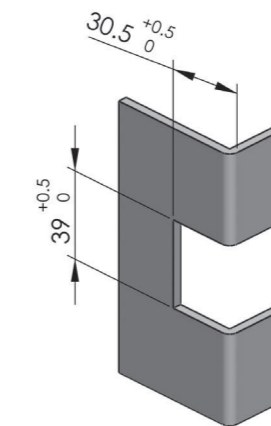
Performance parameter:
Maximum static load
Radial load: 2500N
Axial load: 2200N



Frame cutout



Door cutout



ERP

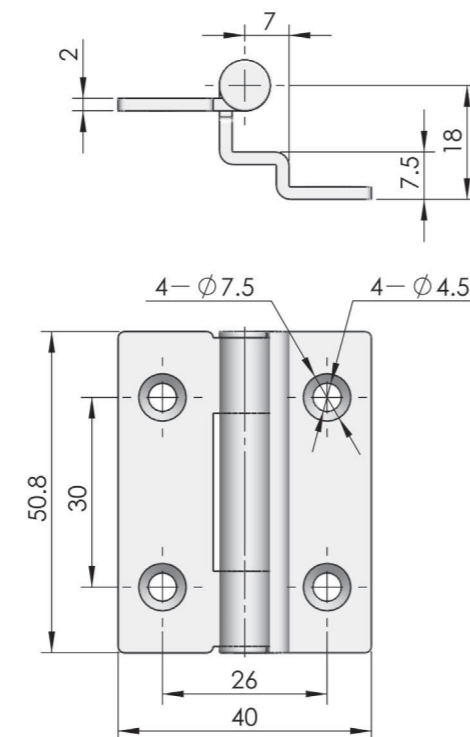
CL154ZXX001

CL152-2



Main material and finish: Electrolytic stainless steel hinge and shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 620N
Axial load: 1170N



ERP

CL152S9C002

CL154-3

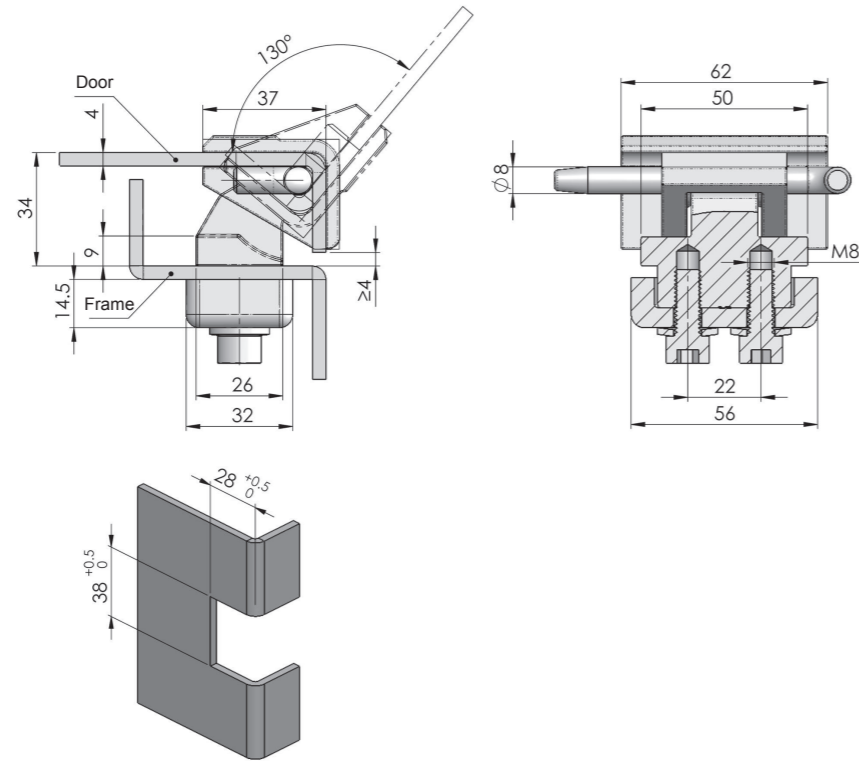


NEW



Main material and finish: ZDC hinge, stainless steel pin, steel board
Finish: RAL7012 powder coated
Application: Opening angle 130°

Performance parameter:
Maximum static load
Radial load: 2000N
Axial load: 2000N



ERP

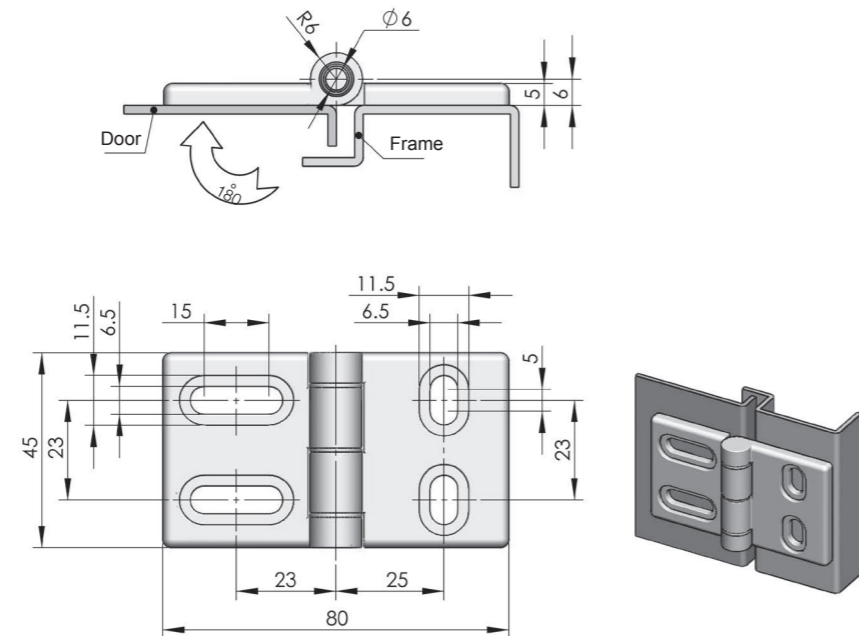
CL154Z1D002

CL156



Main material and finish: Sand-spraying aluminum alloy hinge, stainless steel shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 620N
Axial load: 365N



ERP

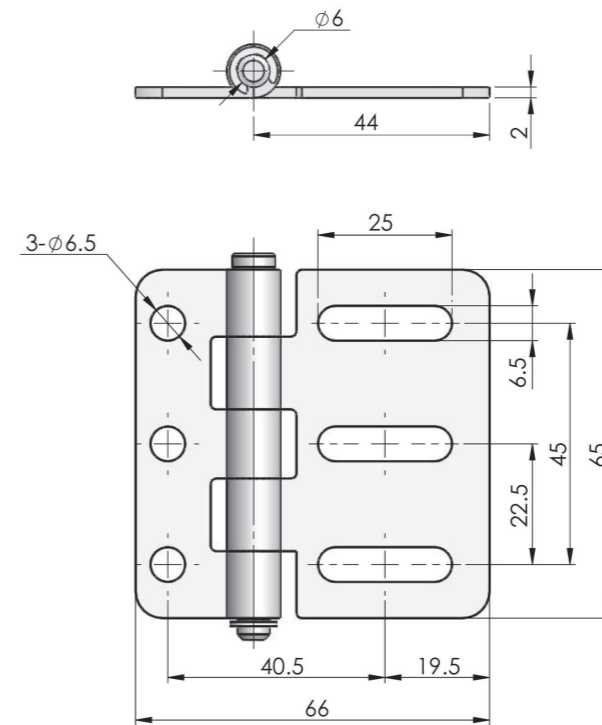
CL156A4D001

CL156-2



Main material and finish: stainless steel 304
Finish: mirror polishing
Application: Opening angle 90°
Type: exposed hinge

Performance parameter:
Maximum static load
Radial load: 350N
Axial load: 450N



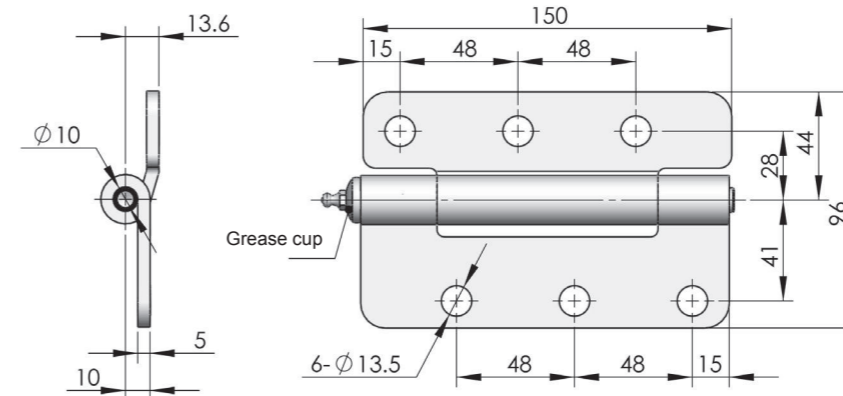
ERP

CL156S4A001

CL158



Main material and finish: White zinc-plated steel hinge leaf and shaft



ERP

CL158F3D001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

CL158-2



Main material and finish: Wiredrawing stainless steel hinge leaf, stainless steel shaft

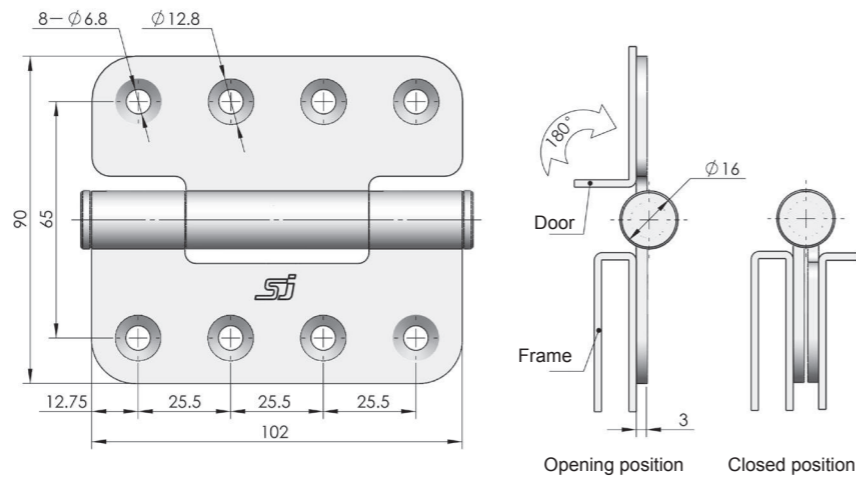
Application: Opening angle 180°

Performance parameter:

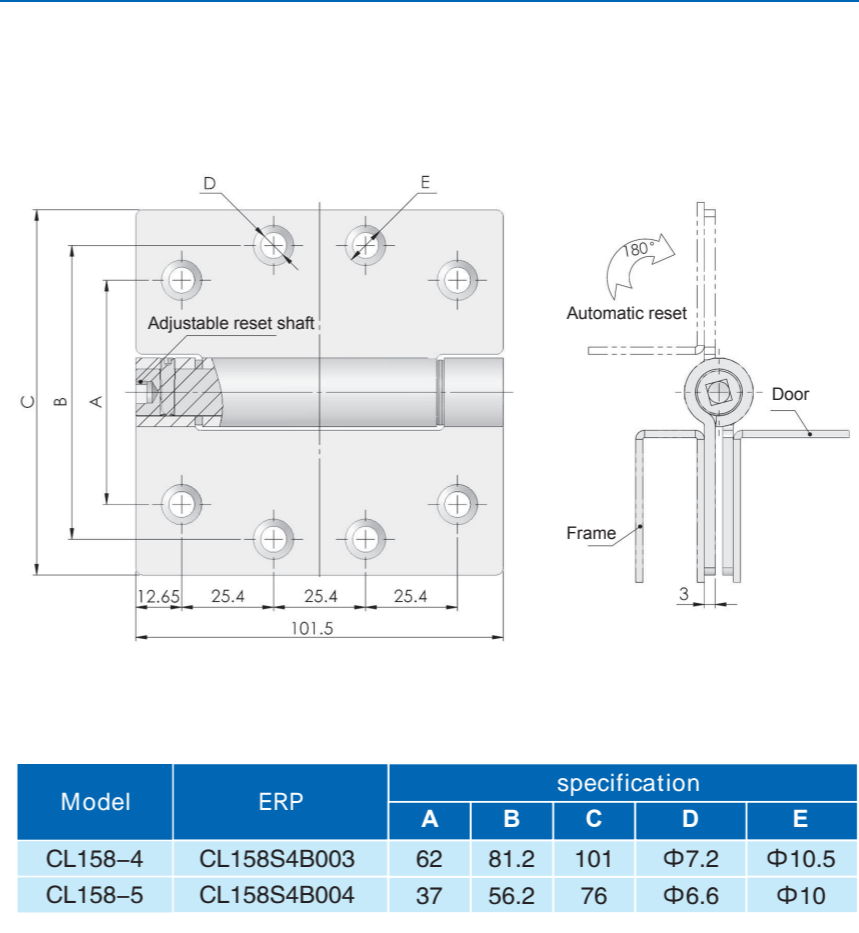
Maximum static load

Radial load: 1500N

Axial load: 1200N



ERP	CL158S4B001
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Model	ERP	specification				
		A	B	C	D	E
CL158-4	CL158S4B003	62	81.2	101	$\phi 7.2$	$\phi 10.5$
CL158-5	CL158S4B004	37	56.2	76	$\phi 6.6$	$\phi 10$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

CL158-4

CL158-5

Main material and finish: stainless steel hinge and pin
Finish: brushed polishing
Application: reset hinge, opening angle 180°
Performance parameter:
Reset torque 2N.m

Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL158-3

Main material and finish: stainless steel (brushed polishing) hinge, steel pin

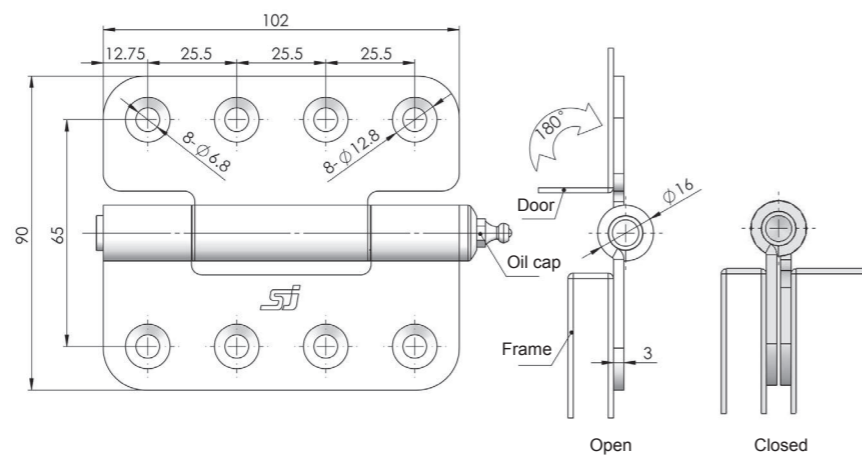
Application: Opening angle 180°

Performance parameter:

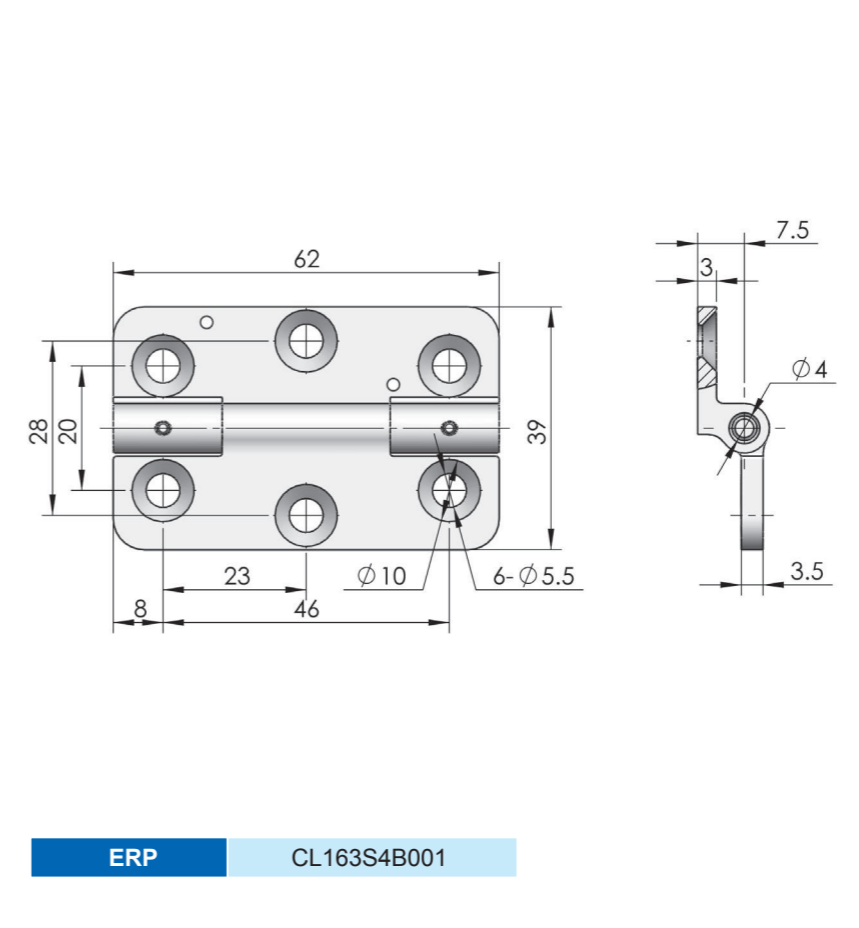
Maximum static load

Radial load: 1730N

Axial load: 2000N



ERP	CL158S4B002
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ERP	CL163S4B001
-----	-------------

Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL163

Main material and finish: Wiredrawing stainless steel hinge leaf and shaft

Performance parameter:

Maximum static load

Radial load: 1300N

Axial load: 1180N

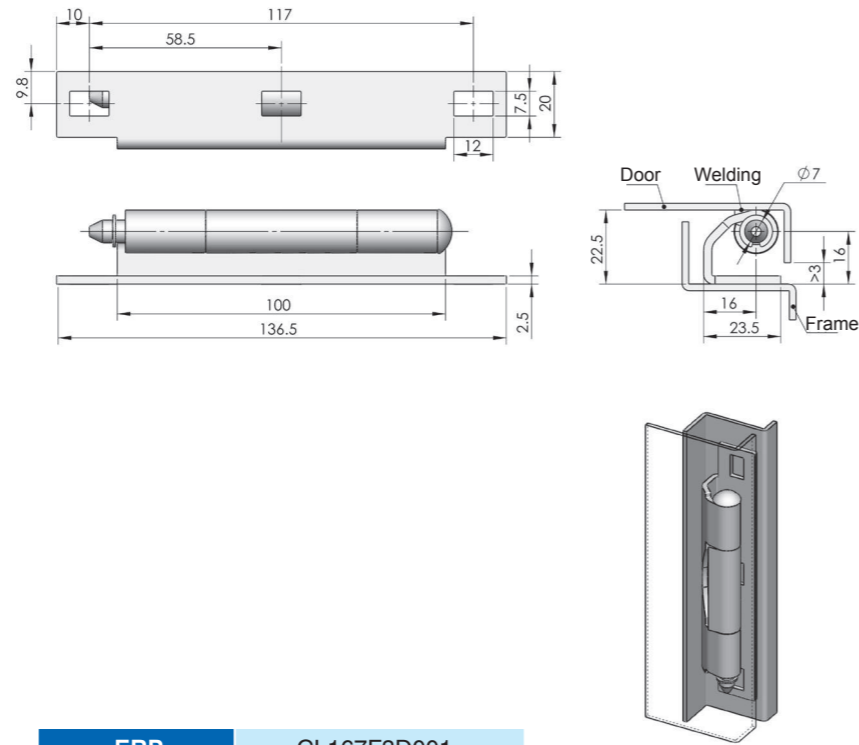
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL167

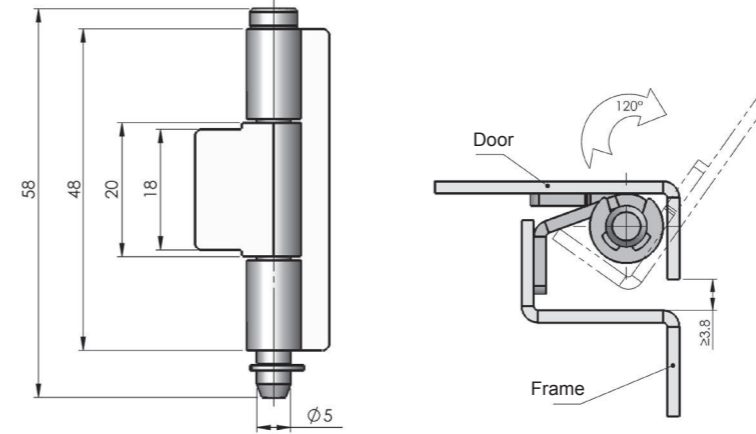
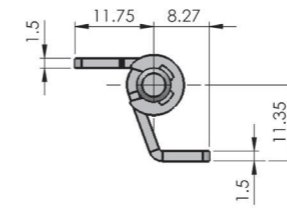


Main material and finish: White zinc-plated steel hinge leaf, white zinc-plated aluminium alloy shaft
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 210N
Axial load: 320N



ERP CL167F3D001



ERP CL168S4A001

CL168-2



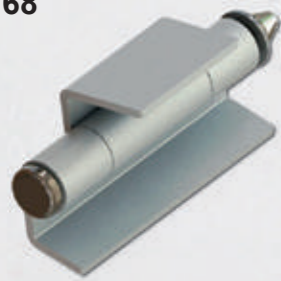
NEW



Main material and finish: stainless steel 304
Finish: mirror polishing
Application: Opening angle 120°

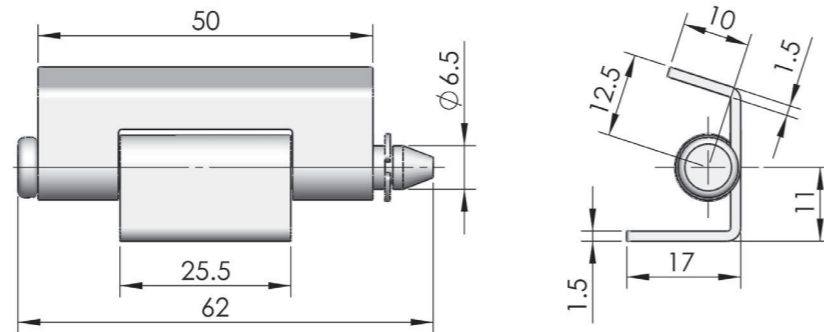
Performance parameter:
Maximum static load
Radial load: 290N
Axial load: 540N

CL168

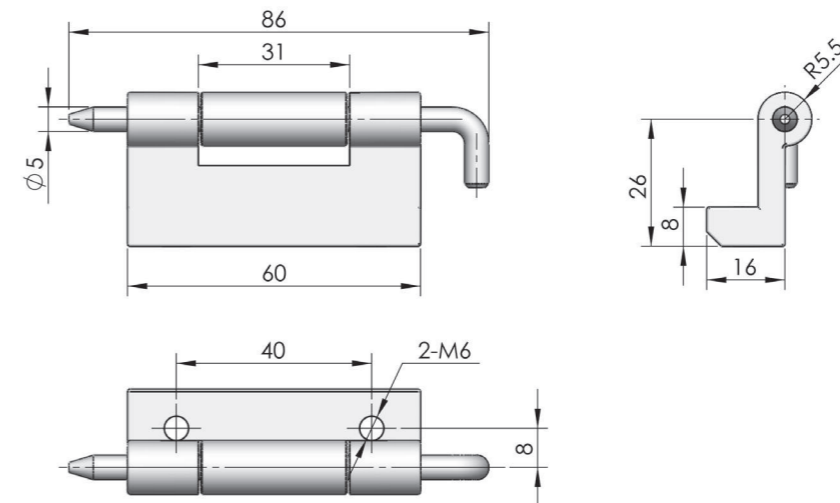


Main material and finish: White zinc-plated steel hinge leaf and shaft

Performance parameter:
Maximum static load
Radial load: 200N
Axial load: 330N



ERP CL168F3D001



ERP CL169Z3D001

CL169



Main material and finish: White zinc-plated ZDC female hinge, steel male hinge and shaft

Performance parameter:
Maximum static load
Radial load: 700N
Axial load: 500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



CL170



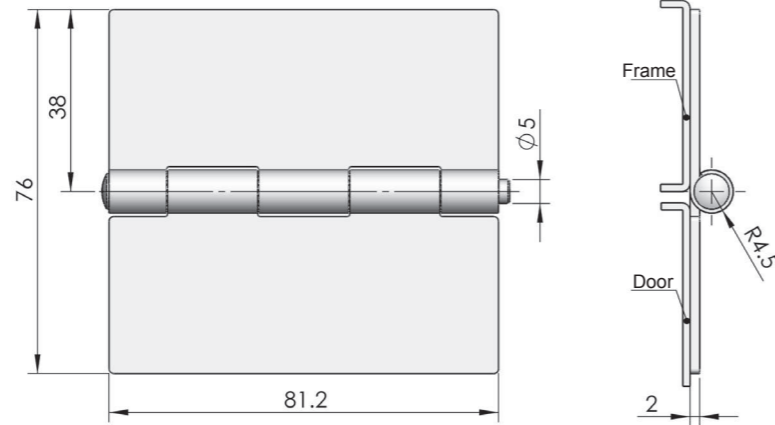
Main material and finish: Zinc-plated steel hinge and pin

Performance parameter:

Maximum static load

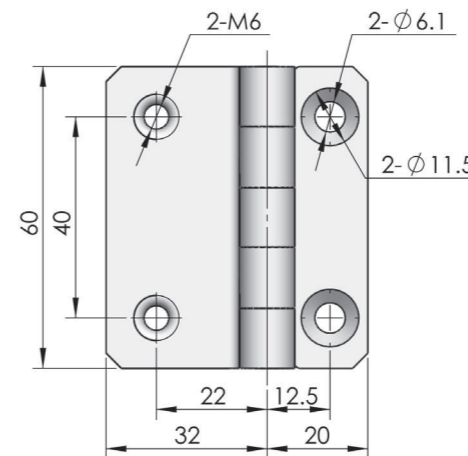
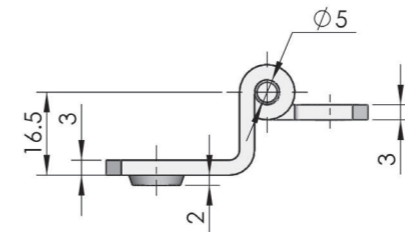
Radial load: 800N

Axial load: 600N



ERP

CL170F3D001



ERP

CL178F3D001



CL178



Main material and finish: steel hinge and pin

Finish: zinc plated

Performance parameter:

Maximum static load

Radial load: 1280N

Axial load: 1170N



CL173



Main material and finish: Stainless steel hinge leaf and shaft

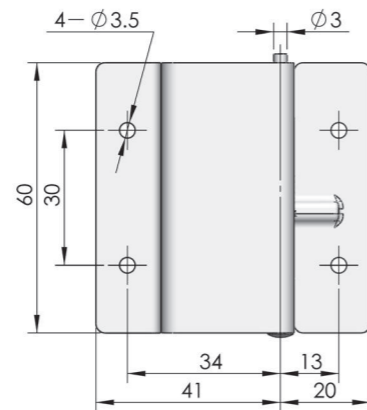
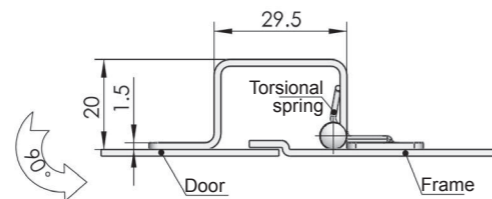
Application: Opening angle 90°

Performance parameter:

Maximum static load

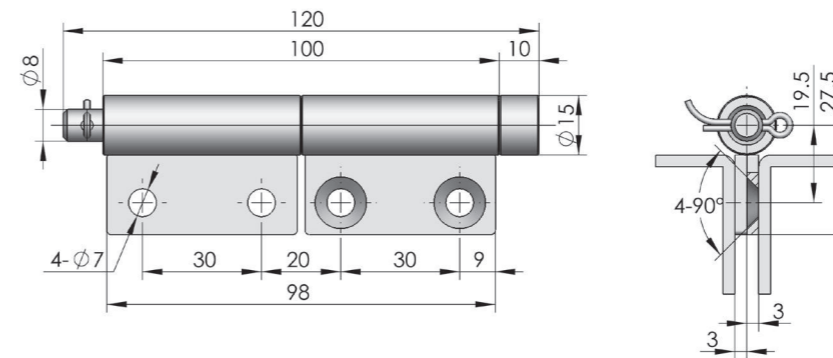
Radial load: 180N

Axial load: 75N



ERP

CL173S00001



ERP

CL179S4B001



CL179



Main material and finish: Wiredrawing stainless steel hinge

Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 1500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

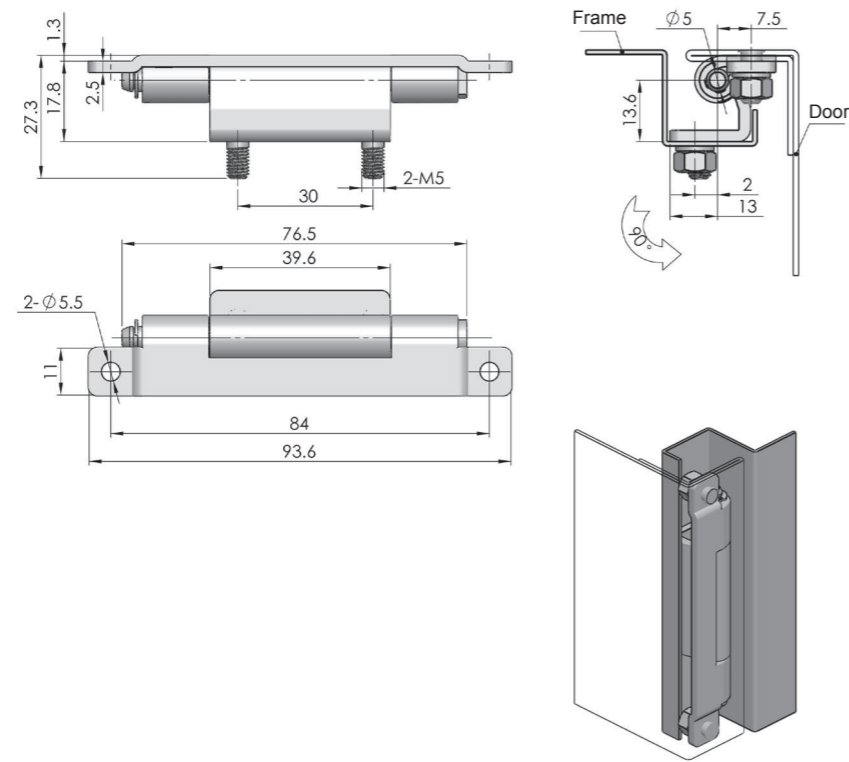


CL180



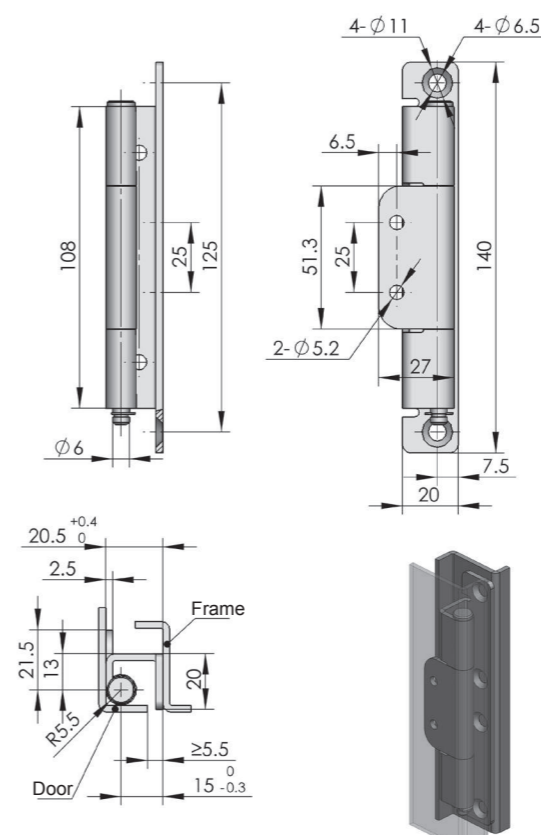
Main material and finish: Magnetic force polishing SUS304 stainless steel hinge

Performance parameter:
Maximum static load
Radial load: 705N
Axial load: 400N



ERP

CL180SXX001



ERP

CL186S9C001



CL186



Main material and finish: Electrolysis stainless steel hinge leaf and shaft
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 660N
Axial load: 800N

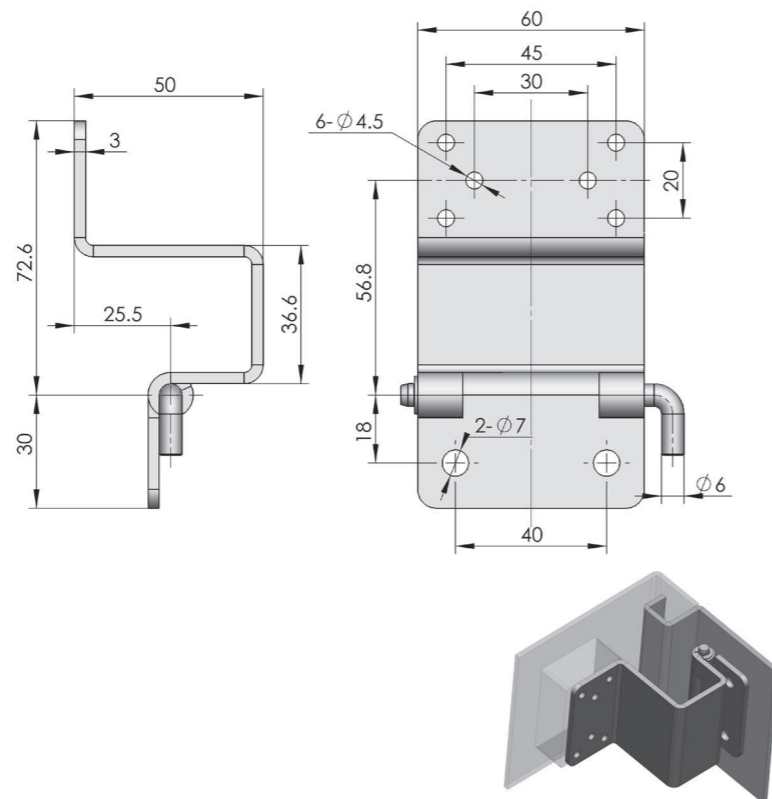


CL181



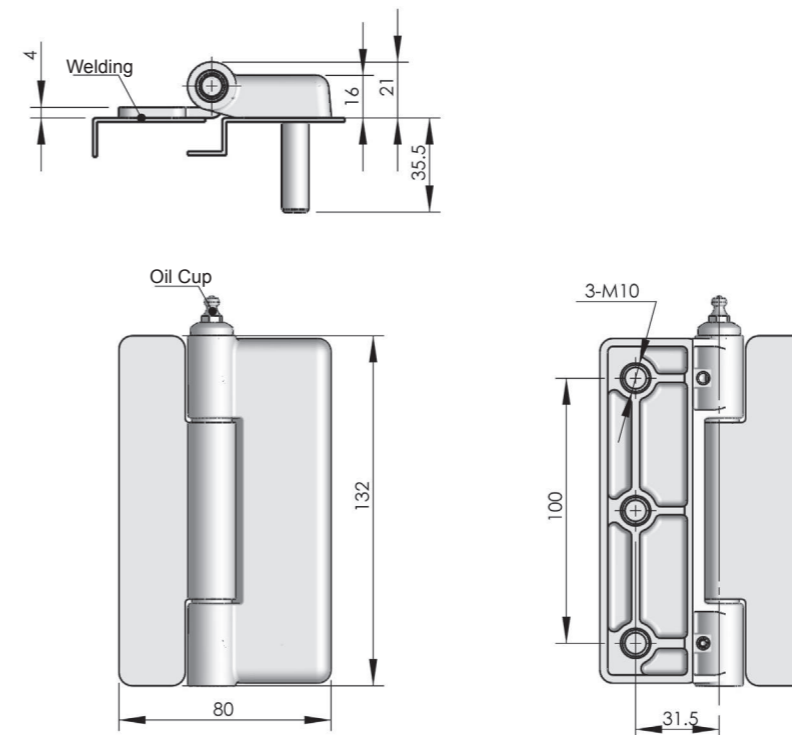
Main material and finish: White zinc plated steel hinge leaf and stainless steel shaft

Performance parameter:
Maximum static load
Radial load: 5000N
Axial load: 420N



ERP

CL181F3J001



ERP

CL188FXX001



CL188



Main material and finish: Phosphating 45# steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

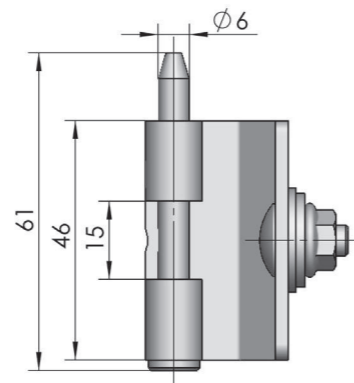
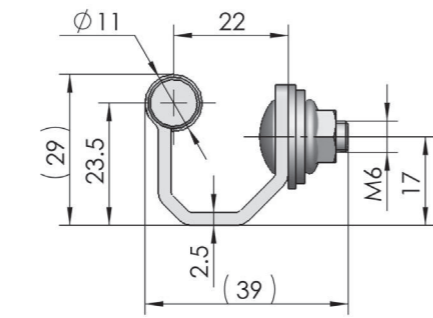
CL190



Main material and finish: White zinc plated steel hinge

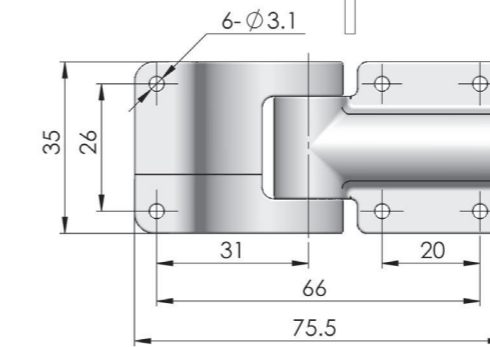
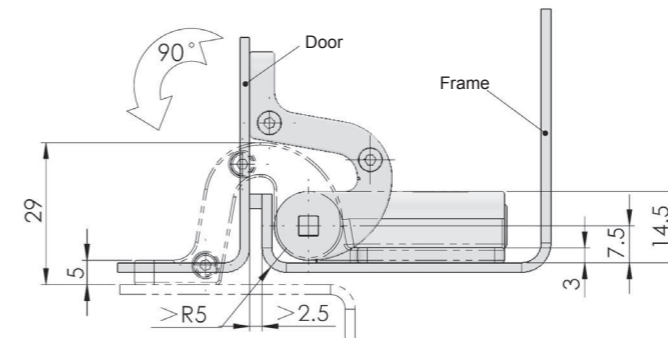
Performance parameter:

