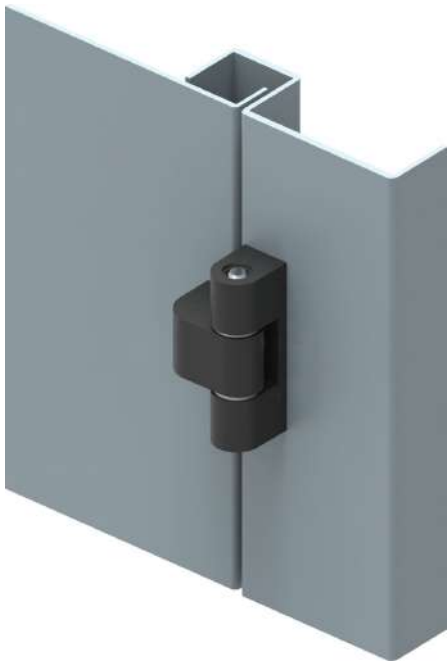
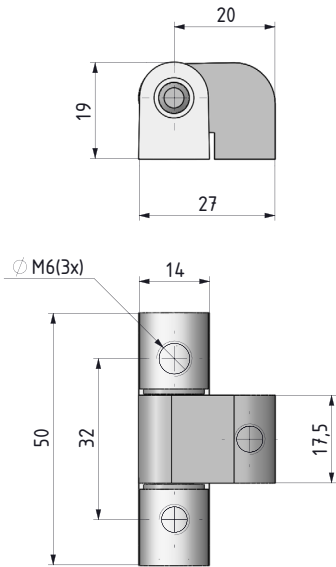


693

HINGE WITH BEARING



MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel
BEARING: Delrin



MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Version
693	1	F	2

Hinge Rotation Angle
 180°

HVAC HINGE (3D)

800



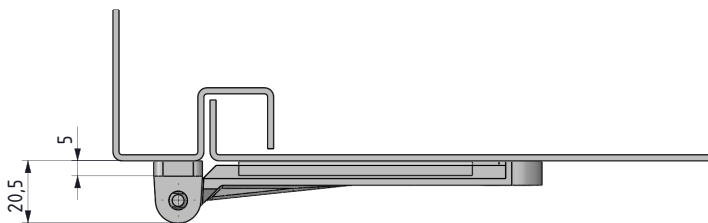
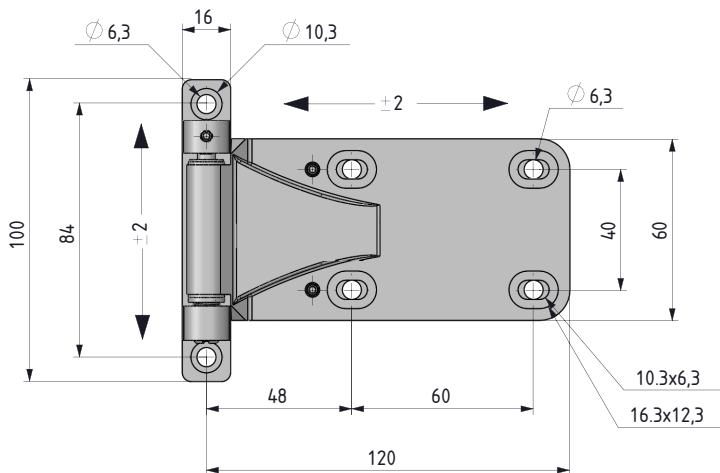
- Suitable for three-dimensional door adjustment
- Can be used for flush doors

MATERIAL

MATERIAL
BODY: Zamak DIN-EN
1774-ZnAl4Cu1

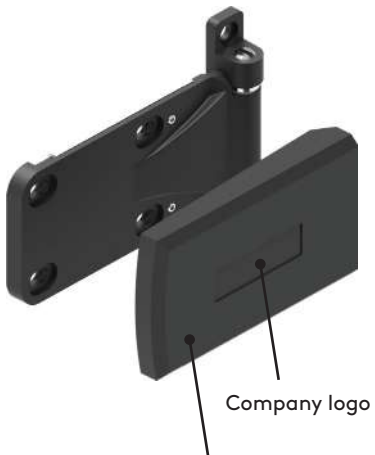
PIN:	Steel
BEARING:	Delrin

FINISH
Black coated



HINGE COVER

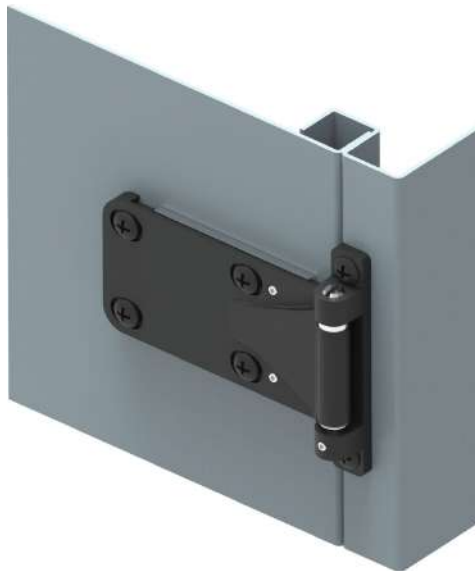
320.02.017



(Order seperately)

MATERIAL

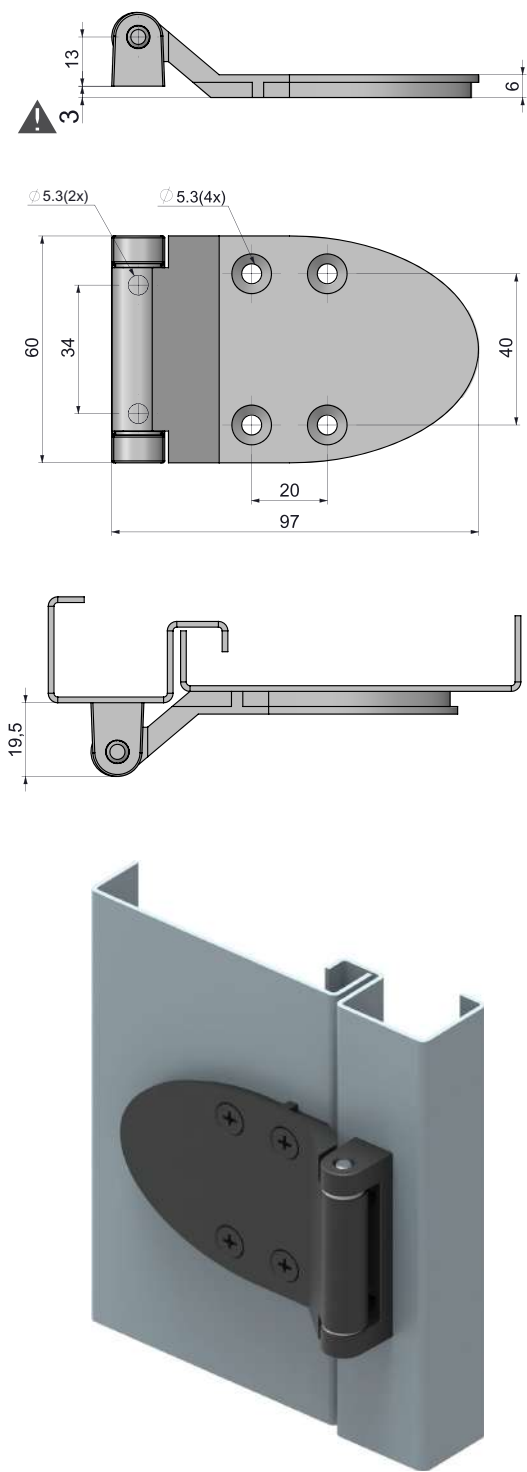
Polyamide
DIN-EN ISO 1043-1 PA6 GFR 30



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

DOOR DIRECTION	
Right hand	001 
Left hand	 002

Group Code	Material	Finish	Door Direction
800	1	2	



500

HVAC HINGE (3D)



- Generally used for plain/flush-mounted, isolated, heavy doors
- Specially designed for central air conditioning units
- Stylish design
- Supplied with polyamide hinge cover and Stainless steel (AISI 304) hinge pin

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel
BEARING: Delrin
COVER: PA 6 GFR 30

FINISH
Black coated



Hinge Rotation Angle
 $0 \rightarrow 180^\circ$

Note: Bolts are not supplied

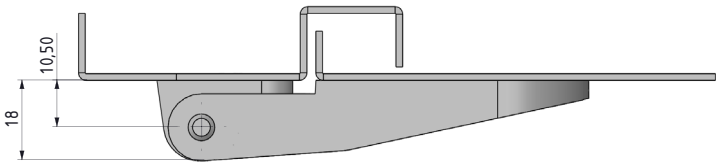
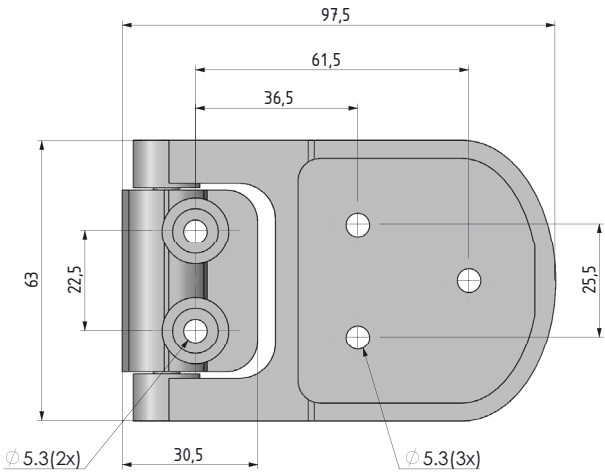
MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Group Code	Material	Finish
500	1	2



HVAC HINGE

300



Hinge Rotation Angle

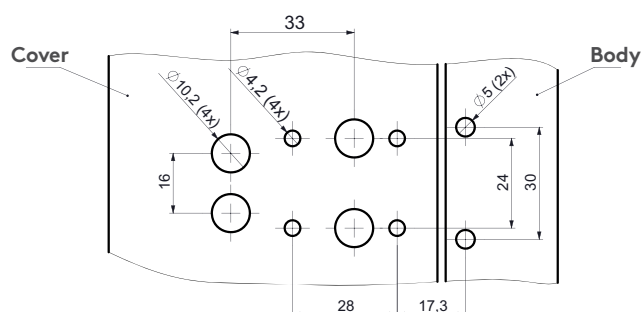
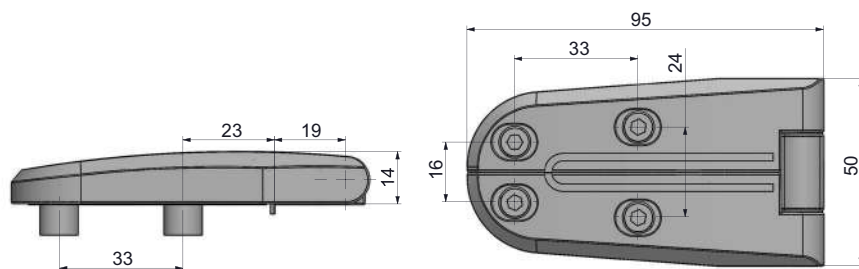


MATERIAL	M	FINISH	F
Plastic	2	No finish	0

Group Code	Material	Finish
300	2	0

1500

HVAC HINGE



Cut out



- It is specially designed for easy mounting in double hull insulation door.
- Hinge rotation 180°.
- It can adjust 3mm in vertical and horizontal direction.
- Bolts are sent assembled on the product.

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel
BOLTS: Stainless Steel

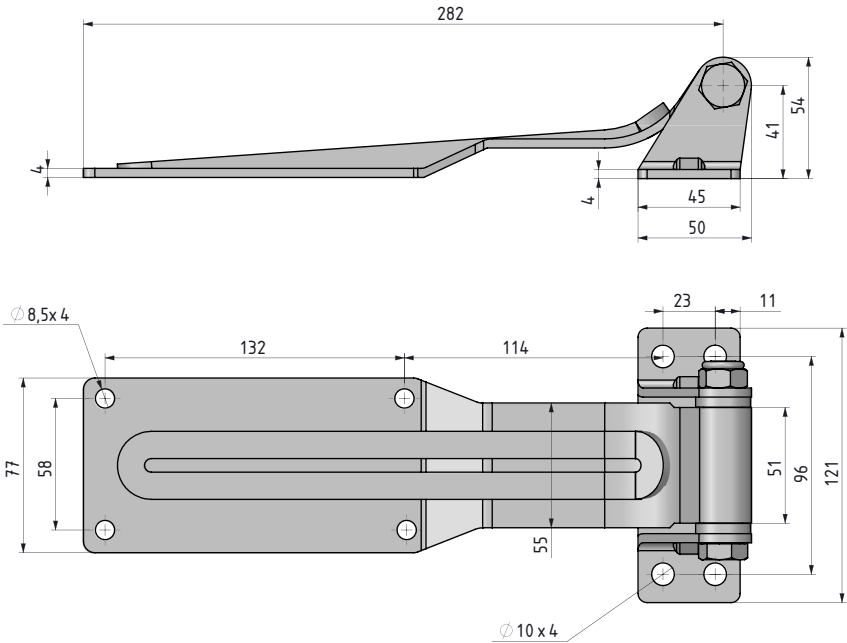
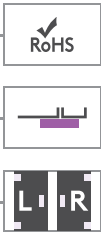
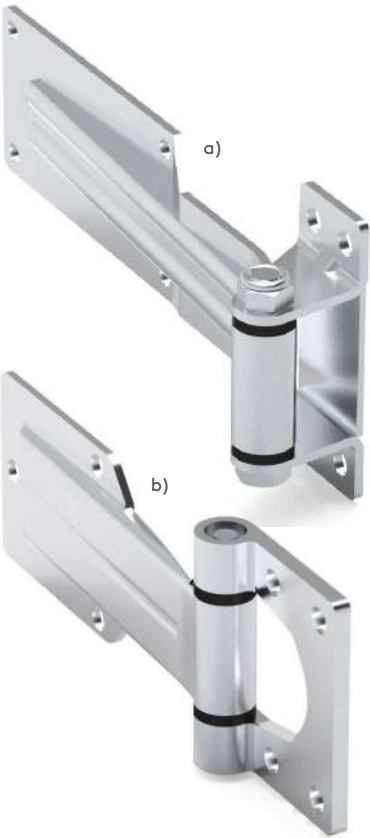
Note: Bolts are supplied

MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Version	Material	Finish
1500	2	1	F



TRUCK CARRIER HINGE

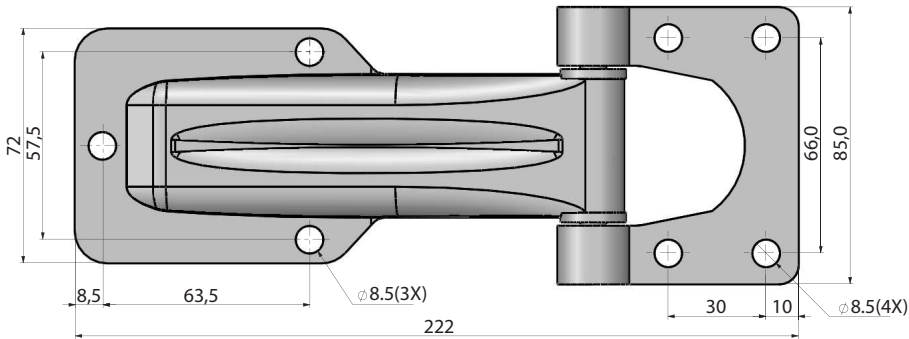
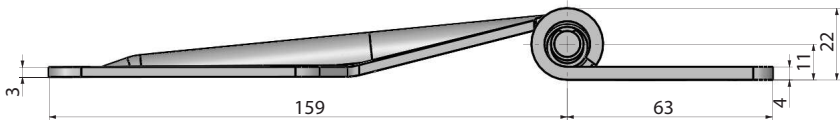


a)

MATERIAL & FINISH	PRODUCT CODE
Steel – Zinc plated	340.0.8024
Steel – Black coated	340.0.8025

- Strong hinge used on doors of refrigerated truck carriers and trailers
- Opening angle is 270 degrees
- Provided as zinc plated or black powder coated.
- Suitable for LH and RH applications
- Please contact with Mesan for various dimensions

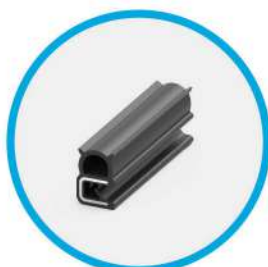
MATERIAL
Frame part: Steel
Door part: Steel



b)

MATERIAL & FINISH	PRODUCT CODE
Steel – Zinc plated	340.0.8023
Steel – Black coated	340.0.8029





392



392



393



393



394



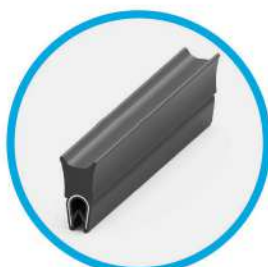
394



395



395



396



396



397



397



398



398



399



399



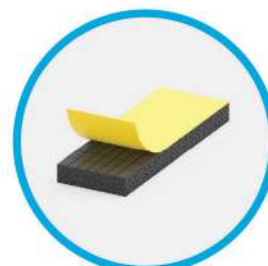
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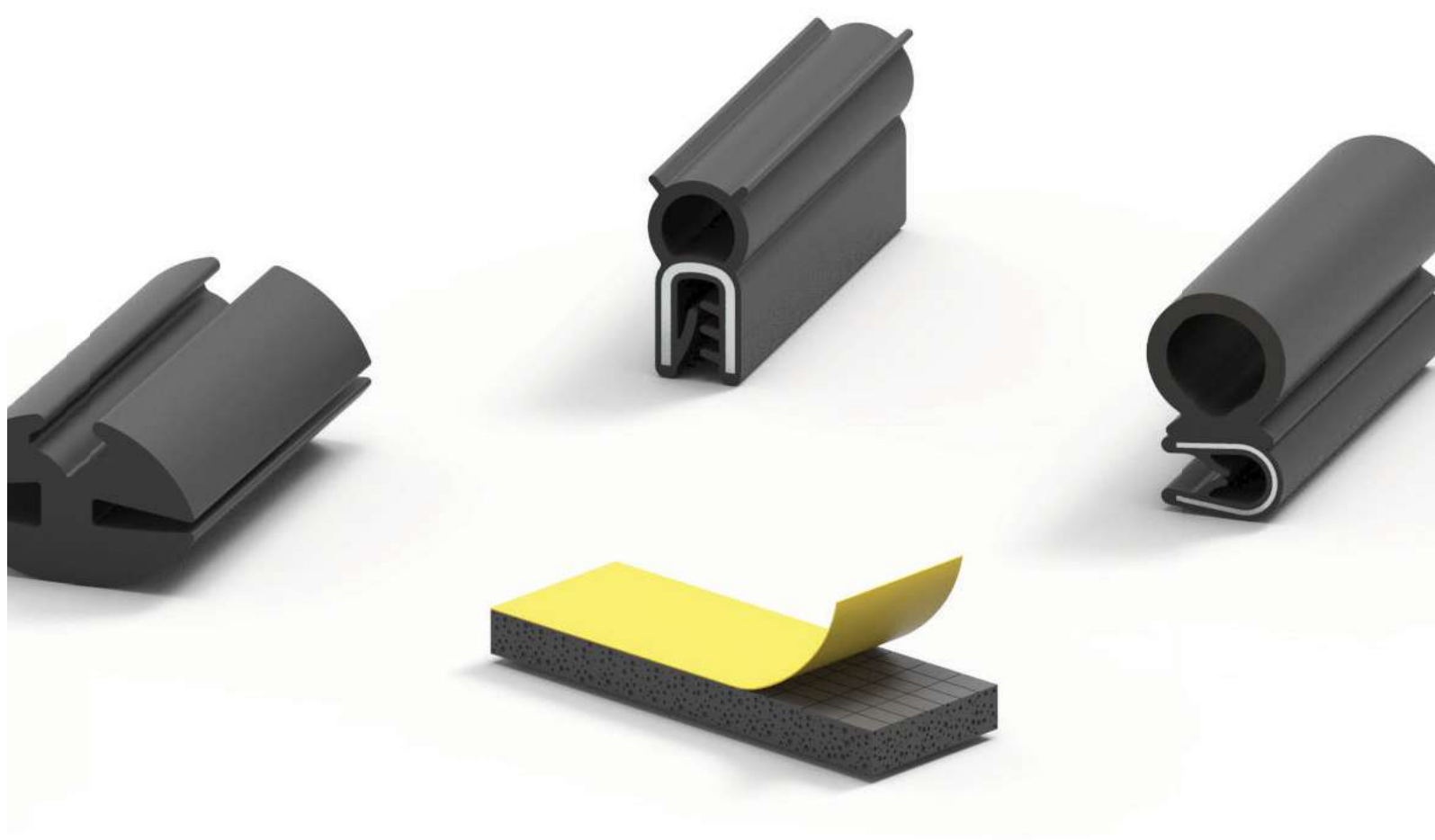
400



401



401



GASKETS

386-401



mesan
ESSENTA COMPONENTS

Tightness Seals for Cabins and Panels

In parallel with the today's technological advancements and maximum customer expectations.

- Minimum permeability,
- Maximum sound insulation,
- Low shutting force,
- Vibration-free movement,
- Closing gaps with wide tolerance,
- Designed and manufactured for quick and easy assembly properties.



PVC

Polyvinyl chloride, generally known as PVC, is an elastomer with a wide area of use in daily life. It's preferred due to its resistance against environmental conditions as well as being easy to manufacture.

- It has a wide range of hardness with suitable modifications.
- It can be colored and it's recyclable.
- Its temperature range is between -25 and 70°C.
- It has high resistance against ozone, acid, wearing, and tearing, but low fuel resistance.

VMQ - SILICONE RUBBER

As opposed to other synthetic rubbers, it does not have carbon in its molecular chain. They only contain silicone and oxygen atoms.

- They have perfect heat resistance in dry environments (200 - 220 °C). During contact with high-pressure vapor (130 - 140 °C) or in case of aging at indoor areas without oxygen, the heat resistance may decrease due to hydrolysis.
- Ozone, ultraviolet light or atmospheric conditions do not change its properties.
- It is a good non-conductor.
- It has an automatic fire extinction property. The residual material that forms as a result of long-term fire exposure (silica) is a perfect non-conductor.
- It's physically harmless, therefore suitable for medical applications.
- Its temperature range is between -70 and 220°C.

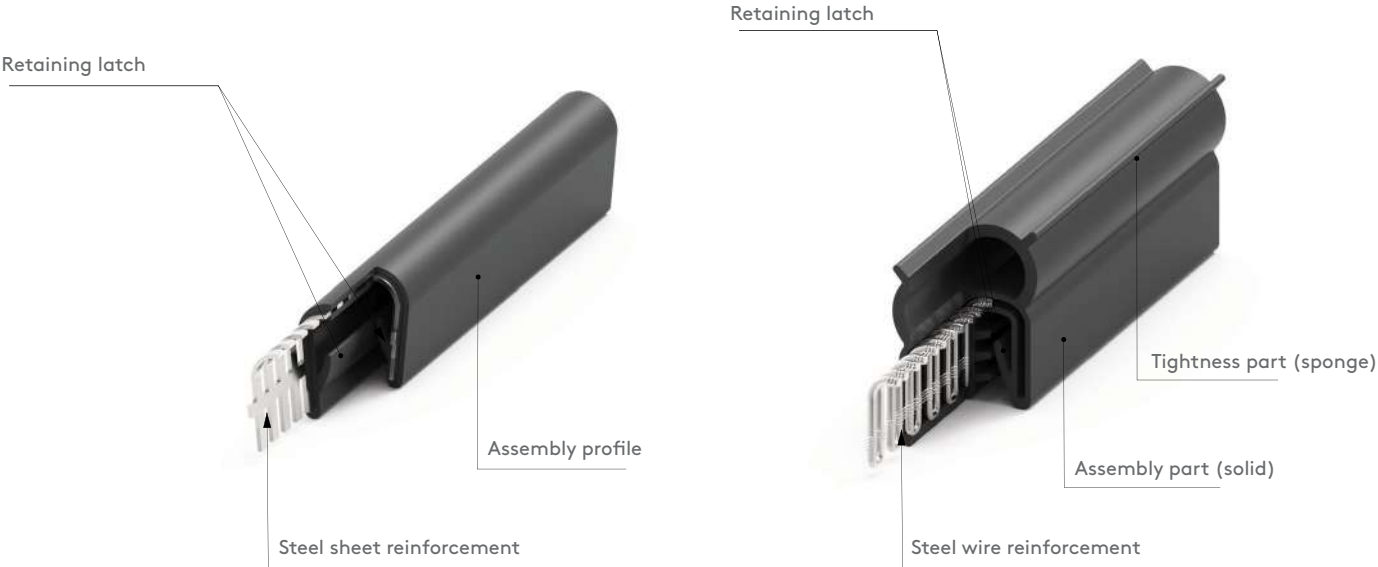
Gaskets can be manufactured from different elastomer types in line with the customer expectations/technical specifications.

The mixtures obtained from the elastomers whose general properties are shown on the table, can be modified with different chemicals in order to provide special solutions for areas of application.

Characteristic	PVC	NBR	EPDM	SILICON
Min. operating temperature	-10	-25	-25	-25
Max. operating temperature	45	90	120	135
Tensile Strenght	Excellent	Excellent	Excellent	Conditional
Abrasion Resistance Wear Resistance	Excellent	Excellent	Fair	Fair
Resistant to:				
UV Light/weather exposure	●	●	●	●
Oil, greases	●	●	●	●
Fuels	●	●	●	●
Acids	●	●	●	●
Alkalines	●	●	●	●
Chlorinated Solvents		●	●	●
Alcohol	●	●	●	●

● Resistant ● Non-resistant ● Resistant against the conditions

Gasket structure

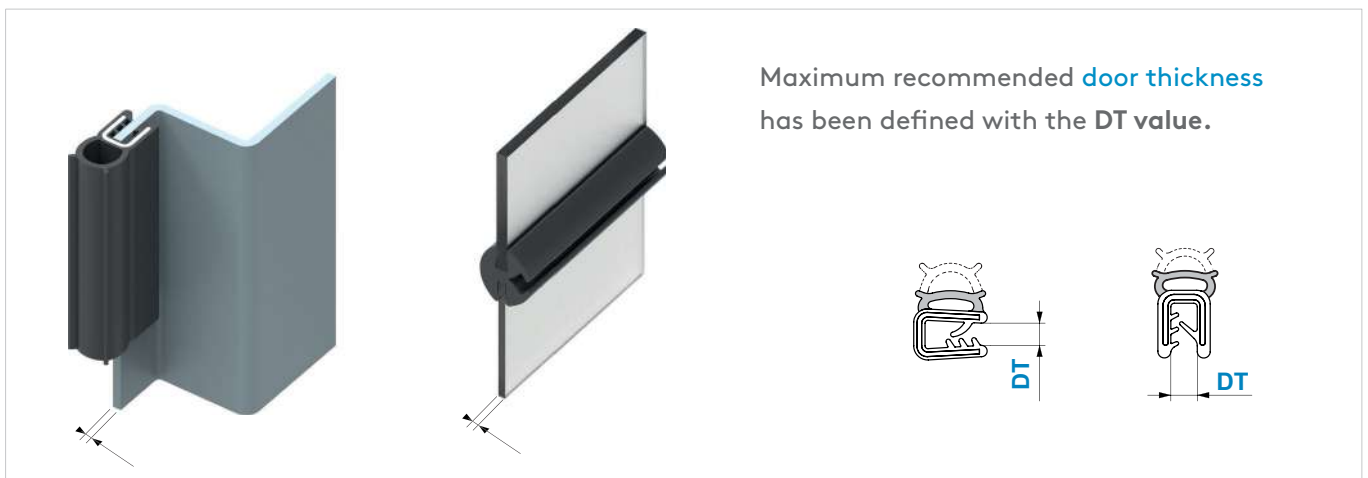
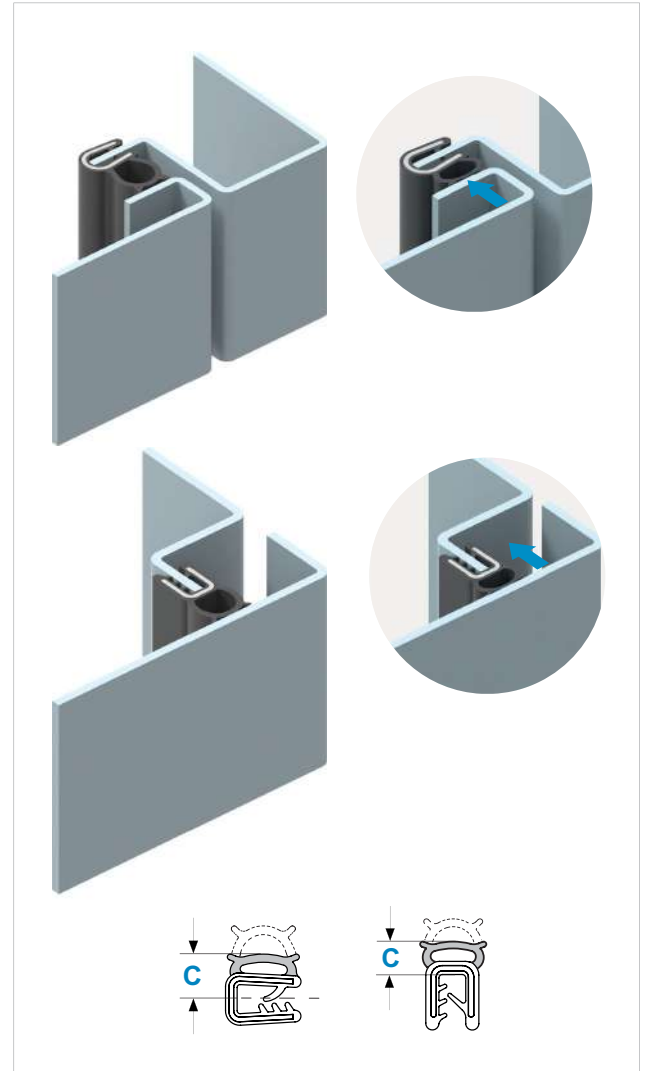
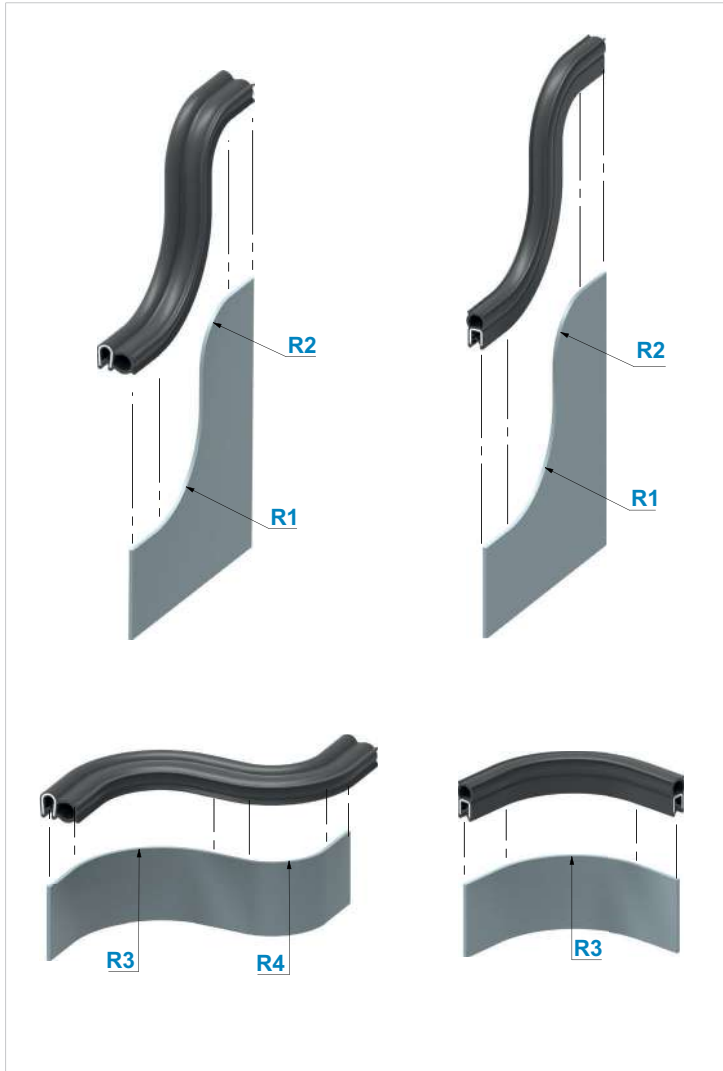


Gaskets with single or double components may be manufactured by using different metal reinforcement according to the area of application.

Technical Expressions:

In the technical data sheet, the minimum **bending** radius of the relevant gaskets have been stated with the **R values**.

Gasket **Compression** rate (**C**) is **between 40% and 60%**.



Maximum recommended **door thickness** has been defined with the **DT value**.

Applications:

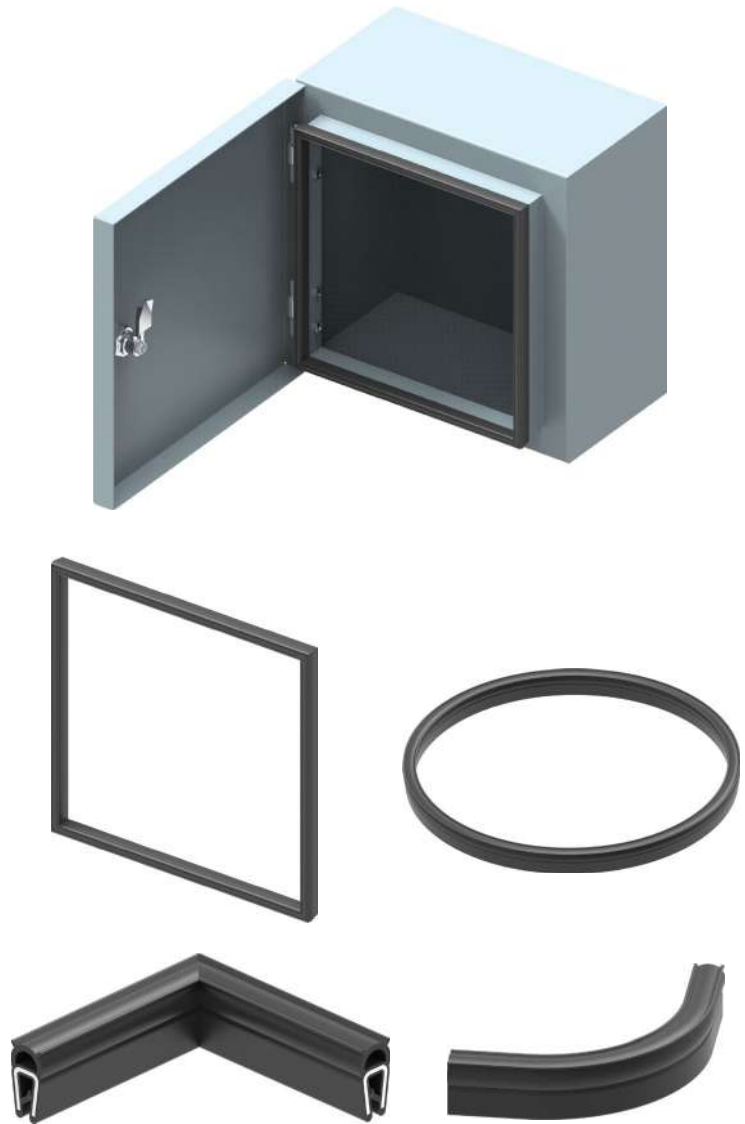
With the 90° blind or end-to-end welding method, ready-to-assemble gaskets can be manufactured in line with the customer's request.

Product advantages:

- You do not need to cut gaskets.
- You save time by easily assembling on the doors.
- It provides tightness in the face ends and corners.

Note: Only applicable for EPDM gaskets.

You must completely specify the frame size of the gasket to be assembled in your order.



Some of our PDM gaskets have the **UL 94-V0** flame-retardant properties..

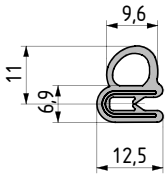
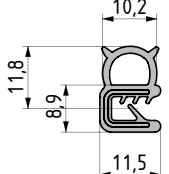
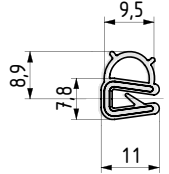
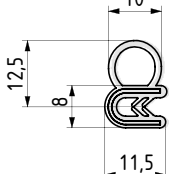


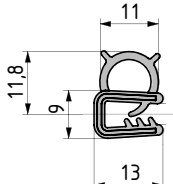
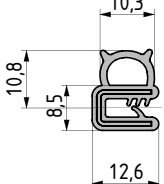
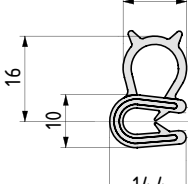
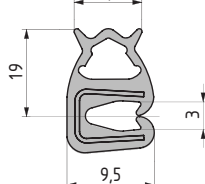
Silicone gaskets

Applicable in areas where cleaning and hygiene works are required.

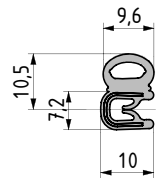
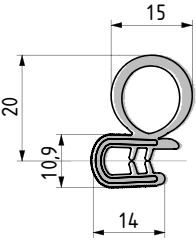
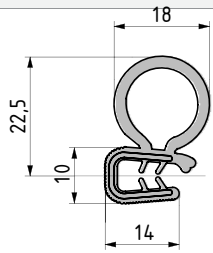
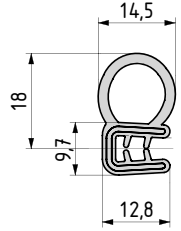
New products can be worked out in line with the customer's requests.