Maximum static load
Radial load: 365N
Axial load: 255N



ERP

CL190F3D001



ERP

CL195Z2A002

CL195-3



Main material and finish: Black painted ZDC hinge

Application: Opening angle 90°

Performance parameter:

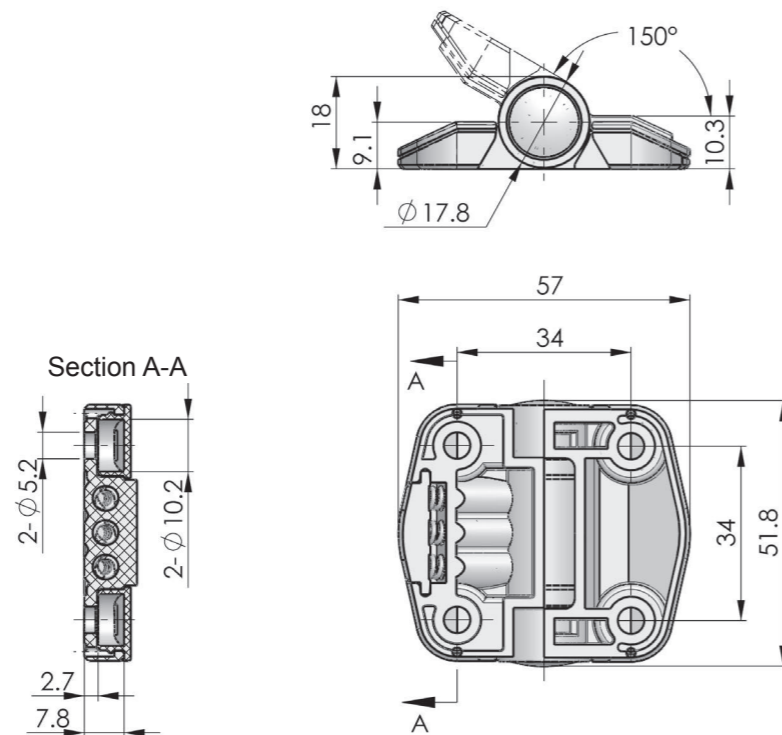
Maximum static load
Radial load: 800N
Axial load: 650N

CL195



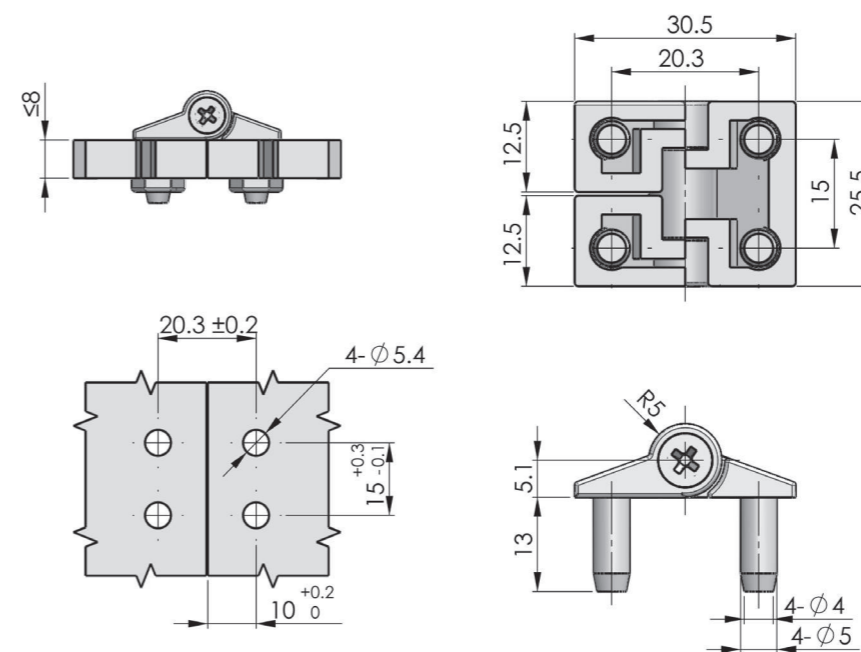
Main material and finish: Black POM hinge and steel shaft

Application: Opening angle 150°



ERP

CL195N00001



ERP

CL196N00001

CL196



Main material and finish: Black POM hinge

Remark: Special self tapping screw included

Performance parameter:

Maximum static load
Radial load: 80N
Axial load: 255N

Hinge

Seal gasket

Hinge

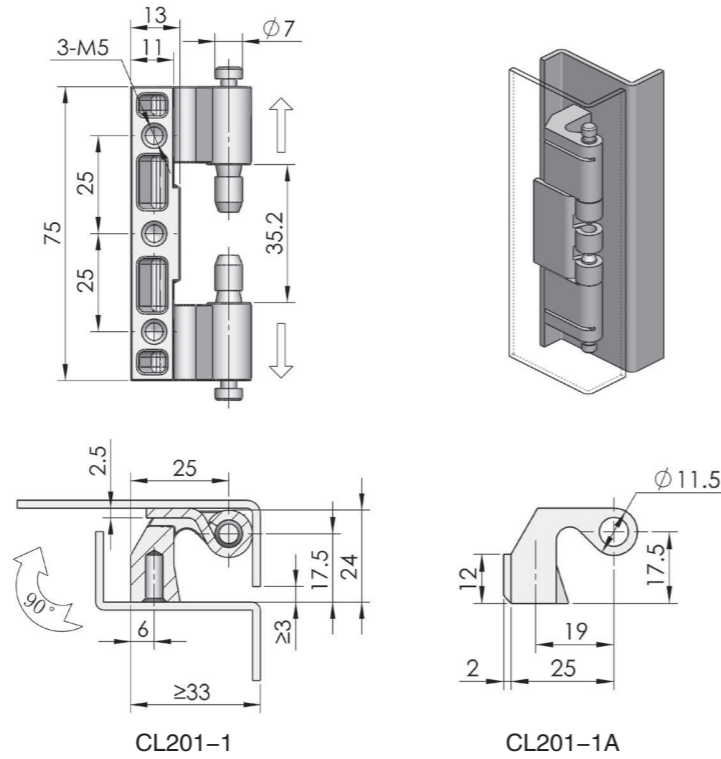
Seal gasket

CL201-1

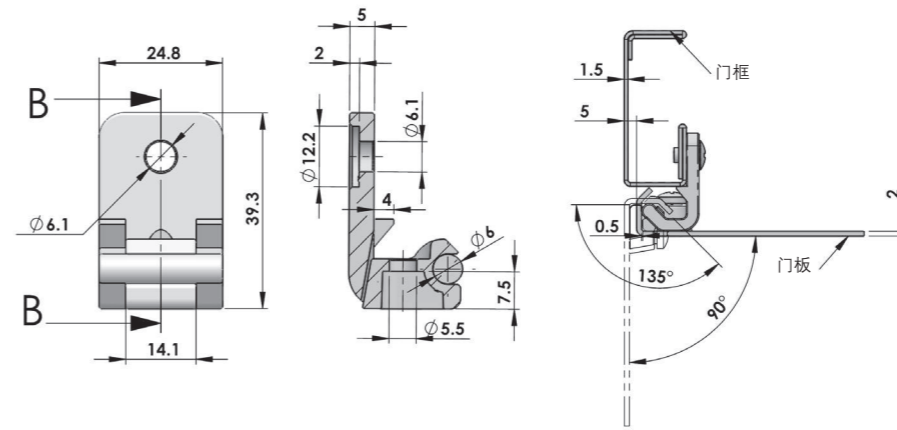


Main material and finish: ZDC hinge, steel pin, accessory

Performance parameter:
Maximum static load
Radial load: 800N
Axial load: 1500N



Remark: ≥ 4 size is bigger, door's open angle is bigger.



ERP

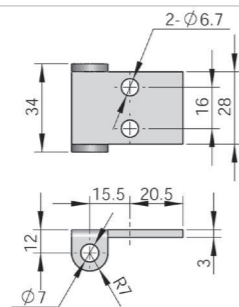
CL200Z2C001

CL200-1

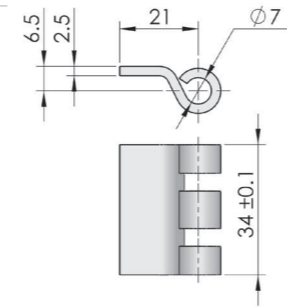


Main material and finish: Black painted ZDC hinge
Application: Opening angle 90°

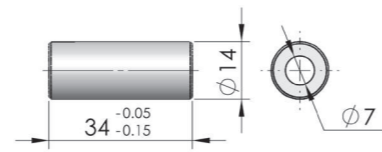
Performance parameter:
Maximum static load
Radial load: 300N
Axial load: 250N



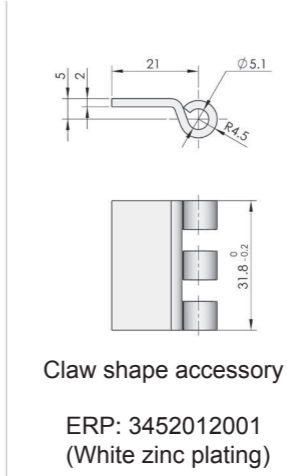
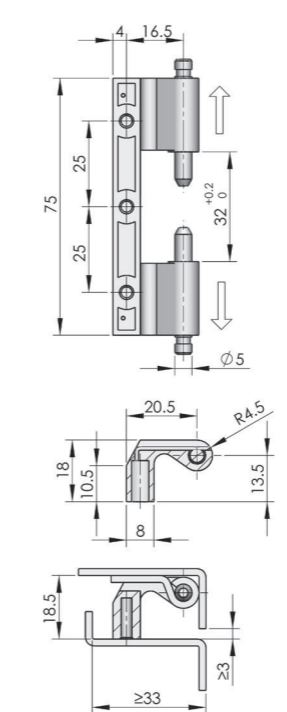
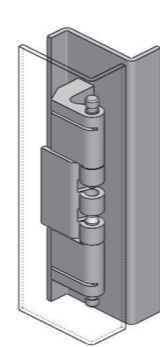
"U" shape accessory
ERP: 3452011001 (white zinc plating)



Claw shape accessory
ERP: 3452011002 (white zinc plating)



Pipe shape accessory
ERP: 3452011013 (white zinc plating)



Claw shape accessory
ERP: 3452012001 (White zinc plating)

Remark: ≥ 3 size is bigger, door's open angle is bigger

CL201-2



Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:
Maximum static load
Radial load: 360N
Axial load: 460N

Specification	CL201-1	CL201-1A	CL201-1B
Black powder coated	CL201Z2A002	CL201Z2A032	
Nanometer painted	CL201Z4D002	CL201Z2B017	
Blast sprayed	CL201Z4D002	CL201Z4D004	
SUS			CL201S4B001

Remark: Accessory is not included in above ERP number, but optional

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A006	CL201Z2B004	CL201Z4D007

Remark: Accessory is not included in above ERP number, but optional.

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

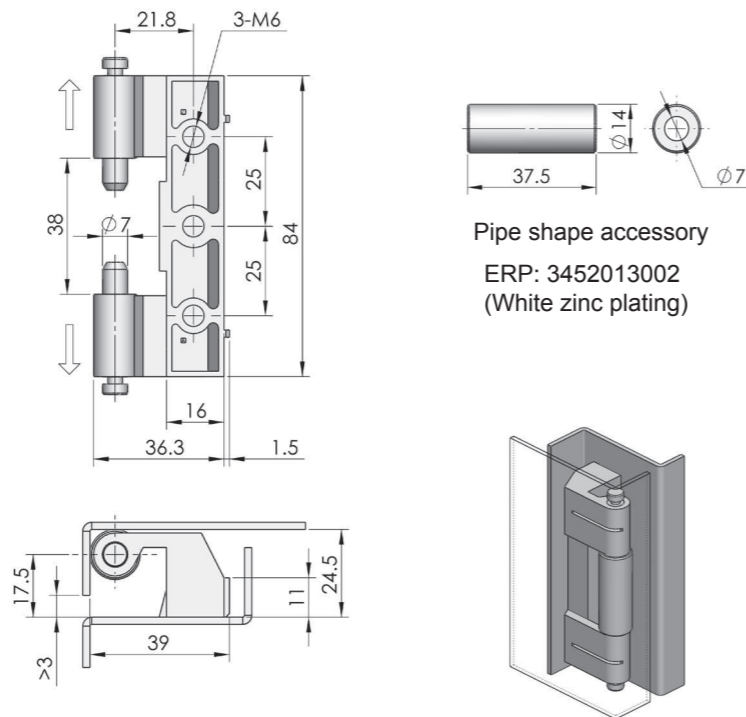
CL201-3



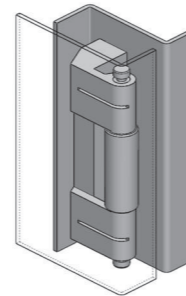
Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:

Maximum static load
Radial load: 300N
Axial load: 700N



Pipe shape accessory
ERP: 3452013002
(White zinc plating)



Remark: ≥ 3 size is bigger, door's open angle is bigger

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A011	CL201Z2B008	CL201Z4D009

Remark: Accessory is not included in above ERP number, but optional.

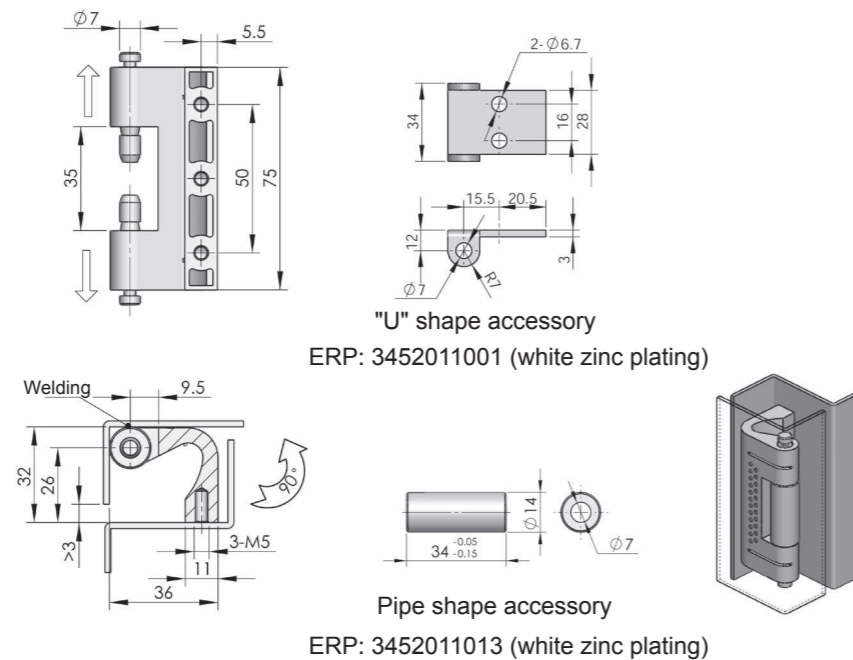
CL201-4



Main material and finish: ZDC hinge, steel pin and accessories

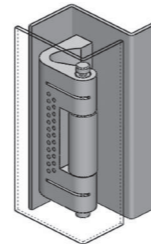
Performance parameter:

Maximum static load
Radial load: 640N
Axial load: 900N



"U" shape accessory
ERP: 3452011001 (white zinc plating)

Pipe shape accessory
ERP: 3452011013 (white zinc plating)



Remark: > 3 size is bigger, door's open angle is bigger.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A015	CL201Z2B009	CL201Z4D012

Remark: Accessory is not included in above ERP number, but optional

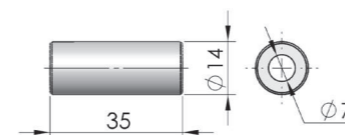
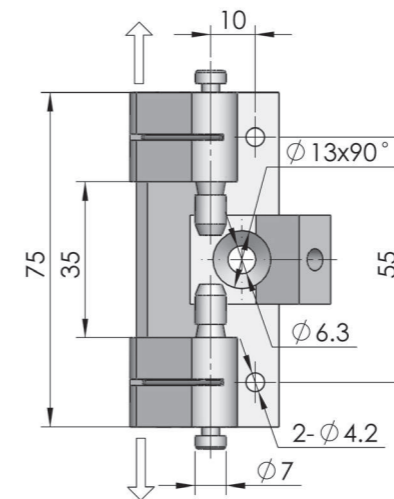
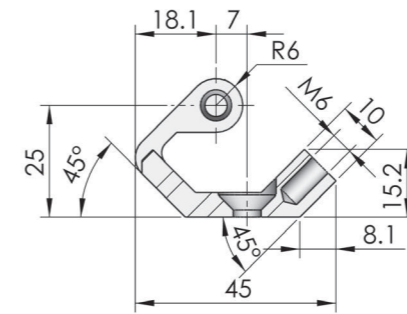
CL201-5



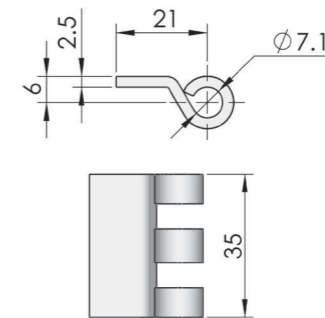
Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:

Maximum static load
Radial load: 700N
Axial load: 1500NN



Pipe shape accessory
ERP: 3452011013 (White zinc plating)



Claw shape accessory
ERP: 3452011002 (White zinc plating)

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A013	CL201Z2B005	CL201Z4D015

Remark: Accessory is not included in above ERP number, but optional

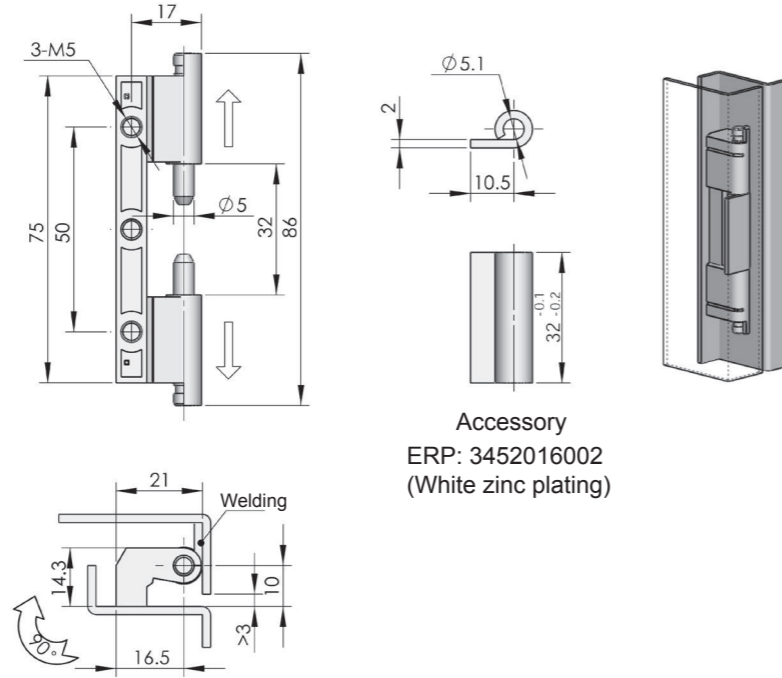
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL201-6



Main material and finish: ZDC hinge, steel pin and accessories
Application: Opening degree 90°

Performance parameter:
Maximum static load
Radial load: 900N
Axial load: 900N



Remark: > 3 size is bigger, door's open angle is bigger.

	Nanometer painted	Blast sprayed
ERP	CL201Z2B001	CL201Z4D021

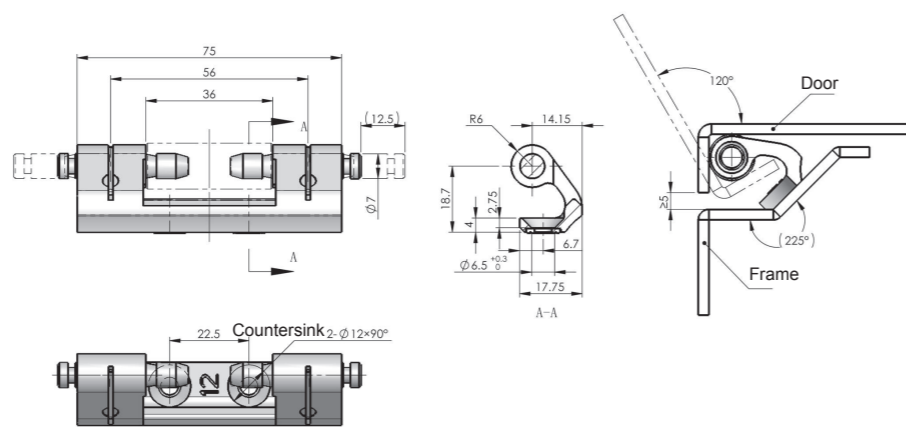
Remark: Accessory is not included in above ERP number, but optional.

CL201-9

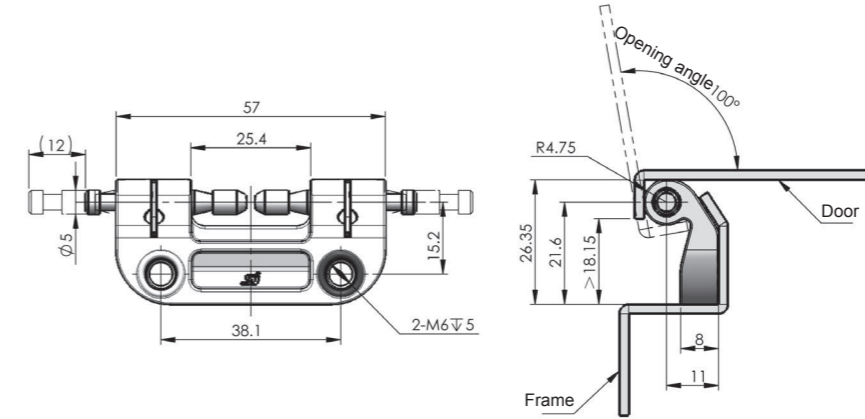


Main material and finish: Blast sprayed ZDC hinge leaf and steel pin.
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 500N
Axial load: 800N



Specification	With washer	Without washer
ERP	CL201Z4D064	CL201Z4D067



Specification	With SJ logo	Without SJ logo
ERP	CL201Z2B021	CL201Z2B022

CL201-12



Main material and finish: Nanometer painted ZDC hinge leaf, steel pin
Application: Opening angle 100°

Performance parameter:
Maximum static load
Radial load: 900N
Axial load: 2000N

CL202-1



Main material and finish: ZDC door-part, steel frame-part and pin
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 280N
Axial load: 390N

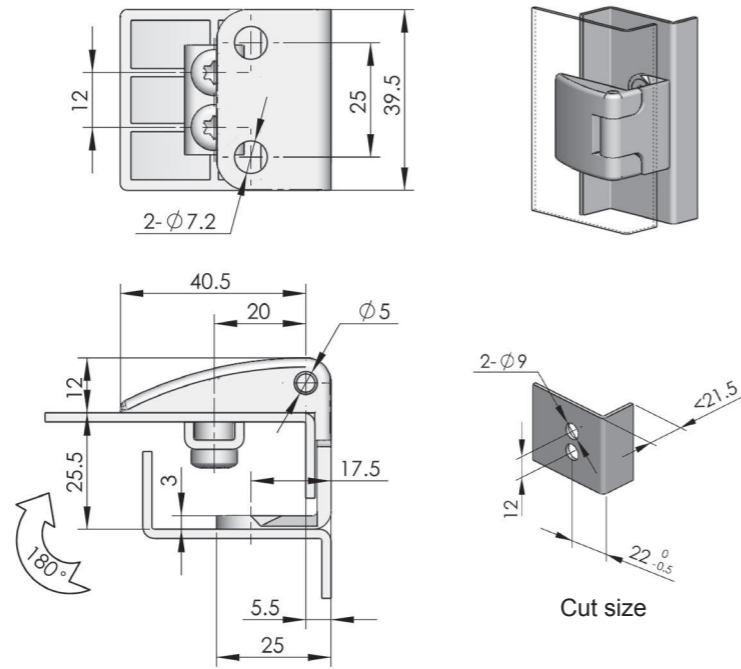
ERP	Black Powder Coated	Nanometer painted
	CL202Z1A001	CL202Z2B001

CL202-2



Main material and finish: ZDC door-part, steel frame-part, pin and screw
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 560N
Axial load: 520N



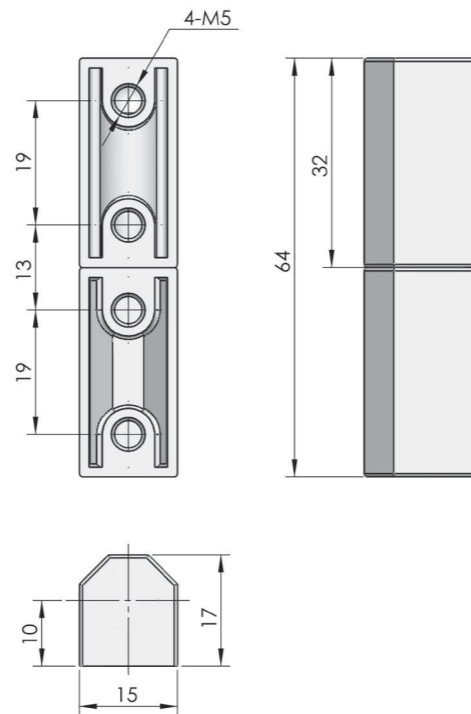
	Matt black powder coated	Malachite green powder coated	Pocked black powder coated
ERP	CL202Z1A002	CL202Z1F006	CL202Z1B001

CL203-2B



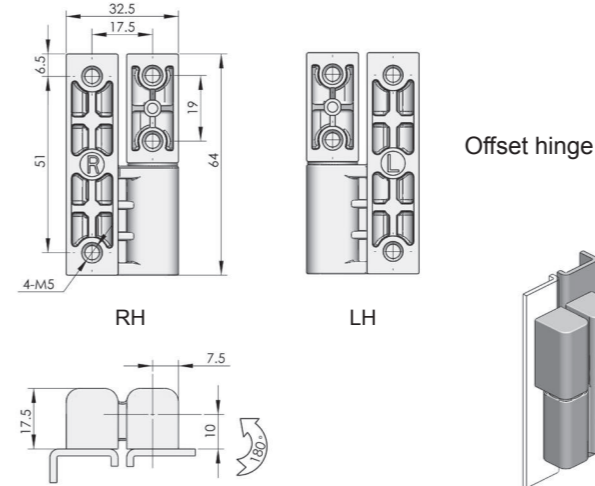
Main material and finish: ZDC hinge
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 600N
Axial load: 1500N

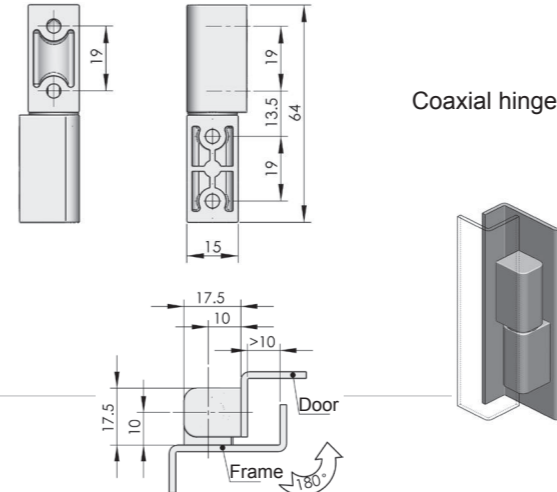


	Black powder coated	Bright chrome plated
ERP	CL203Z1A007	CL203Z3A005

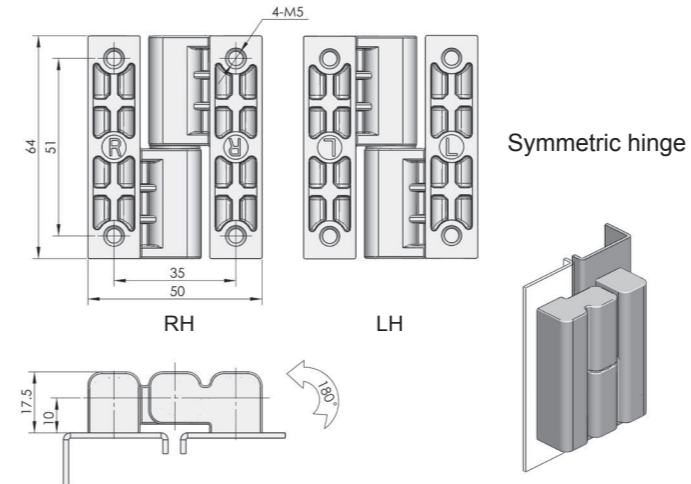
CL203-1



CL203-2



CL203-3



Specification	Model	ERP		
		Matt black powder coated	Pocked black powder coated	Nanometer painted
Coaxial hinge	CL203-2	CL203Z1A003	CL203Z1B004	CL203Z2B003
Offset left hinge	CL203-1-Z	CL203Z1A001	CL203Z1B001	CL203Z2B001
Offset right hinge	CL203-1-Y	CL203Z1A002	CL203Z1B002	CL203Z2B002
Symmetrical left hinge	CL203-3-Z	CL203Z1A008		CL203Z2B004
Symmetrical right hinge	CL203-3-Y	CL203Z1A009	CL203Z1B015	CL203Z2B005

CL203-1



CL203-2



CL203-3



Main material and finish: ZDC hinge PA bushing
Application: Opening degree 180°

Performance parameter:
Maximum static load

Model: CL203-1
Radial load: 490N Axial load: 570N

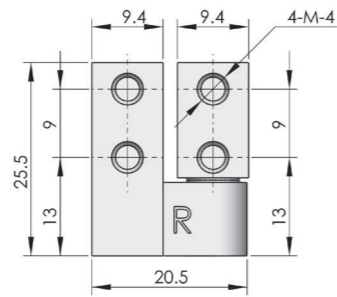
Model: CL203-2
Radial load: 650N Axial load: 1550N

Model: CL203-3
Radial load: 3300N Axial load: 880N

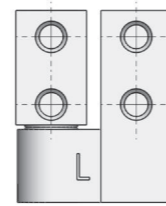
CL203-4



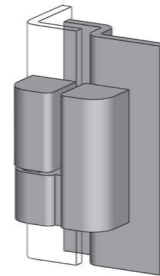
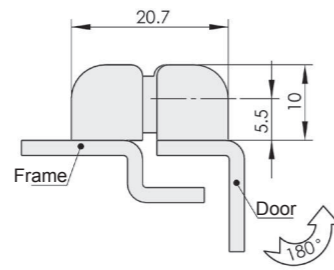
Main material and finish: ZDC hinge coated ZDC hinge
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 270N
Axial load: 730N



RH



LH



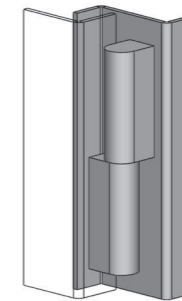
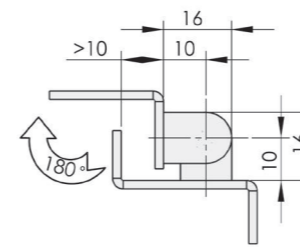
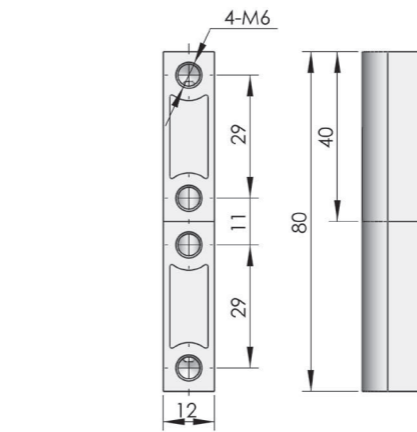
Specification	Model	ERP	
		Black powder coated	Nanometer painted
Left hand	CL203-4-Z	CL203Z2A001	CL203Z2A002
Right hand	CL203-4-Y	CL203Z2B006	CL203Z2B007

CL204-1

CL204-1



Main material and finish: ZDC hinge
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 980N
Axial load: 2800N

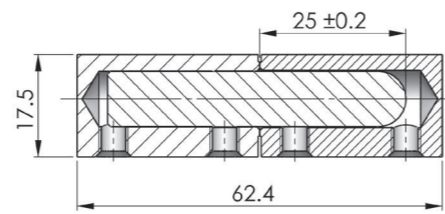
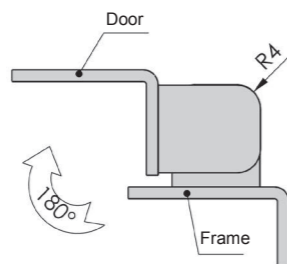
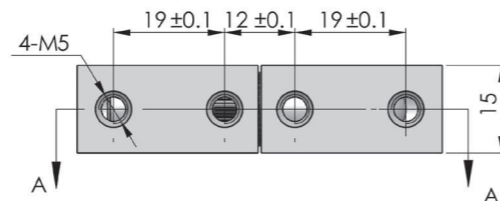
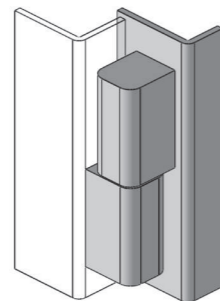


	Black powder coated	Nanometer painted	Bright chrome plated
ERP	CL204Z1A001	CL204Z2B001	CL204Z3A001

CL203-7

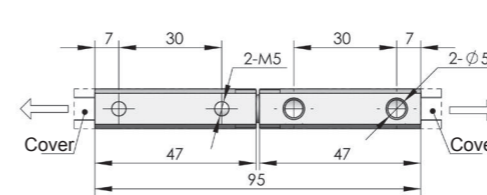


Main material and finish: Wiredrawing polishing stainless steel hinge
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1295N
Axial load: 2240N

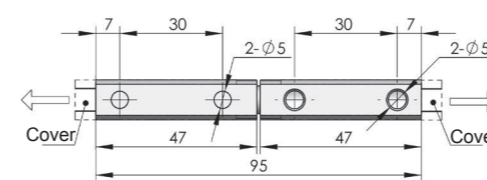
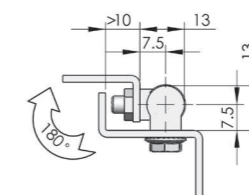


Section A-A

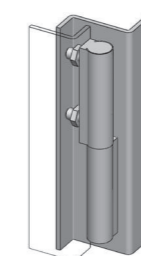
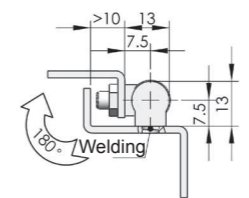
ERP	CL203S4B001
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CL204-2



CL204-3



	CL204-2 Fixed with screw	CL204-2 Welding
ERP	CL204S00001	CL204S9C001

**CL204-2
CL204-3**



**INOX
AISI
3..**

Main material and finish: Steel hinge leaf and stainless steel cover
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1800N
Axial load: 2900N

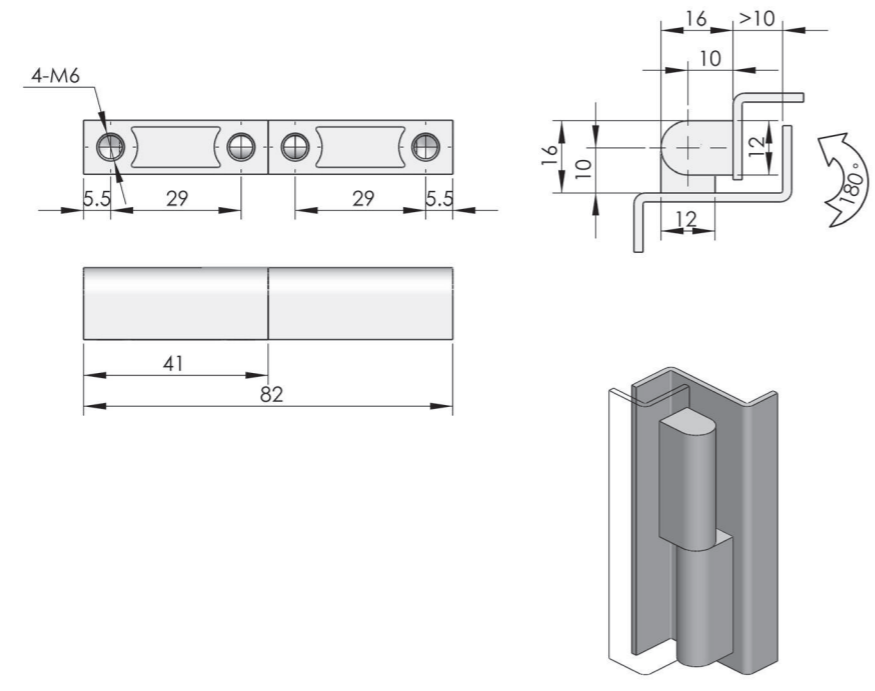
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



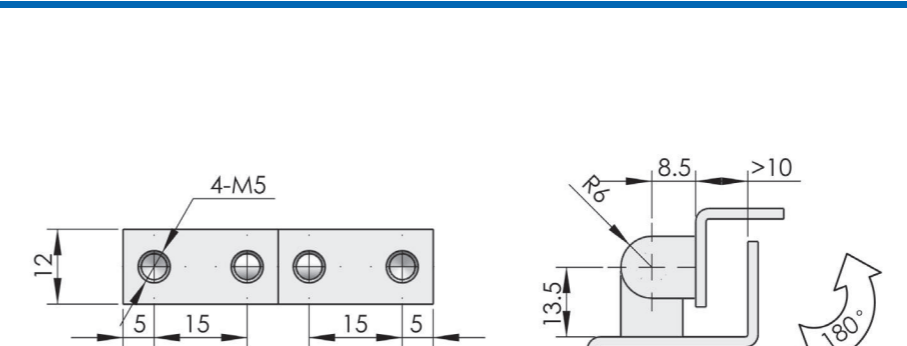
CL204-3C

Main material and finish: Bright chrome-plated ZDC hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1800N