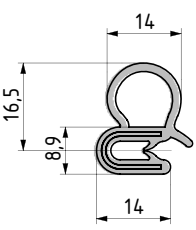
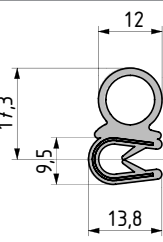
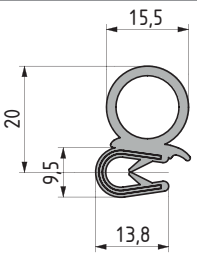
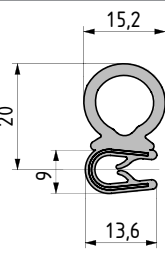
Please consult our sales team for different gasket or property requests.

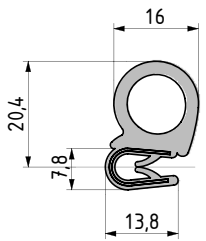
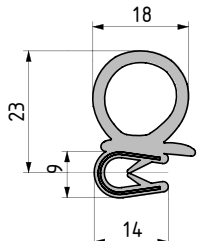
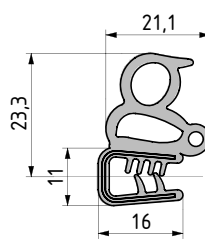
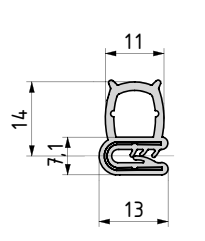
			
			
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MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 40	R1 50	R1 40	R1 40
R2 50	R2 60	R2 50	R2 50
R3 80	R3 180	R3 90	R3 -
R4 40	R4 40	R4 50	R4 -
DT 2 - 1 mm	DT 3 - 1.5 mm	DT 2 - 1.5 mm	DT 2 - 1.5 mm
PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 100

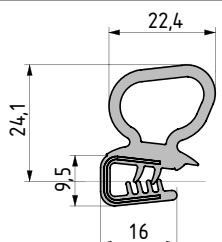
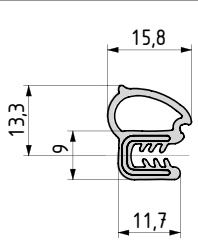
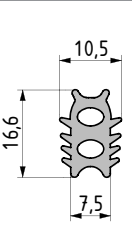
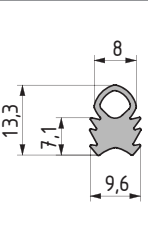
			
			
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UL 94-V0 340.09.006.001	MATERIAL EPDM	MATERIAL EPDM	MATERIAL Silicone
MATERIAL EPDM	COLOR BLACK	COLOR BLACK	COLOR BLUE
R1 50	R1 60	R1 70	R1 30
R2 60	R2 70	R2 60	R2 30
R3 180	R3 150	R3 230	R3 90
R4 80	R4 80	R4 200	R4 70
DT 3 - 1.5 mm	DT 2 - 1 mm	DT 2.5 - 1 mm	DT 2 - 1.5 mm
PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 50	PACKAGING(mt) 50



			
			
PRODUCT CODE 340.09.701	PRODUCT CODE 340.09.019	PRODUCT CODE 340.09.021	PRODUCT CODE 340.09.029
MATERIAL PVC / EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 20	R1 60	R1 80	R1 50
R2 25	R2 70	R2 80	R2 50
R3 55	R3 220	R3 250	R3 130
R4 30	R4 200	R4 230	R4 160
DT 2.5 - 1 mm	DT 3 - 1.5 mm	DT 3 - 1.5 mm	DT 3 - 1.5 mm
PACKAGING (mt) 2 X 50= 100	PACKAGING (mt) 50	PACKAGING (mt) 40	PACKAGING (mt) 50

			
			
PRODUCT CODE 340.09.017	PRODUCT CODE 340.09.705	PRODUCT CODE 340.09.712	PRODUCT CODE 340.09.707
MATERIAL EPDM	MATERIAL PVC / EPDM	MATERIAL PVC / EPDM	MATERIAL PVC / EPDM
COLOR BLACK	COLOR BLACK / RED	COLOR BLACK / RED	COLOR BLACK / RED
R1 60	R1 50	R1 40	R1 40
R2 80	R2 60	R2 70	R2 70
R3 230	R3 130	R3 130	R3 130
R4 210	R4 70	R4 110	R4 110
DT 2.5 - 1 mm	DT 3 - 1.5 mm	DT 3 - 1.5 mm	DT 3 - 1.5 mm
PACKAGING (mt) 50	PACKAGING (mt) 50	PACKAGING (mt) 50	PACKAGING (mt) 50

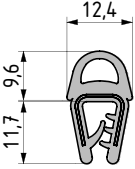
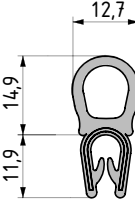
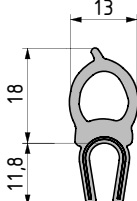
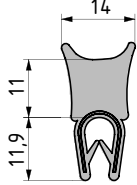
			
			
PRODUCT CODE 340.09.716	PRODUCT CODE 340.09.719	PRODUCT CODE 340.09.729	PRODUCT CODE 340.09.942
MATERIAL PVC/EPDM	MATERIAL PVC/EPDM	MATERIAL PVC/EPDM	MATERIAL PVC/EPDM
COLOR BLACK/RED	COLOR BLACK/RED	COLOR BLACK/WHITE	COLOR BLACK
R1 40	R1 50	R1 90	R1 30
R2 60	R2 70	R2 90	R2 30
R3 130	R3 150	R3 150	R3 100
R4 110	R4 130	R4 150	R4 70
DT 3 - 1.5 mm	DT 3 - 1.5 mm	DT 4 - 1.5 mm	DT 2 - 1 mm
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50

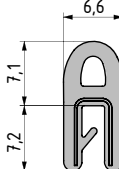
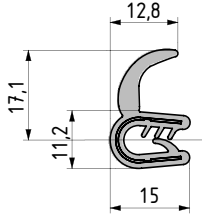
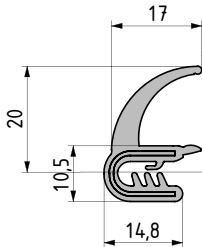
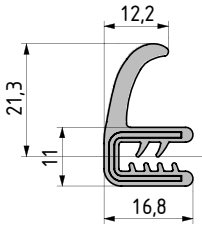
			
			
PRODUCT CODE 340.09.735	PRODUCT CODE 340.09.010	PRODUCT CODE 340.09.678	PRODUCT CODE 340.09.679
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 70	R1 70	R1 70	R1 70
R2 70	R2 80	R2 70	R2 70
R3 -	R3 100	R3 50	R3 40
R4 60	R4 170	R4 -	R4 -
DT 4 - 1.5 mm	DT 3 - 2 mm	DT -	DT -
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 100	PACKAGING(mt) 100



PRODUCT CODE 340.09.101	PRODUCT CODE 340.09.102	PRODUCT CODE 340.09.103	PRODUCT CODE 340.09.104
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 130	R1 90	R1 70	R1 110
R2 70	R2 60	R2 60	R2 60
R3 30	R3 25	R3 25	R3 40
R4 -	R4 -	R4 -	R4 40
DT 2.5 - 1.5 mm	DT 1.5 - 1 mm	DT 2 - 1 mm	DT 3 - 1.5 mm
PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 100

PRODUCT CODE 340.09.105	PRODUCT CODE 340.09.107	PRODUCT CODE 340.09.124	PRODUCT CODE 340.09.802
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL PVC / EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK / YELLOW
R1 100	R1 100	R1 160	R1 90
R2 60	R2 60	R2 110	R2 80
R3 40	R3 40	R3 50	R3 30
R4 -	R4 -	R4 -	R4 -
DT 3.5 - 1.5 mm	DT 3.5 - 1.5 mm	DT 3.5 - 1.5 mm	DT 3 - 1.5 mm
PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 50	PACKAGING(mt) 100

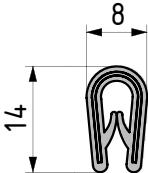
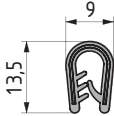
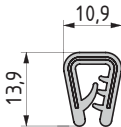
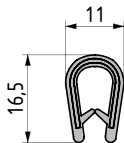
			
			
PRODUCT CODE 340.09.804	PRODUCT CODE 340.09.805	PRODUCT CODE 340.09.806	PRODUCT CODE 340.09.810
MATERIAL PVC/EPDM	MATERIAL PVC/EPDM	MATERIAL PVC/EPDM	MATERIAL PVC/EPDM
COLOR BLACK/YELLOW	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 90	R1 90	R1 90	R1 160
R2 80	R2 70	R2 70	R2 60
R3 30	R3 30	R3 30	R3 60
R4 -	R4 -	R4 -	R4 -
DT 2.5 - 1.5 mm	DT 3 - 1.5 mm	DT 3.5 - 1.5 mm	DT 3 - 1.5 mm
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50

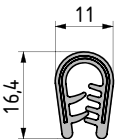
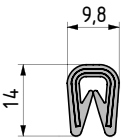
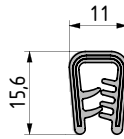
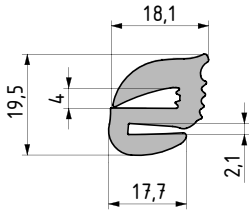
			
			
PRODUCT CODE 340.09.100	PRODUCT CODE 340.09.202	PRODUCT CODE 340.09.203	PRODUCT CODE 340.09.205
MATERIAL PVC/EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 60	R1 60	R1 120	R1 60
R2 40	R2 60	R2 90	R2 110
R3 30	R3 -	R3 -	R3 140
R4 -	R4 -	R4 -	R4 220
DT 2 - 1.5 mm	DT 3 - 1.5 mm	DT 3 - 1.5 mm	DT 4 - 2.5 mm
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 40



PRODUCT CODE 340.09.206	PRODUCT CODE 340.09.210	PRODUCT CODE 340.09.902	PRODUCT CODE 340.09.904
MATERIAL EPDM	MATERIAL EPDM	MATERIAL PVC/EPDM	MATERIAL PVC/EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 -	R1 -	R1 50	R1 50
R2 -	R2 -	R2 50	R2 50
R3 30	R3 60	R3 160	R3 160
R4 -	R4 -	R4 160	R4 160
DT 3 - 2 mm	DT 3 - 2 mm	DT 3 - 2 mm	DT 3 - 1.5 mm
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50

PRODUCT CODE 340.09.502	PRODUCT CODE 340.09.504	PRODUCT CODE 340.09.516	PRODUCT CODE 340.09.517
MATERIAL PVC	MATERIAL PVC	MATERIAL PVC	MATERIAL PVC
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK/RED
R1 20	R1 20	R1 30	R1 30
R2 20	R2 20	R2 40	R2 40
R3 15	R3 15	R3 30	R3 30
R4 -	R4 -	R4 -	R4 -
DT 2 - 1 mm	DT 2 - 1 mm	DT 4 - 2 mm	DT 3 - 1.5 mm
PACKAGING(mt) 200	PACKAGING(mt) 200	PACKAGING(mt) 150	PACKAGING(mt) 150

			
			
PRODUCT CODE 340.09.522	PRODUCT CODE 340.09.523	PRODUCT CODE 340.09.527	PRODUCT CODE 340.09.530
MATERIAL PVC	MATERIAL PVC	MATERIAL PVC	MATERIAL PVC
COLOR BLACK	COLOR BLACK/RED	COLOR BLACK/YELLOW	COLOR BLACK/RED
R1 30	R1 50	R1 50	R1 30
R2 40	R2 50	R2 60	R2 40
R3 30	R3 30	R3 30	R3 30
R4 -	R4 -	R4 -	R4 -
DT 2.5 - 1 mm	DT 3 - 1.5 mm	DT 2.5 - 1.5 mm	DT 4 - 2 mm
PACKAGING(mt) 150	PACKAGING(mt) 150	PACKAGING(mt) 150	PACKAGING(mt) 100

			
			
PRODUCT CODE 340.09.538	PRODUCT CODE 340.09.529	PRODUCT CODE 340.09.540	PRODUCT CODE 340.09.419
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK/YELLOW	COLOR BLACK	COLOR BLACK/YELLOW	COLOR BLACK
R1 50	R1 50	R1 50	R1 70
R2 60	R2 50	R2 60	R2 80
R3 40	R3 30	R3 40	R3
R4 -	R4 -	R4 -	R4
DT 4 - 2 mm	DT 3 - 2 mm	DT 4 - 1.5 mm	DT 3.5 mm
PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 100	PACKAGING(mt) 50



PRODUCT CODE 340.09.380	PRODUCT CODE 340.09.381	PRODUCT CODE 340.09.385	PRODUCT CODE 340.09.382
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 40	R1 40	R1 45	R1 30
R2 40	R2 40	R2 45	R2 30
DT 4 - 1 mm	DT 3,5 - 1,5 mm	DT 4,5 - 2 mm	DT 2,5 - 1,5 mm
PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 50	PACKAGING(mt) 100

PRODUCT CODE 340.09.383	PRODUCT CODE 340.09.611	PRODUCT CODE 340.09.384
MATERIAL EPDM	MATERIAL EPDM	MATERIAL EPDM
COLOR BLACK	COLOR BLACK	COLOR BLACK
R1 -	R1 -	R1 -
R2 -	R2 -	R2 -
DT -	DT -	DT -
PACKAGING(mt) 4x50	PACKAGING(mt) 100	PACKAGING(mt) 4x50

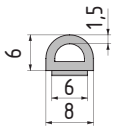
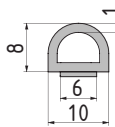
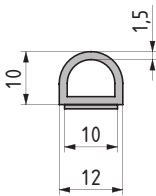
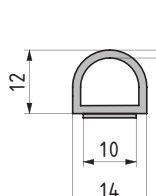
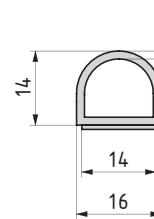
Note:

Zipper Cords needs to be ordered separately.

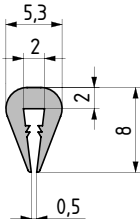
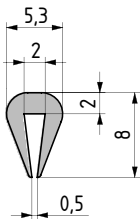
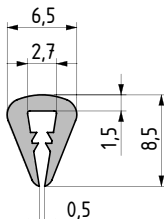
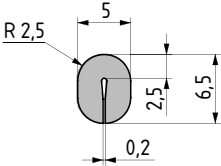
See below table to match with the gasket.

Gasket	Zipper Cord
340.09.380	340.09.383
340.09.381	340.09.383
340.09.385	340.09.611
340.09.382	340.09.384

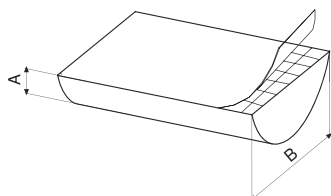
ADHESIVE GASKETS

									
									
PRODUCT CODE	340.09.966	PRODUCT CODE	340.09.968	PRODUCT CODE	340.09.969	PRODUCT CODE	340.09.970		
PRODUCT CODE	340.09.967	MATERIAL	EPDM	MATERIAL	EPDM	MATERIAL	EPDM		
MATERIAL	EPDM	COLOR	BLACK	COLOR	BLACK	COLOR	BLACK		
COLOR	BLACK	R1		R1		R1			
R1		R2		R2		R2			
R2		R3		R3		R3			
R3		R4		R4		R4			
R4		DT	1 mm	DT	1 mm	DT	1 mm		
DT	1 mm	PACKAGING (mt)	100	PACKAGING (mt)	100	PACKAGING (mt)	100		
PACKAGING (mt)	200								

U SEALS

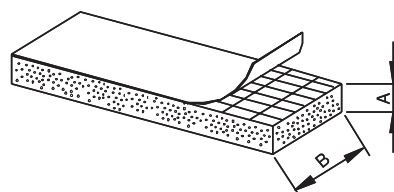
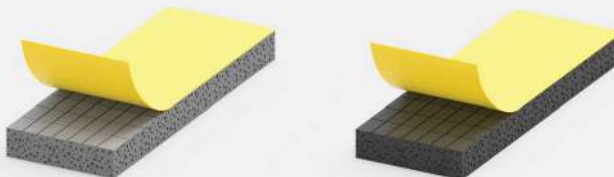
							
							
PRODUCT CODE	34001010	PRODUCT CODE	34001011	PRODUCT CODE	34001012	PRODUCT CODE	34001015
MATERIAL	PVC	MATERIAL	PVC	MATERIAL	PVC	MATERIAL	PVC
COLOR	BLACK	COLOR	BLACK	COLOR	BLACK	COLOR	BLACK
R1	-	R1	-	R1	-	R1	-
R2	-	R2	-	R2	-	R2	-
R3	-	R3	-	R3	-	R3	-
R4	-	R4	-	R4	-	R4	-
DT	1 mm	DT	1 mm	DT	1 mm	DT	1 mm
PACKAGING (mt)	100	PACKAGING (mt)	100	PACKAGING (mt)	100	PACKAGING (mt)	100

ADHESIVE CAST GASKET



A MM	B MM	1300 POLYURETHANE	STANDARD ROLL LENGTH (M)
3	10	1300.3.10	50
3	15	1300.3.15	50
3	20	1300.3.20	50
4	10	1300.4.10	50
4	15	1300.4.15	50
4	20	1300.4.20	50
5	10	1300.5.10	50
5	15	1300.5.15	50
5	20	1300.5.20	50
6	10	1300.6.10	25
6	15	1300.6.15	25
6	20	1300.6.20	25
7	10	1300.7.10	25
7	15	1300.7.15	25
7	25	1300.7.25	25
8	10	1300.8.10	25
8	15	1300.8.15	25
8	20	1300.8.20	25
9	15	1300.9.15	25
9	20	1300.9.20	25
10	15	1300.10.15	25
10	20	1300.10.20	25

ADHESIVE GASKET



A MM	B MM	1100 POLYETHYLENE	1200 EPDM	STANDARD ROLL LENGTH (M)
2	10	1100.2.10	1200.2.10	10
2	15	1100.2.15	1200.2.15	10
2	20	1100.2.20	1200.2.20	10
2	25	1100.2.25	1200.2.25	10
2	30	1100.2.30	1200.2.30	10
3	10	1100.3.10	1200.3.10	10
3	15	1100.3.15	1200.3.15	10
3	18	1100.3.18	1200.3.18	10
3	20	1100.3.20	1200.3.20	10
3	25	1100.3.25	1200.3.25	10
3	30	1100.3.30	1200.3.30	10
3	40	1100.3.40	1200.3.40	10
5	10	1100.5.10	1200.5.10	10
5	13	1100.5.13	1200.5.13	10
5	15	1100.5.15	1200.5.15	10
5	18	1100.5.18	1200.5.18	10
5	20	1100.5.20	1200.5.20	10
5	25	1100.5.25	1200.5.25	10
5	30	1100.5.30	1200.5.30	10
5	35	1100.5.35	1200.5.35	10
5	40	1100.5.40	1200.5.40	10
5	50	1100.5.50	1200.5.50	10
8	8	1100.8.8	1200.8.8	10
8	10	1100.8.10	1200.8.10	10
8	12	1100.8.12	1200.8.12	10
8	15	1100.8.15	1200.8.15	5
8	20	1100.8.20	1200.8.20	5
8	25	1100.8.25	1200.8.25	5
8	30	1100.8.30	1200.8.30	5
8	40	1100.8.40	1200.8.40	5
10	10	1100.10.10	1200.10.10	5
10	12	1100.10.12	1200.10.12	5
10	15	1100.10.15	1200.10.15	5
10	20	1100.10.20	1200.10.20	5
10	25	1100.10.25	1200.10.25	5
10	30	1100.10.30	1200.10.30	5
10	35	1100.10.35	1200.10.35	5
10	40	1100.10.40	1200.10.40	5



404



404



405



405



406



406



407



407



408



408



409



409



410



410



411



412



413



414



414



415



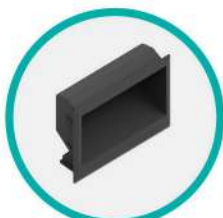
416



417



418



405



419



HANDLES

402-419



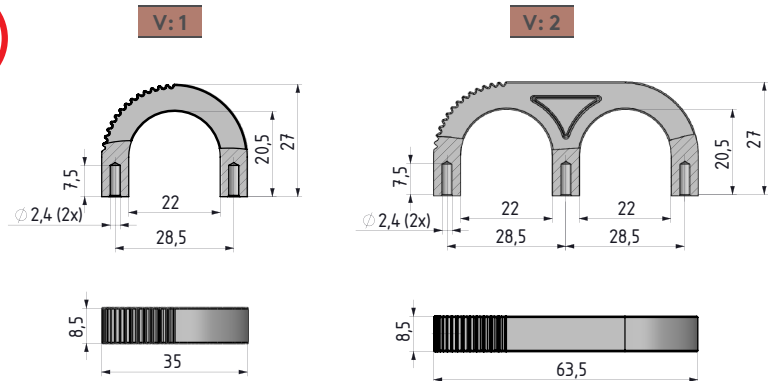
mesan
ESSENTA COMPONENTS

FINGER HANDLE

185



NEW



MATERIAL
Polyamide DIN-EN ISO 1043-1
PA 6 GFR 30

MATERIAL	M	FINISH	F	OPTION	O
Plastic	2	No Finish	0	Only Handle	0
		Grey	3	Handle + Screw, Washer	1
		Red	4		

Group Code	Material	Finish	Version	Option
185	2	F	V	O

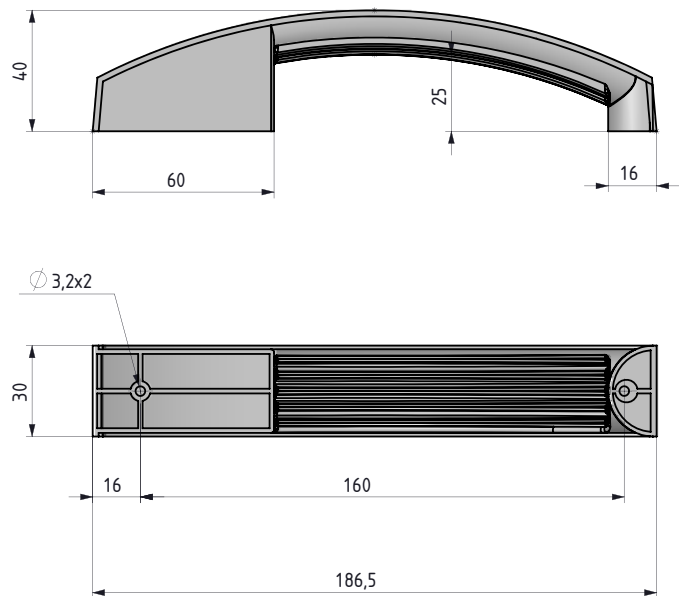
COVER HANDLE

286



- Stylish
- Internal fixing with two screws

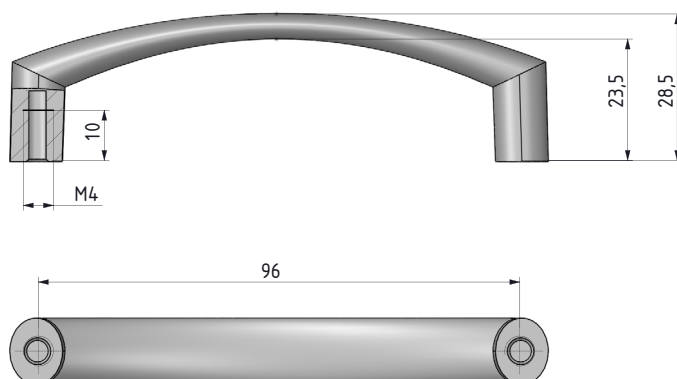
MATERIAL
Polyamide DIN-EN ISO 1043-1
PA 6 GFR 30





084

MILLENNIUM HANDLE



MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish
084	M	F



- Stylish handle for wooden furniture

MATERIAL

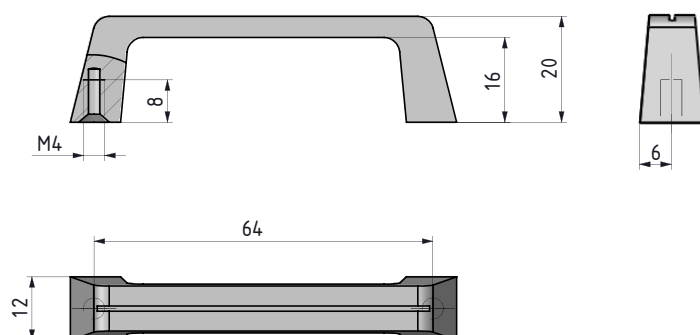
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome or black coated

085

DRAWER HANDLE



MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish
085	M	F



- Stylish handle for wooden furniture and keyboard shelf in rack cabinets

MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

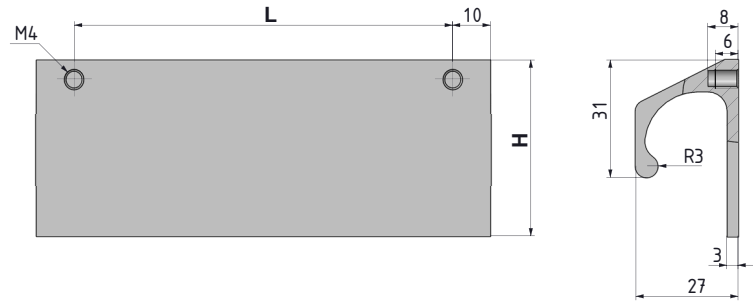
Chrome or black coated

 HANDLES

ALUMINIUM HANDLE

083

NEW



H	L
46	100
	150
	200

MATERIAL	M	FINISH	F
Aluminium	5	Chrome plated	1
		Black coated (RAL 9005)	2
		Matt anodized	7

Group Code	Material	Finish	Height	Length
083	5	F	46	L

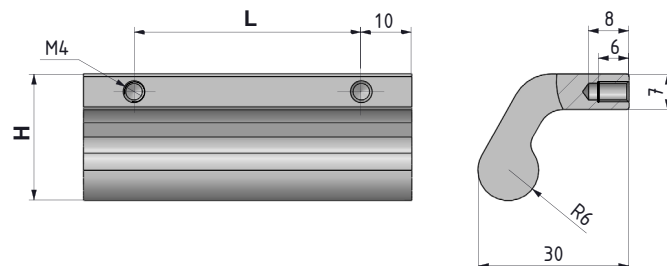
MATERIAL
Aluminium

FINISH
Chrome plated, matt anodized
or black coated

ALUMINIUM HANDLE

183

NEW



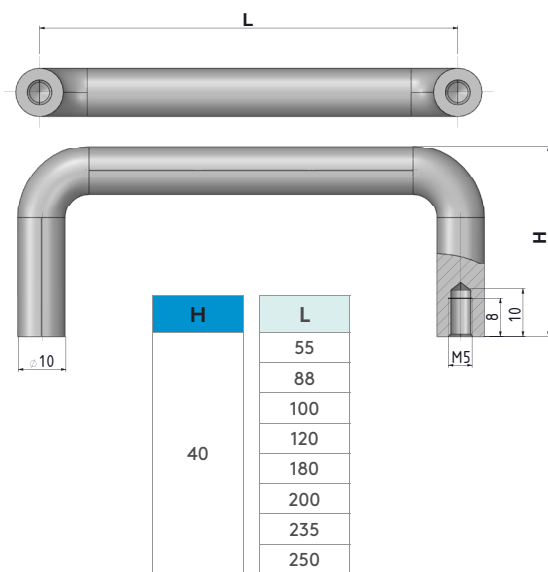
H	L
25	30
	45
	64
	70
	80
	90
	105

MATERIAL	M	FINISH	F
Aluminium	5	Chrome plated	1
		Black coated (RAL 9005)	2
		Matt anodized	7

Group Code	Material	Finish	Height	Length
183	5	F	25	L

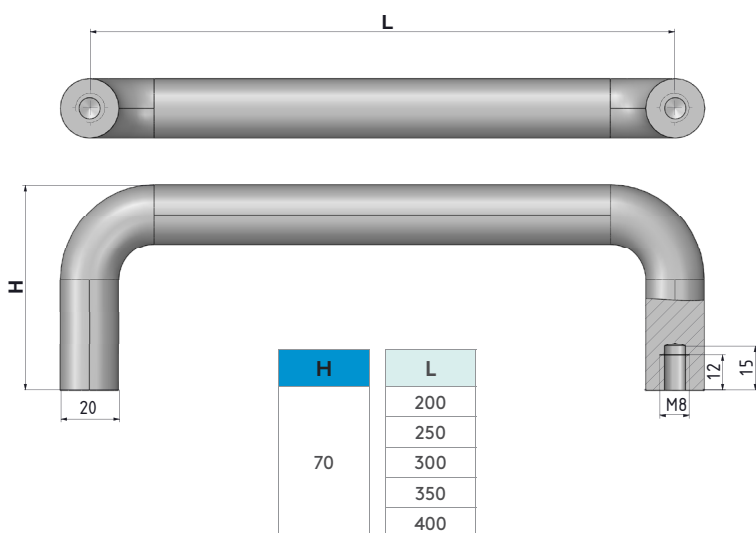
MATERIAL
Aluminium

FINISH
Chrome plated, matt anodized
or black coated



MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Aluminium	5	Matt anodized	7
Stainless Steel	4	Hand polish	0

Group Code	Material	Finish	Height	Length
184	M	F	40	L



MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Aluminium	5	Matt anodized	7
Stainless Steel	4	Hand polish	0

Group Code	Material	Finish	Height	Length
484	M	F	70	L

184

METAL HANDLE



MATERIAL
Steel, Aluminium ,Stainless Steel

FINISH
Chrome plated, matt anodized or black coated

484

METAL HANDLE



MATERIAL
Steel, Aluminium ,Stainless Steel

FINISH
Chrome plated, matt anodized or black coated

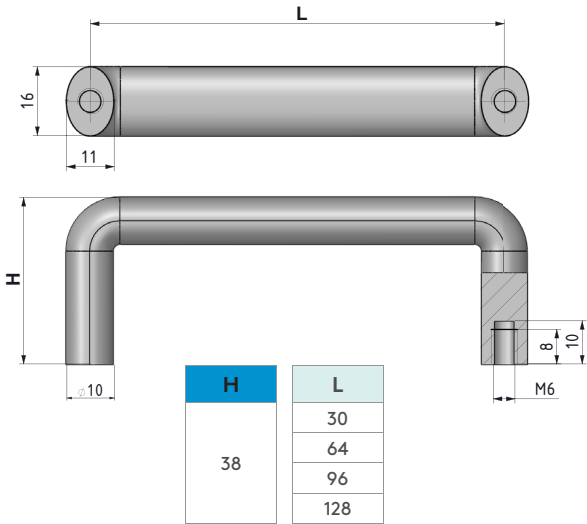
HANDLES

ALUMINIUM HANDLE

884



NEW



MATERIAL
Aluminium

FINISH
Matt anodized or black coated

MATERIAL	M	FINISH	F
Aluminium	5	Black coated (RAL 9005)	2
		Matt anodized	7

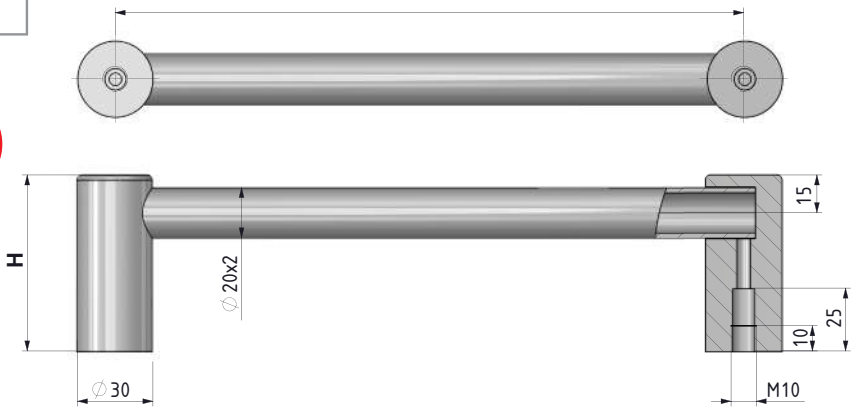
Group Code	Material	Finish	Height	Length
884	5	F	38	L

METAL HANDLE

284



NEW

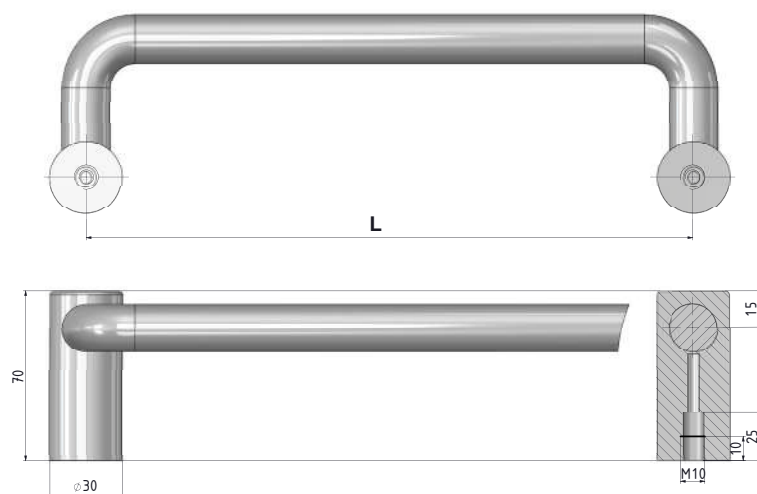


MATERIAL	M	FINISH	F	H	L
Steel	6	Chrome plated	1	70	250
				70	300
				70	400
				70	500
				40	80
Stainless steel	4	Hand polish	0	40	100
				35	80
				35	100

Group Code	Material	Finish	Height	Length
284	M	F	H	L

MATERIAL
Steel ,Stainless Steel

FINISH
Chrome plated, hand polish



H	L
70	250
	350

MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Stainless Steel	4	Hand polish	0

Group Code	Version	Material	Finish	Height	Length
384	1	M	F	70	L

384

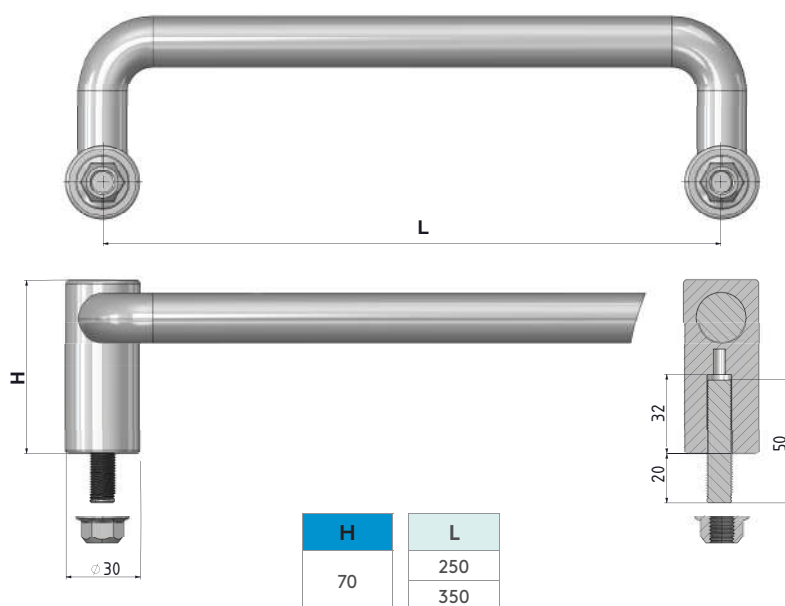
METAL HANDLE

NEW



MATERIAL
Steel, Stainless Steel

FINISH
Chrome plated, hand polish



H	L
70	250
	350

MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Stainless Steel	4	Hand polish	0

Group Code	Version	Material	Finish	Height	Length
384	2	M	F	70	L

384

METAL HANDLE

NEW



MATERIAL
Steel, Stainless Steel

FINISH
Chrome plated, hand polish

▶ HANDLES

FOLDABLE METAL HANDLE

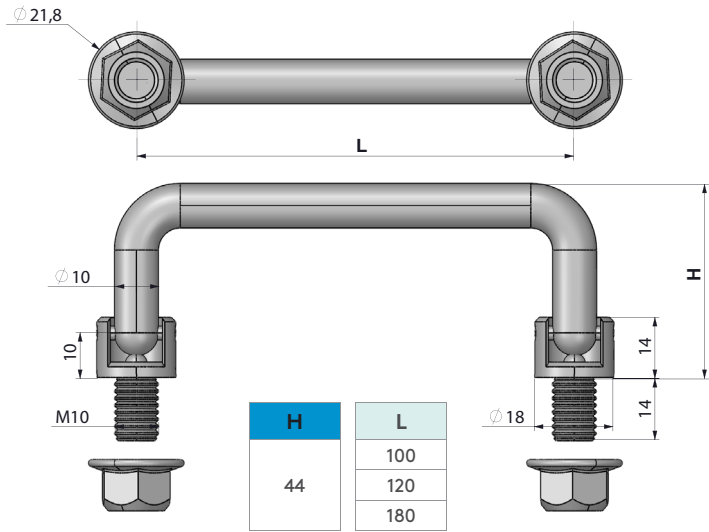
584



MATERIAL
Steel ,Stainless Steel

FINISH
Chrome plated, hand polish

NEW



MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Stainless Steel	4	Hand polish	0