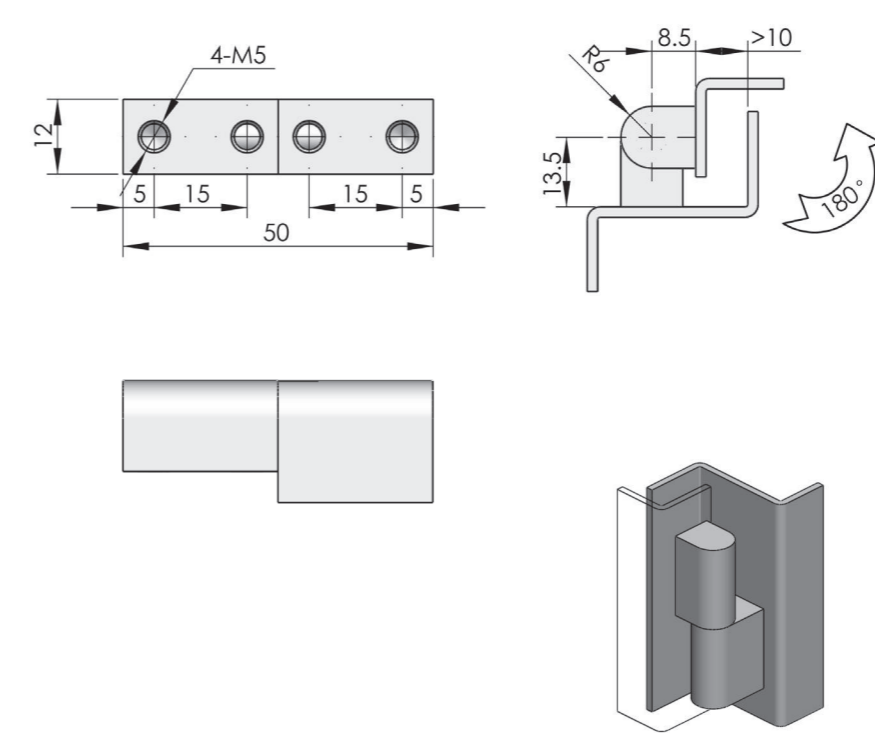


ERP CL204Z3A002



CL204-3F

Main material and finish: Bright chrome-plated ZDC hinge
Application: Opening angle 180°



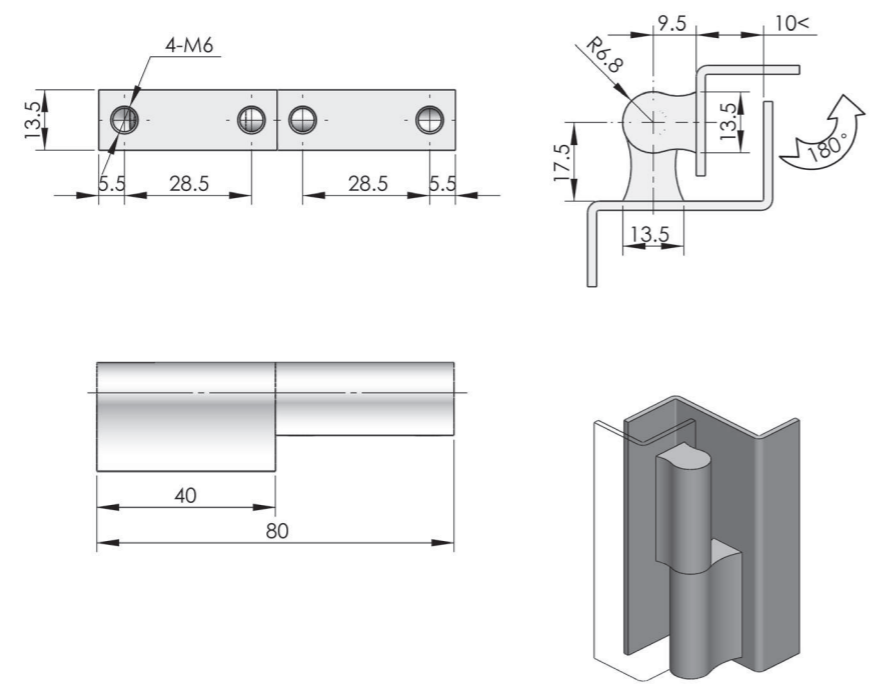
ERP CL204Z3A007



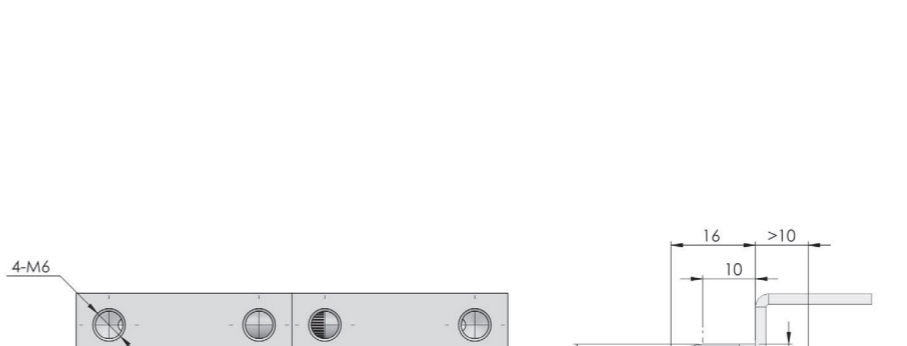
CL204-3D

Main material and finish: Bright chrome-plated ZDC hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 2150N
Axial load: 2630N



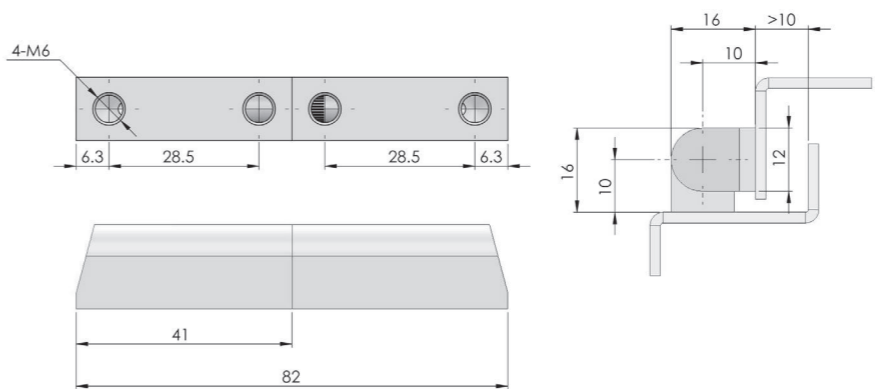
ERP CL204Z3A003



CL204-3K

Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 2000N
Axial load: 1530N



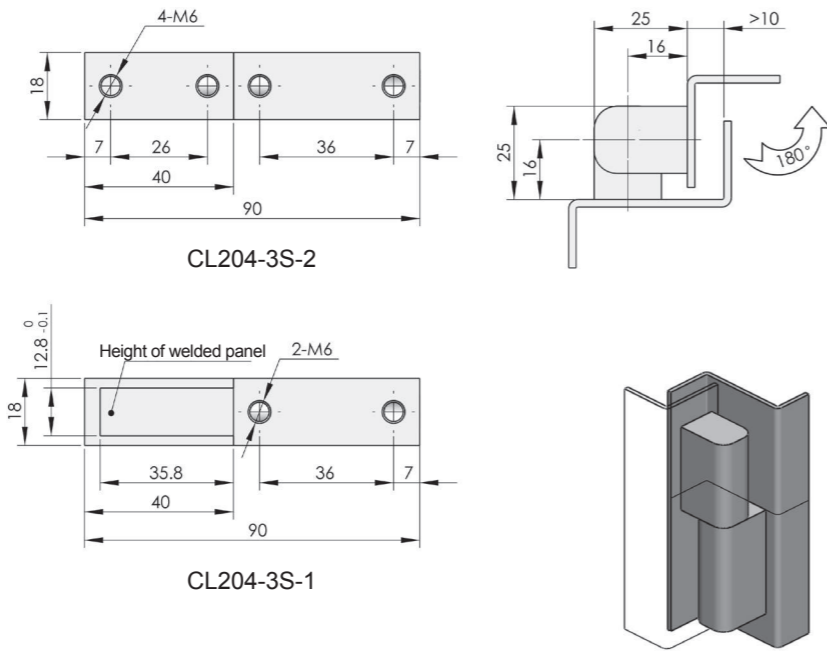
ERP CL204S4A013

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL204-3S

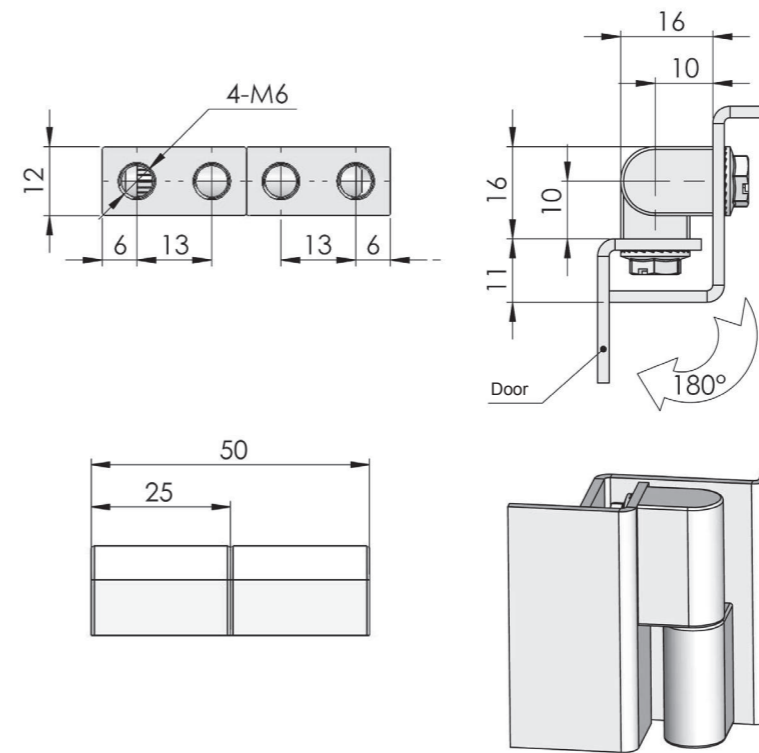


Main material and finish: SUS304, wiredrawing polishing
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1700N
Axial load: 2200N



	CL204-3S-1	CL204-3S-2
ERP	CL204S4B002	CL204S4B003

CL204-7



ERP	CL204S4A020
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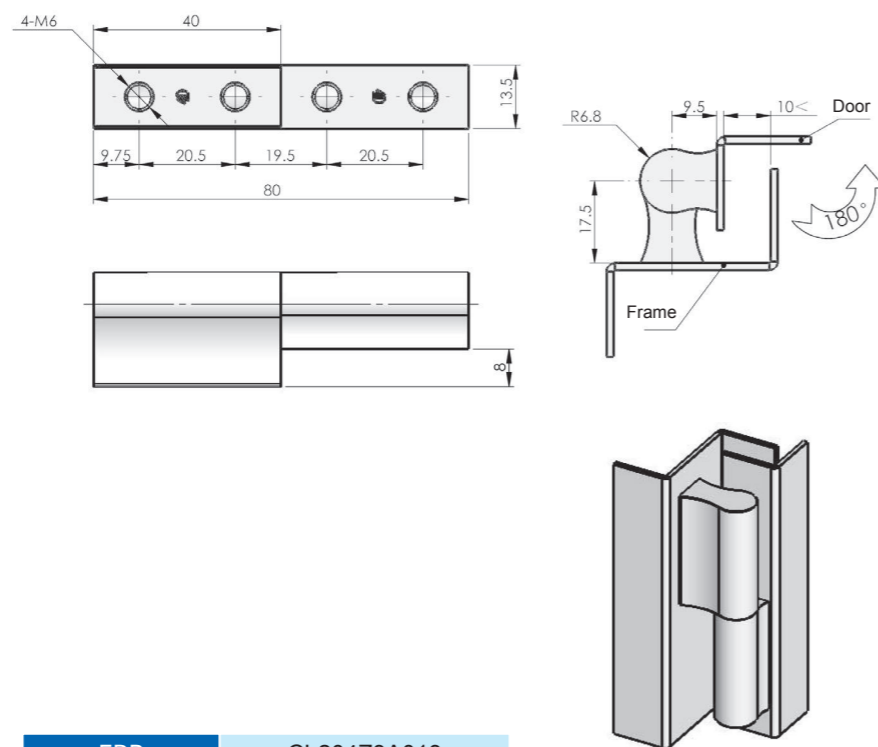
Main material and finish: Mirror polishing
SUS304 stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 2000N

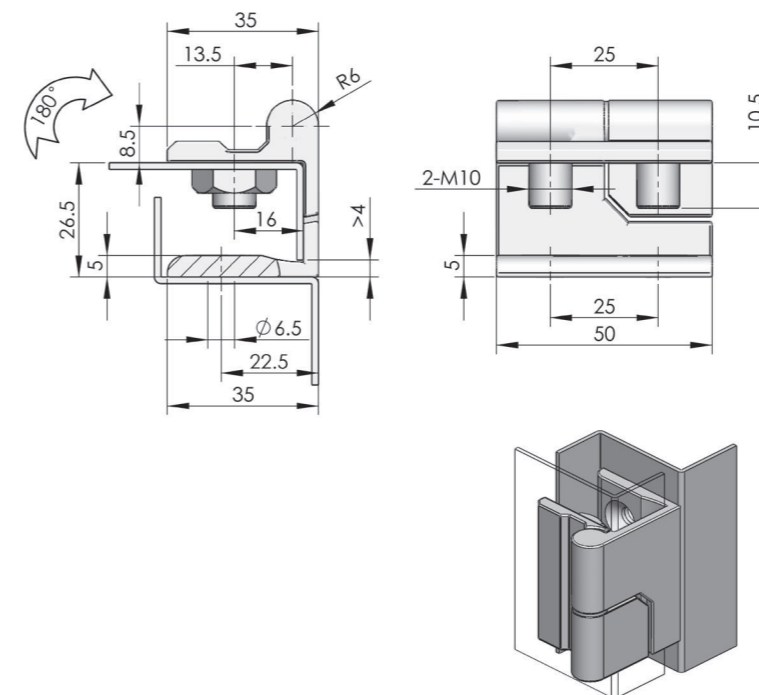
CL204-4D



Main material and finish: Bright chrome plated ZDC exposed hinge
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 2000N



ERP	CL204Z3A013
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Specification	Model	ERP	
		Black powder coated	Pocked black powder coated
Left hand	CL205-1-Z	CL205Z1A001	CL205Z1B001
Right hand	CL205-1-Y	CL205Z1A002	CL205Z1B002

CL205-1



Main material and finish: ZDC hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 917N
Axial load: 710N



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL205-2



Main material and finish: ZDC hinge leaf and bushing, PA shaft

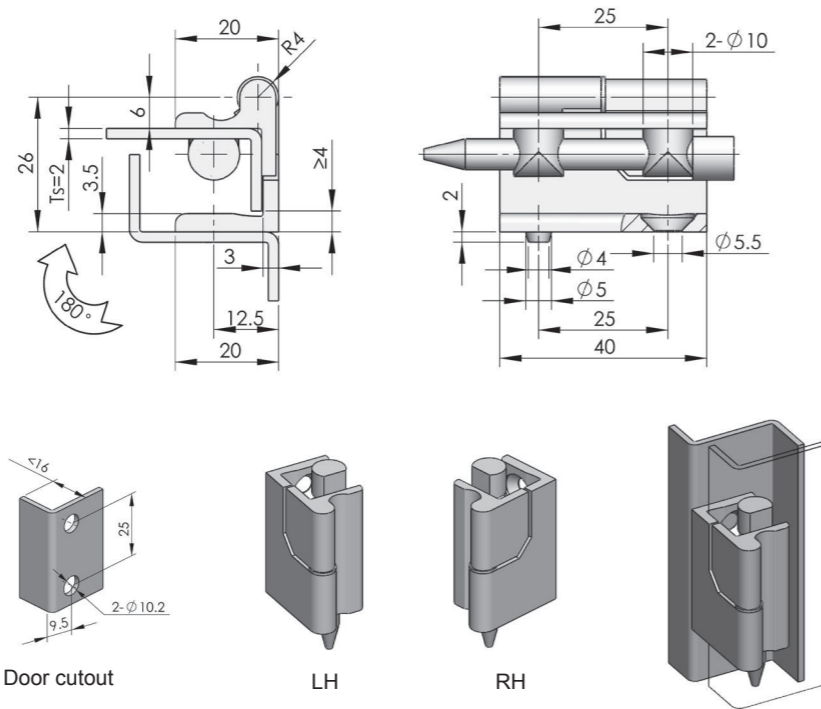
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 245N

Axial load: 305N



Specification	Model	ERP	
		Bright chrome-plated	Pocked black powder coated
Left hand	CL205-2-Z	CL205Z3A001	CL205Z1B003
Right hand	CL205-2-Y	CL205Z3A002	CL205Z1B004

CL206-2



Main material and finish: ZDC hinge, steel pin

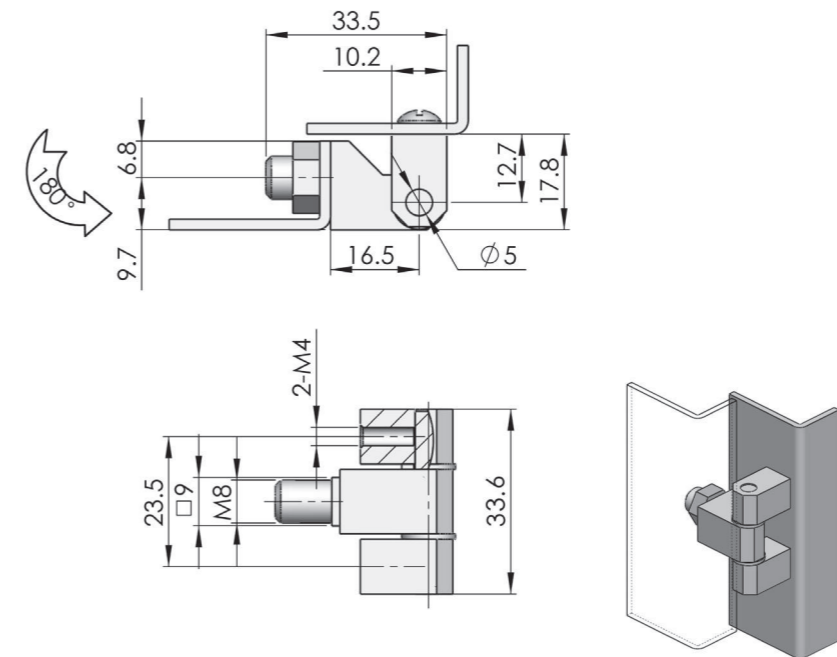
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1200N

Axial load: 1000N



ERP	Black powder coated	Bright chrome-plated
	CL206Z1A001	CL206Z3A007

CL206-1



Main material and finish: Bright chrome plated steel hinge, steel gasket

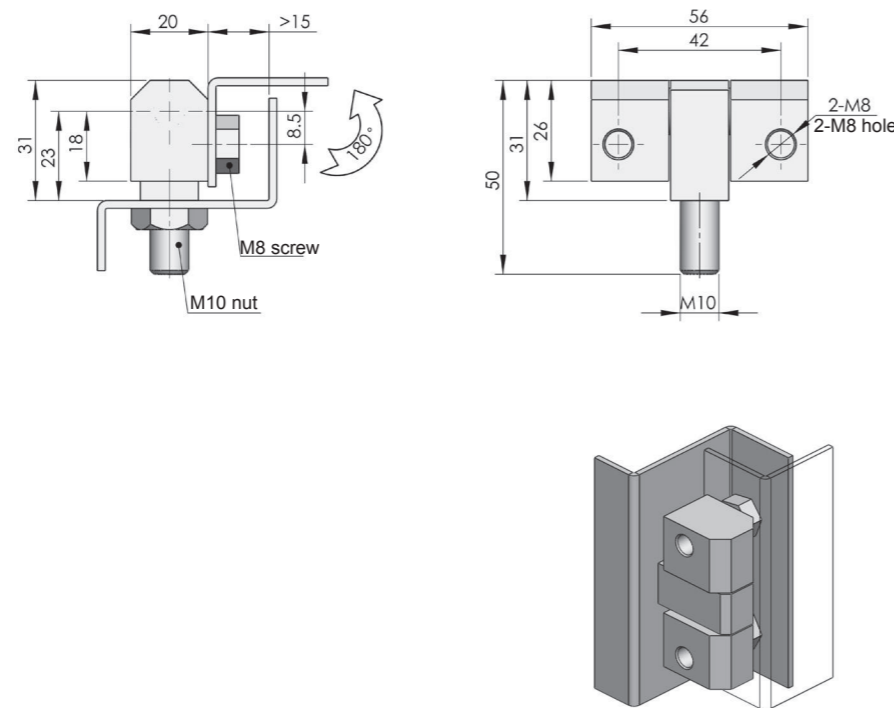
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 2500N

Axial load: 1785N



ERP	CL206F3A001

CL206-3



Main material and finish: Bright chrome plated steel hinge and gasket

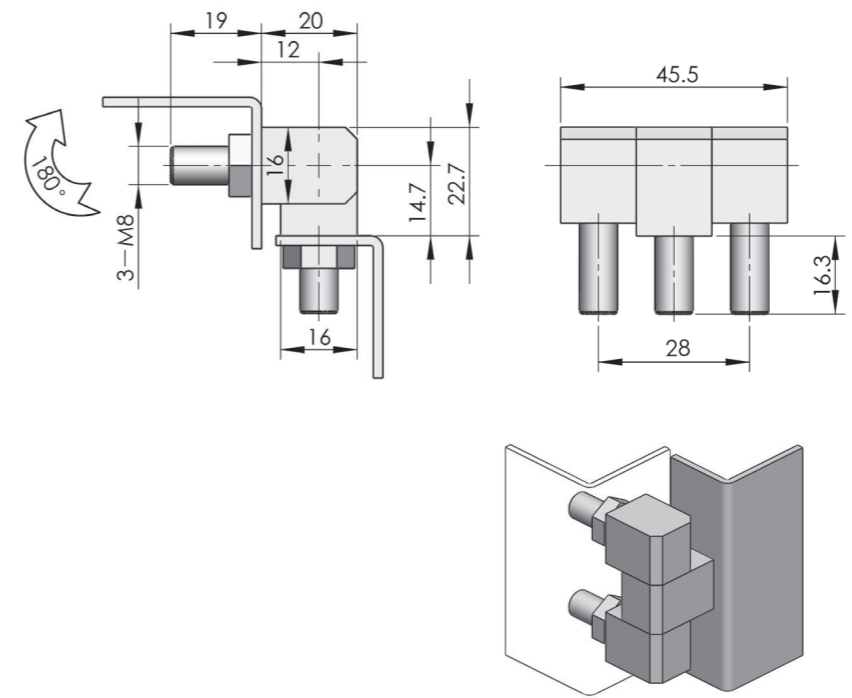
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 1500N



ERP	Pocked black powder coated	Black painted	Bright chrome plated
	CL206F1B001	CL206F2A001	CL206F3A008

CL206-3B



Main material and finish: ZDC hinge
Application: Opening angle 180°

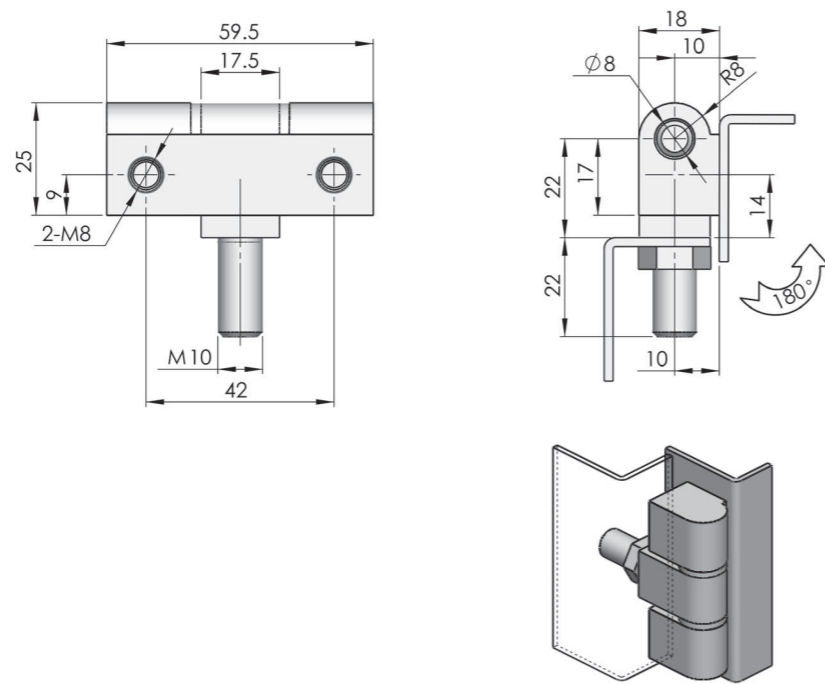
Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 1520N

Embedded screw recommended
tightening torque : 50N.m



	Black painted	Bright chrome-plated
ERP	CL206Z2A002	CL206Z3A011

CL206-12



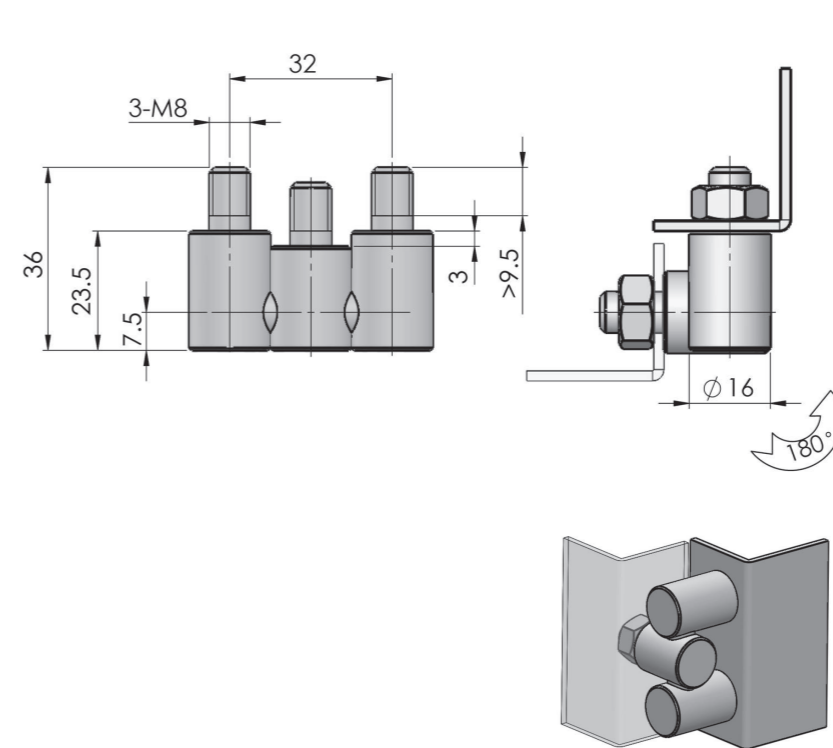
Main material and finish:Wiredrawing polishing SUS316 stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1500N

Axial load: 2000N



ERP	CL206S4B002
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CL206-4



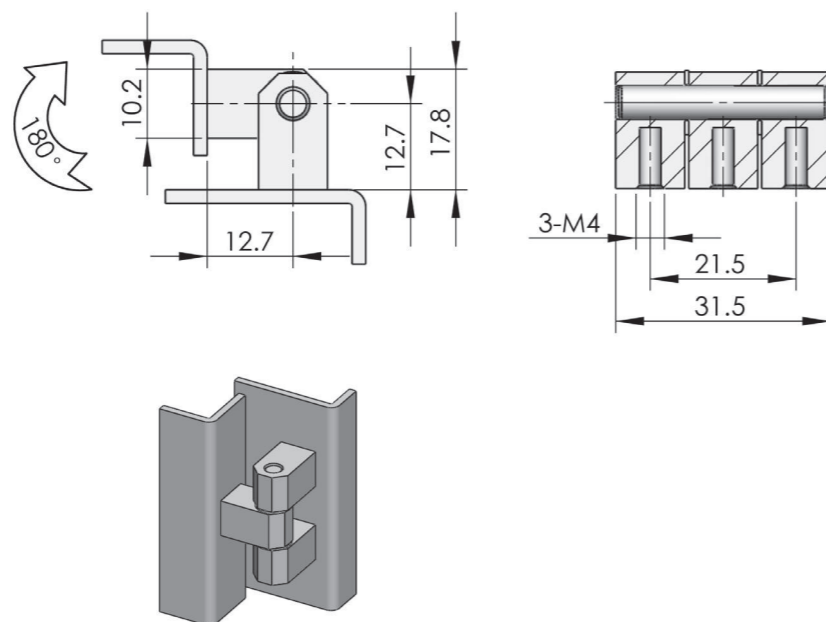
Main material and finish: ZDC hinge, steel pin
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1200N

Axial load: 1000N



	Black powder coated	Bright chrome-plated
ERP	CL206Z1A003	CL206Z3A012

CL207



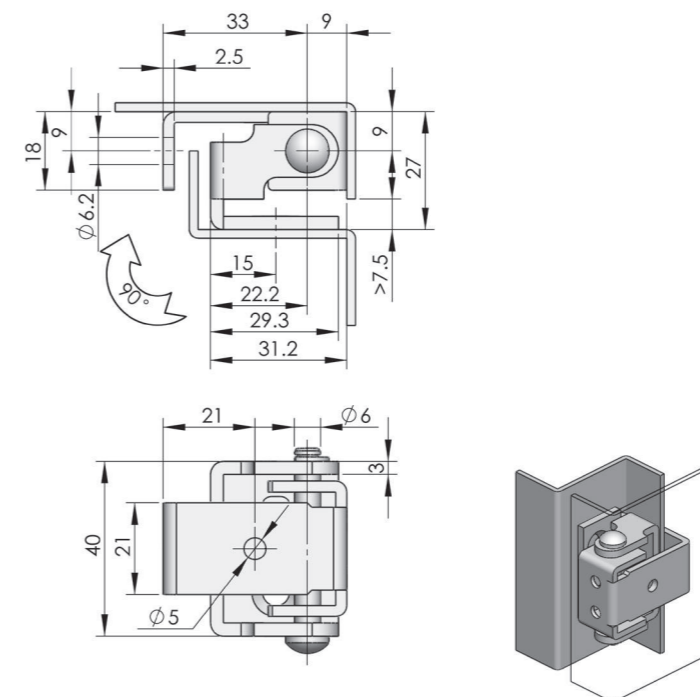
Main material and finish: White zinc-plated steel hinge
Application: Opening angle 90°

Performance parameter:

Maximum static load

Radial load: 170N

Axial load: 190N



ERP	CL207F3D001
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Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

CL208



Main material and finish: ZDC hinge, steel support and screw

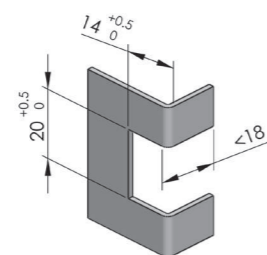
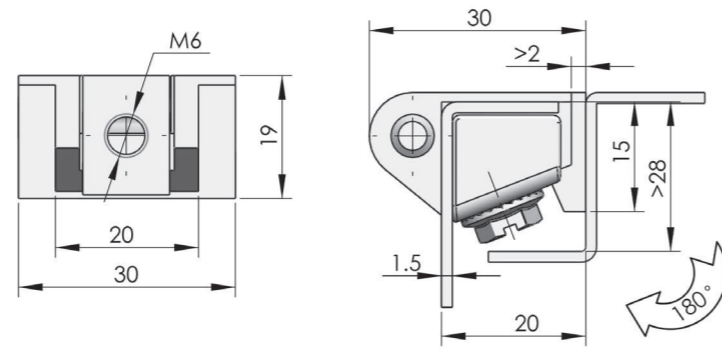
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 240N

Axial load: 520N



Door cutout

	Matt black powder coated	Nanometer painted	Bright chrome-plated
ERP	CL208Z1A001	CL208Z2B001	CL208Z3A001

CL209-1C



Main material and finish: Nanometer painted ZDC hinge, stainless steel shaft and screw

Application: Opening angle 180°

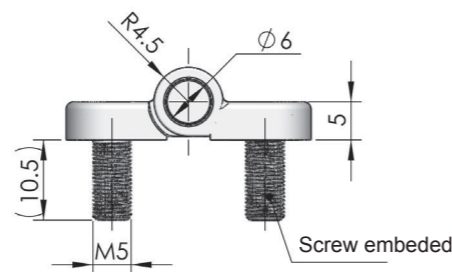
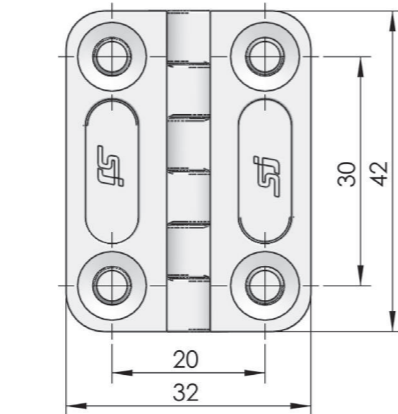
Performance parameter:

Maximum static load

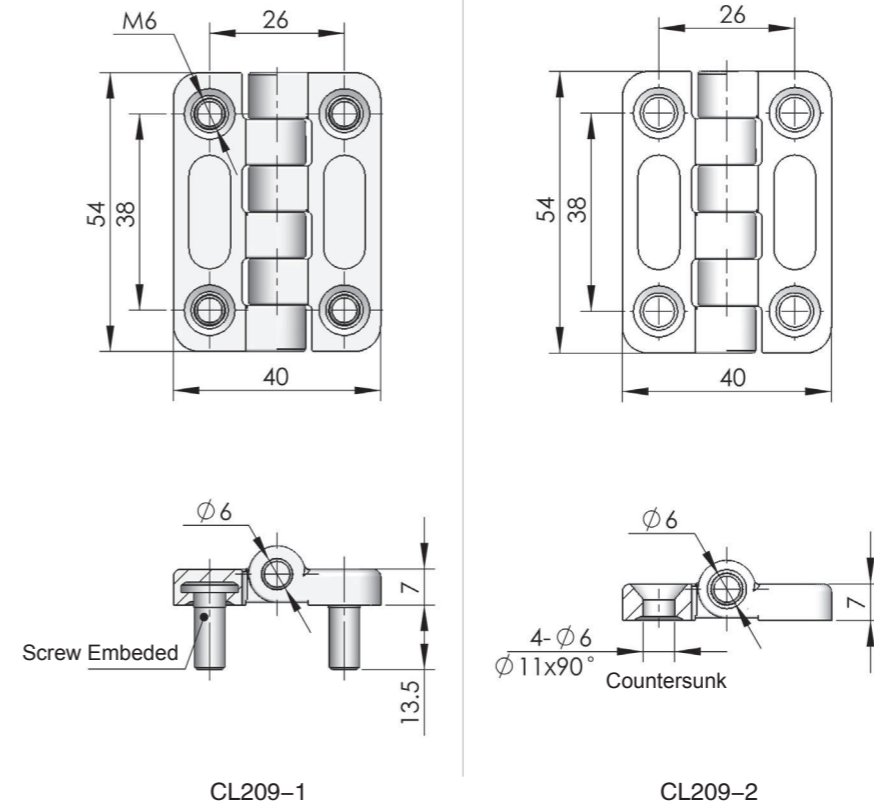
Radial load: 1800N

Axial load: 1350N

Embedded screw recommended tightening torque : 9N.m



ERP	CL209Z2B004
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CL209-1

CL209-2

Specification	ERP	
	CL209-1	CL209-2
Bright chrome-plated	CL209Z3A001	CL209Z3A002
Matt black powder coated	CL209Z1A001	CL209Z1A015
Pocked black powder coated	CL209Z1B001	CL209Z1B002
Nanometer painted	CL209Z2B001	CL209Z2B006

CL209-1



CL209-2



Main material and finish: ZDC hinge and steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1500N

Axial load: 1800N

Embedded screw recommended tightening torque : 10N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

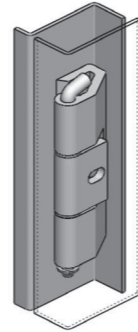
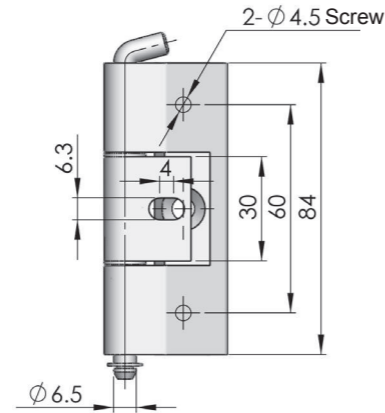
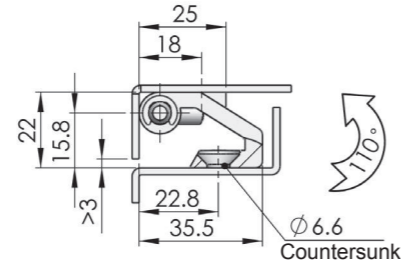
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL210

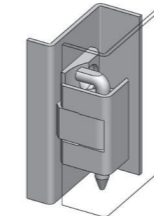
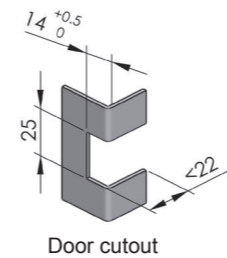
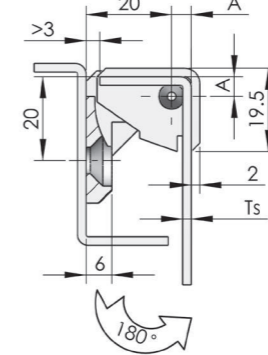
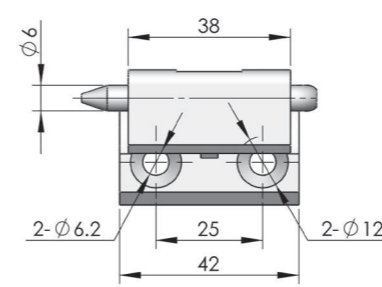


Main material and finish: ZDC hinge, steel pin, PA gasket set
Application: Opening angle 110°

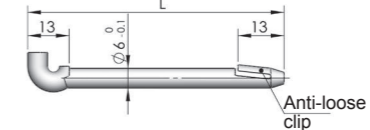
Performance parameter:
Maximum static load
Radial load: 720N
Axial load: 830N