Group Code	Material	Finish	Height	Length
584	M	F	44	L

METAL HANDLE

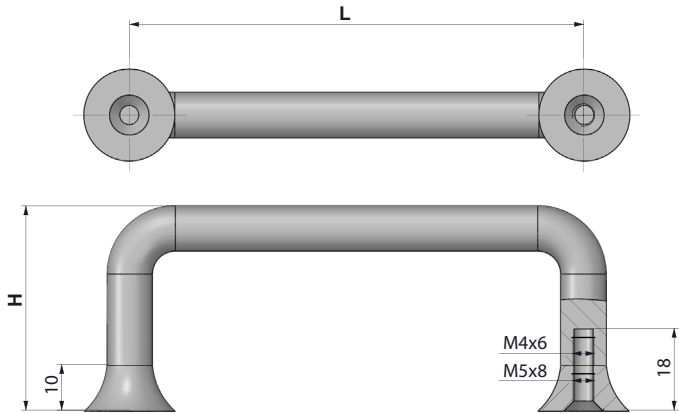
684



MATERIAL
Steel ,Stainless Steel

FINISH
Chrome plated, hand polish

NEW



H	L
40	100
	200

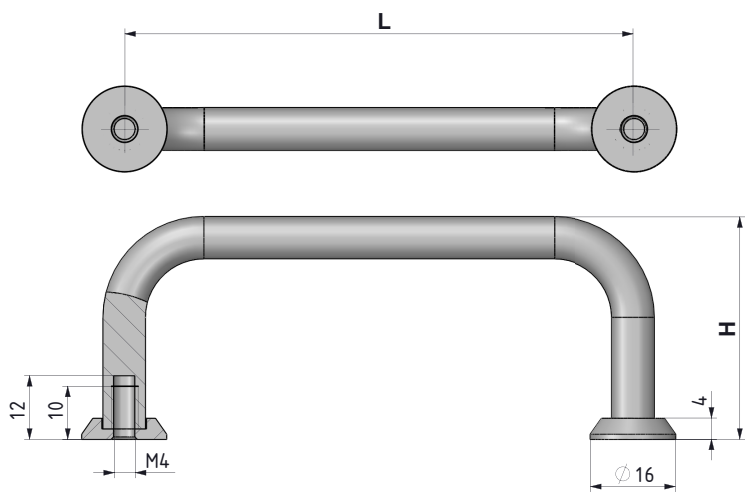
MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Stainless Steel	4	Hand polish	0

Group Code	Material	Finish	Height	Length
684	M	F	40	L

784

METAL HANDLE

NEW



MATERIAL
Steel ,Stainless Steel

FINISH
Chrome plated, hand polish

H	L
35	96
	100
	120
	128

MATERIAL	M	FINISH	F
Steel	6	Chrome plated	1
Stainless Steel	4	Hand polish	0

Group Code	Material	Finish	Height	Length
784	M	F	35	L

▶ HANDLES

COVER HANDLE

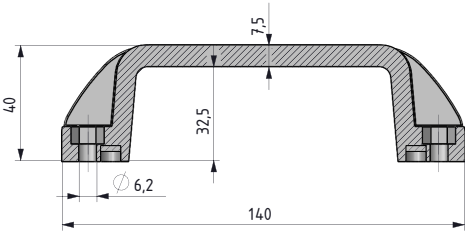
086



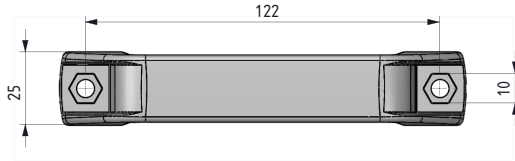
- Two different fixing types

MATERIAL
Polyamide DIN-EN ISO 1043-1
PA 6 GFR 30

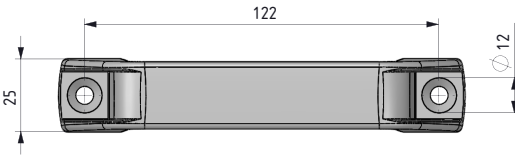
⚠ This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.



V: 1



V: 2



Group Code	Version
086	V

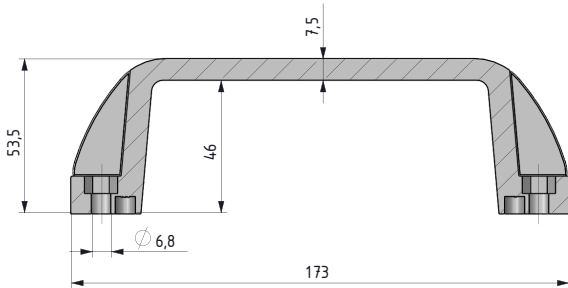
COVER HANDLE

186

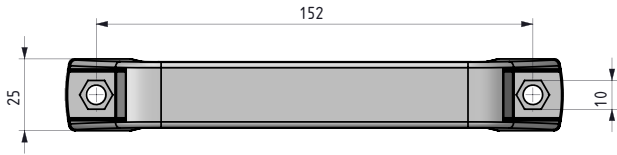


- Two different fixing types

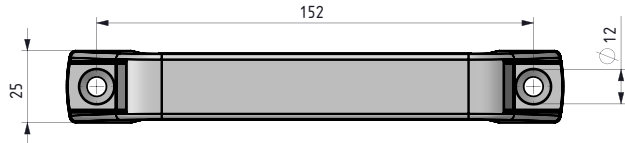
MATERIAL
Polyamide DIN-EN ISO 1043-1
PA 6 GFR 30



V: 1



V: 2

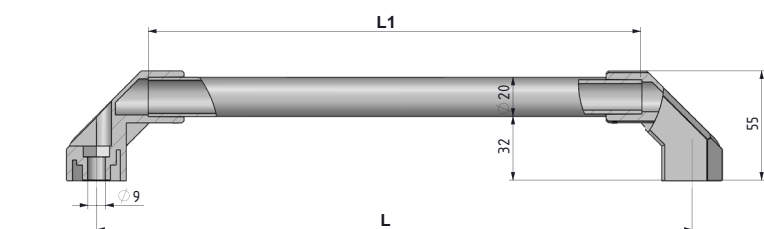


Group Code	Version
186	V



087

COVER HANDLE



L1	L
148	200
248	300
348	400
448	500

Group Code	Length
087	L



350002002Y
Side part



- Matte anodized aluminium
- For different colours and dimensions contact Essentra

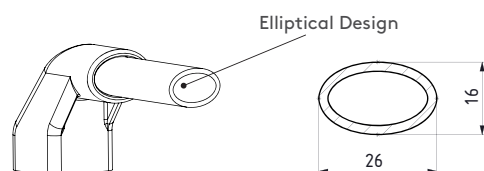
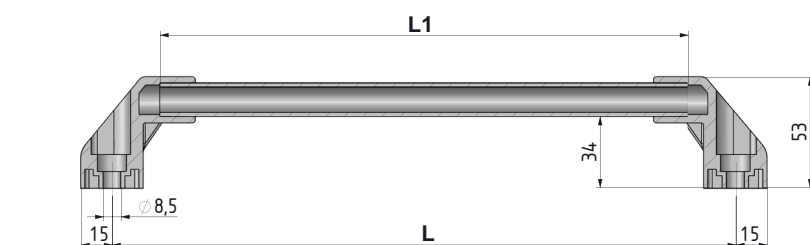
MATERIAL

FIXING PART: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30

HANDLE: Aluminium

287

COVER HANDLE



L1	L
154	200
254	300
354	400
454	500

Group Code	Length
287	L



- Ergonomic elliptical geometry
- Matte anodized aluminium
- For different colours and dimensions contact Essentra

MATERIAL

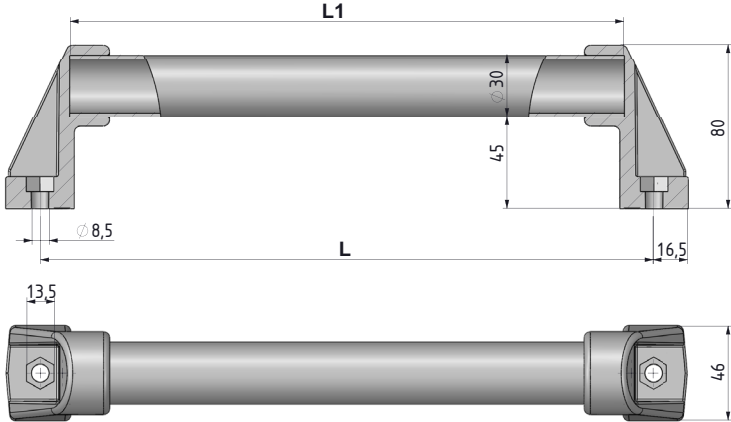
FIXING PART: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30

HANDLE: Aluminium

HANDLES

COVER HANDLE

187



L1	L
269	300
369	400
469	500
569	600
669	700
769	800
869	900



34002501Y

! Middle part should be used for lengths greater than 900 mm

- Plastic-coated steel tube
- Centre supports should be used for handle lengths of 1000 mm or more
- For different colours and dimensions contact Essentra

MATERIAL

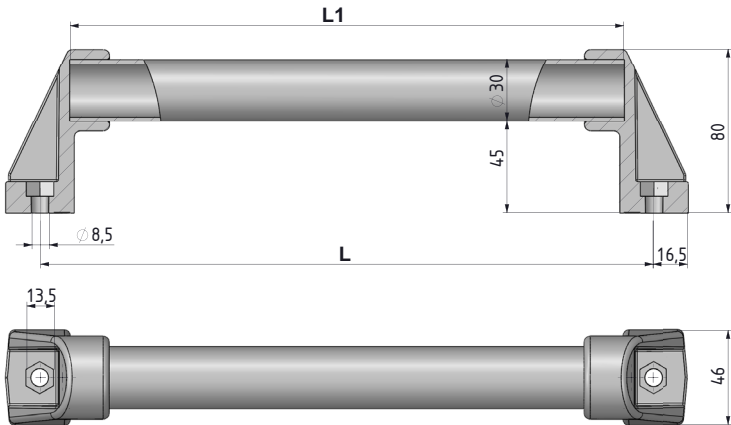
FIXING PART: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30

HANDLE: Plastic coated steel

Group Code	Length
187	L

COVER HANDLE

487



L1	L
269	300
369	400
469	500
569	600
669	700
769	800
869	900



34002501Y

! Middle part should be used for lengths greater than 900 mm

- Stainless steel handle
- Centre supports should be used for handle lengths of 1000 mm or more
- For different colours and dimensions contact Essentra

MATERIAL

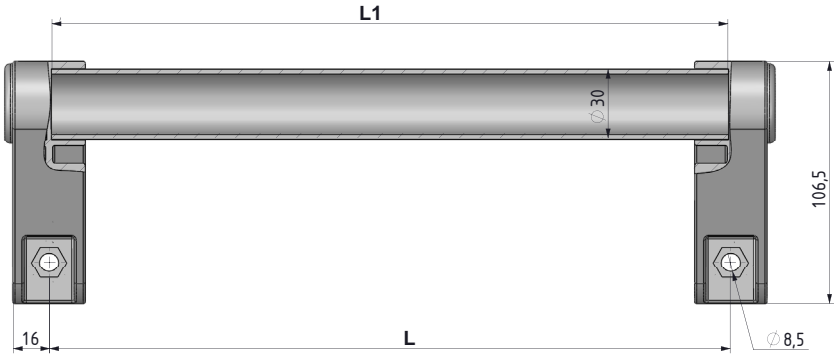
FIXING PART: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30

HANDLE: Stainless steel

Group Code	Length
487	L

387

COVER HANDLE



- Plastic-coated steel tube
- Centre supports should be used for handle lengths of 1000 mm or more
- For different colours and dimensions contact Essentra

MATERIAL
 FIXING PART: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30
 HANDLE: Plastic-coated steel

L1	L
298	300
398	400
498	500
598	600
698	700
798	800
998	1000



! Middle part should be used for lengths greater than 1000 mm

Group Code	Length
387	L

FLUSH SPRING HANDLE

082

NEW

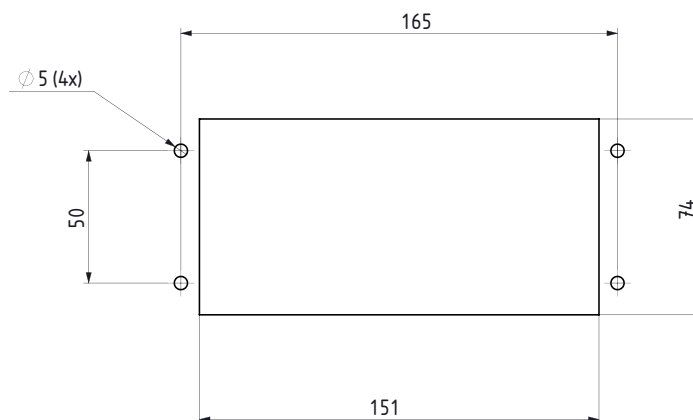
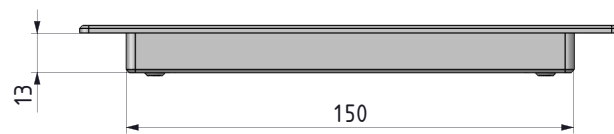
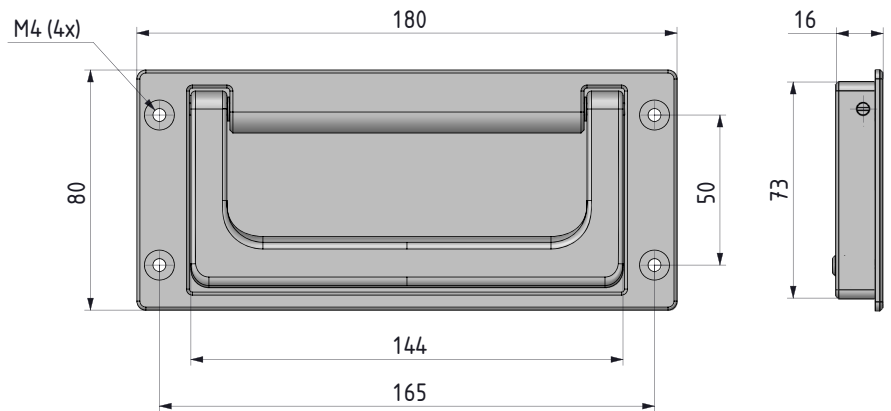


MATERIAL

BODY: Aluminium
HANDLE: Aluminium

FINISH

Black coated

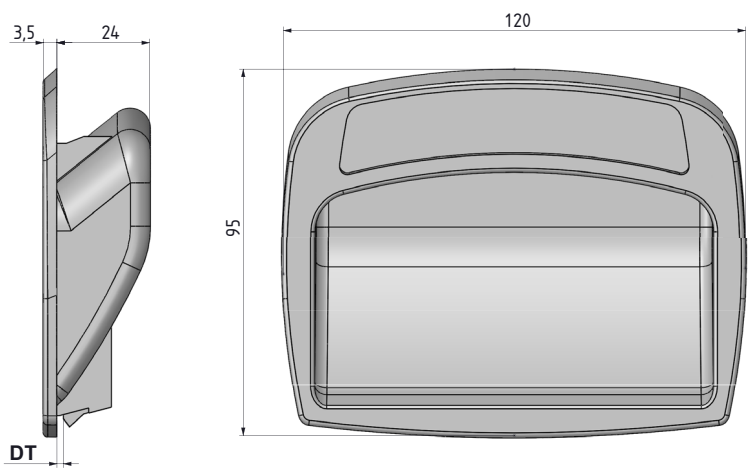


Cut out

Group Code	Material	Finish
082	5	2

374

COVER PULL (SNAP-IN)

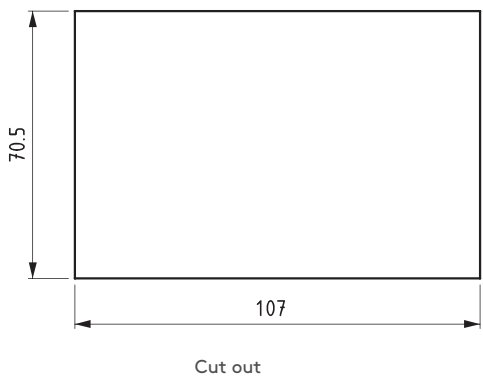


- Easy assembly by clips
- For custom logo and colors please contact Essentra

MATERIAL
ABS



This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.