	Matt black powder coated	Nanometer painted
ERP	CL210Z1A001	CL210Z2B001



Optional nylon pin



Part No.	L
PN001	57
PN002	78

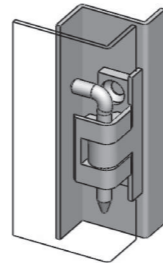
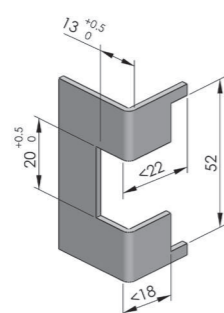
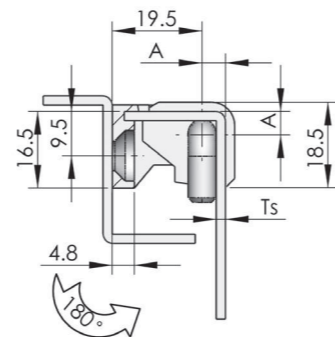
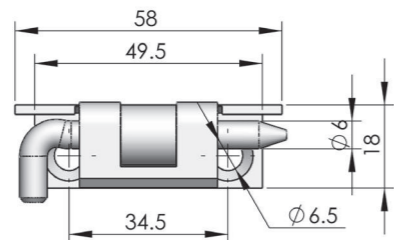
Specification	A	Model	ERP
Suitable door thickness, Ts=2mm	5.1	CL212-1	CL212Z1A001
Suitable door thickness, Ts=3mm	6.1	CL212-2	CL212Z1A003
Suitable door thickness, Ts=1.5mm	4.6	CL212-3	CL212Z1A004

CL211

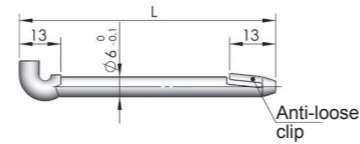


Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 1800N

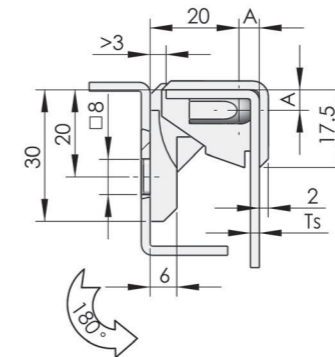
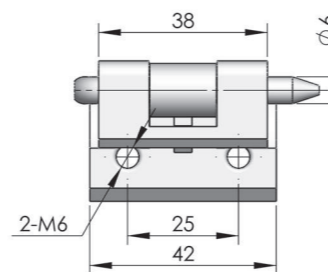
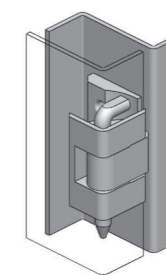
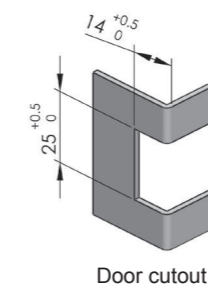
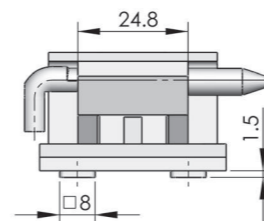


Optional nylon pin



Part No.	L
PN001	57
PN002	78

Specification	A	Model	ERP
Suitable door thickness, Ts=1.5mm	4.6	CL211-1	CL211Z1A001
Suitable door thickness, Ts=2mm	5.1	CL211-2	CL211Z1A010



ERP	Specification	A
CL212Z1A007	Suitable door thickness, Ts=2mm	5.1
CL212Z1A008	Suitable door thickness, Ts=3mm	6.1
CL212Z1A009	Suitable door thickness, Ts=1.5mm	4.6

CL212



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N

CL212-1B/2B/3B



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

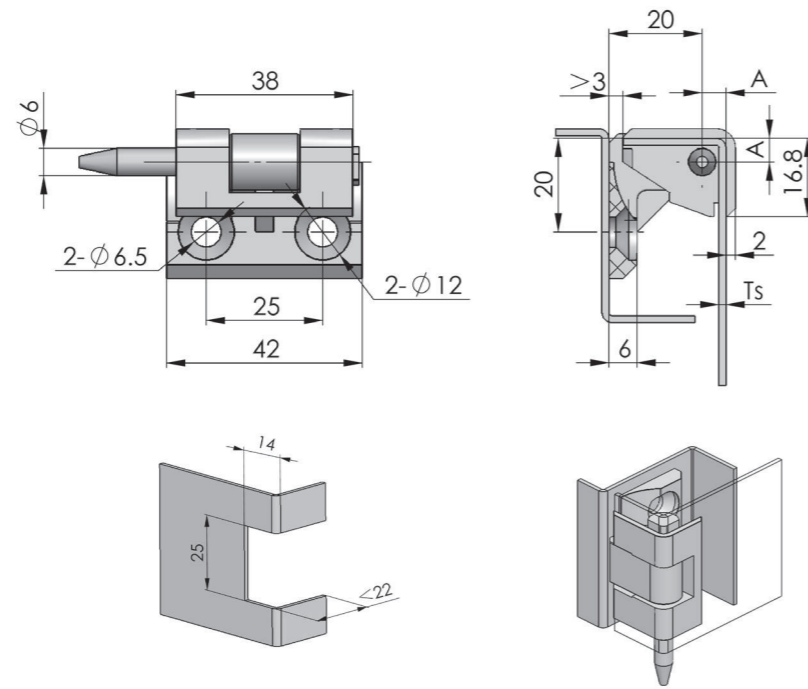
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL212-F

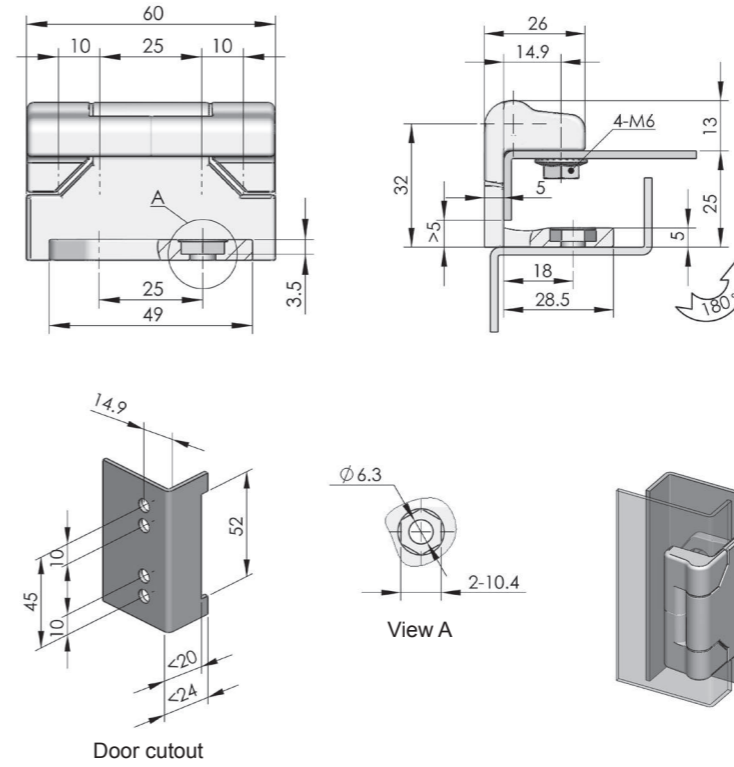


Main material and finish: Black nylon hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 77N
Axial load: 105N



Specification	A	ERP
Suitable door thickness Ts=1.0mm	4.4	CL212N00001
Suitable door thickness Ts=1.5mm	5.1	CL212N00002



ERP	CL213Z1A001
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CL213-1



Main material and finish: Black powder coated ZDC hinge, black-plated steel pin, brass gasket
Application: Opening angle 180°

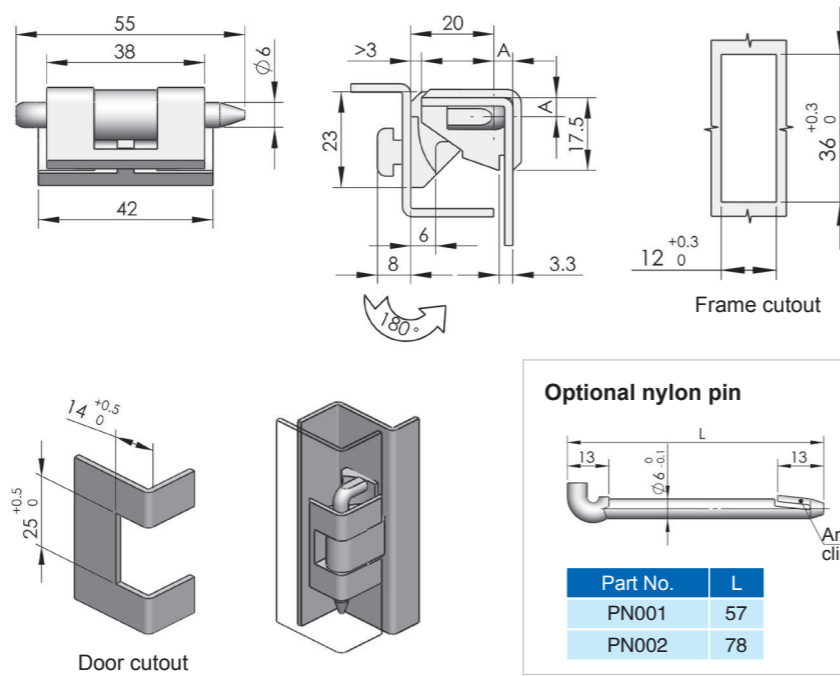
Performance parameter:
Maximum static load
Radial load: 980N
Axial load: 630N

CL212-3A

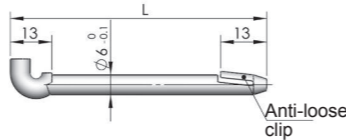


Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N

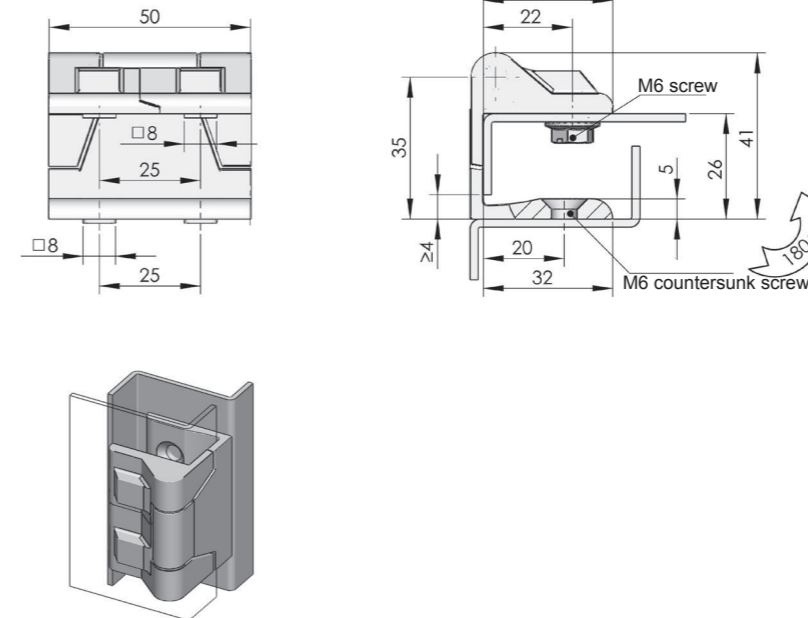


Optional nylon pin



Part No.	L
PN001	57
PN002	78

ERP	Specification	A
CL212Z1A002	Suitable door thickness, Ts=2mm	5.1
CL212Z1A005	Suitable door thickness, Ts=3mm	6.1
CL212Z1A006	Suitable door thickness, Ts=1.5mm	4.6



ERP	Black powder coated	Pocked black powder coated
ERP	CL213Z1A003	CL213Z1B002

CL213-2



Main material and finish: ZDC hinge, brass gasket and steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 575N
Axial load: 1030N

CL213-3



Main material and finish: ZDC hinge, PA shaft

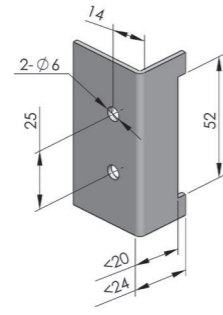
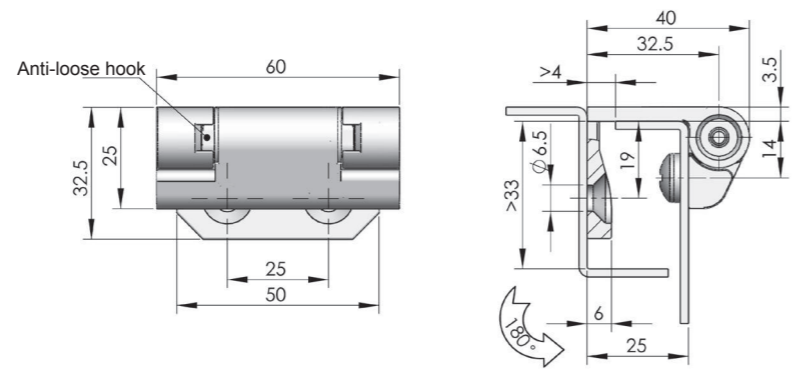
Application: Opening angle 180°

Performance parameter:

Maximum static load

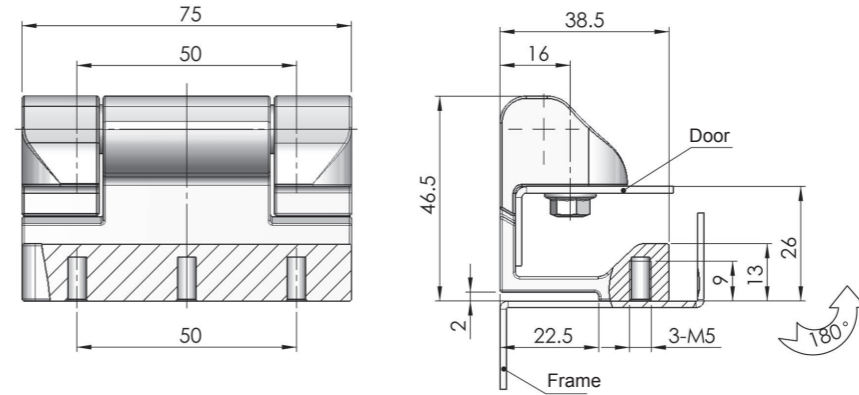
Radial load: 670N

Axial load: 255N



Door cutout

	Black powder coated	Pocked black powder coated
ERP	CL213Z1A004	CL213Z1B003



ERP	CL213ZXX003
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CL213-7



Main material and finish: Powder coated ZDC half-concealed hinge

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 680N

Axial load: 1225N

CL213-6



Main material and finish: Black powder coated hinge, brass washer and steel pin

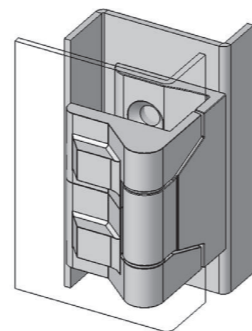
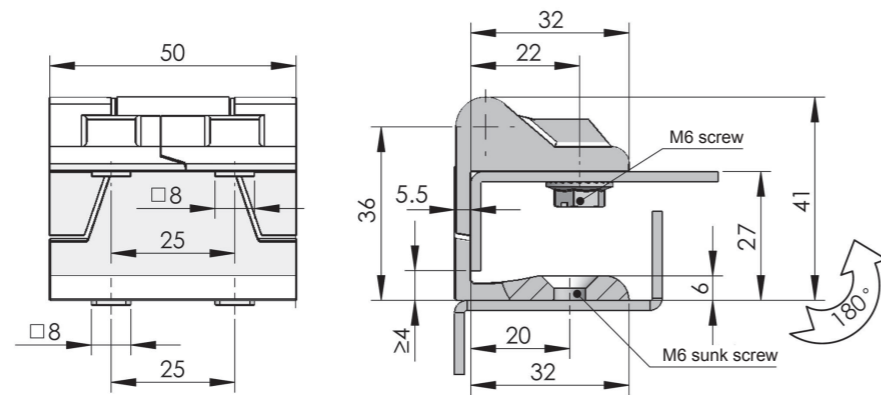
Application: Opening angle 180°

Performance parameter:

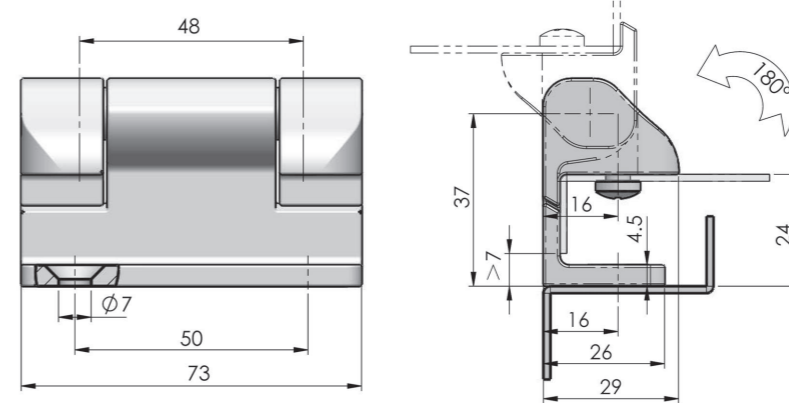
Maximum static load

Radial load: 1225N

Axial load: 775N



ERP	CL213Z1A007
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ERP	CL213ZXX007
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CL213-9



Main material and finish: Orange-peel (RAL7035) powder coated ZDC hinge leaf and stainless steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 320N

Axial load: 350N



CL214



Main material and finish: ZDC hinge and steel pin

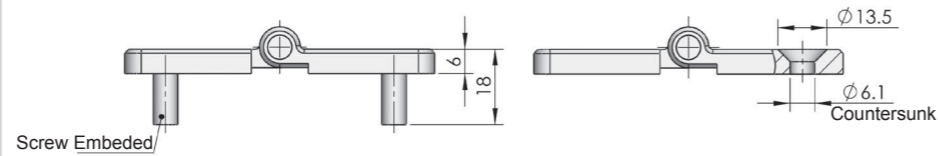
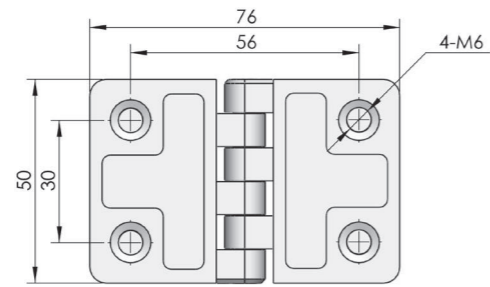
Application: Opening angle 180°

Performance parameter:

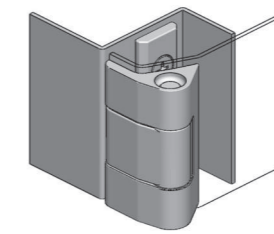
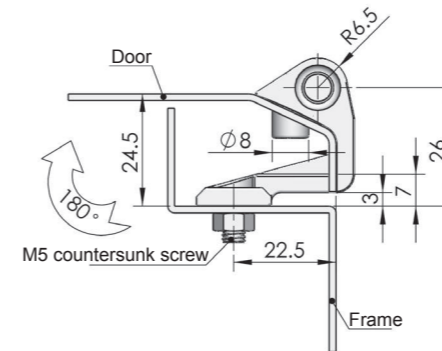
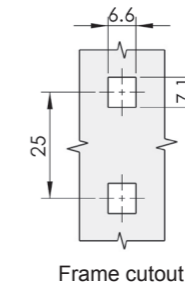
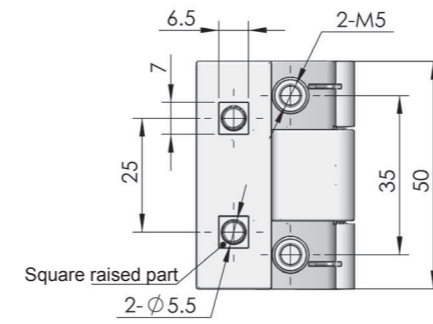
Maximum static load

Radial load: 1125N

Axial load: 1490N



Specification	ERP	
	CL214-1	CL214-2
Bright chrome-plated	CL214Z3A001	CL214Z3A002
Matt black powder coated	CL214Z1A001	CL214Z1A003
Pocked black powder coated	CL214Z1B001	CL214Z1B002
Nanometer painted	CL214Z2B001	CL214Z2B002



ERP

CL216Z1A001

CL216



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 570N

Axial load: 480N

CL215



Main material and finish: White zinc plated steel hinge, PA washer

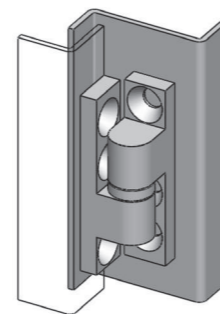
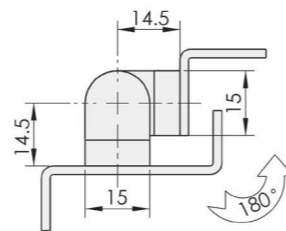
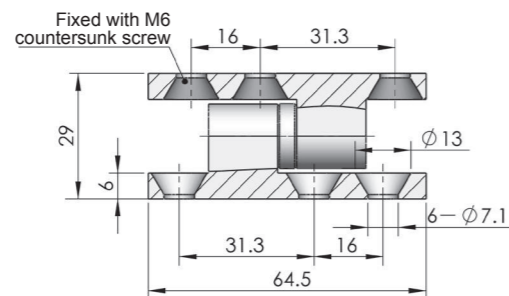
Application: Opening angle 180°

Performance parameter:

Maximum static load

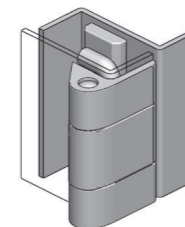
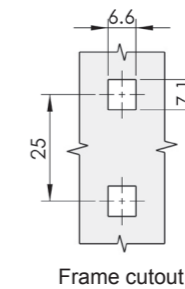
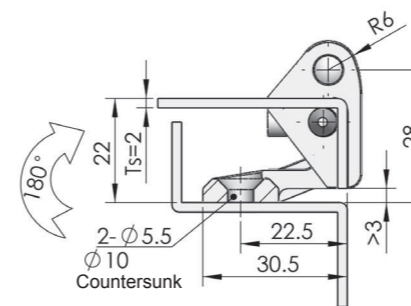
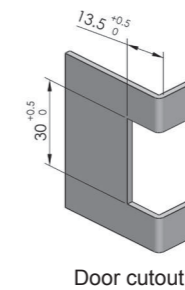
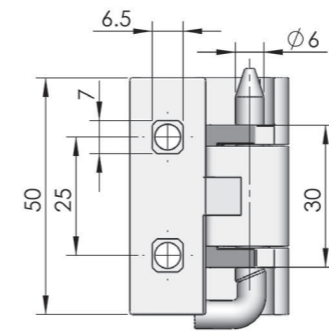
Radial load: 750N

Axial load: 850N



ERP

CL215F3D001



ERP

CL217Z1A001

CL217



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 550N

Axial load: 470N

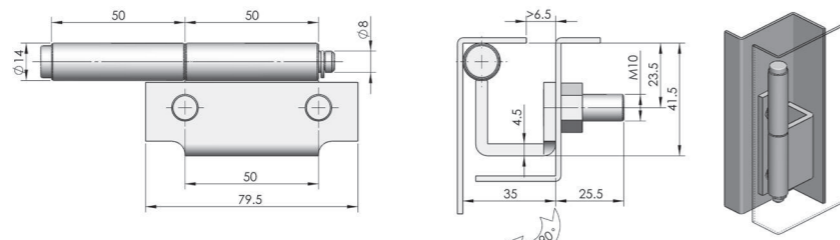
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL218



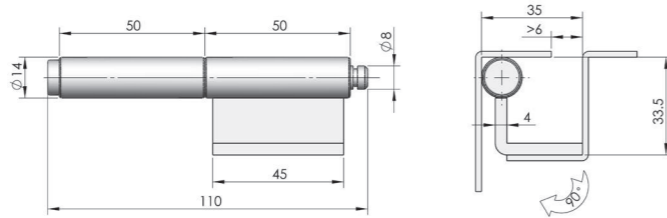
Main material and finish: White zinc-plated steel hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 570N
Axial load: 780N



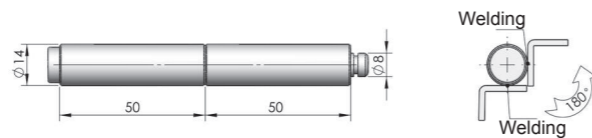
CL218-1

ERP CL218F3D001



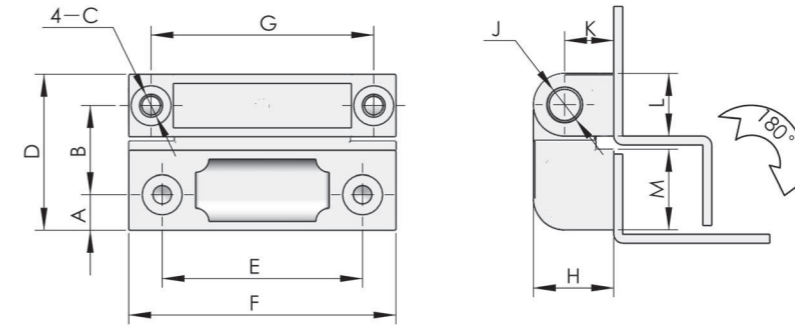
CL218-2

ERP CL218F3D002

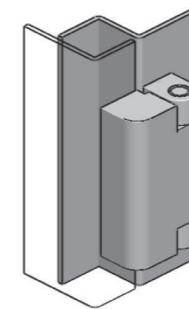


CL218-3

ERP CL218F3D003



O-ring seals onto the screw holes will be provided if required



O-ring seals onto the screw holes will be provided if required

ERP	Specification												
	Structure	A	B	C	D	E	F	G	H	J	K	L	M
CL219Z1A001	Non-damping	8	20	M5	35	45	60	50	18	∅8	11	14	18
CL219Z1A005	Non-damping	4	13	M4	22	22	30	22	13	∅5	8	10	9
CL219Z1A007	Non-damping	4	18.5	M4	27.5	22	30	22	13	∅5	8	10	14.5

CL219



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load

Model: CL219-1
Radial load: 1000N
Axial load: 1200N

Model: CL219-2
Radial load: 600N
Axial load: 460N

Model: CL219-3
Radial load: 700N
Axial load: 800N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

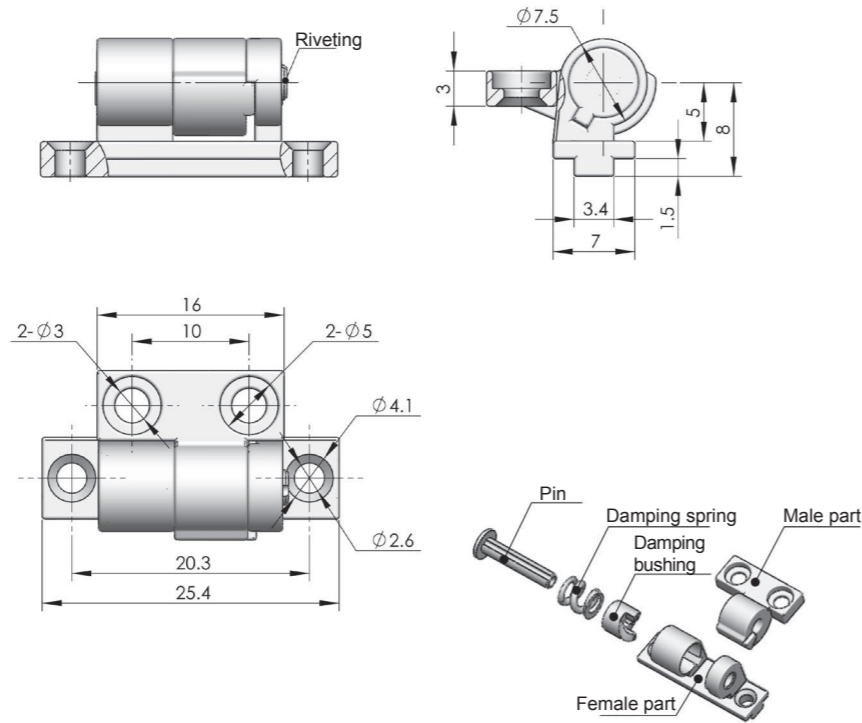
CL220



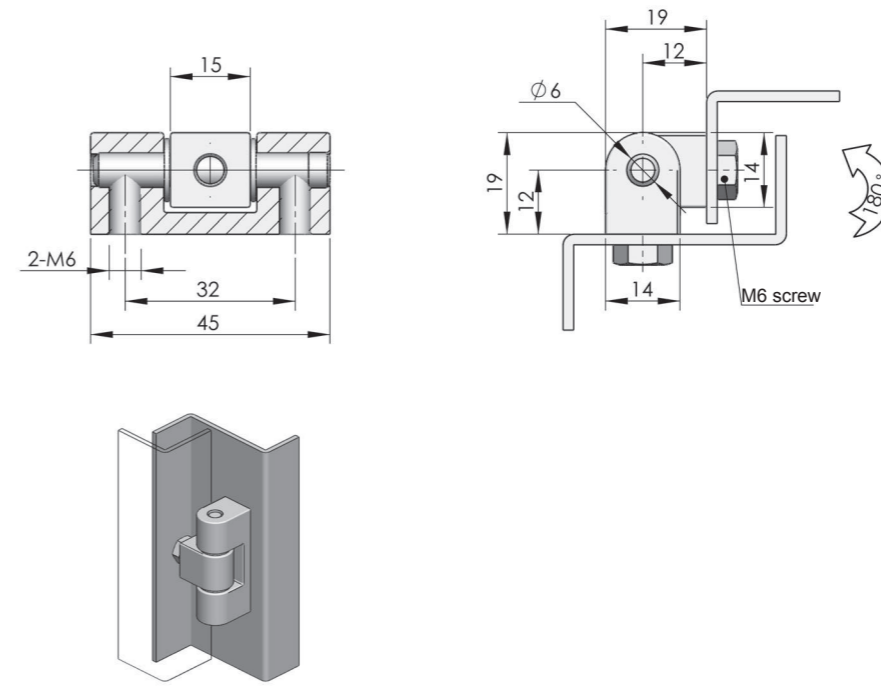
Main material and finish: Gray chrome-plated ZDC hinge, nickel-plated steel pin

Performance parameter:

Maximum static load
Radial load: 290N
Axial load: 160N



ERP	CL220Z3B001
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	Black powder coated	Pocked black powder coated	Bright chrome-plated	Nanometer painted
ERP	CL222Z1A001	CL222Z1B001	CL222Z3A001	CL222Z2B002

CL222



Main material and finish: ZDC hinge, nickel-plated steel pin, PA bushing

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1675N
Axial load: 2000N

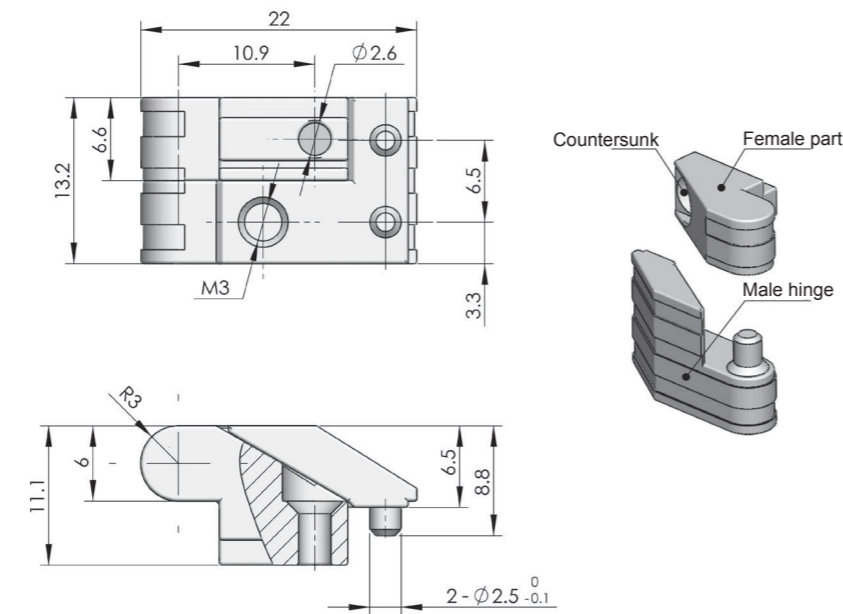
CL221



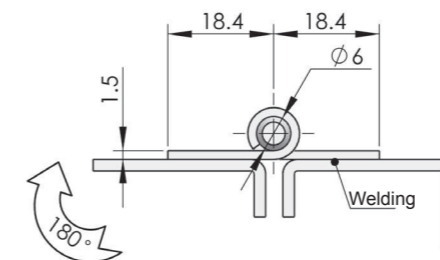
Main material and finish: Nanometer painted ZDC hinge

Performance parameter:

Maximum static load
Radial load: 55N
Axial load: 75N



ERP	Specification
CL221Z2B001	LH applicable
CL221Z2B002	RH applicable



ERP	CL223F3D001
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CL223



Main material and finish: White zinc plated steel hinge leaf

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 390N
Axial load: 1260N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL225



CL225-1



CL225-1A



CL225-2



Main material and finish: White zinc plated steel hinge leaf

Performance parameter:
Maximum static load

Model: CL225-1/1A

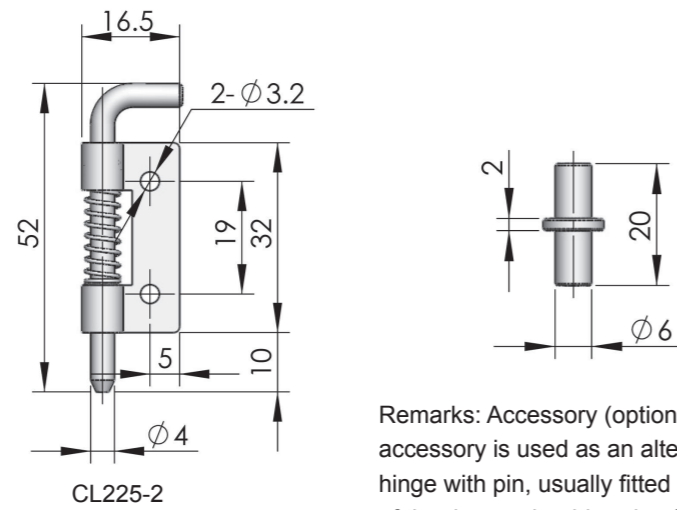
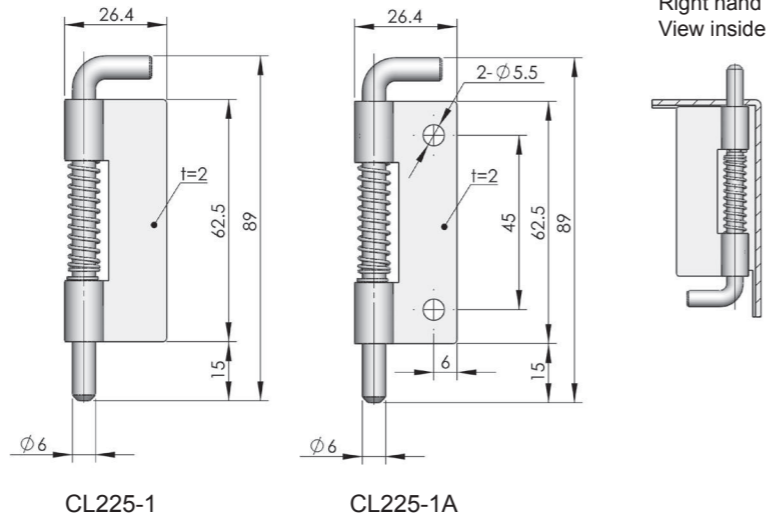
Radial load: 150N

Axial load: 200N

Model: CL225-2

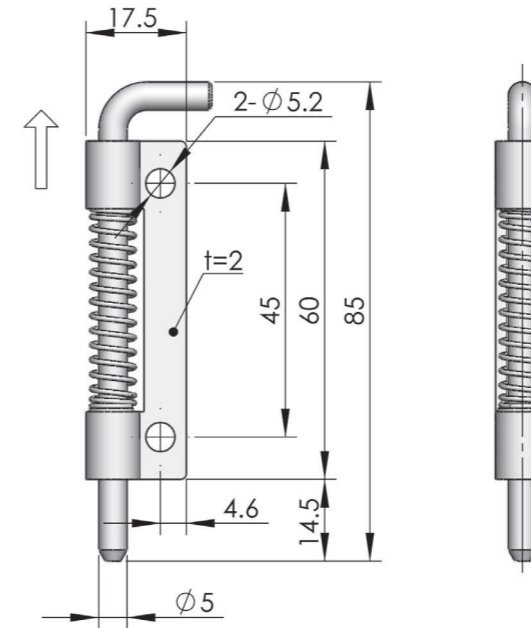
Radial load: 100N

Axial load: 130N

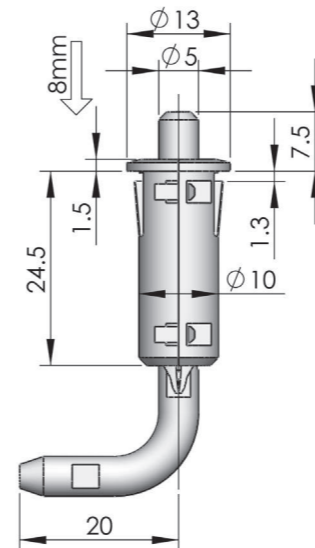


Remarks: Accessory (optional) This accessory is used as an alternative to the hinge with pin, usually fitted at the bottom of the door as load-bearing fixing door

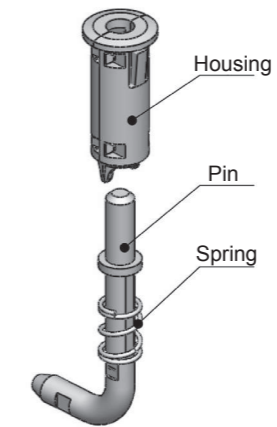
LH		RL		Specification
Model	ERP	Model	ERP	
CL225-1-Z	CL225F3D001	CL225-1-Y	CL225F3D004	Standard type: white zinc plated steel hinge. A means hinge with two mounting holes, S means grinding vibration polishing stainless steel hinge.
CL225-1-S-Z	CL225S00001	CL225-1-S-Y	CL225S00002	
CL225-1A-Z	CL225F3D008	CL225-1A-Y	CL225F3D007	
CL225-1A-S-Z	CL225S00010	CL225-1A-S-Y	CL225S00011	
CL225-2-Z	CL225F3D011	CL225-2-Y	CL225F3D012	White zinc plated steel hinge with two mounting holes