DOOR THICKNESS	DT
0.8 -1.4 mm	15
1.5 - 2.2 mm	22

Group Code	Door Thickness
374	DT

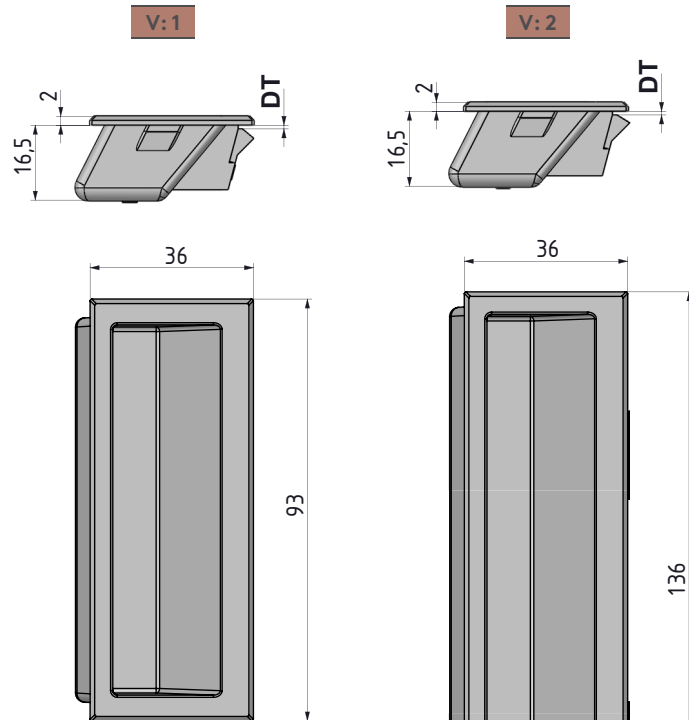
COVER PULL (SNAP-IN)

274

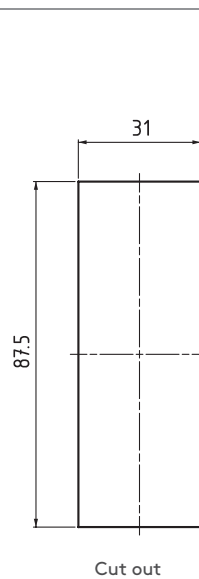


- Flush design
- Easy assembly by clips

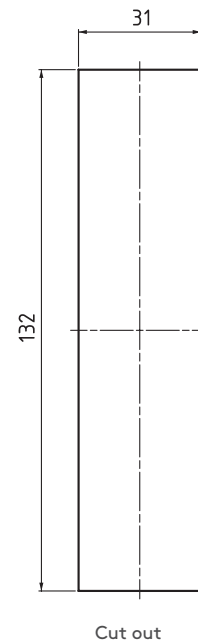
MATERIAL
ABS



DOOR THICKNESS	DT
0.8 - 1.4 mm	15
1.5 - 2.2 mm	22



Cut out



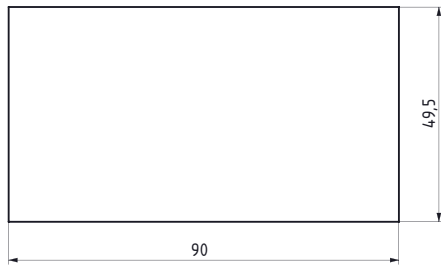
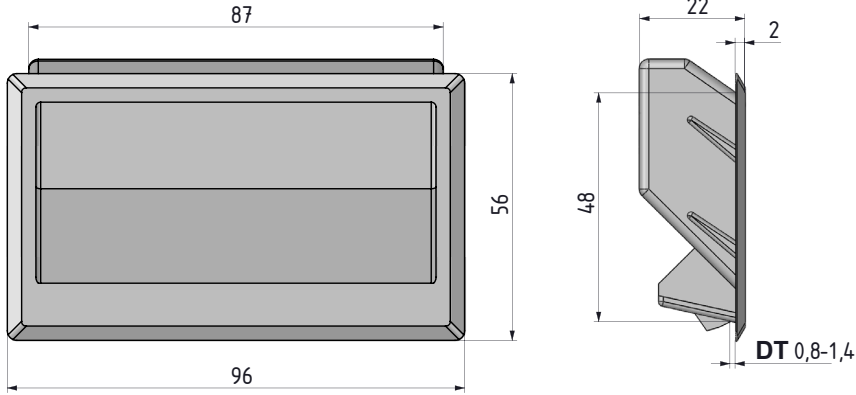
Cut out

Group Code	Version	Door Thickness
274	V	DT



074

COVER PULL (SNAP-IN)



Cut out



- For large door
- Easy assembly by clips

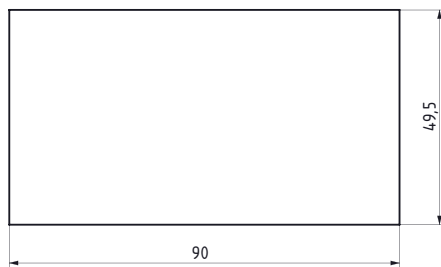
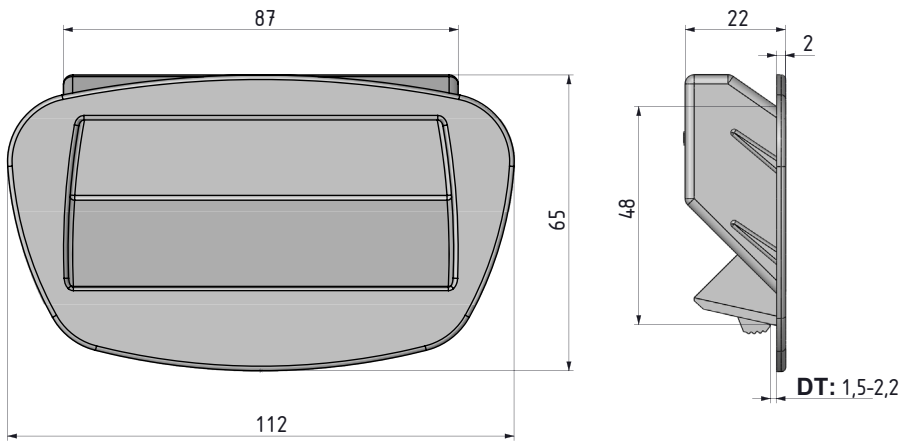
MATERIAL
ABS



This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.

174

COVER PULL (SNAP-IN)



Geçiş Ölçüsü



- For large door
- Easy assembly by clips

MATERIAL
ABS



This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.

NEW



422-423



424



425



426



427



428



429



430



431



432



433



433



434



435



436



437



438



439



440



441



ACCESSORIES

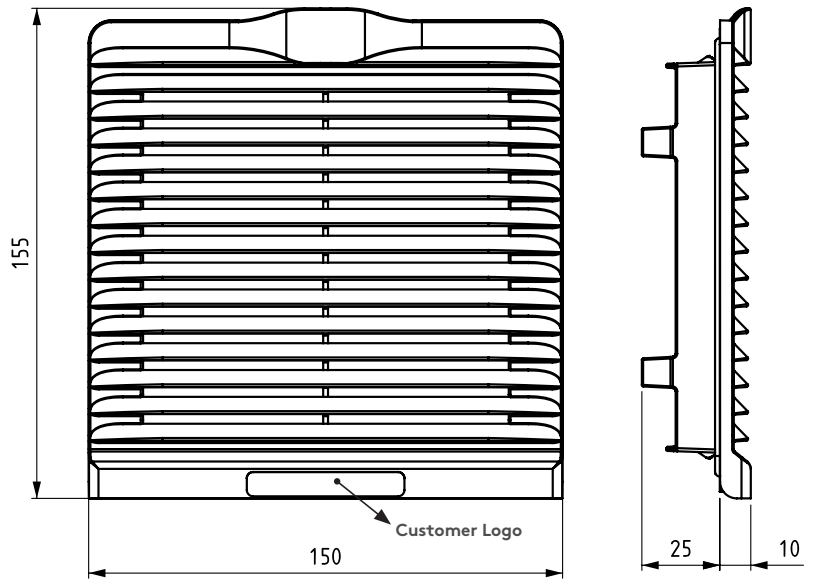
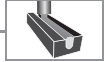
420-441





VENTILATION SHUTTER

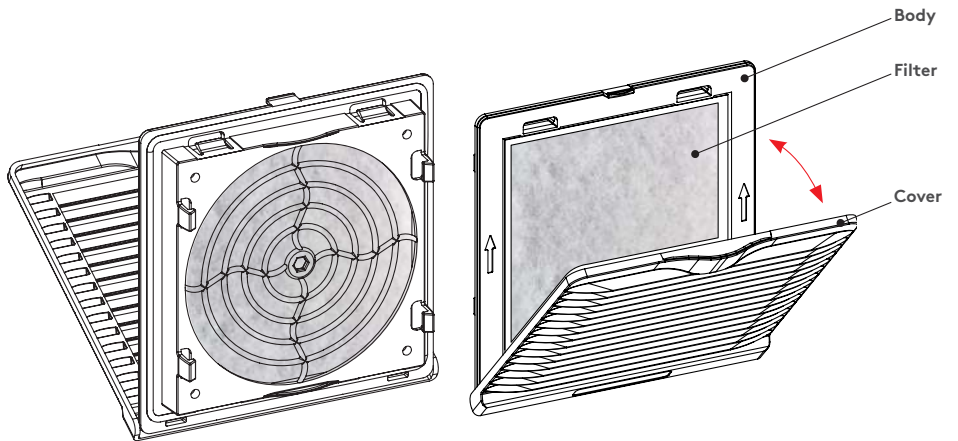
2300



- Ergonomic and modern design
- Quick assembly by clips
- Easy to open cover
- Suitable sheet thickness is between 1.2 mm and 2.4 mm
- Optional foam gasketing
- For different color requests, please contact our sales team

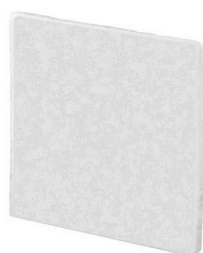
MATERIAL
ABS

COLORS
RAL 7035, RAL 7032, RAL 9005





FILTER TYPES (please order separately)



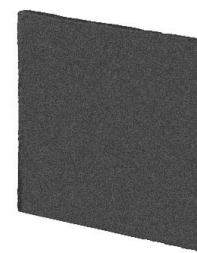
Eco Filter

Part Code:
340.02.910



G2 Filter

Part Code:
340.02.911



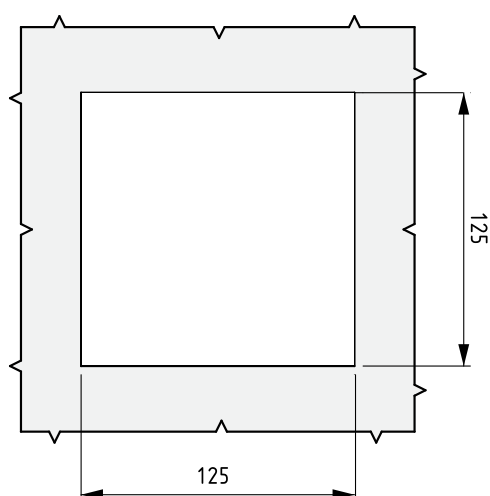
G3 Filter

Part Code:
340.02.912

Material : Polyester Elyaf
Thickness : 10 mm

Material : Polyester Fiber
Thickness : 10 mm
Maximum operating temperature: 100° C
Preffered air velocity : 1,5 m/s
Initial pressure drop : 15 Pa
Average gravimetric efficiency : 79,5%
Classification (EN 779:2012) : G2
Dust holding capacity : 489 g/m2
Flame resistant : F1 - DIN.53438

Material : Polyurethane
Thickness : 10 mm
Maximum operating temperature: 80° C
Preffered air velocity : 1,5 m/s
Initial pressure drop : 33 Pa
Average gravimetric efficiency : 82 %
Classification (EN 779:2012) : G3
Dust holding capacity : 300 g/m2
Flame resistant : Self-extinguishing



Cut out

COLORS	FILTER TYPE	PRODUTC CODE
RAL 7035	No Filter	2300.2.01.00
	Eco Filter	2300.2.01.01
	G2 Filter	2300.2.01.02
	G3 Filter	2300.2.01.03
RAL 7032	No Filter	2300.2.02.00
	Eco Filter	2300.2.02.01
	G2 Filter	2300.2.02.02
	G3 Filter	2300.2.02.03
RAL 9005	No Filter	2300.2.03.00
	Eco Filter	2300.2.03.01
	G2 Filter	2300.2.03.02
	G3 Filter	2300.2.03.03



ACCESSORIES

DRAWING POCKET (A4)

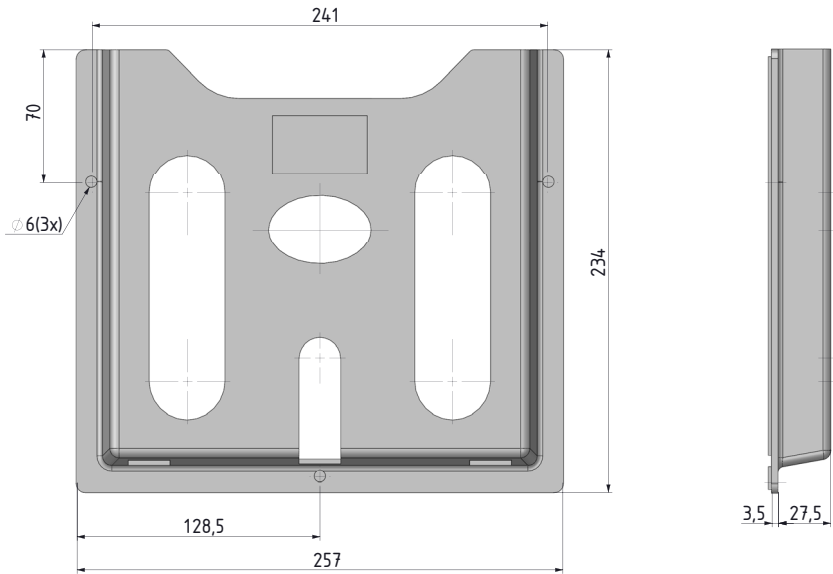
2150



- For A4 size documents. Self adhesive. For special colours or logo, please contact Essentra

MATERIAL
ABS

COLOR
RAL 7035



Adhesive
Non adhesive is possible

DRAWING POCKET (A5)

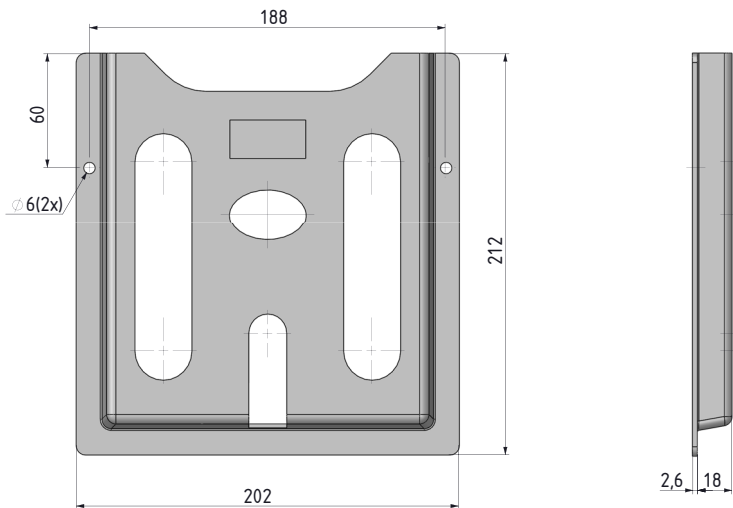
2152



- For A5 size documents. Self adhesive. For special colours or logo, please contact Essentra

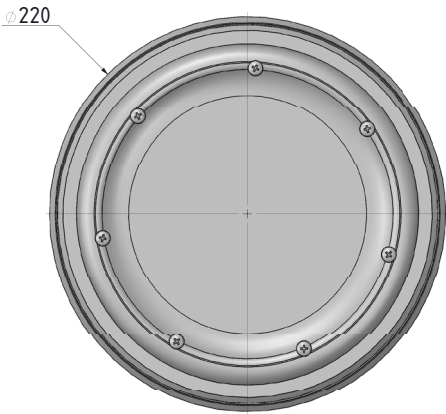
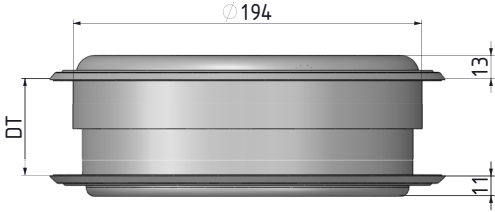
MATERIAL
ABS

COLOR
RAL 7035

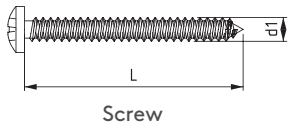
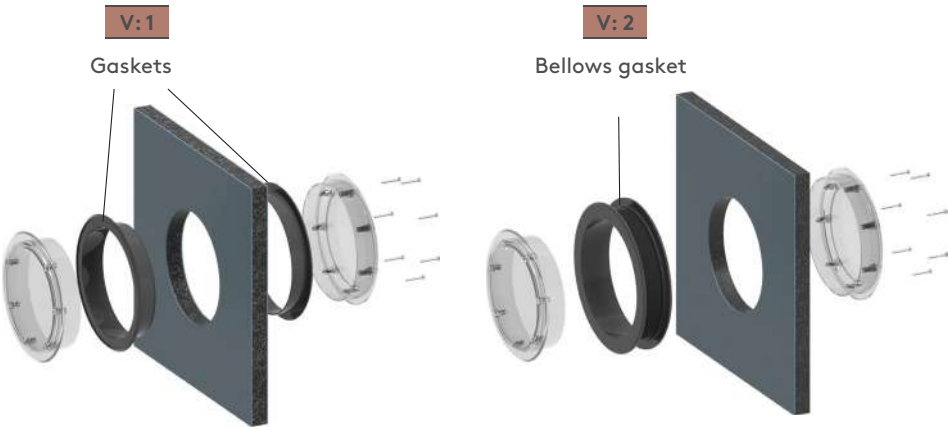
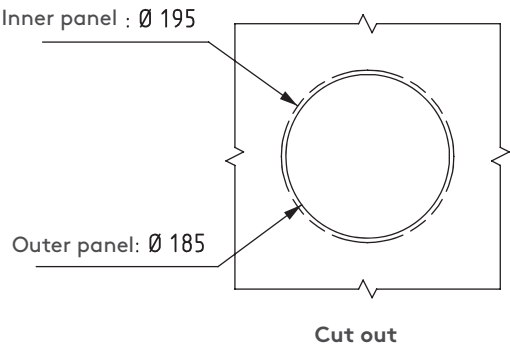


2220

CIRCULAR INSPECTION WINDOW



DT
30
40
50
60



Screw		
D1	L	STOCK CODE
4.2	38	306.03.138
4.2	45	306.03.304
4.2	50	306.03.305
4.2	60	306.03.306

Group Code	Door Thickness	Version
2220	DT	V

- Visual inspection of HVAC enclosures
- Adjustable for 30-60 mm isolated doors
- Mounting with 7 screws

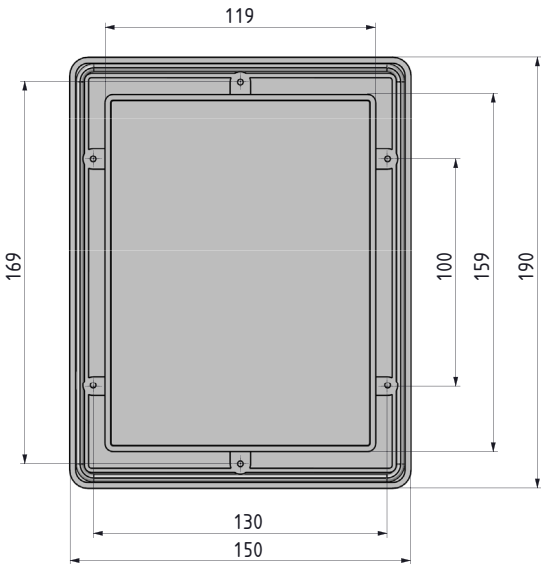
MATERIAL
WINDOW: Polycarbon
GASKET: Termo rubber



ACCESSORIES

COUNTER SCREEN

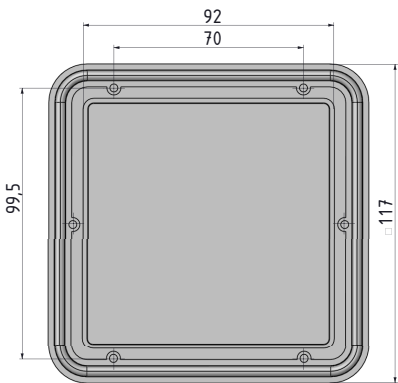
2216



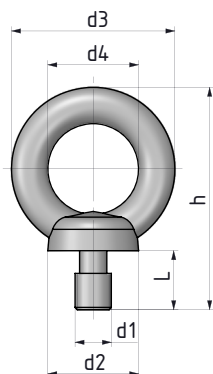
- Allows counters or dials to be viewed from outside enclosure.

COUNTER SCREEN

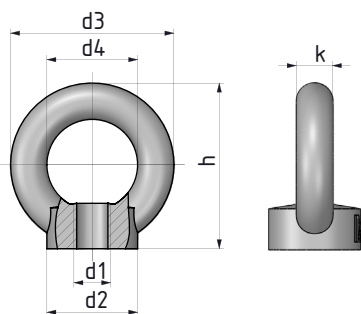
2215



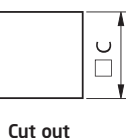
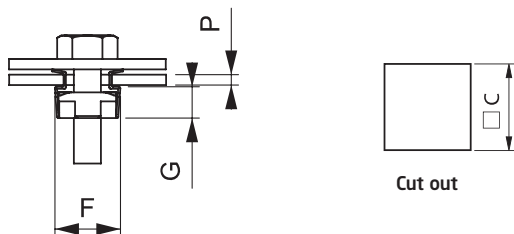
- Allows counters or dials to be viewed from outside enclosure.



d1	Safety Load (90°)	d2 mm	d3 mm	d4 mm	h mm	L mm	Unit weight	PRODUCT CODE
M8	140	20	36	20	49.0	13.0	0.06	2451
M10	230	25	45	25	63.0	17.0	0.10	2452
M12	340	30	54	30	73.5	20.5	0.18	2453
M14	490	35	63	35	87.0	27.0	0.28	2454
M16	700	35	63	35	89.0	27.0	0.28	2455



d1	Safety Load (90°)	d2 mm	d3 mm	d4 mm	h mm	k mm	Unit weight	PRODUCT CODE
M8	140	20	36	20	36	8	0.06	2461
M10	230	25	45	25	45	10	0.09	2462
M12	340	30	54	30	53	12	0.16	2463



Cut out

Screw	Nut	P	G	F	C	PRODUCT CODE
M5	11x11x4.5	1.7 ~ 2.5	36	20	49.0	2400
M6	11x11x4.5	25	45	25	63.0	2401
M8	14x14x5.5	3.3 ~ 4.1	54	30	73.5	2402

EYEBOLT



- Enable enclosure or machine to be moved easily.

EYEBOLT



- Enable enclosure or machine to be moved easily.

CAGE NUT

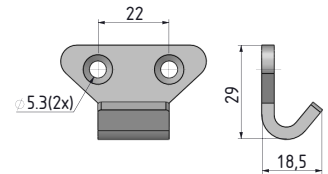
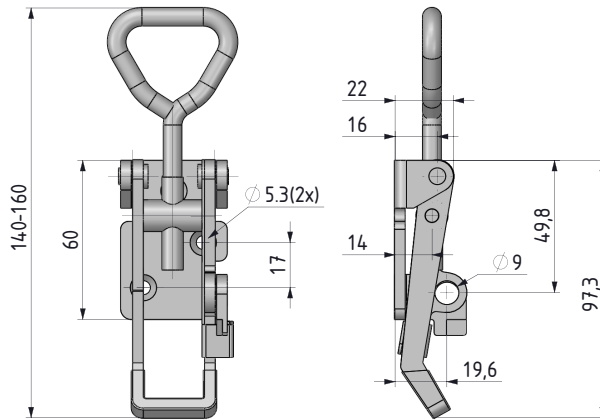


- Designed for attaching two steel plates

ACCESSORIES

TOGGLE LATCH

340.00.135



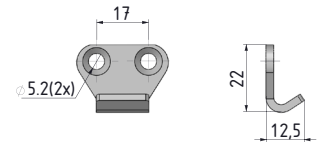
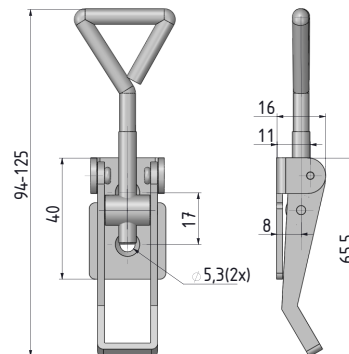
Catch plate

- Adjustable type draw latch.
- Padlockable version
- Used with a special catch plate

MATERIAL AND FINISH
Steel - Zinc Plated

TOGGLE LATCH

340.00.133



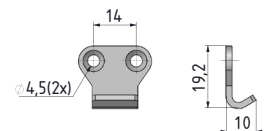
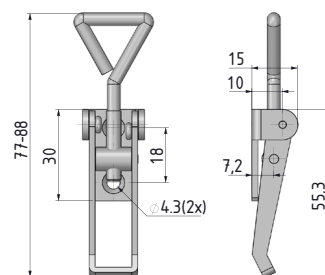
Catch plate

- Used for tool boxes, cabinets

MATERIAL AND FINISH
Steel - Zinc Plated

TOGGLE LATCH

340.00.131



Catch plate

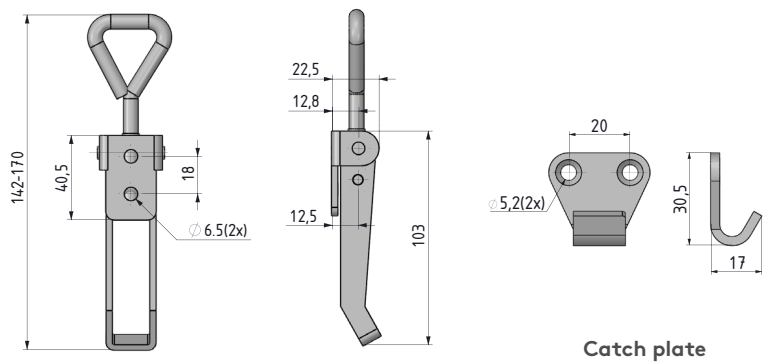
- Used for tool boxes, cabinets

MATERIAL AND FINISH
Steel - Zinc Plated

- Stainless steel version: page 514

2702

TOGGLE LATCH



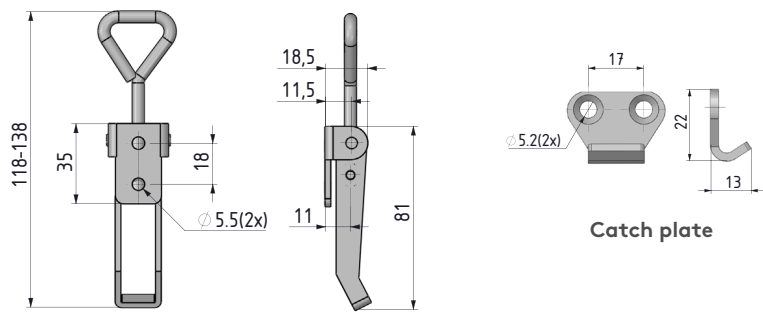
Catch plate



MATERIAL AND FINISH
Steel -Zinc Plated

2701

TOGGLE LATCH



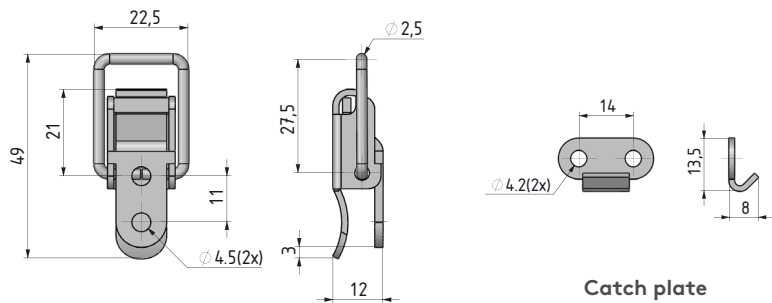
Catch plate



MATERIAL AND FINISH
Steel -Zinc Plated

2700

TOGGLE LATCH



Catch plate



MATERIAL AND FINISH
Steel -Zinc Plated

Group Code	Material	Finish
	6	3

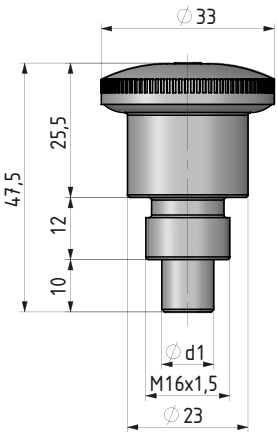


MINI INDEXING PLUNGERS

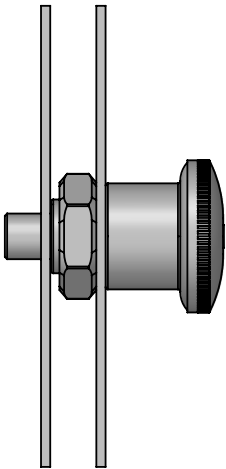


- Suitable for assembly on thin sheets.

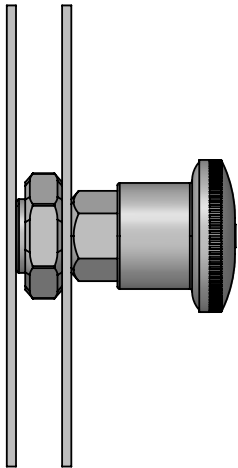
MATERIAL
KNOB : Polyamide DIN EN ISO 1043-1 PA6 GFR 30
BODY : Steel
NUT : Steel
PIN : Stainless Steel
Finish : Zinc Plated



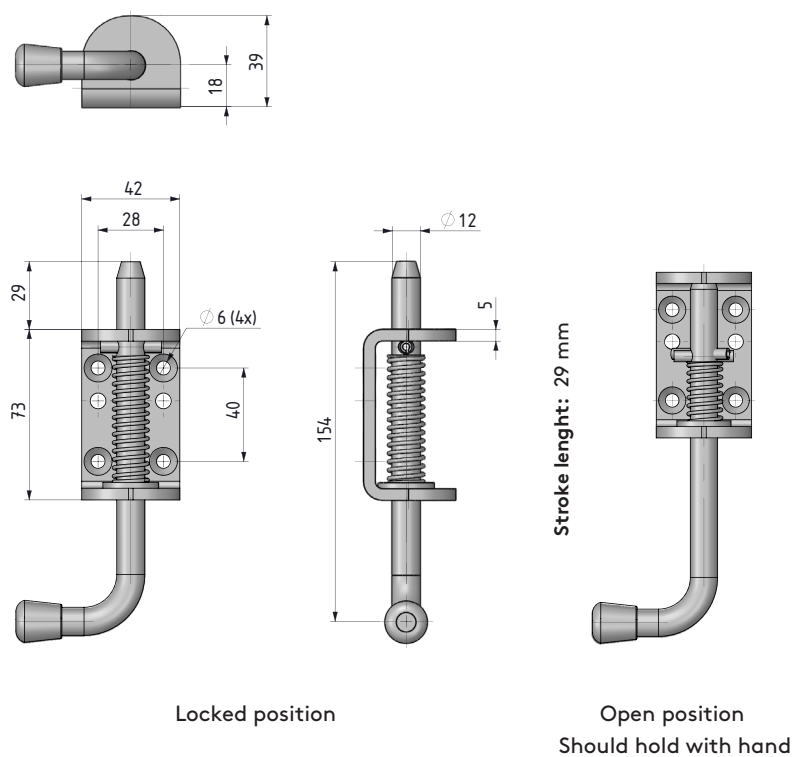
Product code	ød1	Stroke
2760	10	10
2761	8	8
2762	6	6



Locked position



Open position



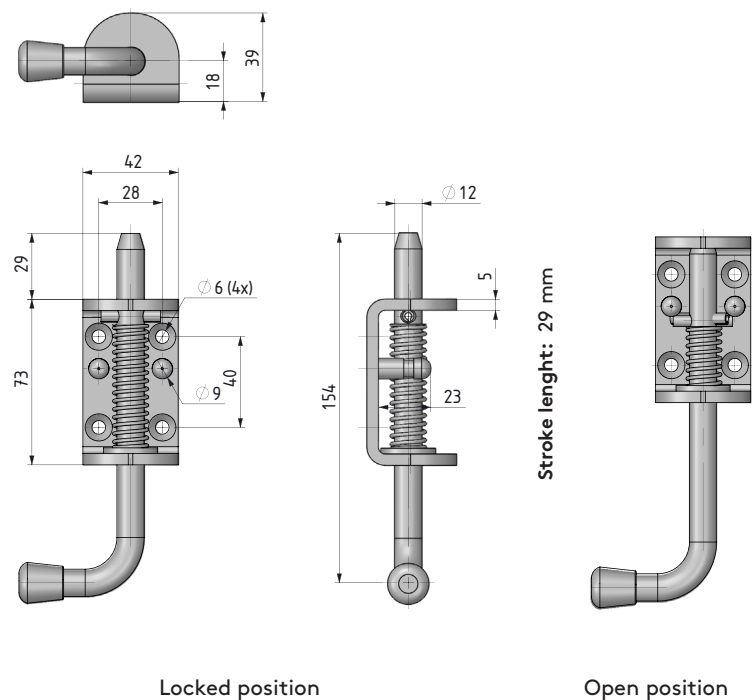
2750

SPRING LOADED LATCH
WITHOUT STUD



- Versatile galvanized steel latch great for wood or metal application.

MATERIAL
Body : Steel
Pin : Steel
Finish : Zinc Plated



2751

SPRING LOADED LATCH
WITH STUD



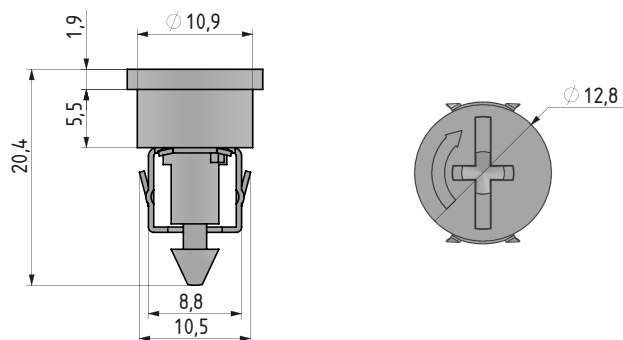
- Pin system allows for the latch to be locked in the open position.
- Non-directional.

MATERIAL
Body : Steel
Pin : Steel
Finish : Zinc Plated

Group Code	Material	Finish
	6	3

SCREW

340.02.430



- Provides easy fixing with quarter turn

MATERIAL

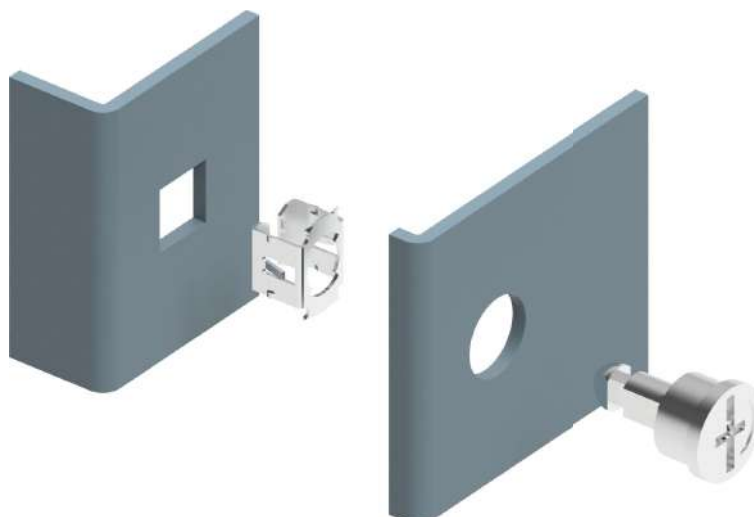
SCREW: Zamak DIN-EN

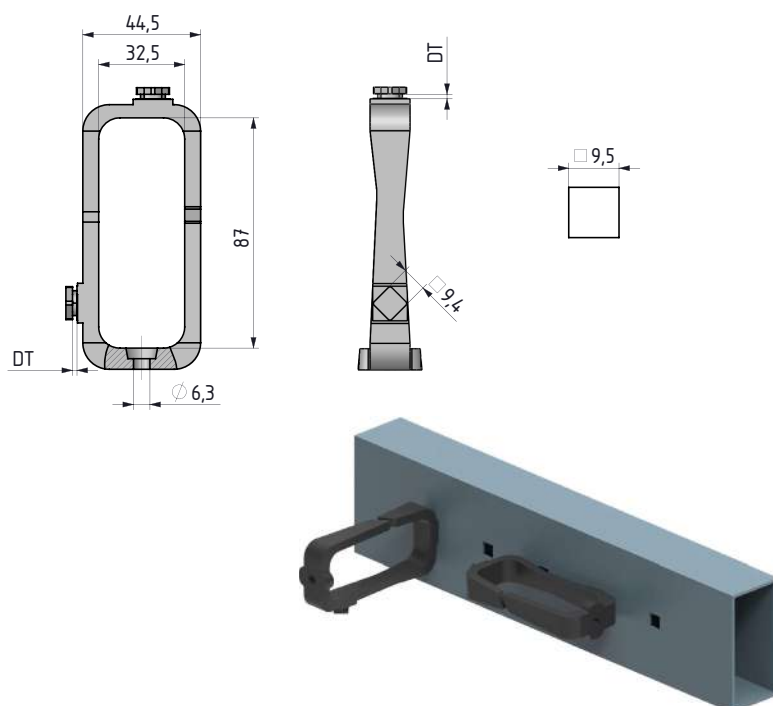
1774-ZnAl4Cu1I

CATCH PLATE : Steel

FINISH

Zinc plated





DT (DOOR THICKNESS)	PRODUCT CODE
1.3 - 1.5 mm thickness panel	320.02.164
1.6 - 2.0 mm thickness panel	320.02.165

CABLE SHUNTING RING

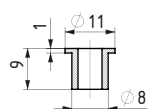
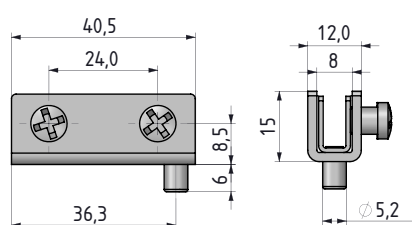


- Quick fixing in a square hole by turning 45 degrees
- Mounting by M6 Screw as an option
- Install horizontally or vertically

MATERIAL
PA 6 Black

025

GLASS HINGE



Busing



ASSEMBLY APPLICATION	
Bottom	001
Top	002



- Suitable for glass thickness max. 6 mm
- The glass is safe from damage between the plastic plates and the steel m6x6 screw