	LH	RH
ERP	CL225F3D022	CL225F3D019



Exploded drawing



ERP	CL225N00001
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CL225-3



CL225-3-Y

CL225-3-Z



Main material and finish: White zinc plated steel hinge leaf

Performance parameter:

Maximum static load

Radial load: 150N

Axial load: 250N

CL225-5



Main material and finish: Black PA housing, white zinc-plated ZDC latch, stainless steel spring

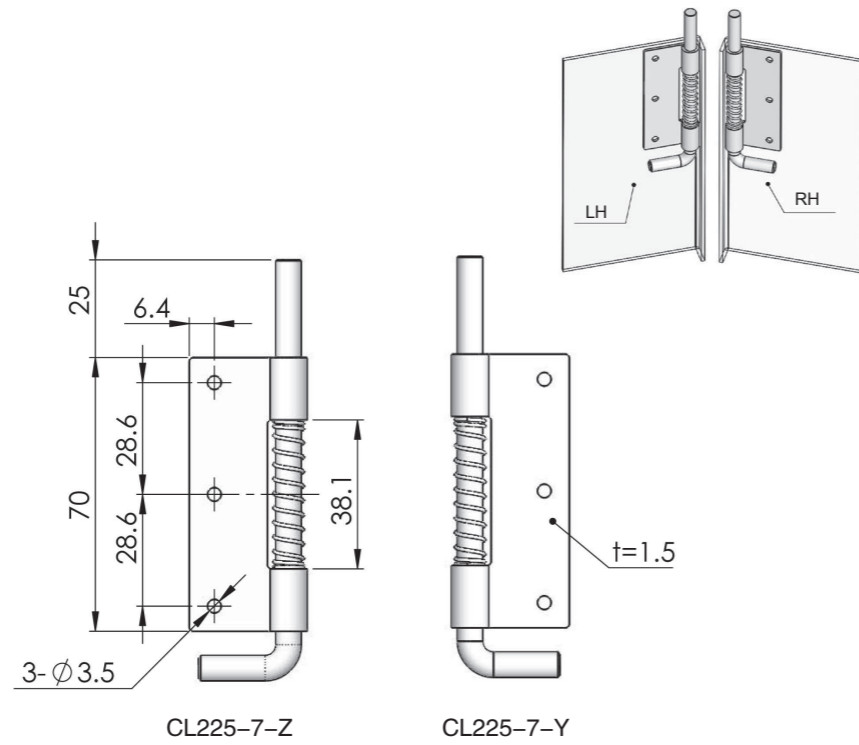
Application: Telescopic 8mm

CL225-7



Main material and finish: White zinc plated steel hinge leaf

Performance parameter:
Maximum static load
Radial load: 525N
Axial load: 125N



	CL225-7-Z LH	CL225-7-Y RH
ERP	CL225F3J001	CL225F3J002

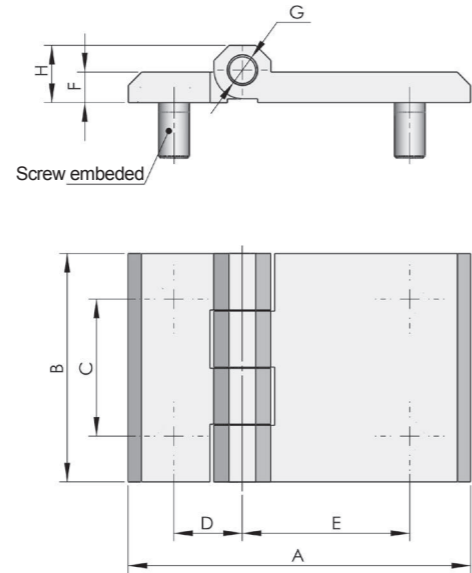
CL226-4A



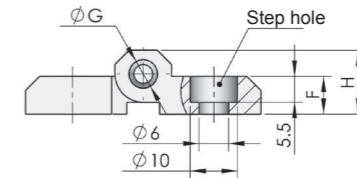
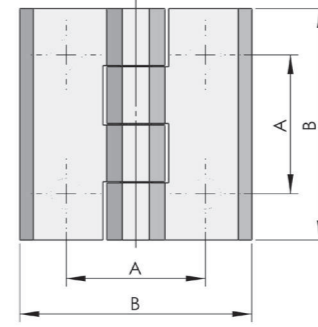
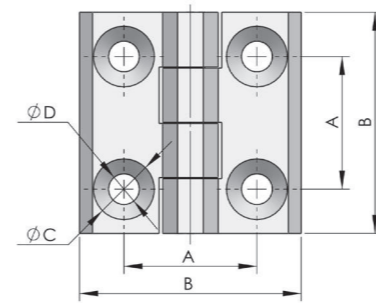
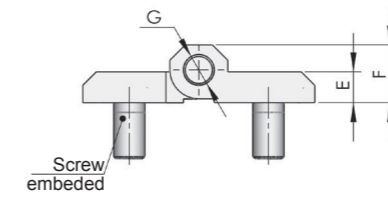
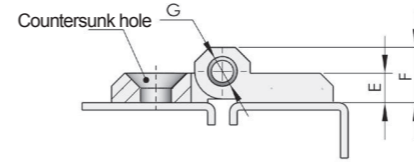
Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 1120N
Axial load: 1200N

Embedded screw recommended tightening torque : 12N.m



Model	ERP	Specification								Remarks
		A	B	C	D	E	F	G	H	
CL226-4-1	CL226Z1A019	90	60	36	18	44	8	8	15	∅8.4 Countersunk hole,ZDC
CL226-4A-1	CL226Z1A020	90	60	36	18	44	8	8	15	M8 Screw embedded, ZDC
CL226-4-2	CL226Z1A021	63	50	30	15	28	6	6	11.5	∅6.3 Countersunk hole, stainless steel
CL226-4A-2	CL226Z1A022	63	50	30	15	28	6	6	11.5	M6 Screw embedded, ZDC



Model	ERP	Specification							Remarks
		A	B	C	D	E	F	G	
CL226-1	CL226Z1A001	36	60	16.5	8.4	8	15	8	Countersunk hole,ZDC
CL226-1A	CL226Z1A006	36	60	16.5	8.4	8	15	8	Screw embedded, ZDC
CL226-1B	CL226S9C001	36	60	16.5	8.4	8	15	8	Countersunk hole,stainless steel
CL226-2	CL226Z1A009	30	50	12.5	6.3	6	11.5	6	Countersunk hole,ZDC
CL226-2A	CL226Z1A010	30	50	Refer to detailed drawing	6	11.5	6	6	Screw embedded, ZDC
CL226-2C	CL226Z1A011	30	50	Refer to detailed drawing	6	11.5	6	6	Step hole,ZDC
CL226-2S	CL226N00001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,PA
CL226-2B	CL226S4B001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,stainless steel
CL226-3	CL226Z1A015	25	40	10.2	5.3	5	9	4	Countersunk hole,ZDC
CL226-3A	CL226Z1A017	25	40	10.2	5.3	5	9	4	Screw embedded, ZDC

CL226



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:

Maximum static load
Model: CL226-1
Radial load: 1500N Axial load: 1800N
Model: CL226-2
Radial load: 1200N Axial load: 1300N
Model: CL226-3
Radial load: 1000N Axial load: 1200N
Model: CL226-2A
Radial load: 1200N Axial load: 1300N
Embedded screw recommended tightening torque : 10N.m

CL226-5A



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

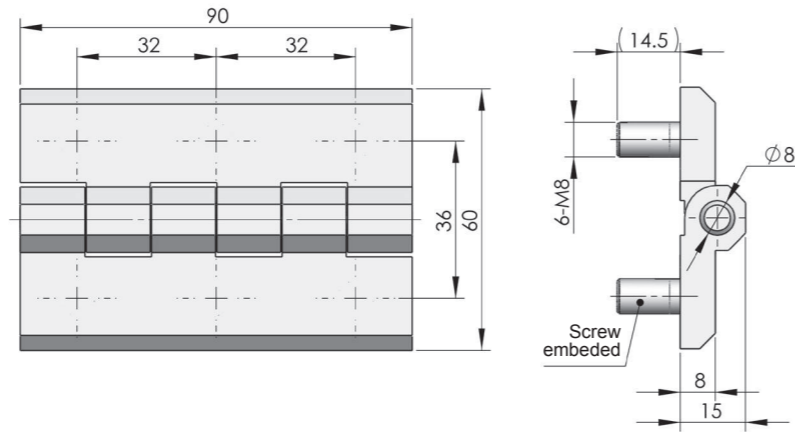
Performance parameter:

Maximum static load

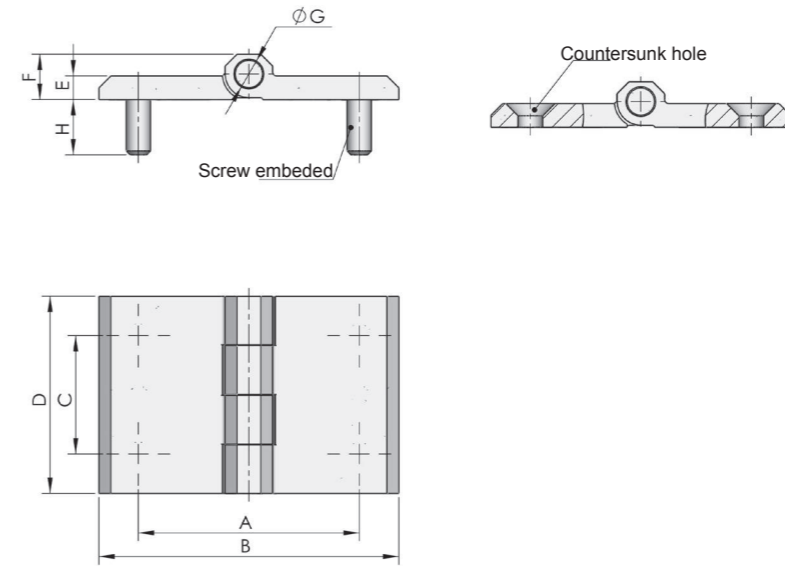
Radial load: 1120N

Axial load: 1200N

Embedded screw recommended tightening torque : 12N.m



	CL226-5A-Z LH	CL226-5A-Y RH
ERP	CL226Z1A024	CL226Z1A025



Model	ERP	Specification								Remarks
		A	B	C	D	E	F	G	H	
CL226-7-1	CL226Z1A028	56	76	30	50	6	11.5	6		Ø6.3 Countersunk hole, ZDC
CL226-7A-1	CL226Z1A029	56	76	30	50	6	11.5	6	12.5	M6 Screw embedded, ZDC
CL226-7-2	CL226Z1A034	88	120	36	60	8	15	8		Ø6.8 Countersunk hole, ZDC
CL226-7A-2	CL226Z1A030	88	120	36	60	8	15	8	16.5	M8 Screw embedded, ZDC

**CL226-7
CL226-7A**



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1120N

Axial load: 1200N

Embedded screw recommended tightening torque : 12N.m

CL226-6A



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

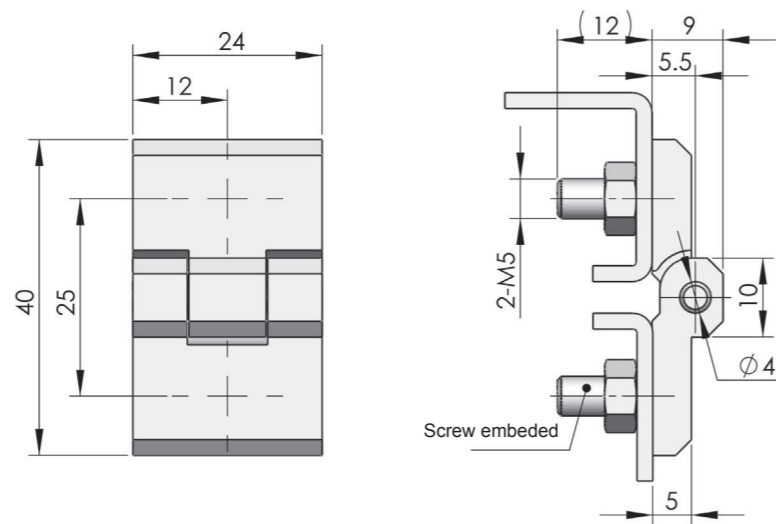
Performance parameter:

Maximum static load

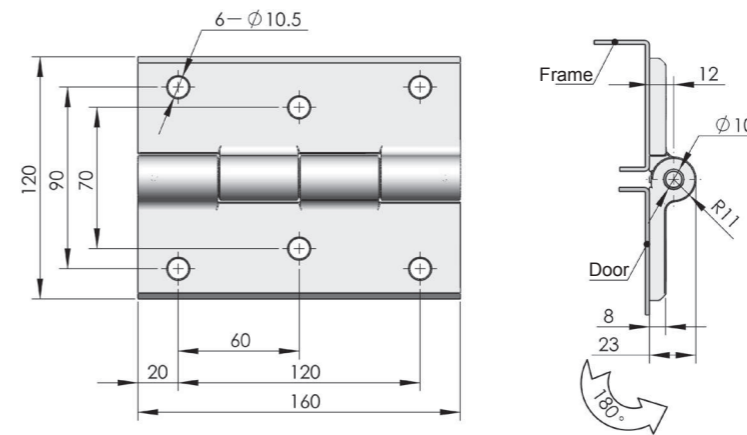
Radial load: 520N

Axial load: 210N

Embedded screw recommended tightening torque : 9N.m



ERP	CL226Z1A026
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ERP	CL226F2B001
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CL226-8



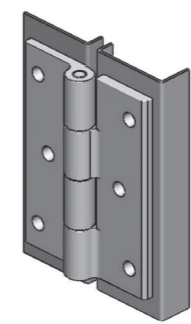
Main material and finish: Nanometer painted steel hinge leaf, shaft
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 3000N

Axial load: 3000N



Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

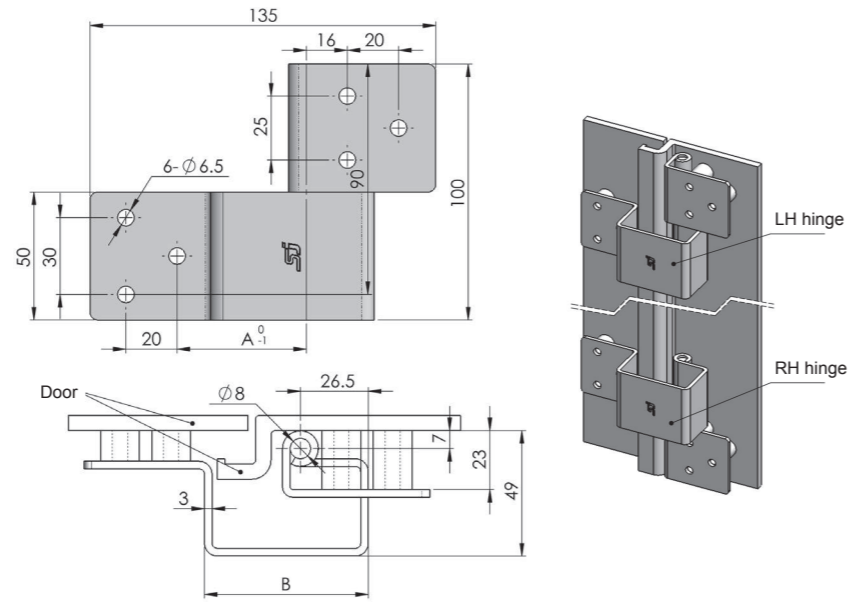
Seal gasket



CL229-2A
CL229-2B

Main material and finish:Electrolysis stainless steel hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 425N
Axial load: 225N



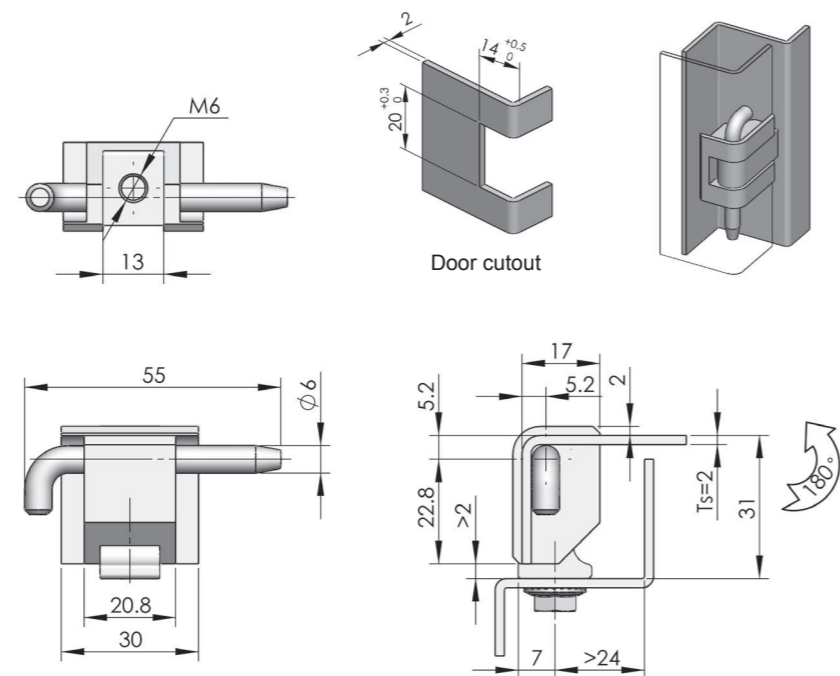
Model	ERP	Specification	
		A	B
CL229-2A-Z	CL229S9C001	50.5	64
CL229-2A-Y	CL229S9C003	50.5	64
CL229-2B-Z	CL229S9C002	56.5	68
CL229-2B-Y	CL229S9C004	56.5	68



CL230-3

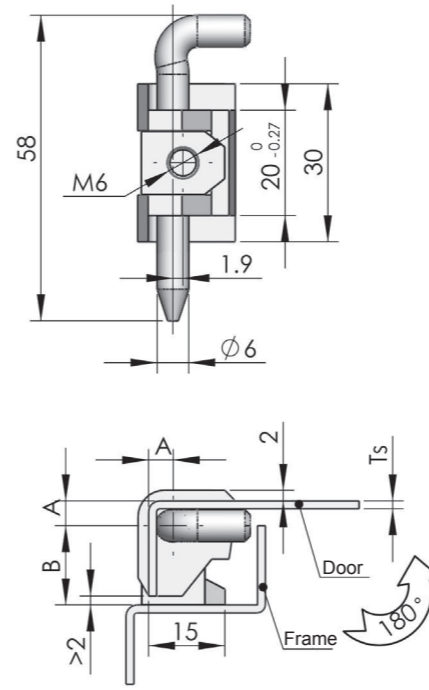
Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 940N
Axial load: 720N

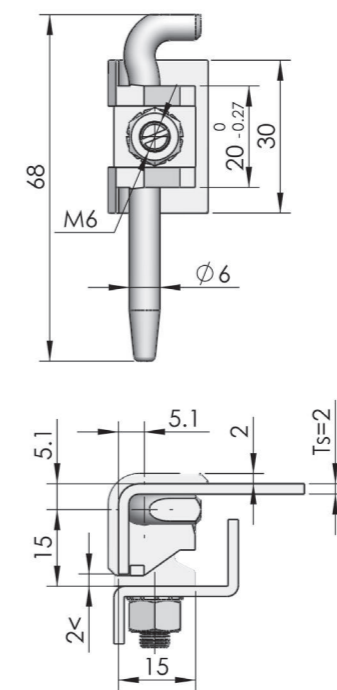


Remarks: Nylon pin optional, details refer to CL230

ERP	CL230Z1A026
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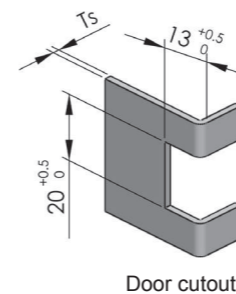


CL230

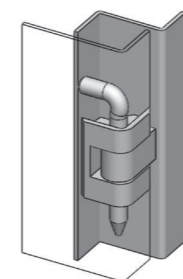


CL230-4

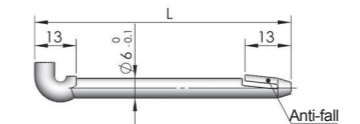
ERP	CL230S4B001
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Door cutout



Nylon pin (Optional)



Part No.	L
PN001	57
PN002	78

Model	ERP	Specification		
		Ts	A	B
CL230-1	CL230Z1A001	Ts=1.5	4.6	15
CL230-2	CL230Z1A013	Ts=2	5.1	15
CL230-1A	CL230Z1A004	Ts=1.5	4.6	17
CL230-2A	CL230Z1A016	Ts=2	5.1	17
CL230-1B	CL230Z1A007	Ts=1.5	4.6	19
CL230-2B	CL230Z1A019	Ts=2	5.1	19



CL230

Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Model: CL230-1
Radial load: 940N **Axial load:** 720N



CL230-4

Main material and finish: Wire-drawing polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 900N
Axial load: 700N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

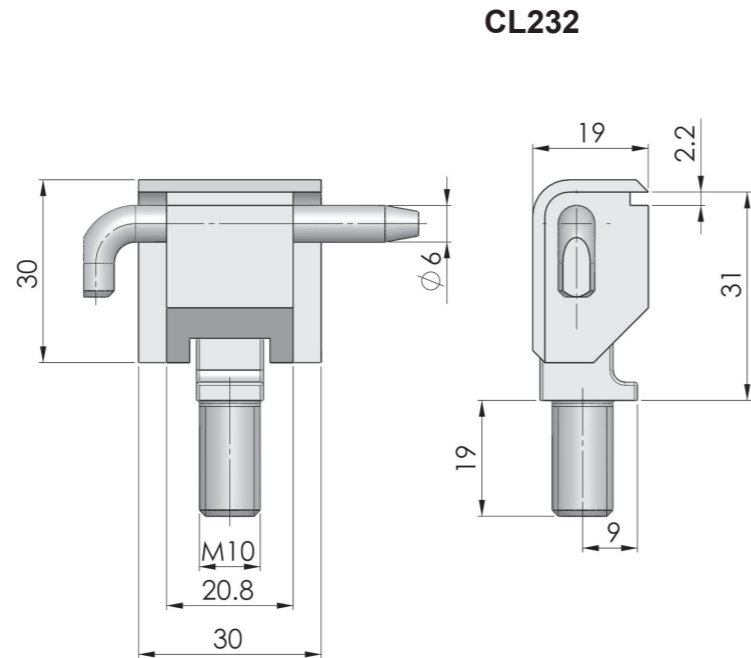
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL230-3-1D

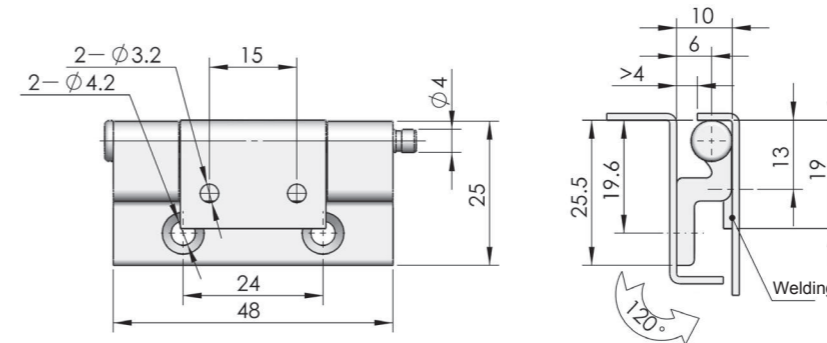


Main material and finish: Bright chrome plated ZDC hinge and steel shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 940N
Axial load: 720N



ERP CL230Z3A019



ERP CL232Z3H001

CL232



Main material and finish: Sand-spraying and bright chrome-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin
Application: Opening angle 120°

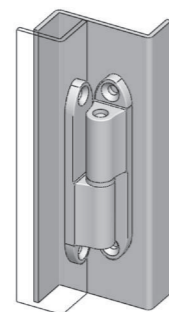
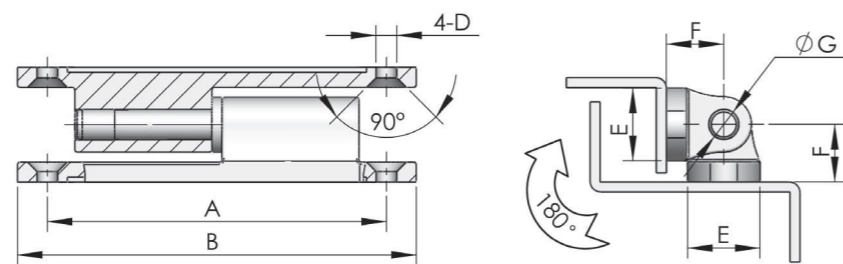
Performance parameter:
Maximum static load
Radial load: 420N
Axial load: 1050N

CL231

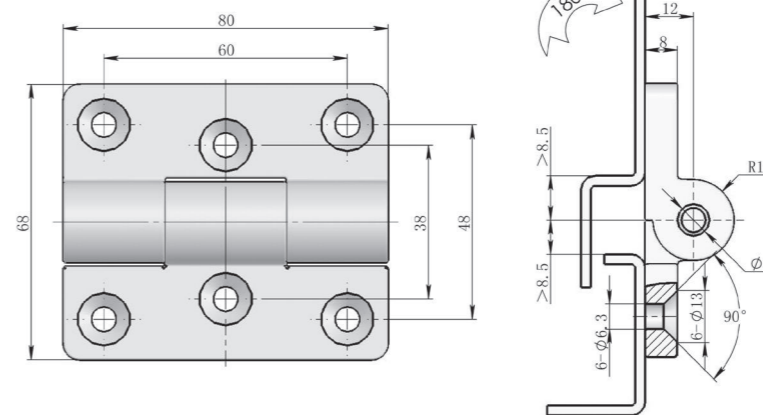


Main material and finish: Bright chrome plated ZDC hinge, nickel-plated steel pin, brass gasket
Application: Opening angle 180°

Performance parameter:
Maximum static load
Model: CL231-1
Radial load: 330N **Axial load:** 760N
Model: CL231-2
Radial load: 575N **Axial load:** 125N



Model	ERP	Specification						
		A	B	C	D	E	F	G
CL231-1	CL231Z3A001	68	80	∅8	∅4.2	14.5	11.5	∅6
CL231-2	CL231Z3A004	48	60	∅9.4	∅4.5	13	9.5	∅5



ERP CL233S9C001

CL233



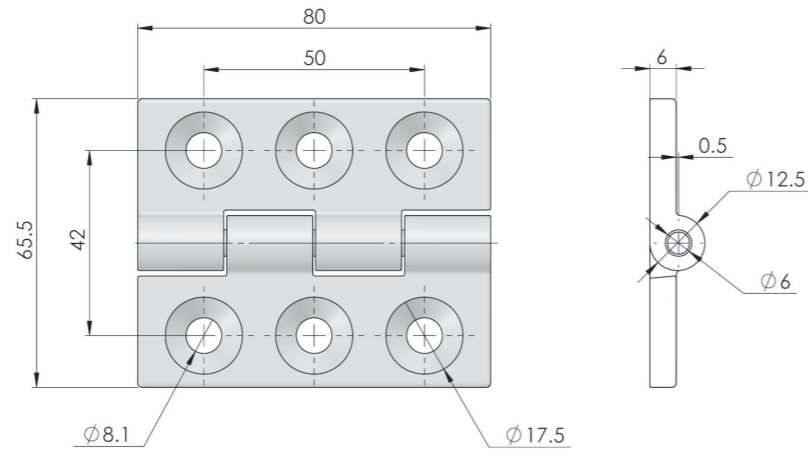
Main material and finish: Electrolysis or polishing stainless steel hinge
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N

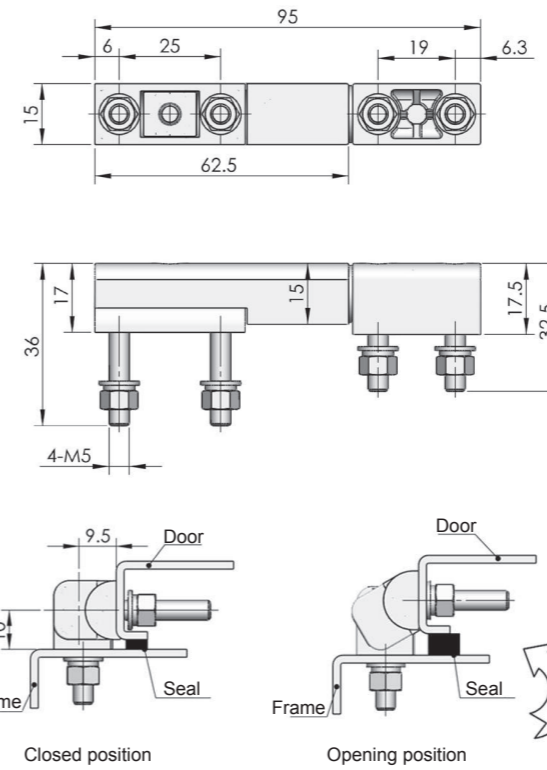
CL233-2



Main material and finish: Black powder coated ZDC hinge, steel pin
Application: Opening angle 90°
Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1200N



ERP CL233Z1A001



ERP CL235Z1B001

CL235

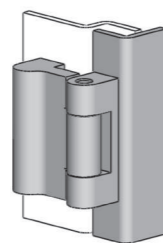
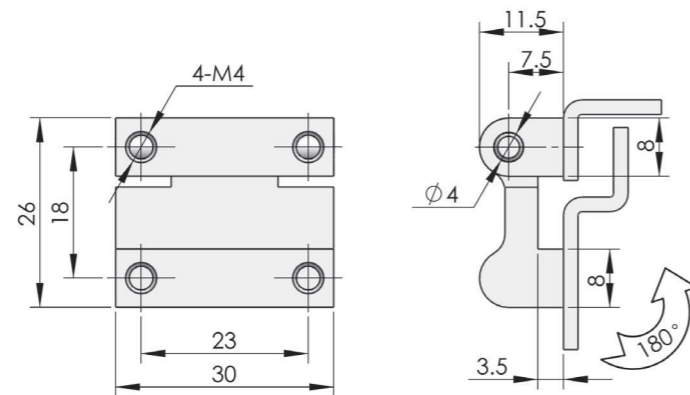


Main material and finish: Pocked black powder coated ZDC hinge, stainless steel screw
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 165N
Axial load: 980N

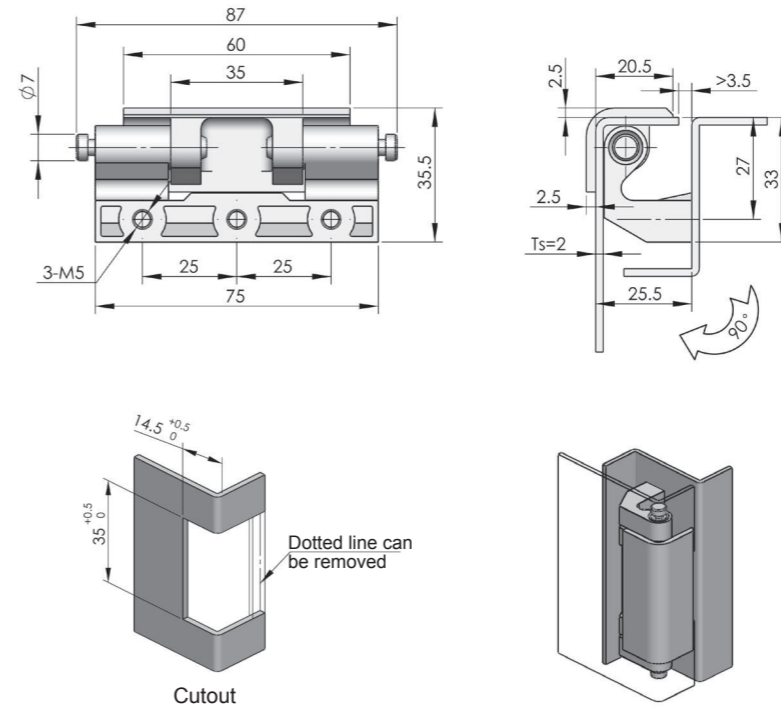
CL234



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1150N
Axial load: 700N



	Black powder coated	Nanometer painted
ERP	CL234Z1A001	CL234Z2B001



	Black painted	Nanometer painted
ERP	CL236Z2A001	CL236Z2B001

CL236



Main material and finish: Black painted ZDC hinge, white zinc-plated steel pin
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1250N
Axial load: 600N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

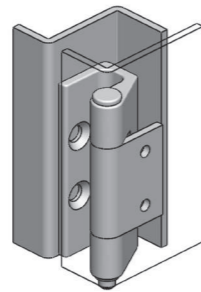
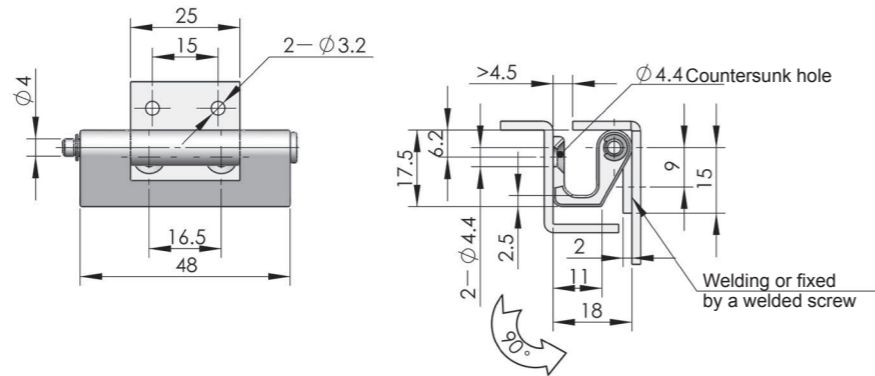
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL237

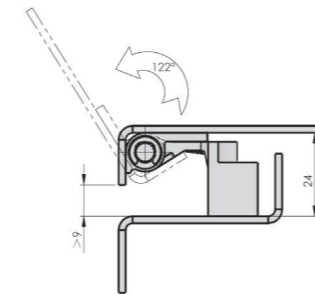
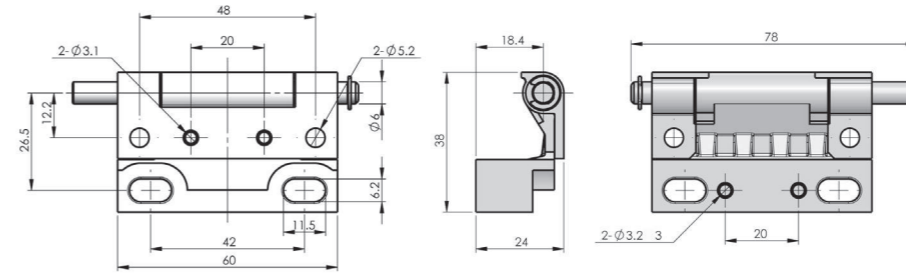


Main material and finish: Sand-spraying and nickel-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 1295N
Axial load: 290N



ERP	Sand-spraying and bright chrome-plated CL237Z3H001	Sand-spraying and nickel-plated CL237Z3I001
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ERP	CL237Z00001
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CL237-3



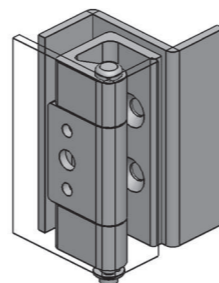
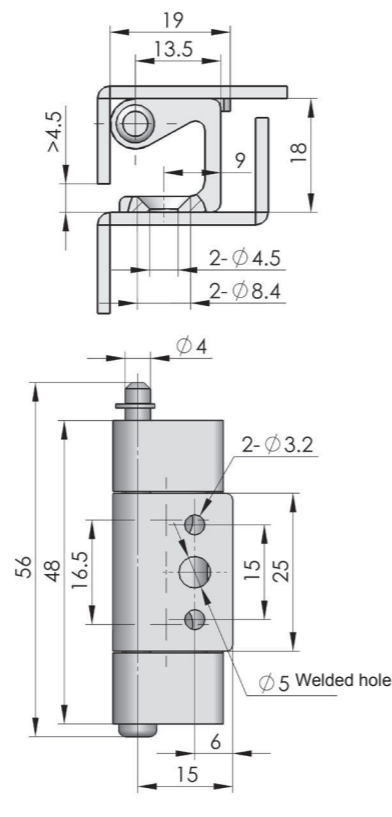
CL237-2



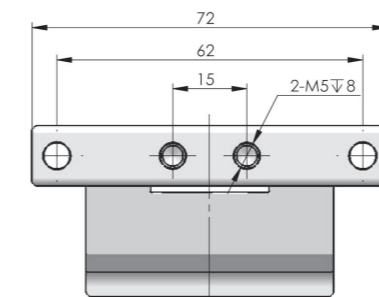
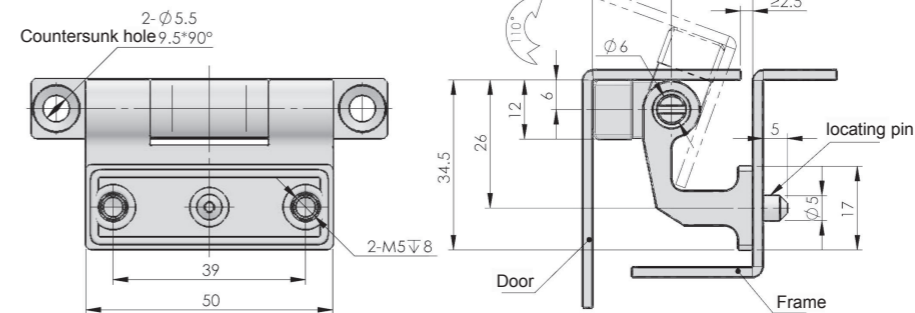
Main material and finish: Griega painted (high salt mist resistant) female hinge, electrolysis male hinge and 316 stainless steel shaft

Application: Maximum opening angle 100°
Remarks: Female hinge fixed with M4 screw (not provide), male hinge fixed with riveting or welding of cabinet door

Performance parameter:
Maximum static load
Radial load: 750N
Axial load: 365N



ERP	CL237S2G001
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ERP	CL237Z1A001
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CL237-4



Main material and finish: Black powder coated ZDC hinge leaf, stainless steel pin and silicone washer
Application: Opening angle 110°

Performance parameter:
Maximum static load
Radial load: 1180N
Axial load: 1540N

Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

Panel lock
Toggle and hook
Handles
Door stop

Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

Panel lock
Toggle and hook
Handles
Door stop

CL238



CL238-1



CL238-2

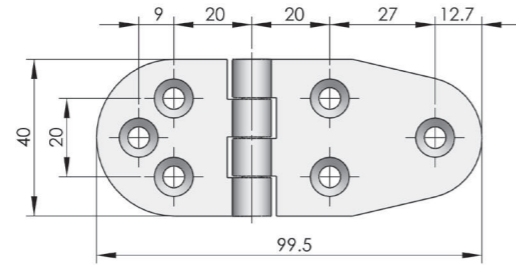
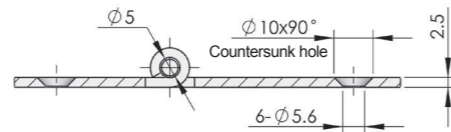


CL238-3

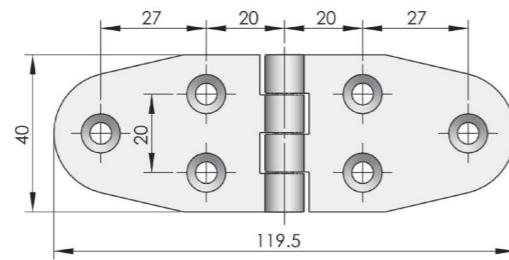


Main material and finish: Electrolysis stainless steel hinge
Application: Opening angle 180°

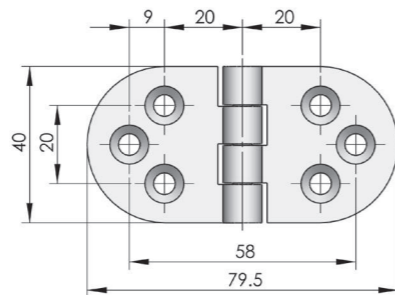
Performance parameter:
Maximum static load
Radial load: 520N
Axial load: 600N



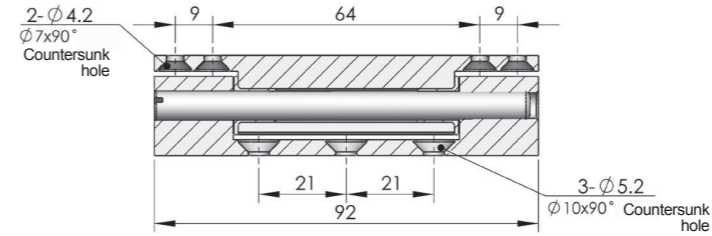
ERP CL238S9C001



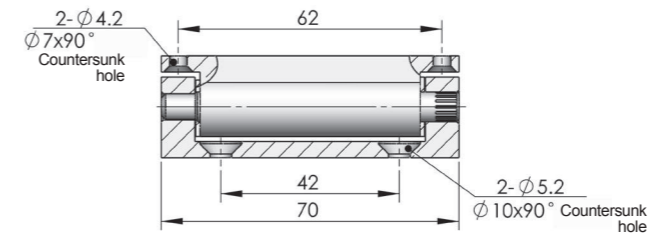
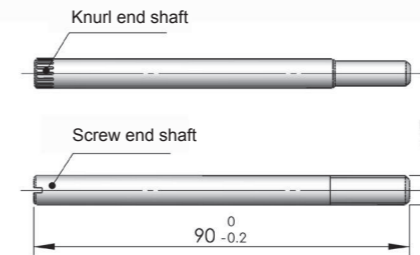
ERP CL238S9C002



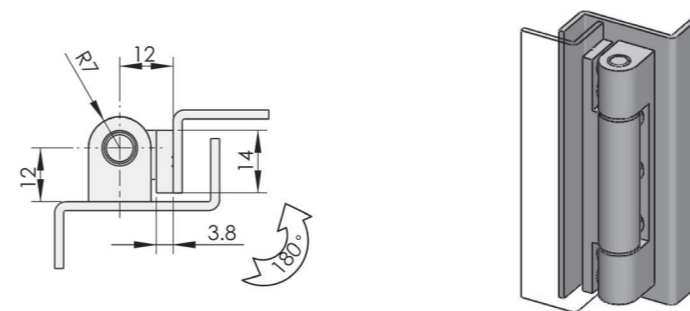
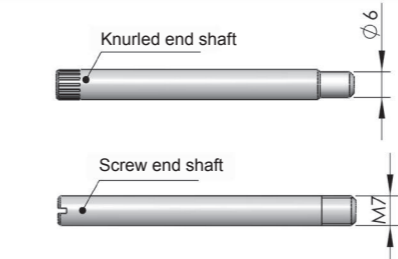
ERP CL238S9C003



CL240-1



CL240-2



Model	ERP	Specification
CL240-1	CL240A9A001	With knurl end shaft
CL240-1D	CL240A9A002	With screw end shaft
CL240-2	CL240A9A003	With knurl end shaft
CL240-2D	CL240A9A004	With screw end shaft

CL240-1
CL240-2



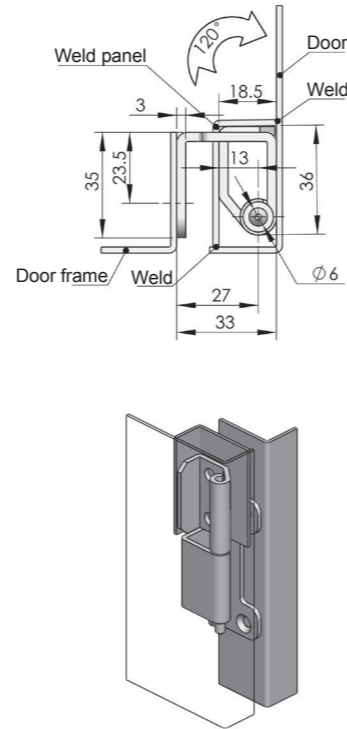
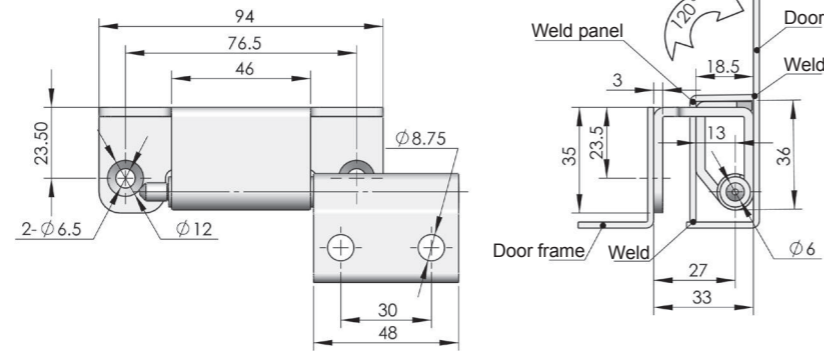
Main material and finish: Oxidation aluminum alloy hinge, stainless steel shaft, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 500N
Axial load: 600N

CL244

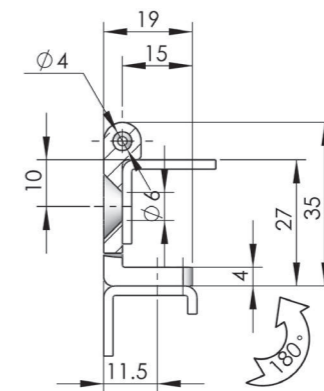
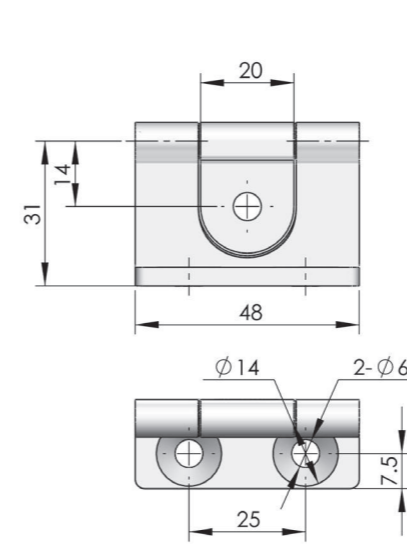


Main material and finish: White zinc plated steel hinge and pin
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 270N
Axial load: 305N



ERP

CL244F3D001



ERP

CL247Z1A001

CL247

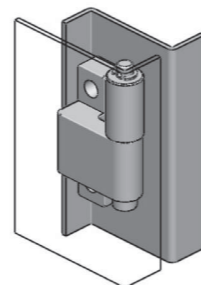
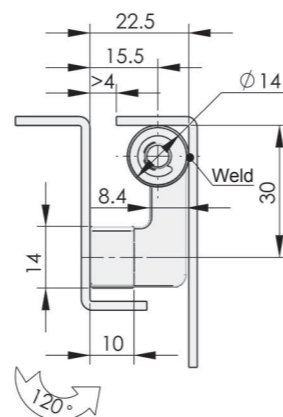
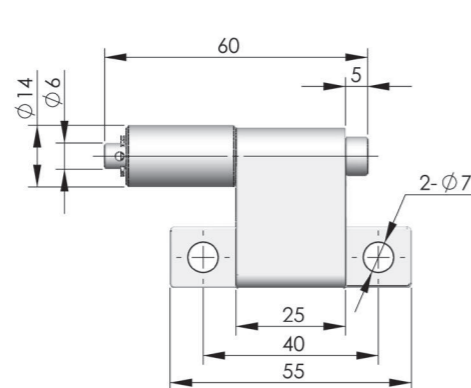


Main material and finish: Black powder coated ZDC hinge, white zinc-plated steel pin
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 780N
Axial load: 490N

CL246

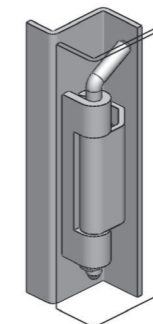
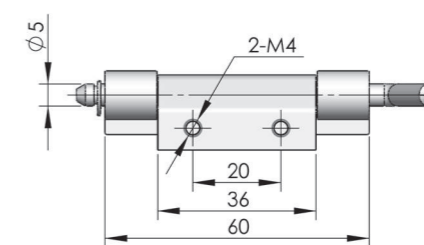
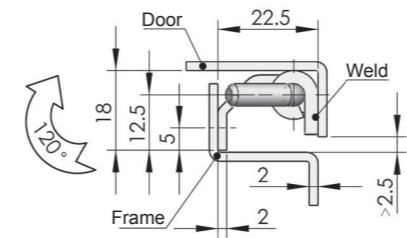


Main material and finish: Sand-spraying and bright chrome-plated ZDC hinge, white zinc-plated steel pin
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 820N



ERP

CL246Z3H001



Model	ERP	Specification
CL248-1	CL248F3D001	White zinc plated steel
CL248-S	CL248S9C001	Electrolysis SUS316 hinge

CL248



Main material and finish: White zinc plated steel and pin
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 280N
Axial load: 250N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

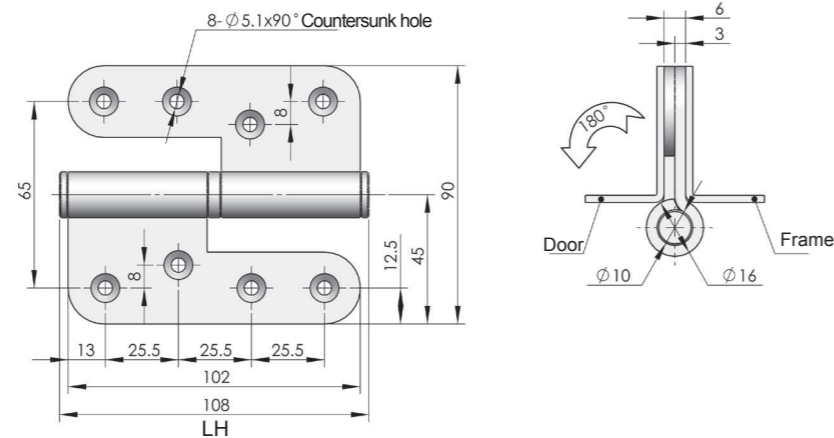
Seal gasket

CL249



Main material and finish: Steel or stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1200N
Axial load: 1300N



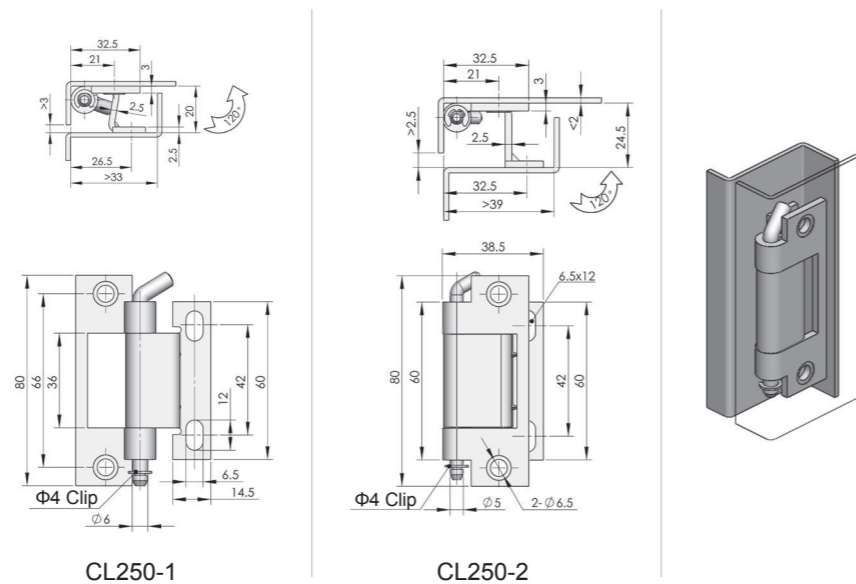
Specification	LH		RH	
	Model	ERP	Model	ERP
White zinc-plated steel hinge	CL249-1-Z	CL249F3D001	CL249-1-Y	CL249F3D002
Wiredrawing polishing stainless steel hinge	CL249-1B-Z	CL249S4B004	CL249-1B-Y	CL249S4B003

CL250-1
CL250-2

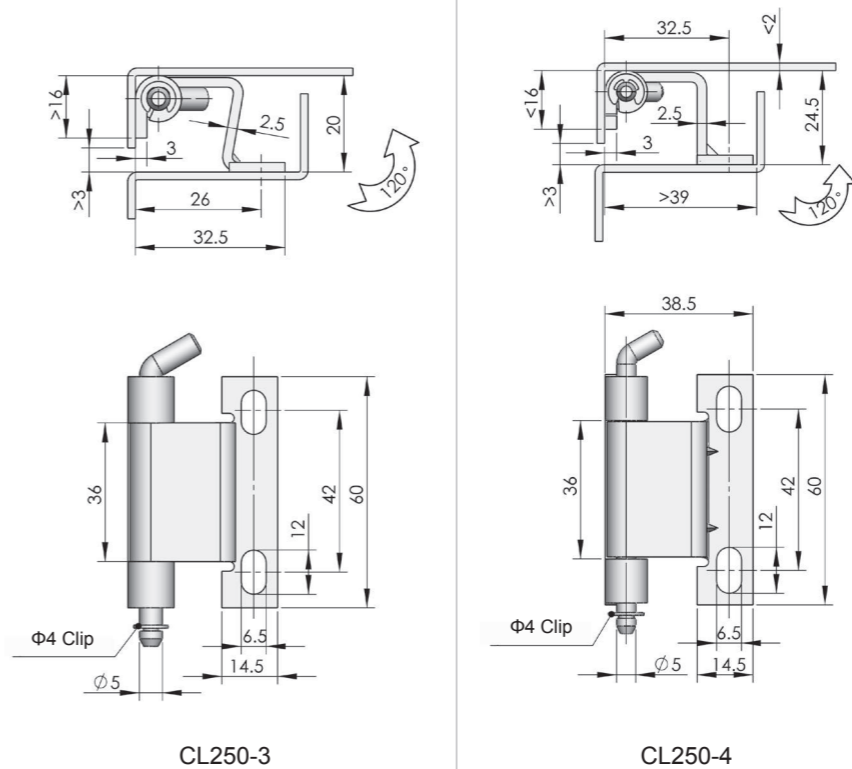


Main material and finish: White zinc plated steel hinge and pin

Performance parameter:
Maximum static load
Radial load: 310N
Axial load: 480N



Model	ERP	Specification
CL250-1	CL250F3D001	White zinc plated steel
CL250-1B	CL250S00004	Grinding vibration polishing stainless steel
CL250-2	CL250F3D002	White zinc plated steel
CL250-2B	CL250S00003	Grinding vibration polishing stainless steel



Model	ERP	Specification
CL250-3	CL250F3D003	White zinc plated steel
CL250-3B	CL250S00007	Grinding vibration polishing stainless steel
CL250-4	CL250F3D004	White zinc plated steel
CL250-4B	CL250S00001	Grinding vibration polishing stainless steel

CL250-3
CL250-4



Main material and finish: White zinc plated steel hinge and pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 350N
Axial load: 778N

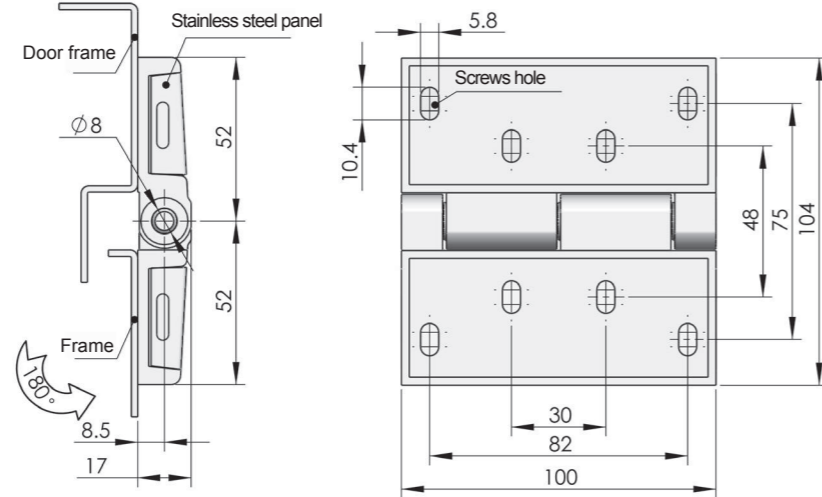
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL251



Main material and finish: Sand-spraying and bright chrome-plated ZDC hinge, stainless shaft pin and cover
Application: Opening angle 180°

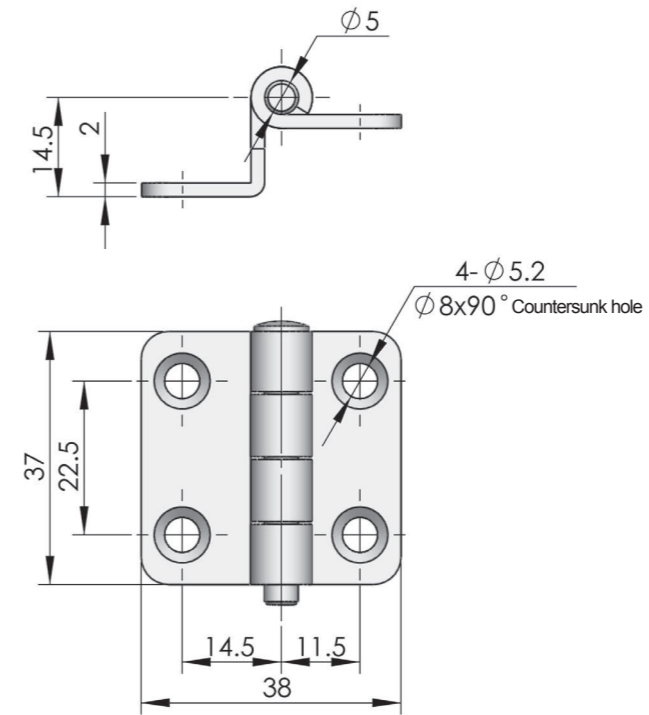
Performance parameter:
Maximum static load
Radial load: 1200N
Axial load: 910N



Remark: Disassembling panel when installing hinge by screw

ERP

CL251Z3H001



ERP

CL252S00001

CL252



INOX
AISI
3..

Main material and finish: Stainless steel hinge

Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 520N
Axial load: 800N

CL251-3



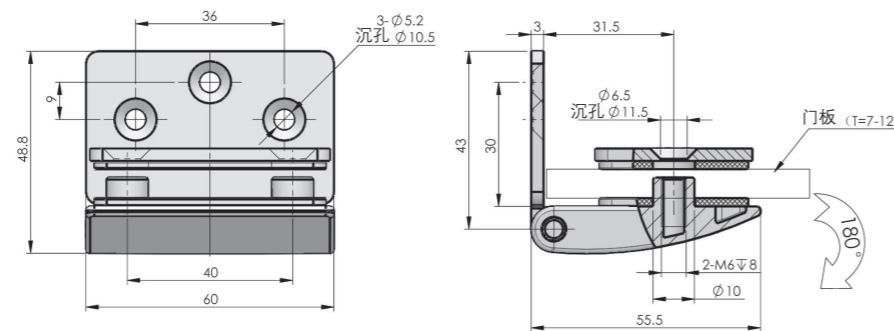
NEW



INOX
AISI
3..

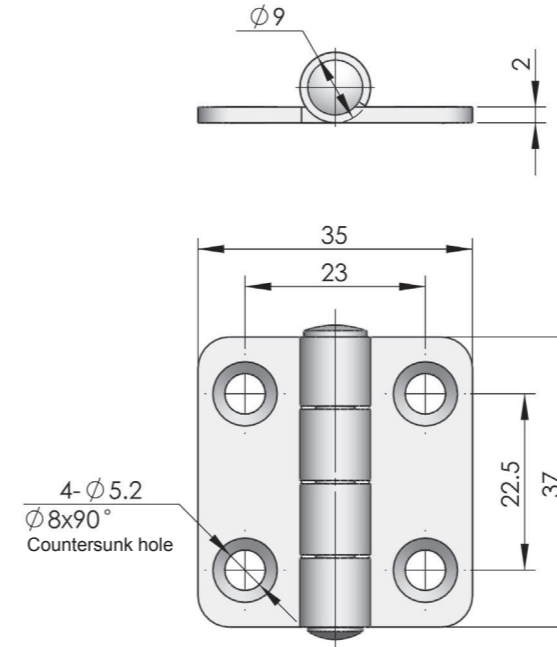
Main material and finish: Bright chrome plated ZDC exposed hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1500N



ERP

CL251S4B001



ERP

CL253S4A001

CL253-1



INOX
AISI
3..

Main material and finish: Mirror polishing stainless steel hinge

Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 745N
Axial load: 1090N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL253-2
CL253-3



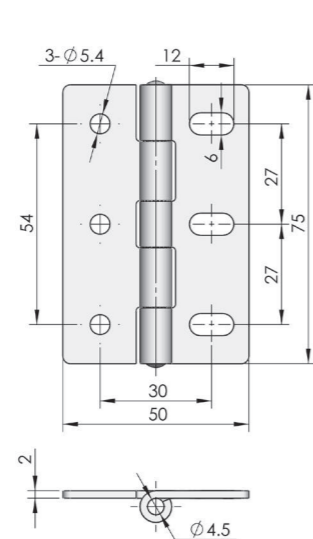
Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

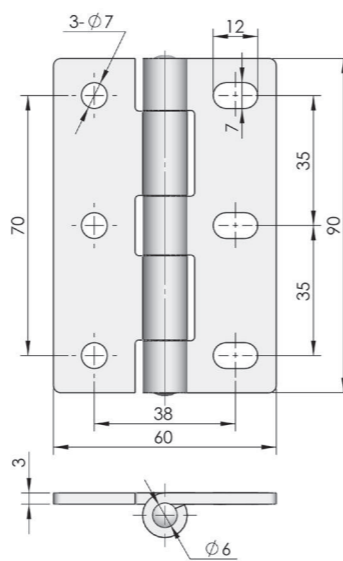
Maximum static load
Model: CL253-2
Radial load: 1000N **Axial load:** 1200N

Model: CL253-3
Radial load: 1500N **Axial load:** 1800N

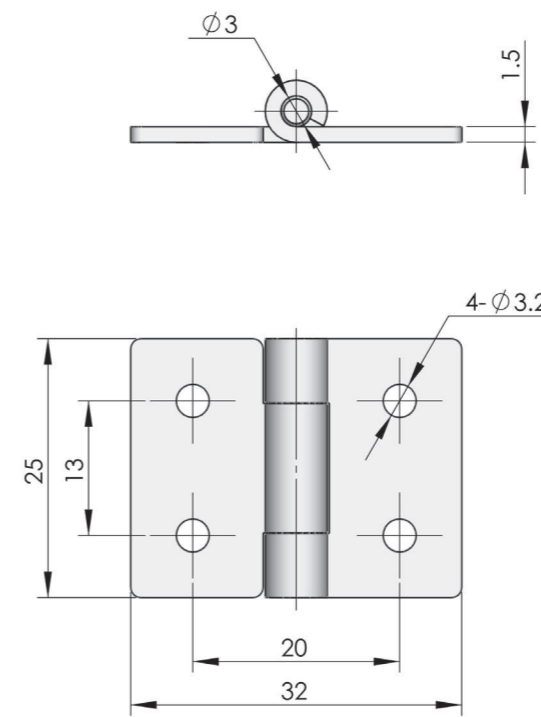
CL253-2



CL253-3



Model	ERP	Specification
CL253-2	CL253S4A002	Stainless steel
CL253-2-A	CL253F3D012	Carbon steel
CL253-3	CL253S4A003	Stainless steel



ERP CL253S4A011

CL253-4A



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 380N **Axial load:** 810N

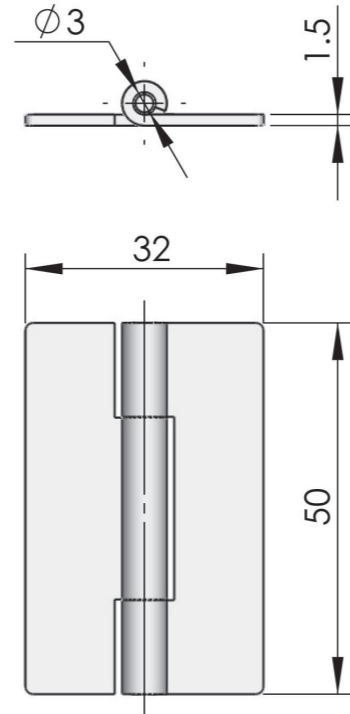
CL253-4



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 516N **Axial load:** 665N



ERP CL253S4A004

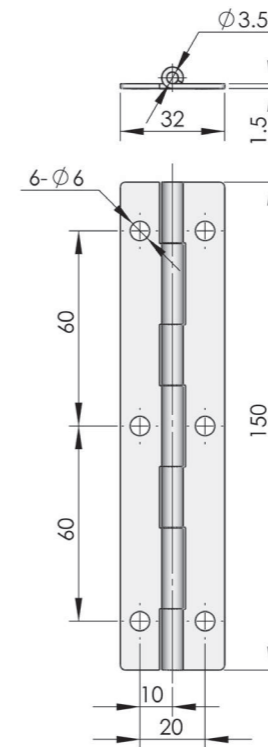
CL253-5



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 840N **Axial load:** 1380N



ERP CL253F3D001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

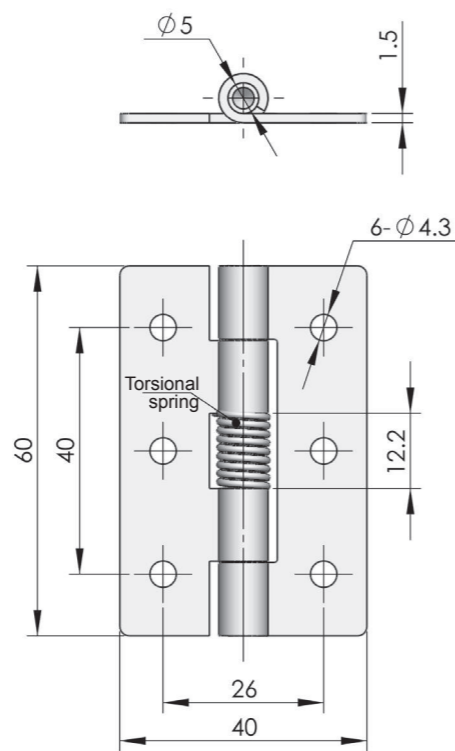
Seal gasket

CL253-6



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 550N
Axial load: 650N



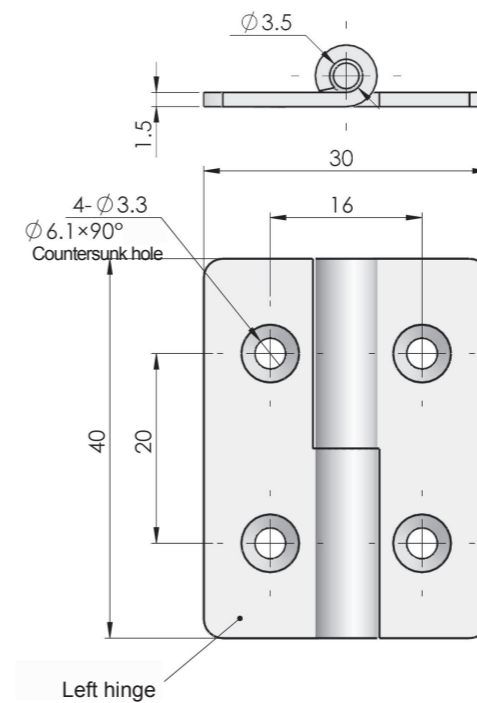
ERP	CL253S4A005
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CL253-9



Main material and finish: Stainless steel hinge leaf and shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 305N
Axial load: 470N



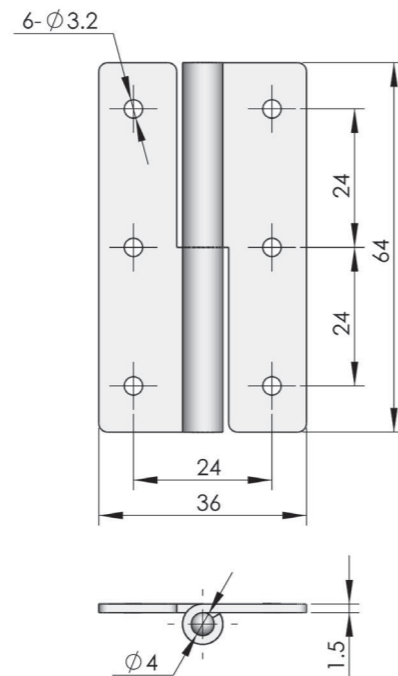
	CL253-9-Z RH	CL253-9-Y LH
ERP	CL253S4A008	CL253S4A009

CL253-7



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 590N
Axial load: 635N



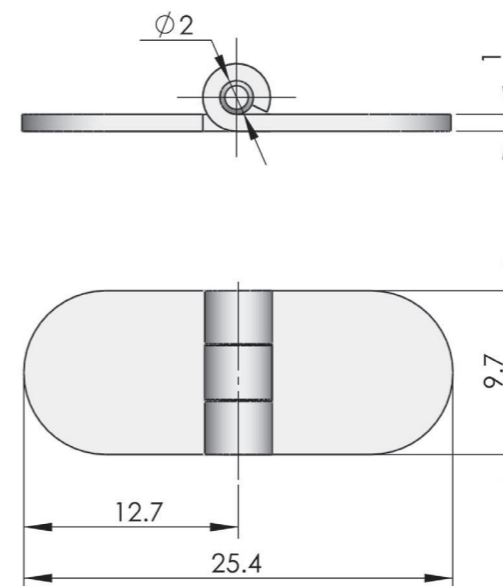
	RH	LH
ERP	CL253S4A006	CL253S4A007

CL253-10



Main material and finish: Mirror stainless steel hinge and stainless steel shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 76N
Axial load: 161N



ERP	CL253S4A010
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Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

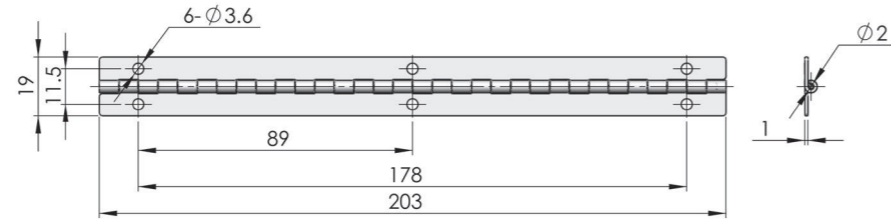
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

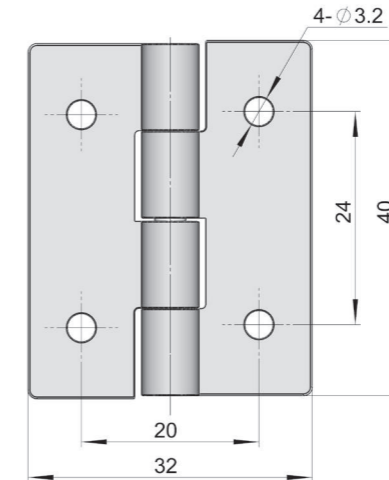
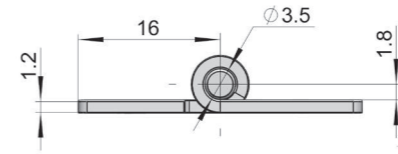
CL253-13



Main material and finish: Aluminum alloy hinge leaf, shaft
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 180N
Axial load: 530N

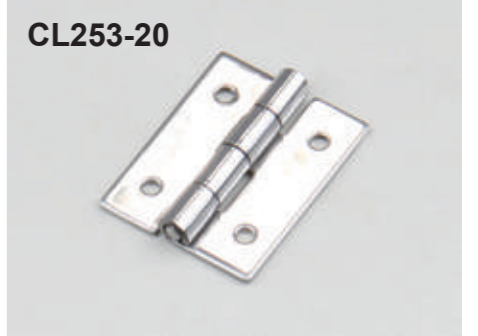


ERP CL253A00001



ERP CL253S4A037

CL253-20



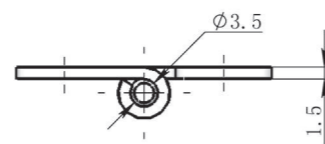
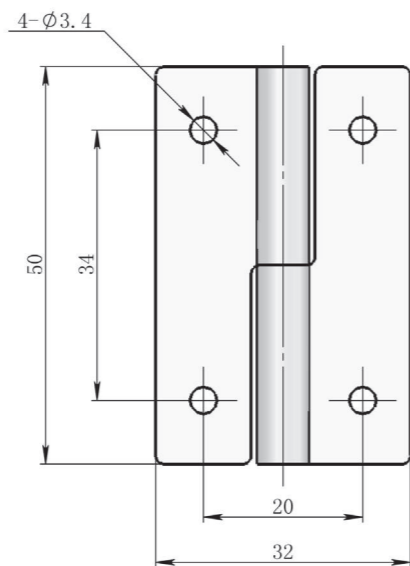
Main material and finish: 304 stainless steel
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 340N
Axial load: 600N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

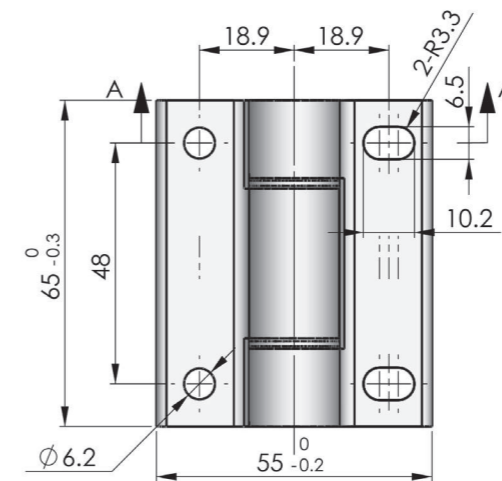
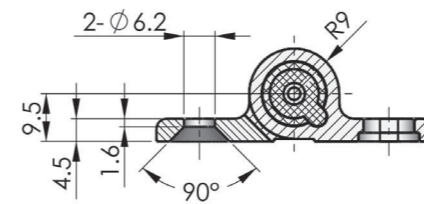
CL253-16



Main material and finish: Electrolysis SUS301 stainless steel hinge leaf, and SUS304 stainless steel shaft
Application: open angle 180°
Performance parameter:
Maximum static load
Radial load: 560N
Axial load: 830N



ERP CL253S9C004



ERP CL253A9A001

CL253-23



Main material and finish: Aluminum alloy hinge, POM shaft
Application: The hinge is damping hinge with bolt adjustable damping force

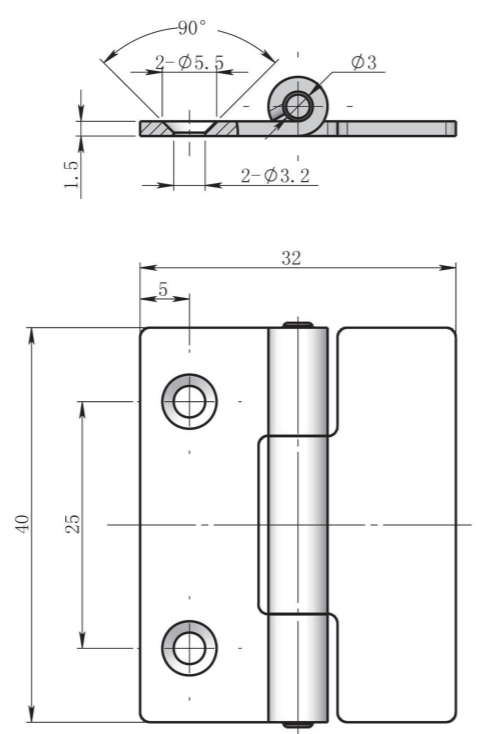
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



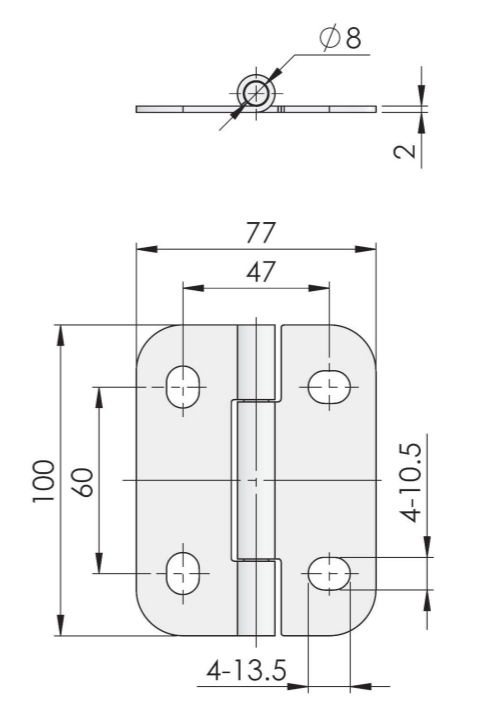
CL253-25

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 340N
Axial load: 600N



ERP CL253S4A049



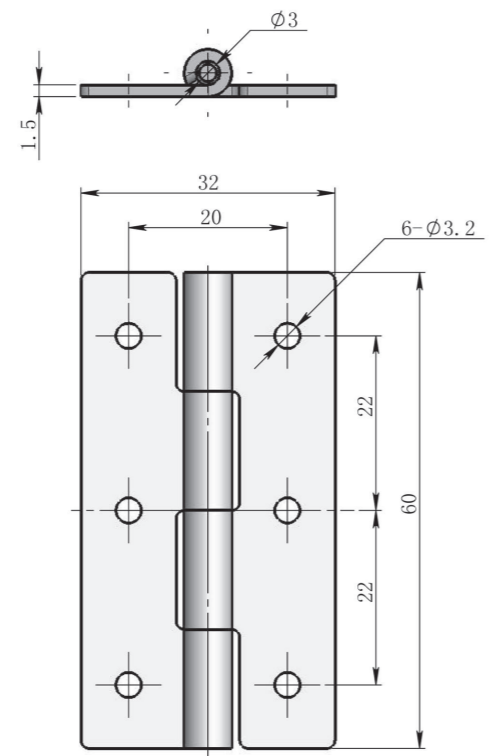
ERP CL253F1A002



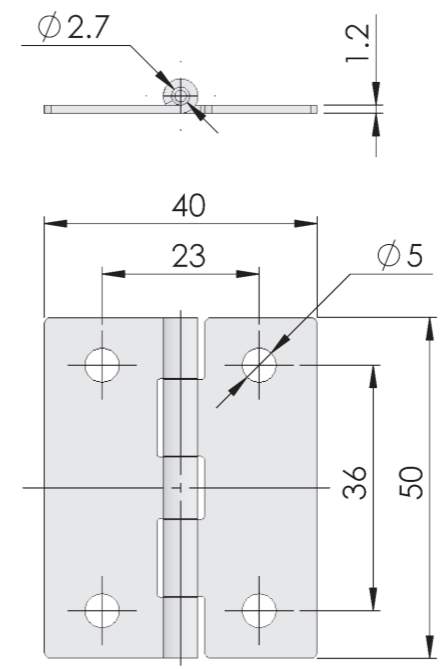
CL253-26

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 780N
Axial load: 840N



ERP CL253S4A040



ERP CL253F3D013



CL253-27

Main material and finish: Black powder coated carbon steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 500N
Axial load: 700N



CL253-28

Main material and finish: white zinc plating carbon steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 990N
Axial load: 990N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

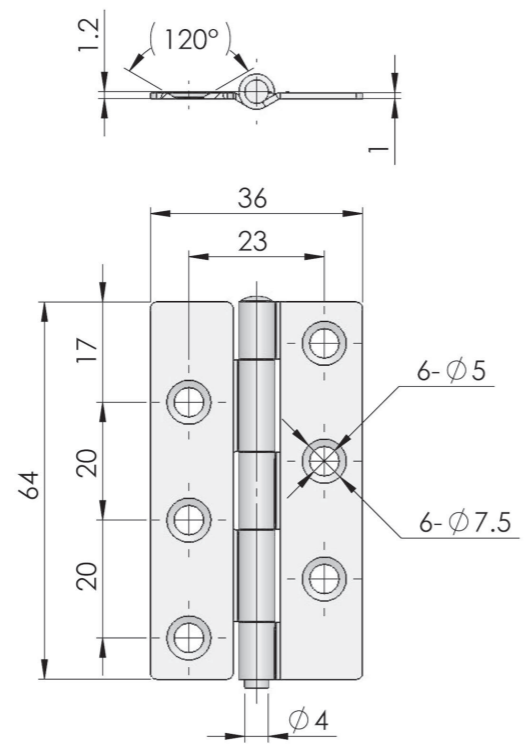
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



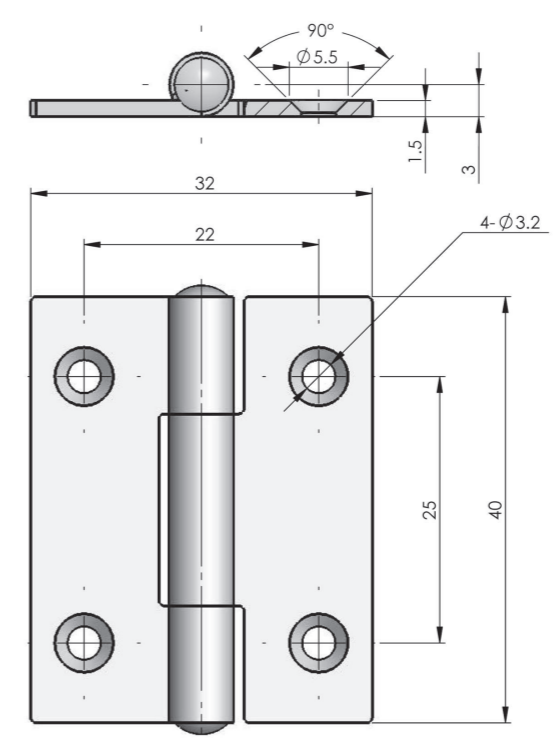
CL253-30

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 310N
Axial load: 480N



ERP CL253S4A054



ERP CL253S4A057



CL253-32-1

Main material and finish: Mirror polishing stainless steel SS304 exposed hinge
Application: Opening angle 180°

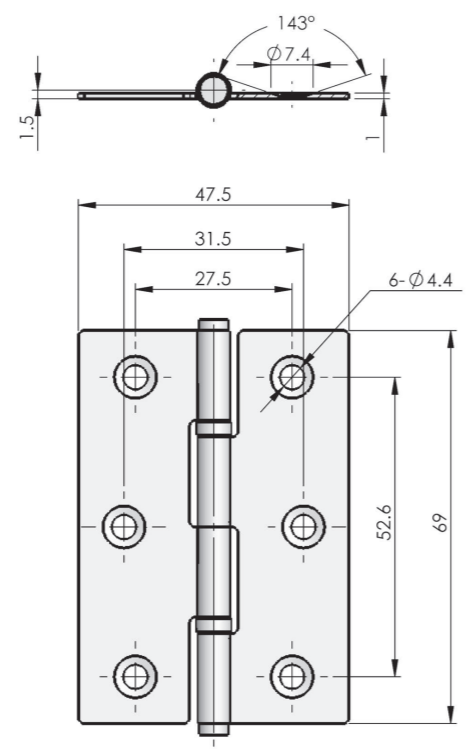
Performance parameter:
Maximum static load
Radial load: 610N
Axial load: 510N



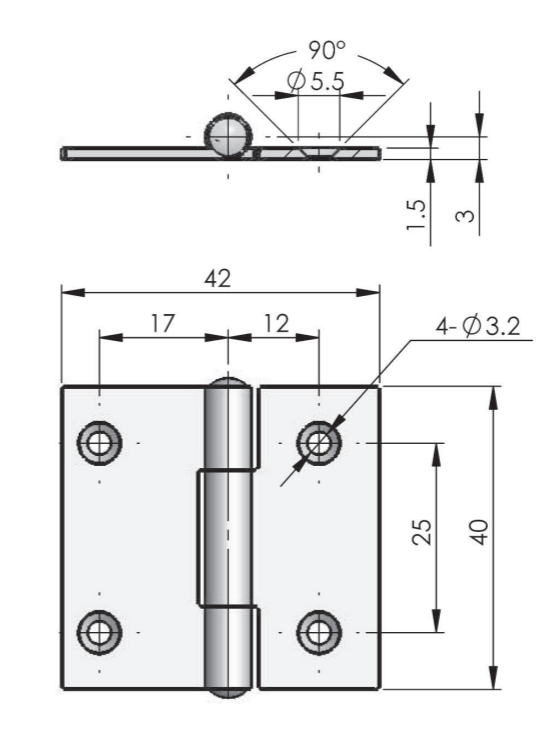
CL253-31

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 650N
Axial load: 550N



ERP CL253S00008



ERP CL253S4A056



CL253-32-2

Main material and finish: Mirror polishing stainless steel SS304 exposed hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 450N
Axial load: 400N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL255



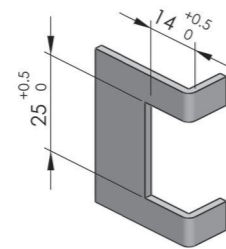
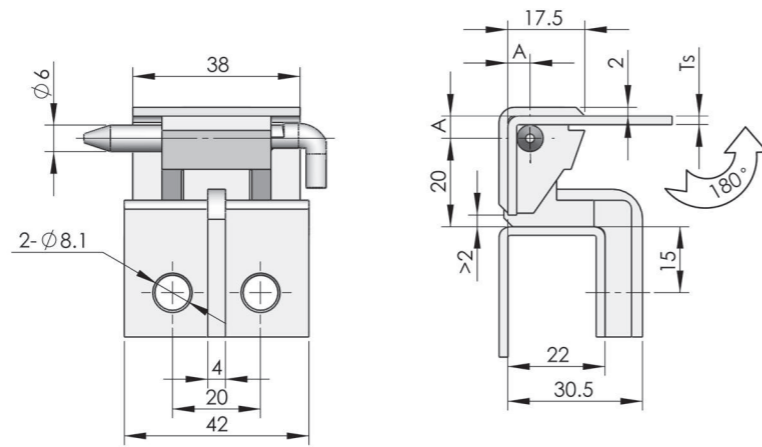
Main material and finish: Black powder coated hinge, nickel plated steel pin
Application: Opening angle 180°

Performance parameter:

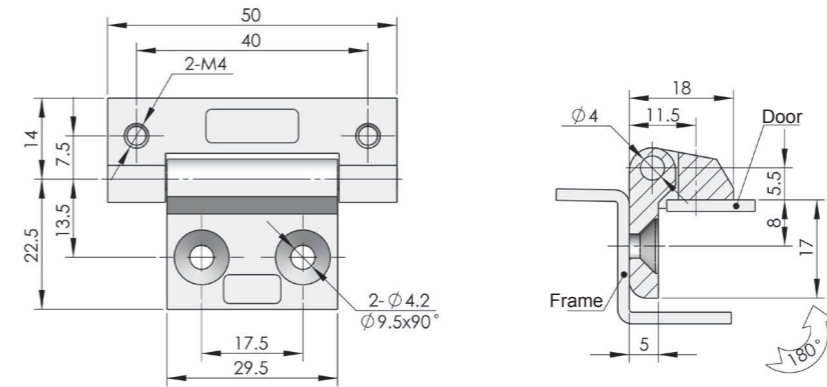
Maximum static load

Model: CL255-1/2/3

Radial load: 935N **Axial load:** 915N



Door cutout



ERP

CL254Z1A001

CL254



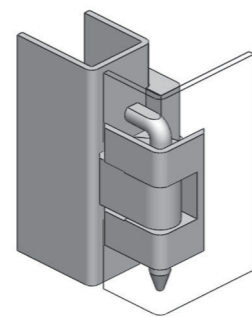
Main material and finish: Black powder coated ZDC hinge, nickel plated steel pin
Application: Opening angle 180°

Performance parameter:

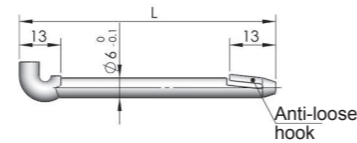
Maximum static load

Radial load: 1000N

Axial load: 800N

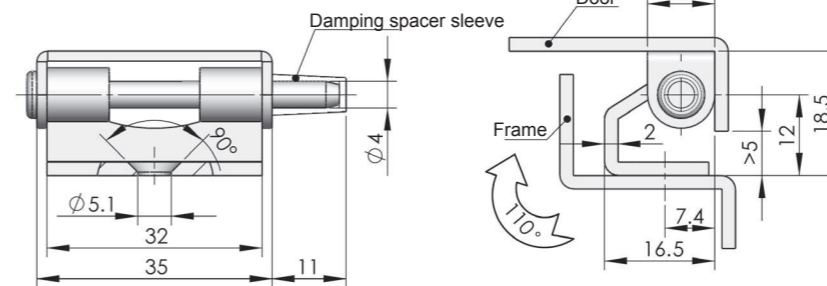


Nylon pin (Optional)



Part No.	L
PN001	57
PN002	78

Model	ERP	Specification	A	Remarks
CL255-1	CL255Z1A001	Suitable door thickness Ts=2mm	5.1	ZDC hinge
CL255-2	CL255Z1A002	Suitable door thickness Ts=3mm	6.1	ZDC hinge
CL255-3	CL255Z1A003	Suitable door thickness Ts=1.5mm	4.6	ZDC hinge
CL255-1A	CL255Z1A004	Suitable door thickness Ts=2mm	5.1	Steel female hinge
CL255-2A	CL255Z1A005	Suitable door thickness Ts=3mm	6.1	Steel female hinge
CL255-3A	CL255Z1A006	Suitable door thickness Ts=1.5mm	4.6	Steel female hinge



ERP

CL257F3D001

CL257



Main material and finish: White zinc-plated steel hinge and pin, PA spacer sleeve

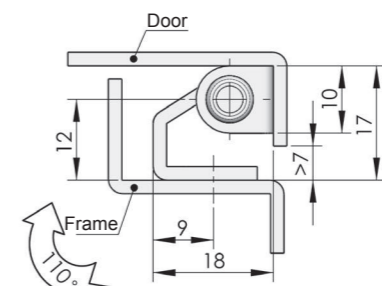
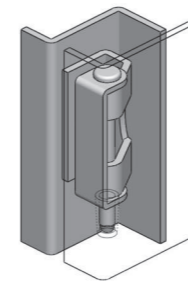
Application: Opening angle 110°

Performance parameter:

Maximum static load

Radial load: 885N

Axial load: 525N

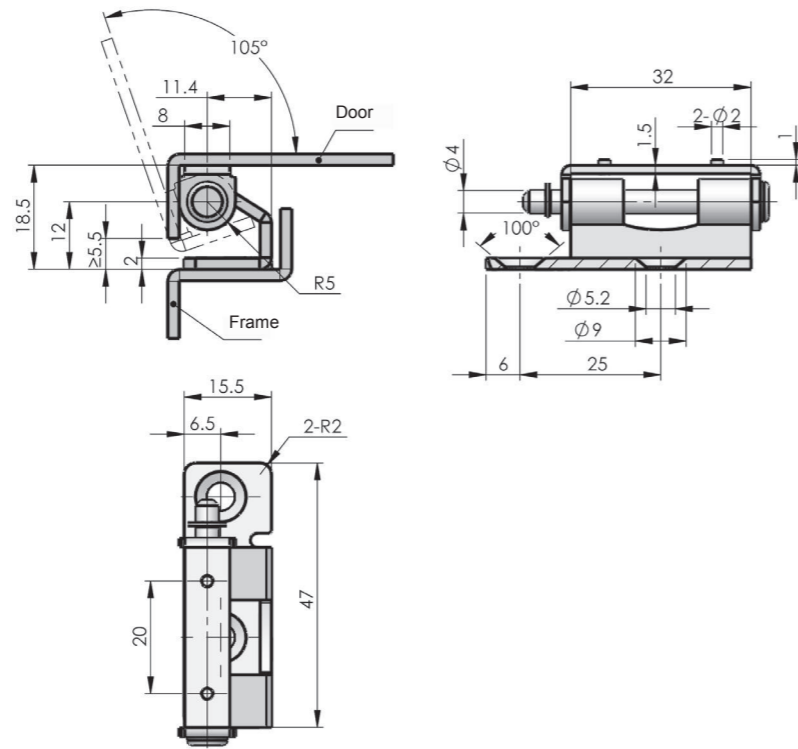


CL257-2

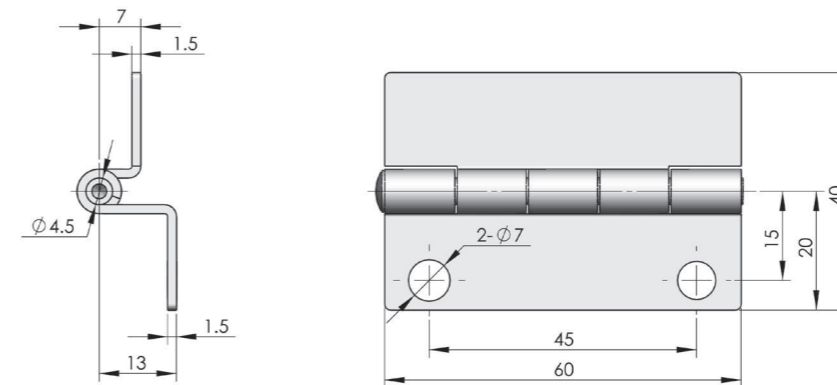


Main material and finish: white zinc plating
carbon steel hinge
Application: opening angle 105°

Performance parameter:
Max Static load
Radial load:130N
Axial Load: 220N



特征描述	LH	RH
ERP	CL257F3D009	CL257F3D008



ERP	CL261F3D001
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CL261



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 180°

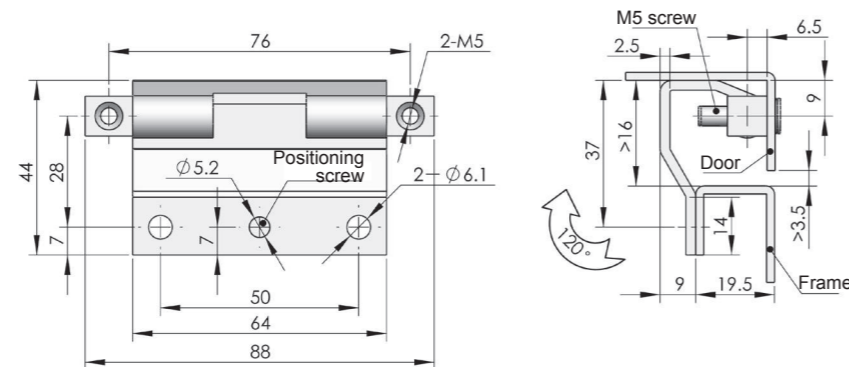
Performance parameter:
Maximum static load
Radial load: 340N
Axial load: 200N

CL260

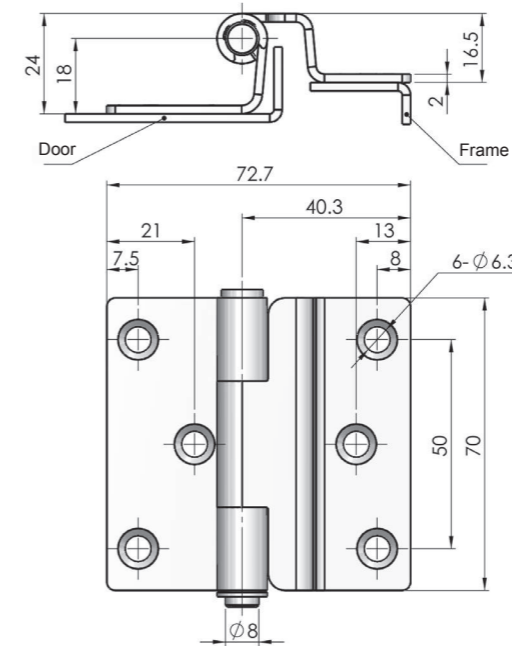
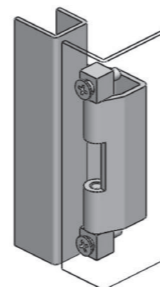


Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 350N
Axial load: 205N



ERP	CL260F3D001
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ERP	CL261S9C002
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CL261-2



Main material and finish: Electrolysis stainless steel SS304 SS304 exposed hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 600N
Axial load: 400N

CL268



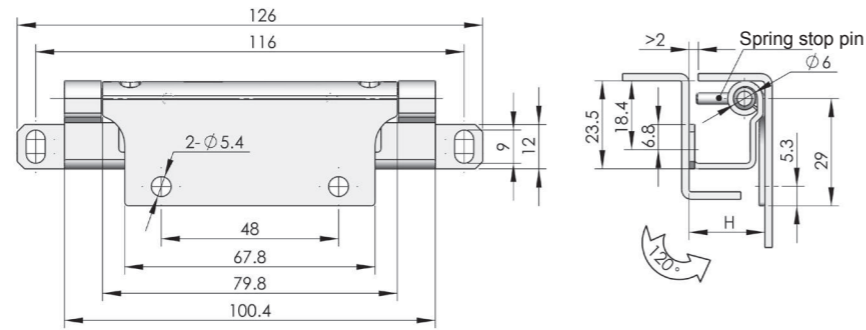
Main material and finish: Stainless steel or steel hinge

Performance parameter:

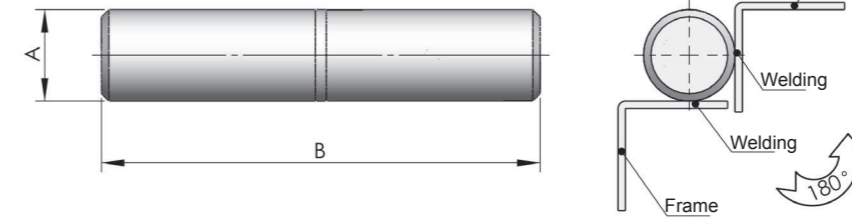
Maximum static load

Radial load: 260N

Axial load: 450N



Model	ERP	H	Material
CL268-1	CL268S00001	23.9	Stainless steel
CL268-2	CL268S00002	20.5	Stainless steel
CL268-3	CL268S00003	17.5	Stainless steel
CL268-1A	CL268F3D001	23.9	Steel
CL268-2A	CL268F3D002	20.5	Steel
CL268-3A	CL268F3D003	17.5	Steel



Model	ERP	A	B	C
CL270-1	CL270F3D001	d26	150	75
CL270-2	CL270F3D002	d25	120	60
CL270-3	CL270F3D003	d14	120	60
CL270-4	CL270F3D004	d10	60	30

CL270



Main material and finish: White zinc-plated steel hinge

Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 2000N

CL269



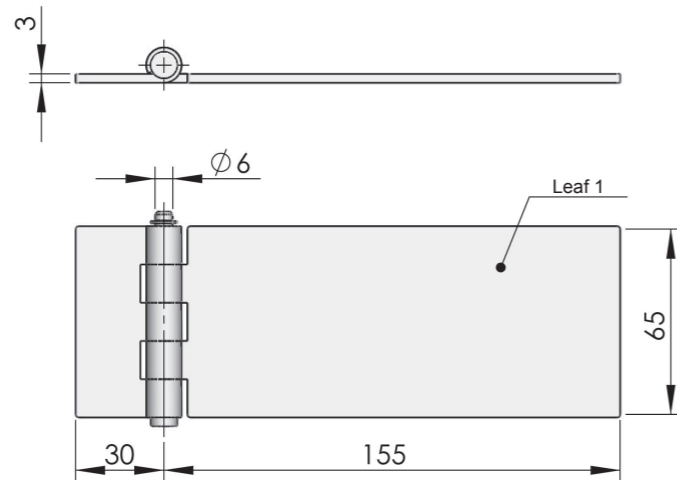
Main material and finish: White zinc-plated steel hinge

Performance parameter:

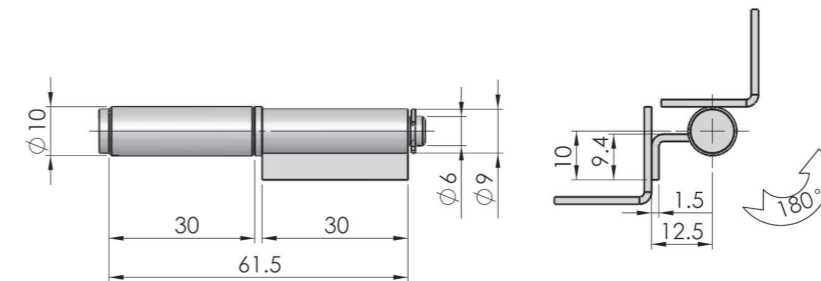
Maximum static load

Radial load: 610N

Axial load: 800N



ERP	CL269F3D001
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ERP	CL270F00004
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CL270-4-1D



white zinc plated carbon steel exposed hinge and shaft

Application: opening angle 180°

Performance parameter:

Maximum static load

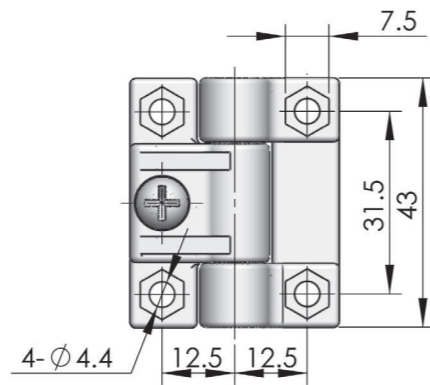
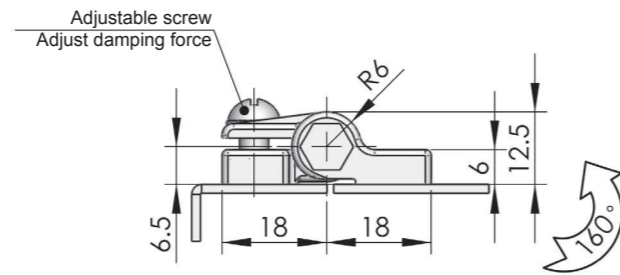
Radial load: 250N

Axial load: 150N

CL272

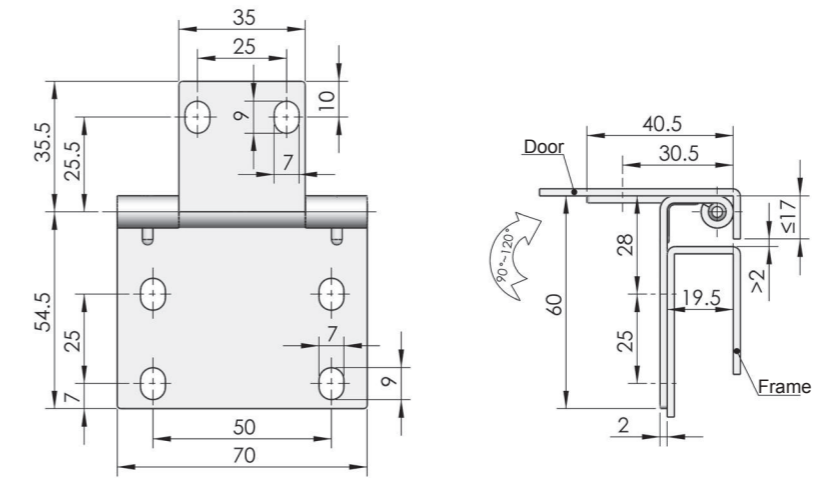


Main material and finish: Black PA hinge, steel screw, PC shaft
Application: Opening angle 160°



ERP

CL272N00001



ERP

CL273F3D001

CL273



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 90°~120°

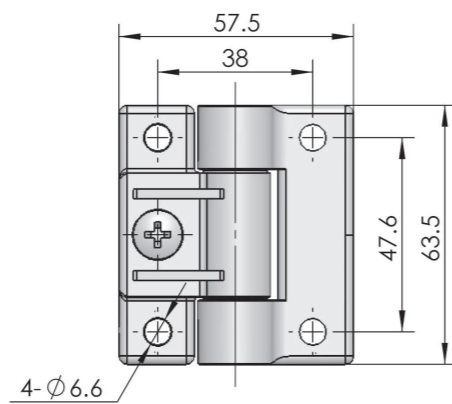
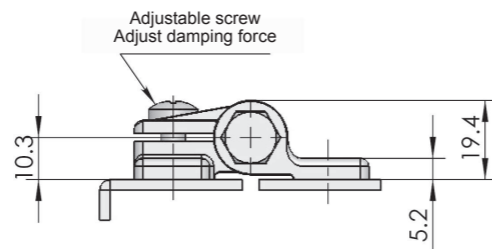
Performance parameter:

Maximum static load
Radial load: 260N
Axial load: 340N

CL272-2

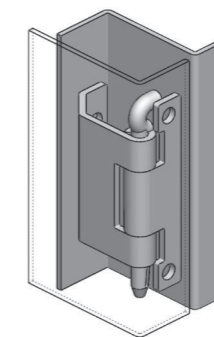
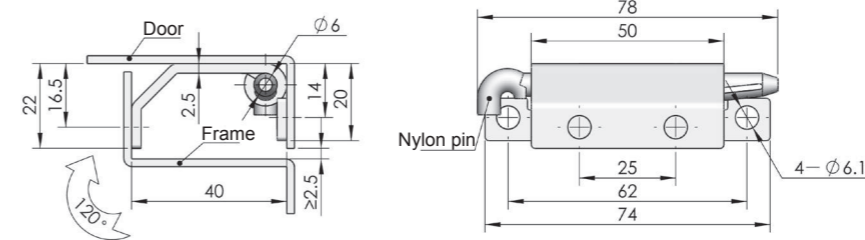


Main material and finish: POM black male and female hinge transparent PC shaft, and Stainless steel adjustable screw and nut.
Application: Maximum rotating angle 165°



ERP

CL272N00002



ERP

CL274F3D001

CL274



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 180N
Axial load: 310N

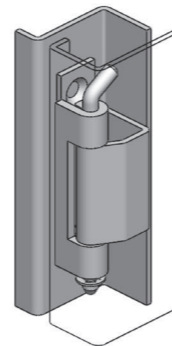
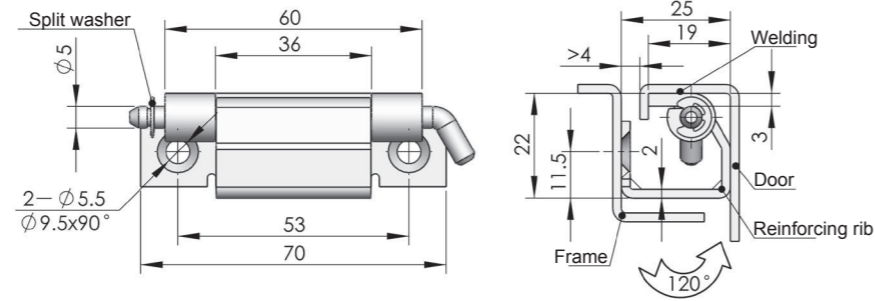
Hinge

Seal gasket

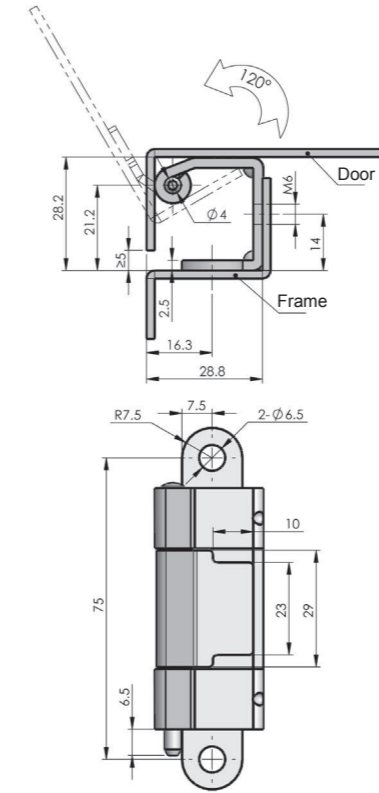
CL275-1



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 120N
Axial load: 310N



ERP CL275F3D002



ERP CL275F3D010

CL275-4

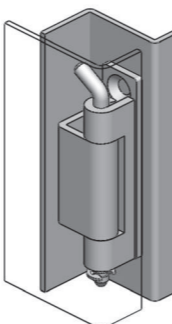
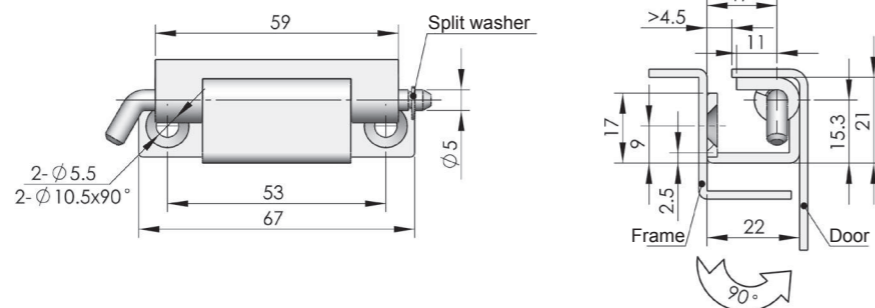


Main material and finish: White zinc-plated carbon steel hinge
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 410N
Axial load: 91N

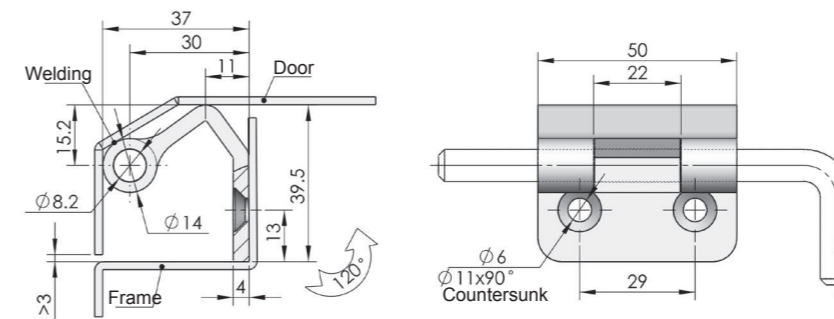
CL275-2



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 120N
Axial load: 310N



ERP CL275F3D003



ERP CL276Z3D001

CL276



Main material and finish: White zinc-plated ZDC female hinge
Application: Opening angle 120°
Performance parameter:
Maximum static load
Radial load: 480N
Axial load: 690N

Hinge

Seal gasket

Hinge

Seal gasket

CL280

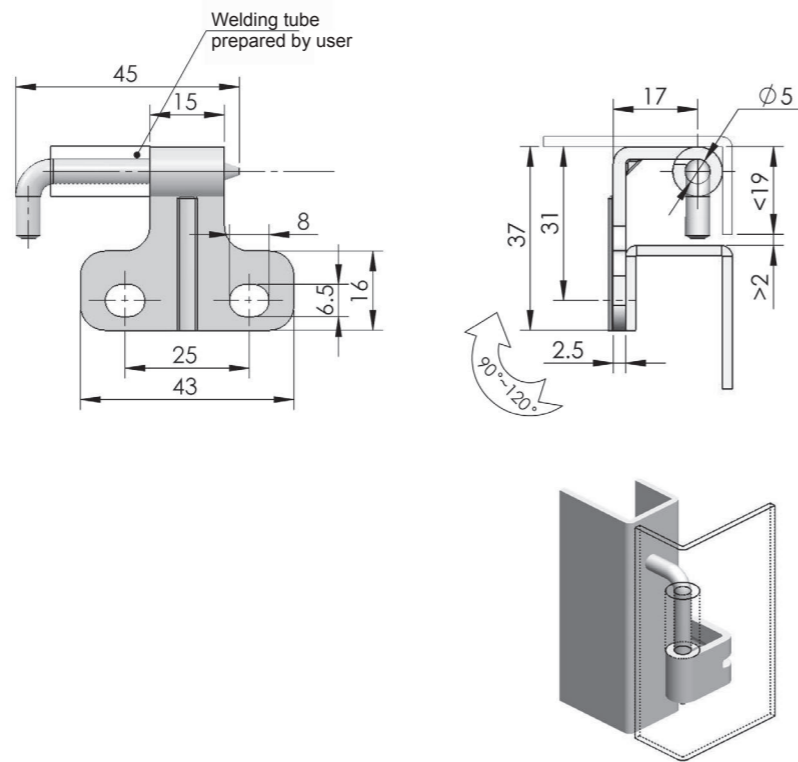


Main material and finish: Black powder coated steel female hinge, white zinc-plated pin

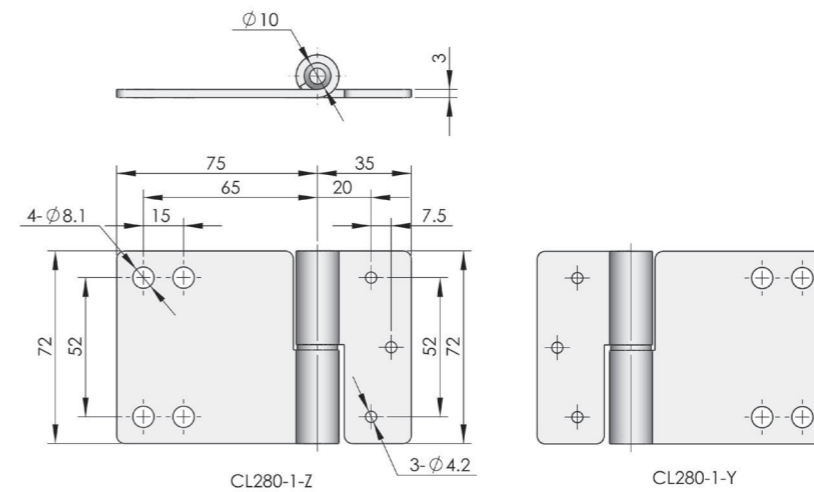
Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 360N
Axial load: 105N



ERP	CL280F1A001
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	CL281 - A - Z LH	CL281 - A - Y RH
ERP	CL281S4A001	CL281S4A003

CL281



INOX
AISI
3..

Main material and finish: Stainless steel hinge

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1280N
Axial load: 630N

CL280-2

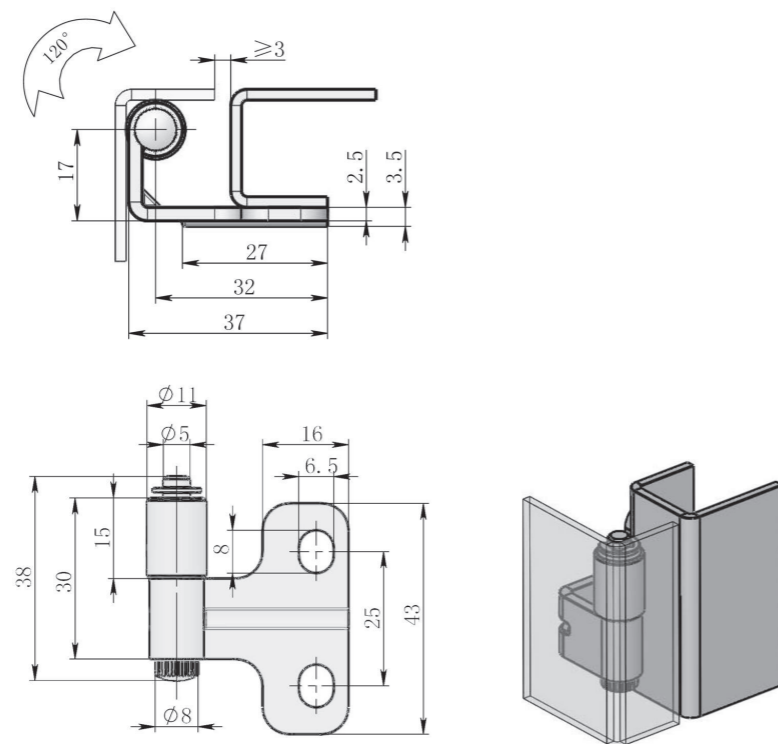


Main material and finish: Black powder coated steel female hinge, male hinge blank, white zinc-plated shaft

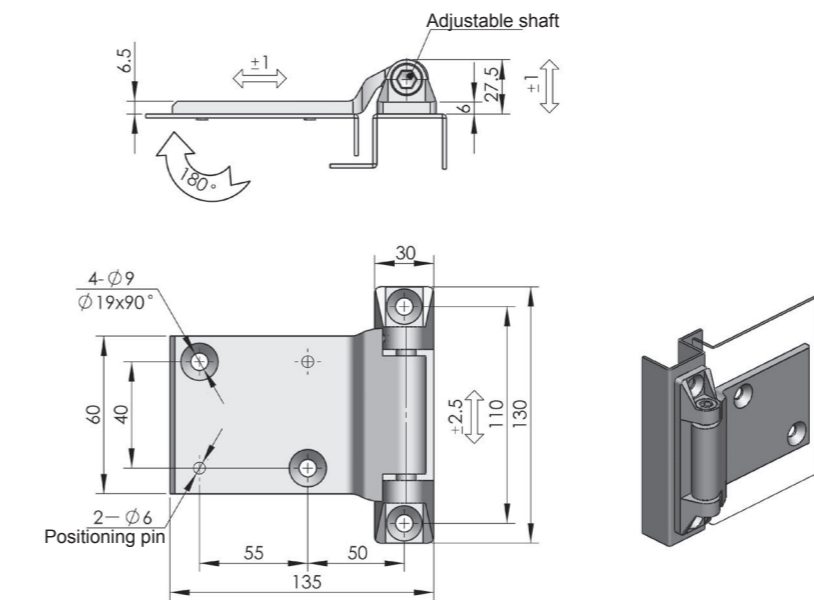
Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 1200N
Axial load: 1000N



ERP	CL280F2A003
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	CL282 - 1 - Z LH	CL282 - 1 - Y RH
ERP	CL282Z1B001	CL282Z1B002

CL282-1-Y
CL282-1-Z



Main material and finish: Pocked black powder coated ZDC female part, stainless steel shaft

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1800N
Axial load: 1500N

CL282-2-Y
CL282-2-Z



Main material and finishing: Pocked black powder coated ZDC female hinge, stainless steel shaft

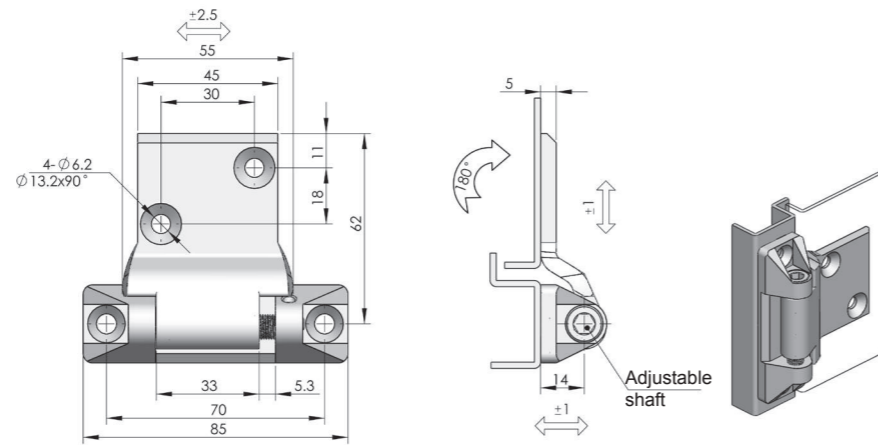
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1500N

Axial load: 1300N



	CL282-2-Z LH	CL282-2-Y RH
ERP	CL282Z1B003	CL282Z1B004

CL283-1
CL283-2



INOX
AISI
3..

Main material and finish: stainless steel hinge and shaft

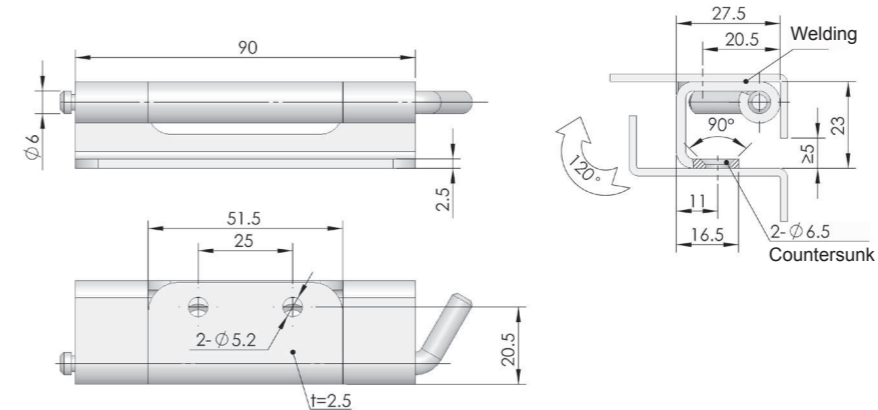
Application: Opening angle 120°

Performance parameter:

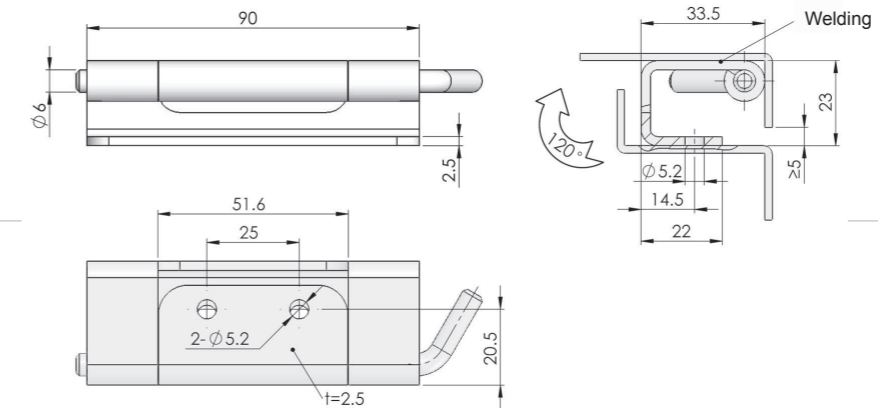
Maximum static load

Radial load: 500N

Axial load: 980N



CL283-1



CL283-2

	CL283-1	CL283-2
ERP	CL283S00001	CL283S00002

CL283-4



INOX
AISI
3..

Main material and finish: Stainless steel hinge and pin

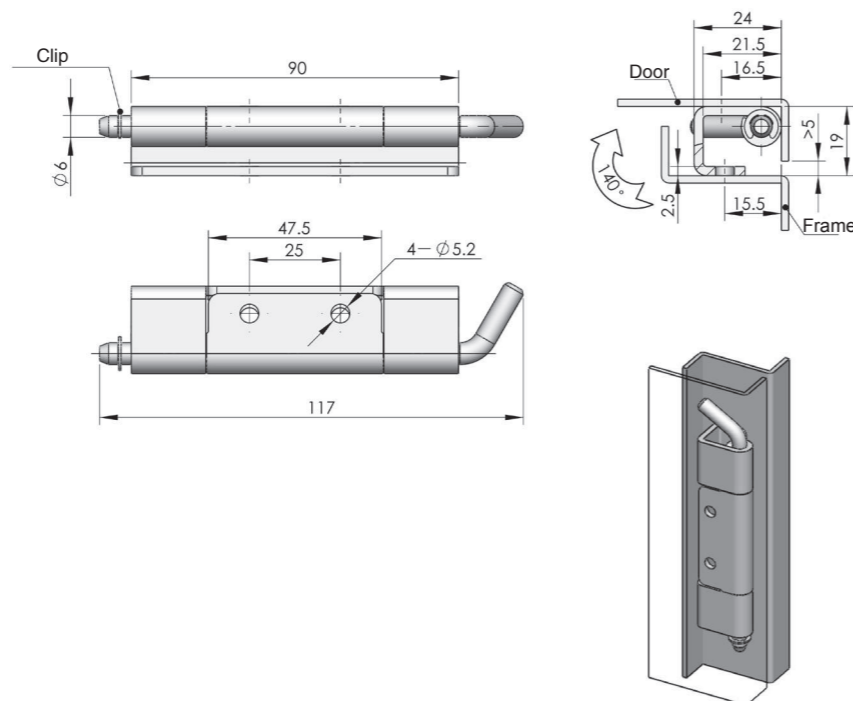
Application: Opening angle 140°

Performance parameter:

Maximum static load

Radial load: 500N

Axial load: 980N



ERP	CL283S00003
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Hinge

Seal gasket

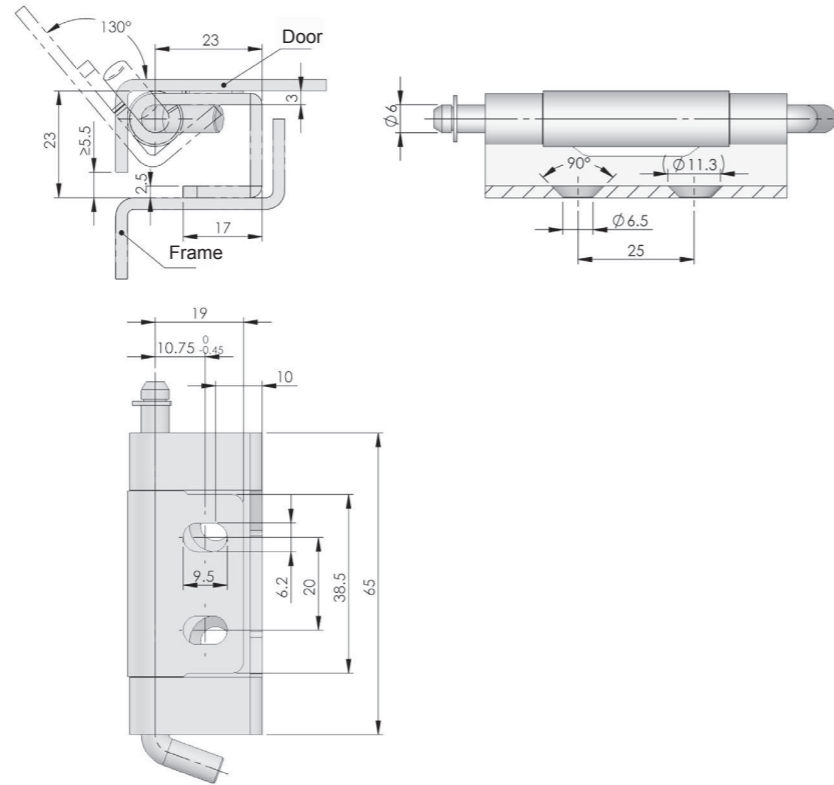
Hinge

Seal gasket

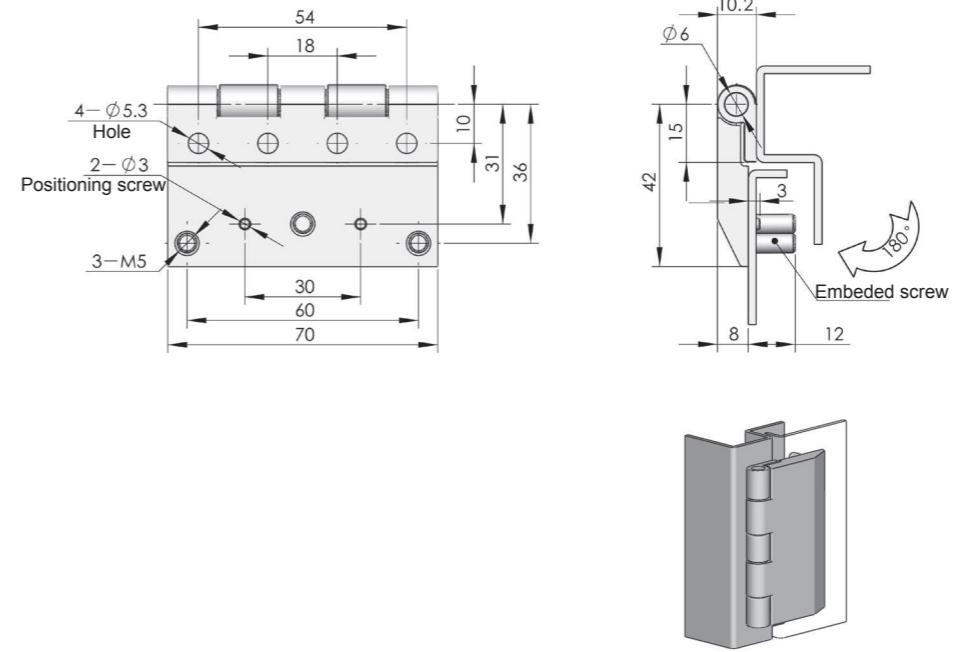
CL283-8



Main material and finish: Zinc nickel alloy steel hinge
Application: Opening angle 130°
Performance parameter:
Maximum static load
Radial load: 240N
Axial load: 330N



ERP CL283F3D006



ERP CL289Z2A001

CL289

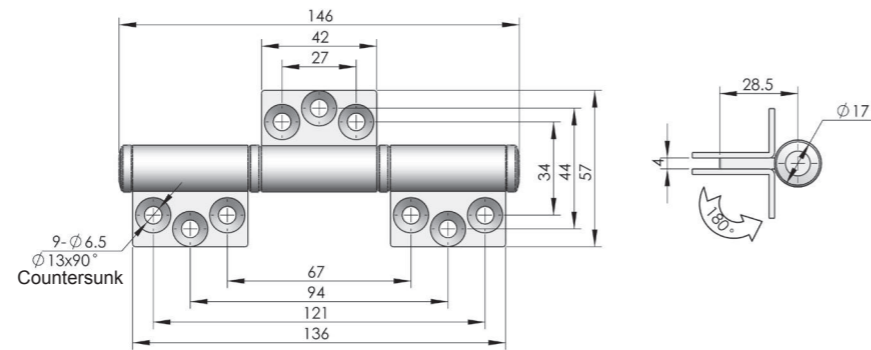


Main material and finish: Black painted ZDC female part
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 1435N
Embedded screw recommended tightening torque : 10N. m

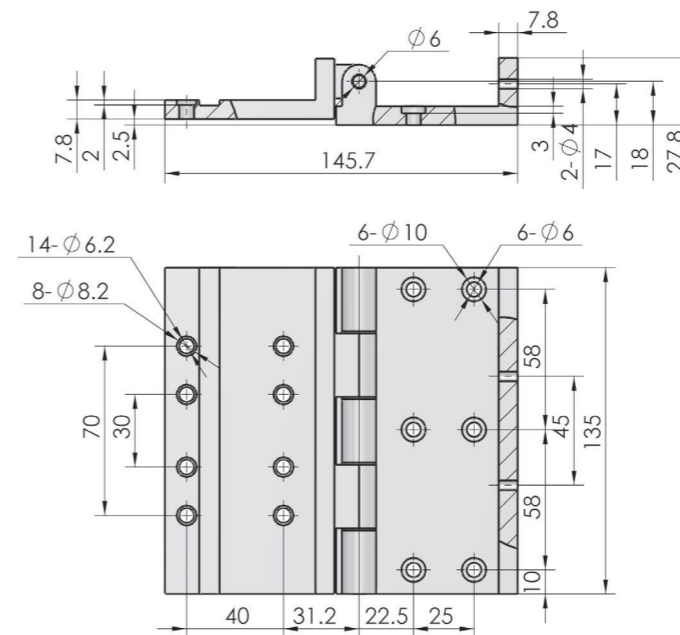
CL288



Main material and finish: Stainless steel hinge
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N



ERP CL288S00001



ERP CL289A2B001

CL289-2



Main material and finish: Painted aluminium alloy
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL290



Main material and finish: Stainless steel hinge

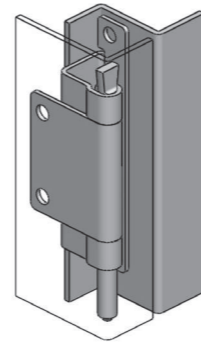
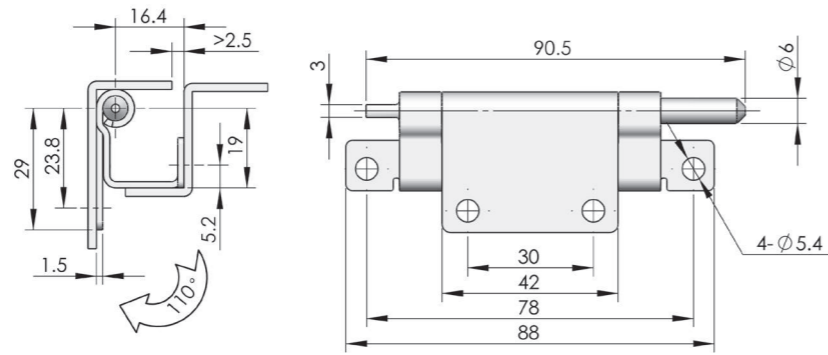
Application: Opening angle 110°

Performance parameter:

Maximum static load

Radial load: 140N

Axial load: 310N



ERP

CL290S00001

CL293



Main material and finish: Sand-spraying and nickel-plated casting steel hinge

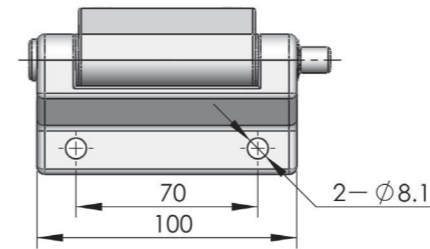
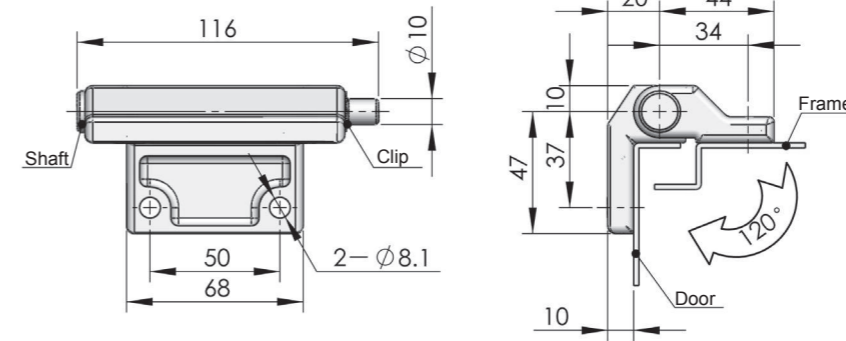
Application: Opening angle 120°

Performance parameter:

Maximum static load

Radial load: 3000N

Axial load: 3000N



ERP

CL293F3I001

CL292



Main material and finish: Sand-spraying and chrome-plated ZDC hinge, carbon steel pin

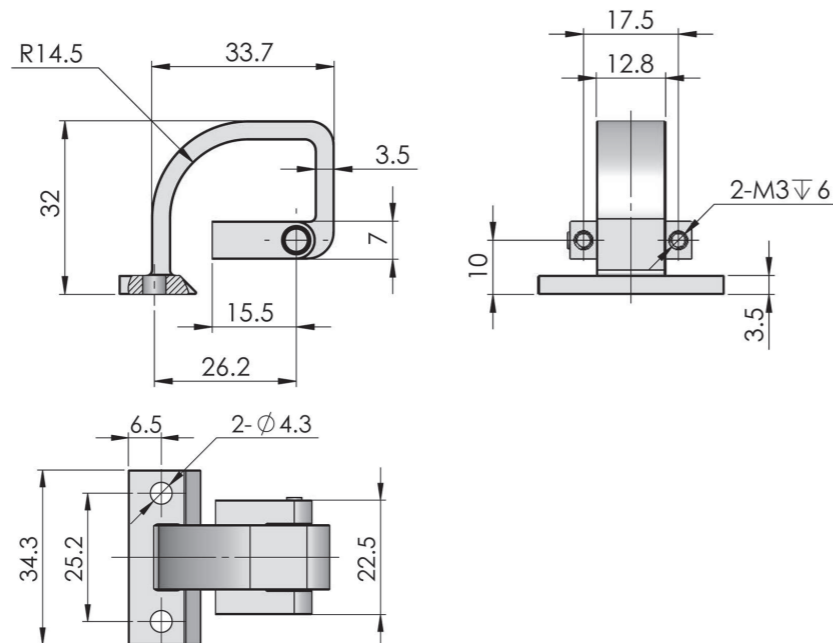
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 95N

Axial load: 105N



ERP

CL292Z3H001

CL294



Main material and finish: Stainless steel hinge

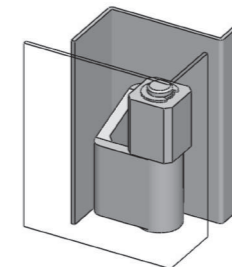
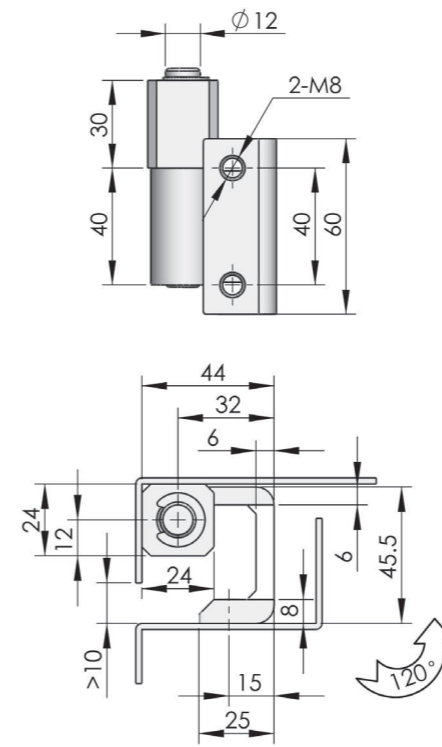
Application: Opening angle 120°

Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 1500N



ERP

CL294S00001

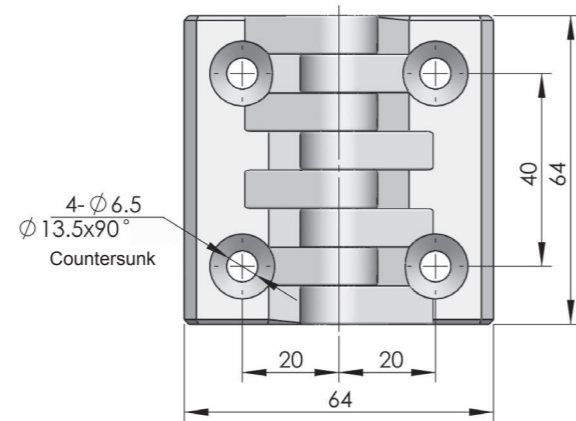
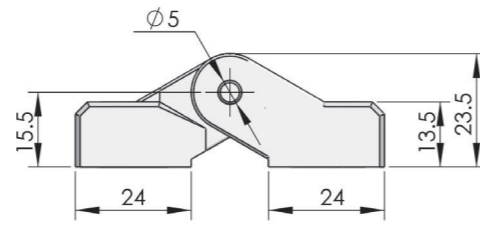
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL295

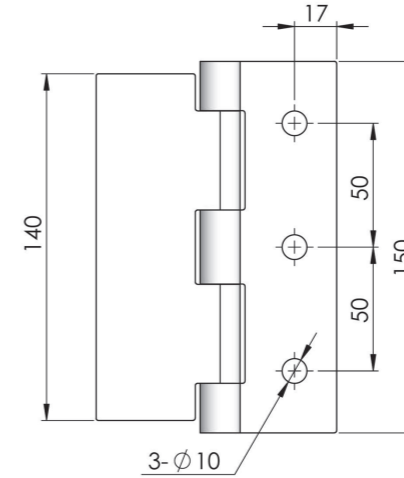
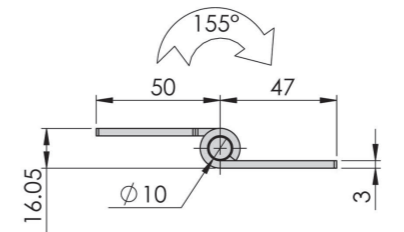


Main material and finish: Black PA hinge, white zinc plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1180N
Axial load: 1515N



ERP CL295N00001



ERP CL297F00001

CL297



Main material and finish: Antirust oil soaked steel hinge
Application: Opening angle 155°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 1800N

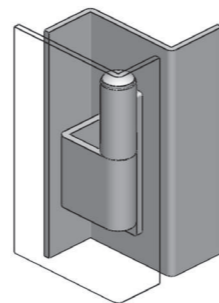
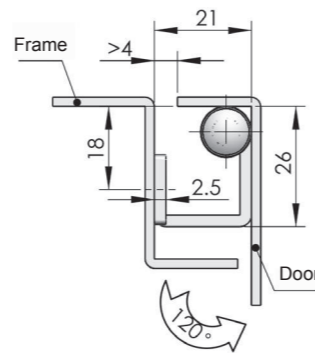
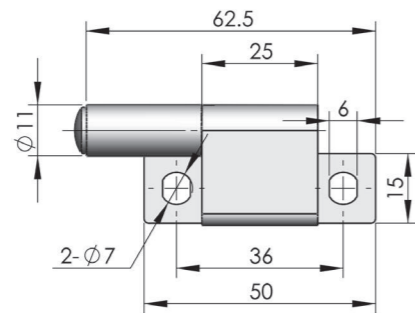
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL296

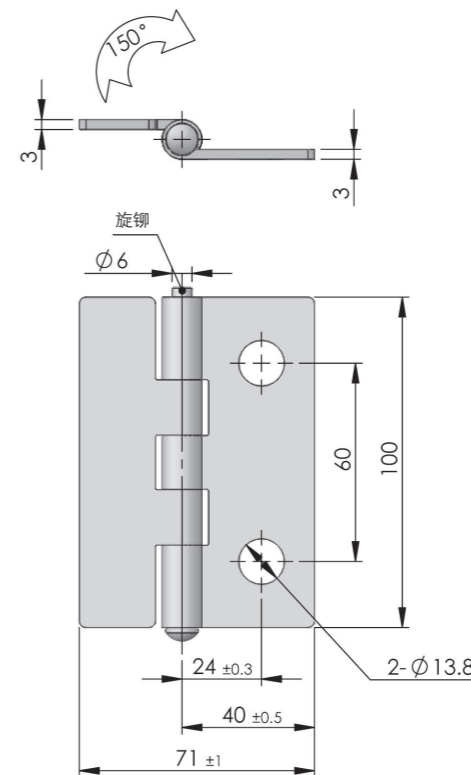


Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 200N
Axial load: 160N



ERP CL296F3D001



ERP CL297F00002

CL297-2



Main material and finish: Antirust oil soaked steel hinge leaf, stainless steel pin
Application: Opening angle 150°

Performance parameter:
Maximum static load
Radial load: 900N
Axial load: 2000N



CL331



Main material and finish: Nanometer painted ZDC hinge and nickel plated steel pin

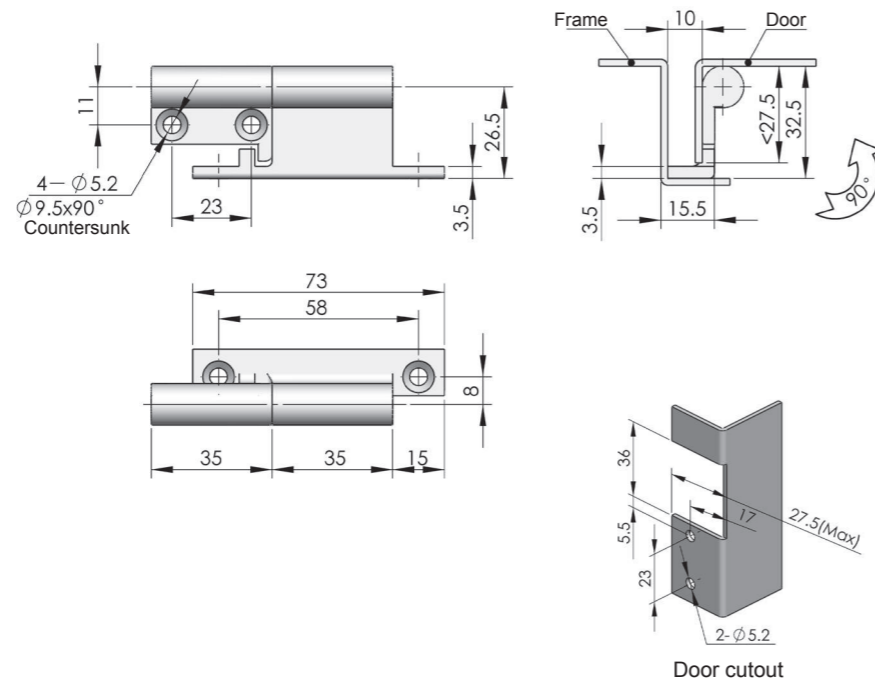
Application: Opening angle 90°

Performance parameter:

Maximum static load

Radial load: 260N

Axial load: 330N



	Nanometer painted	Black powder coated
ERP	CL331Z2B001	CL331Z1A001

CL332



Main material and finish: Black powder coated ZDC hinge and nicked plated steel pin

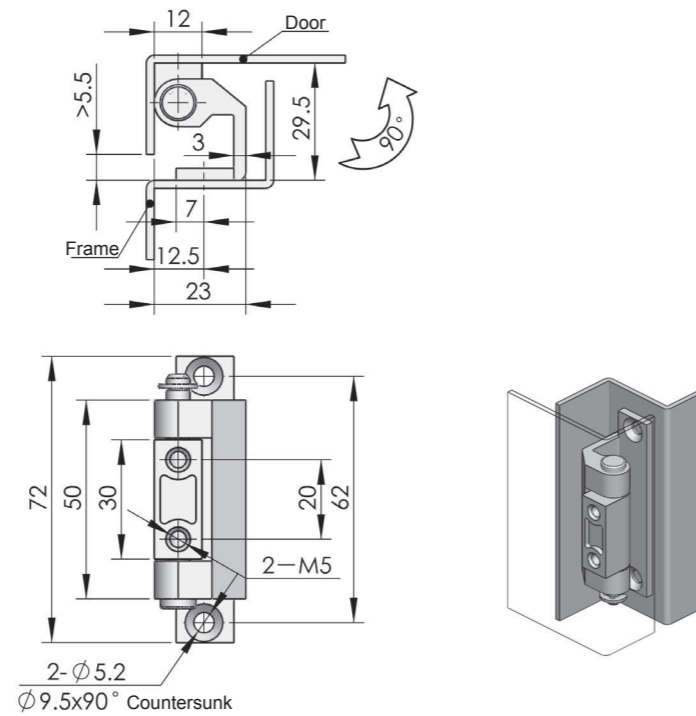
Application: Opening angle 90°

Performance parameter:

Maximum static load

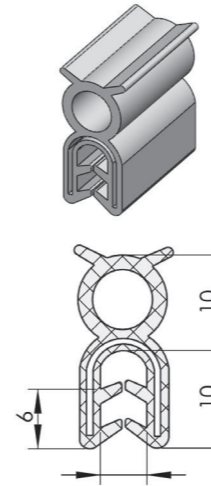
Radial load: 295N

Axial load: 625N

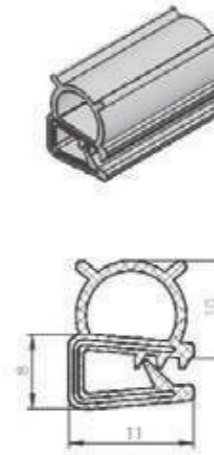


	Nanometer painted	Black powder coated
ERP	CL332Z2B001	CL332Z1A001

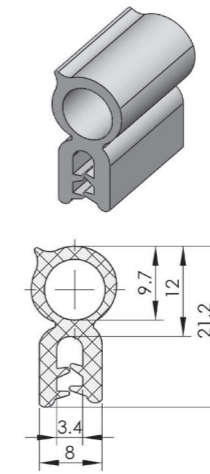
MFT-001



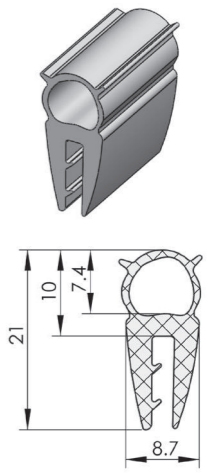
MFT-002



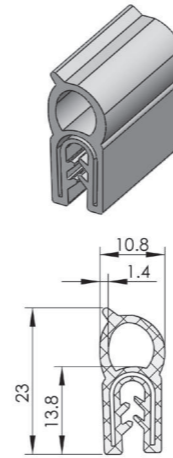
MFT-003



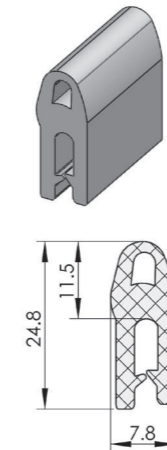
MFT-004



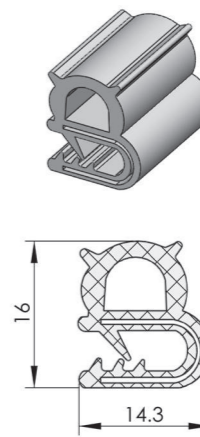
MFT-005



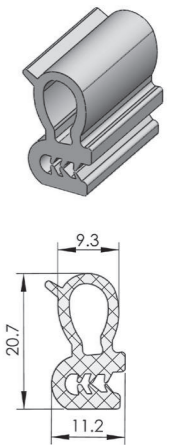
MFT-007



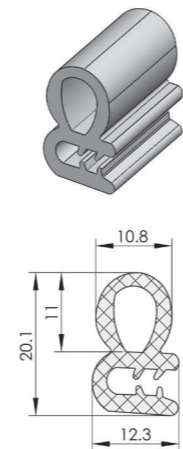
MFT-009



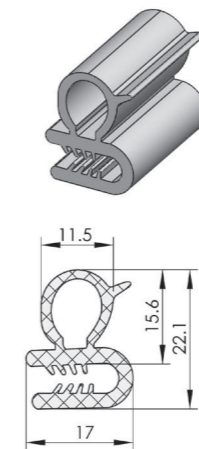
MFT-010



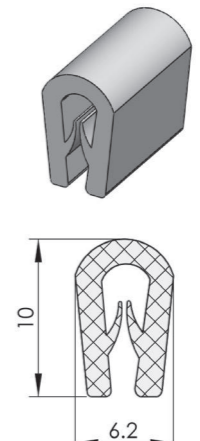
MFT-011



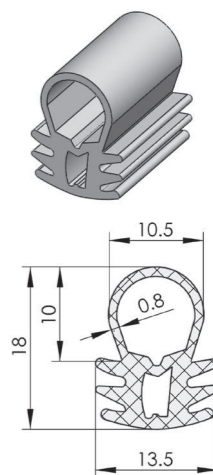
MFT-012



MFT-015



MFT-016



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories	MFT-017	MFT-018	MFT-019	MFT-020	MFT-036	MFT-037	MFT-038	MFT-039	Accessories
Electronic lock									Electronic lock
Handle lock									Handle lock
Cylinder lock									Cylinder lock
Plane lock	MFT-025	MFT-026	MFT-027	MFT-028	MFT-041	MFT-042	MFT-043	MFT-045	Plane lock
Rod control lock									Rod control lock
Panel lock									Panel lock
Toggle and hook									Toggle and hook
Handles	MFT-029	MFT-031	MFT-032	MFT-034	MFT-047	MFT-048	MFT-049	MFT-050	Handles
Door stop									Door stop
Hinge									Hinge
Seal gasket									Seal gasket

Accessories	MFT-051	MFT-054	MFT-055	MFT-056	Tee Pipe		Accessories
Electronic lock					FJ019-3	FJ019-2	FJ019-1D
Handle lock							
Cylinder lock							
Plane lock	MFT-058	MFT-059	MFT-060	MFT-065	ERP Material 112000096 Carbon steel		ERP Material 112000086 Carbon steel
Rod control lock							
Panel lock							
Toggle and hook					FB0155		
Handles	MFT-067	MFT-068	MFT-069	MFT-070			
Door stop							
Hinge							
Seal gasket					ERP Material 112000011 ZDC		ERP Material 1180150001 PA6+30%GF

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		MS353	054	MS726-1	141	MS762	099
		MS703	131	MS726-1A	142	MS763	098
		MS704-1	065	MS726-2	142	MS769-1	100
		MS704-1A	065	MS726-3	143	MS769-2	100
		MS704-2	064	MS727	143	MS769-3	099
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		MS705-K	072	MS729-2	083	MS773-3	102
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		MS705-3A	074	MS730	144	MS773-5	103
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		MS705-3C-4	075	MS731-1	167	MS775-2	103
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DS913

Cabinet lock

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MS705-27
MS773-5
MS861-2G
MS861-2H
MS861-4
MS828-8
MS828-9
MS840-6P
MS867-8

Toggle

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DK619-9
DK627
DK633-3

Hinge

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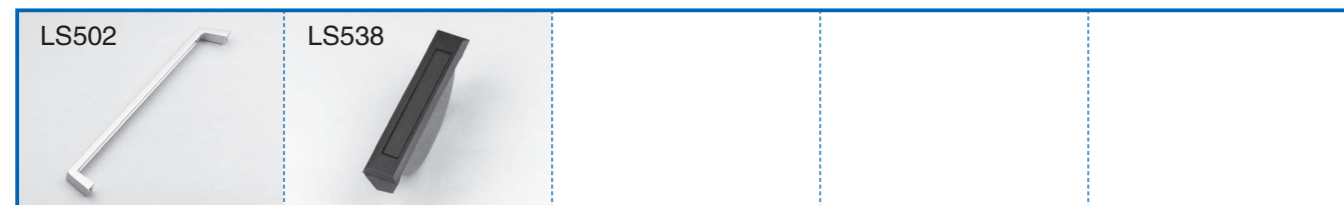
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Off-the-shelf product list

Toggle and hook series



Handle series



Hinge series



Remarks:products in the drawing above can still be produced, MOQ ≥ 1000PCS.

Sample Tips

The performance and application specification of our products are only for reference. If the application conditions of the chosen products and the matching products can not be confirmed, then they should be tested under the practical situation and environment. Thereby it can be confirmed whether the products are suitable for the users and whether they satisfy the users in the application. The application conditions will be changed in different applicable occasions and by different installed methods, so the sample only introduces the products' general performance and application. The standard size is only for the users to confirm the products' external size and provide them proper installed methods. Any mistake or drawback of those data in practical application, we highly welcome your feedback information.

Order of regular standard items will be handled and dispatched faster than those of irregulars and nonstandard ones.

All of your cabinet locks, hinges, door stops and other regular products are RH application. Drawings of this catalog may not share single unified scale.