MATERIAL
Body : Steel
Screw : Steel
Busing : Delrin

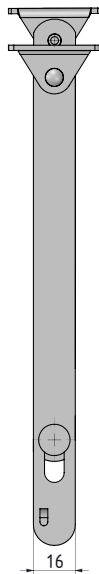
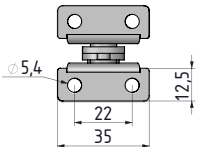
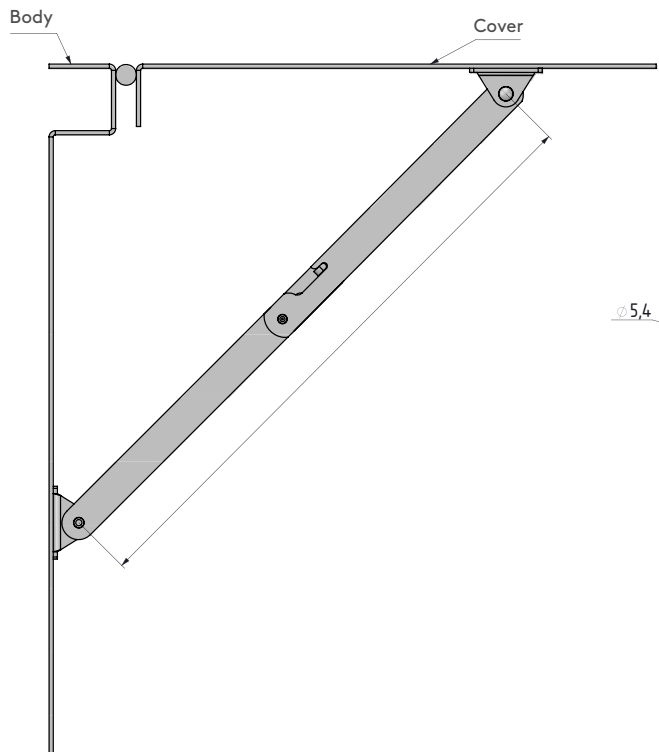
Group Code	Material	Finish	Assembly application
025	6	F	

FINISH	F
Nickel	4
Black coated	2



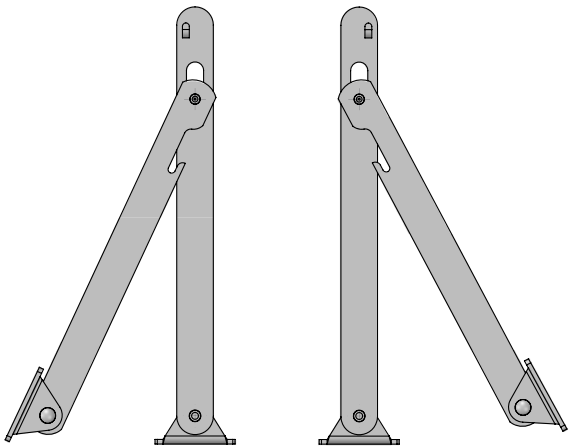
COVER STAY

079



LEFT

RIGHT



Lmm
292
202
135

MATERIAL
Steel
FINISH
Zinc plated

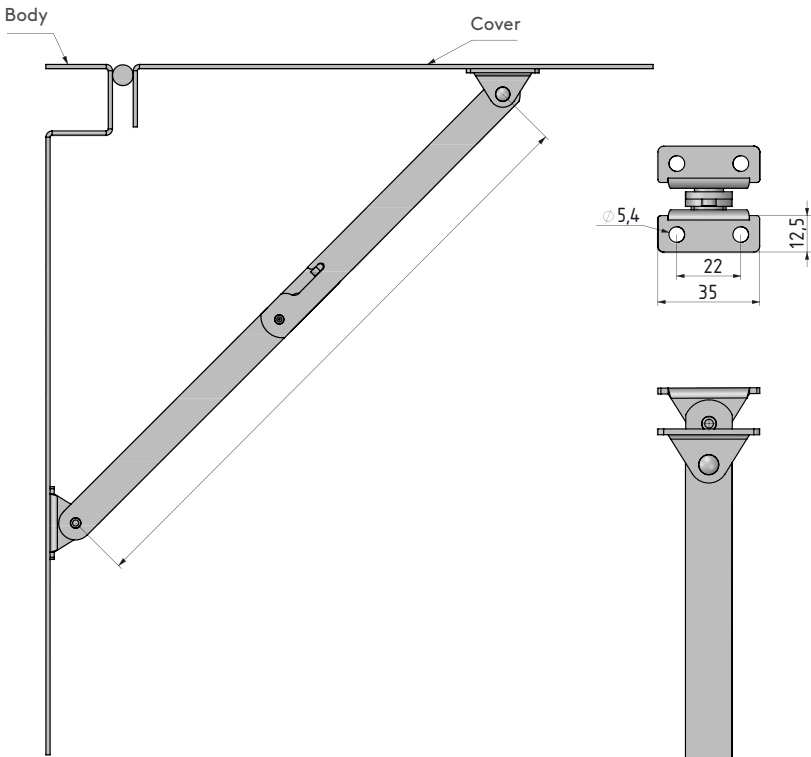
• Stainless steel version: page 516

Group Code	Material	Finish	Length	Door Direction
079	6	3	L	

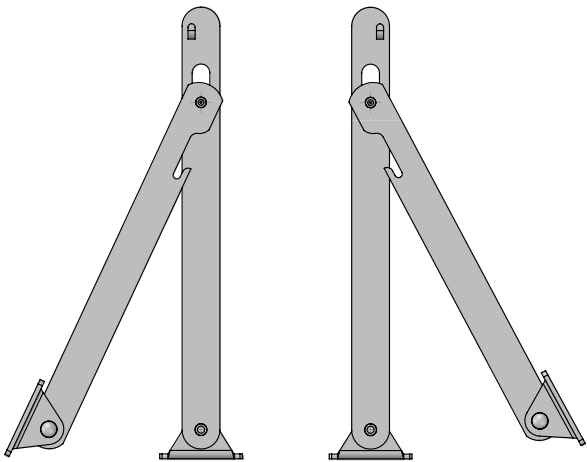
DOOR DIRECTION	
Right hand	001
Left hand	002

279

COVER STAY



LEFT RIGHT



Lmm
292
202
135



- Stainless steel version: page 515
- Suitable for heavy-duty applications
- Manufactured using 4 mm thick steel

MATERIAL
Steel

FINISH
Zinc plated

Group Code	Material	Finish	Length	Door Direction
279	6	3	L	

DOOR DIRECTION	
Right hand	001 
Left hand	002 



COVER STAY

179



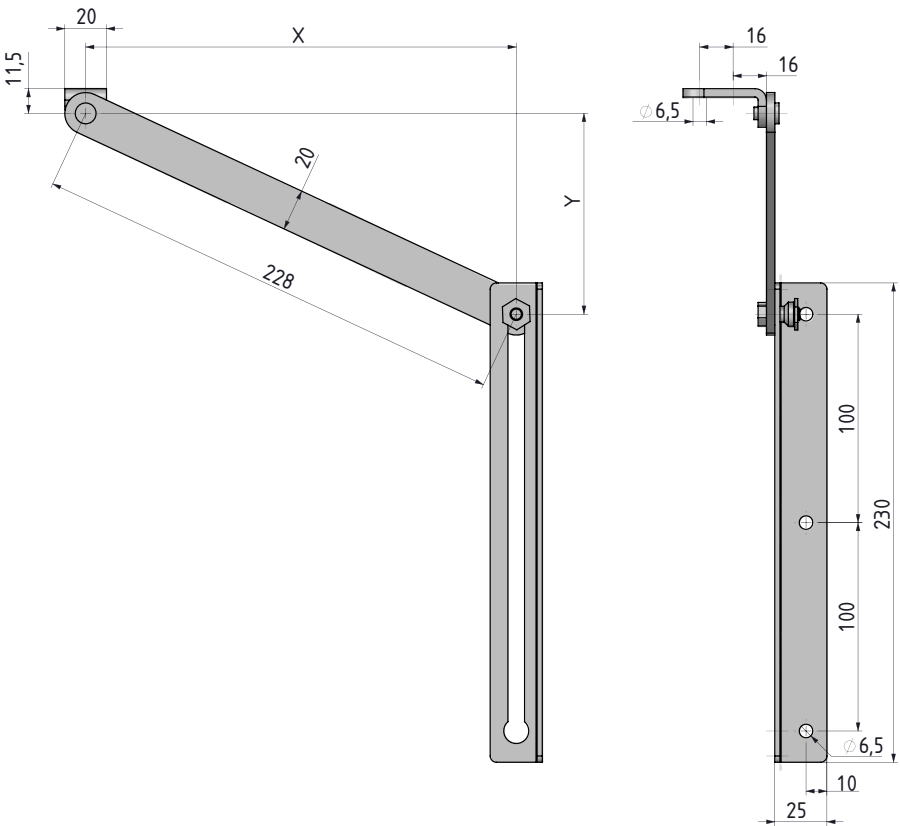
- Stainless steel version: page 517
- Cover Stay with automatic lock to keep the door open
- LH and RH application is possible

MATERIAL

Steel

FINISH

Zinc plated

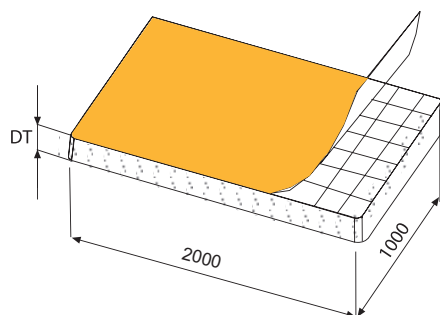


Installation dimensions

OPENING ANGLE	DIMENSIONS		MINIMAL
	X	Y	DOOR WIDTH
90°	140	180	405
105°	120	166	390
120°	110	150	375
135°	100	146	370

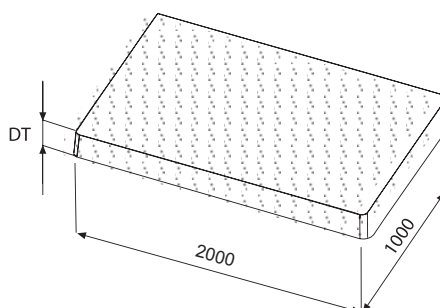
For other configurations:
 $y = X + \text{min.}40$

Group Code	Material	Finish
179	6	3



Self - adhesive

DT MM	PRODUCT CODE
30	340.10.046
40	340.10.047
50	340.10.048



Non - adhesive

DT MM	PRODUCT CODE
30	340.10.066
40	340.10.067
50	340.10.068

ACOUSTIC SPONGE (FLAT TYPE)

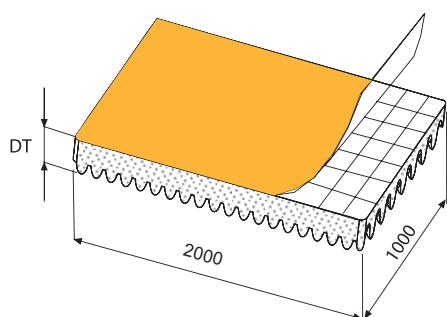


- With or without Adhesive band at back side is available
- Can be supplied as plate or Roll type.
- Provides sound and heat isolation
- Flame retardant properties
- Can be used between -30 , +130 °C
- Please contact Essentra for different sizes

MATERIAL
Polyurethane

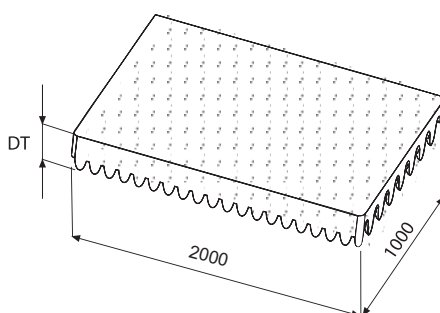
COLOR
Black

ACOUSTIC SPONGE (FORMED TYPE)



Self - adhesive

DT MM	PRODUCT CODE
30	340.10.006
40	340.10.007
50	340.10.008



Non - adhesive

DT MM	PRODUCT CODE
30	340.10.026
40	340.10.027
50	340.10.028



- With or without Adhesive band at back side is available
- Can be supplied as plate or Roll type.
- Provides sound and heat isolation
- Flame retardant properties
- Can be used† between -30 , +130 °C
- Please contact Essentra for different sizes

MATERIAL
Polyurethane

COLOR
Black



DIAPHRAGM GROMMETS



- For use as a blanking grommet prior to installation of cables
- The membrane is drilled while using as a wire protector
- Produced from NBR rubber
- Suitable for different wire diameters

APPLICATIONS

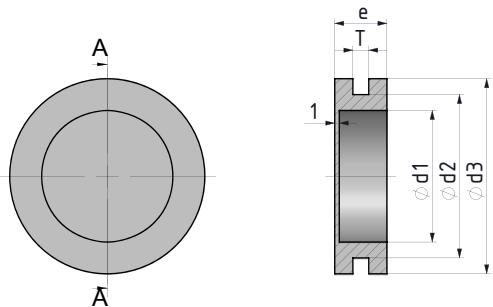
Electric panels

MATERIAL

NR Rubber, or TP

COLOR

Black



Ø D1 MM	Ø D2 MM	Ø D3 MM	T MM	E MM	PRODUCT CODE
29	36	43	3.5	11.5	340.00.370
39	48.5	52	3.2	12	340.00.371
48.5	57	63.5	3.5	14	340.00.372

DIAPHRAGM GROMMETS



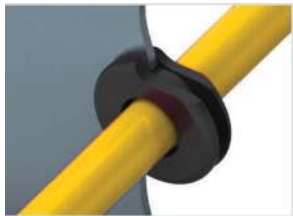
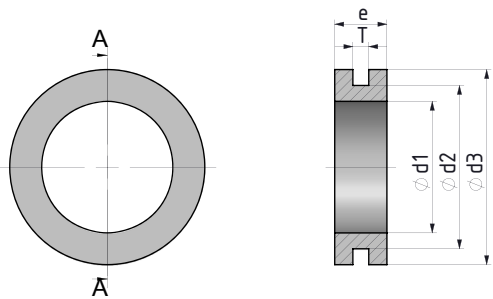
- Used for protecting wires and cables passing through the panel holes.
- Design provides easy fixing of grommet

MATERIAL

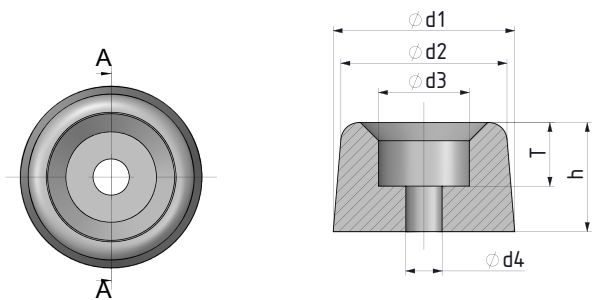
NR Rubber, or TP

COLOR

Black



Ø D1 MM	Ø D2 MM	Ø D3 MM	T MM	E MM	PRODUCT CODE
16	20	27	3.2	9	340.00.380
20	25	30	3.2	9	340.00.381
24.5	29	34	3.5	11.5	340.00.382
40.5	46.5	52	3.2	11.5	340.00.383



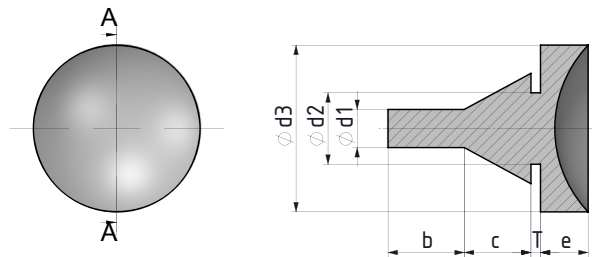
$\varnothing D1$ MM	$\varnothing D2$ MM	$\varnothing D3$ MM	$\varnothing D4$ MM	T MM	E MM	PRODUCT CODE
20	18	10	4	7	12	340.08.010
19	19	10	4	8	22.5	340.08.011
25	25	14	4.3	20	30	340.08.012
39.5	38	13	6	12	32	340.08.013



- Prevents damage to doors
- Design provides easy fixing of grommet.

MATERIAL
NR Rubber, or TP
COLOR
Black

RUBBER PLUG



$\varnothing D1$ MM	$\varnothing D2$ MM	$\varnothing D3$ MM	T MM	B MM	C MM	E MM	PRODUCT CODE
2.5	4	14	2.5	13.5	3.5	8	340.00.400
4	7	17.5	1.5	8.5	6	5	340.00.401
4	7	18	2	8.5	6	6	340.00.402



- For use as a blanking grommet prior to installation of cables
- Suitable for different sheet thickness and diameters
- Design provides easy fixing

MATERIAL
NR Rubber, or TP
COLOR
Black

DOOR HOLDBACK

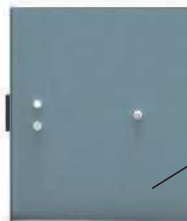
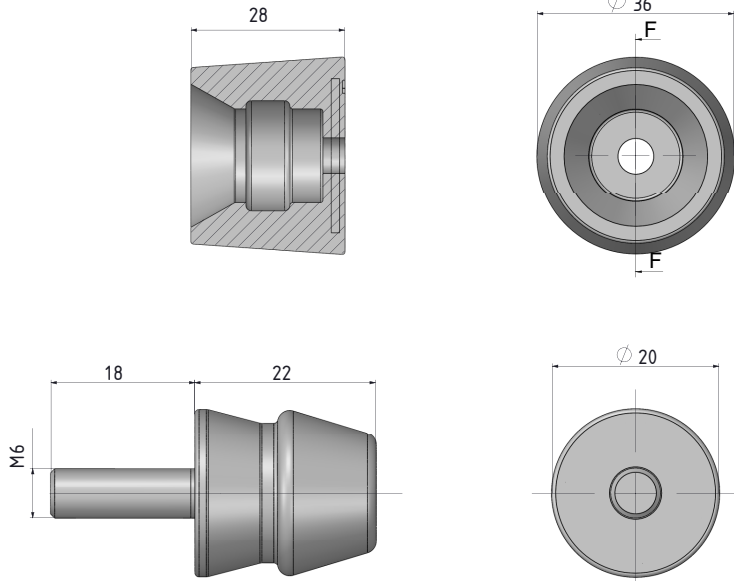
340.08.001

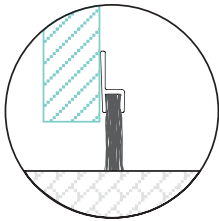
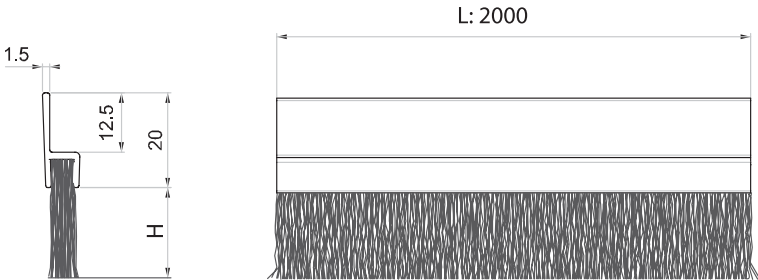


- Provides good shock absorbing properties while the door contacts with frame of the cabinet
- Keeps the door at open position and can be used instead of cover stays
- Suitable for outdoor cabinets with high corrosion resistance

MATERIAL
NBR Rubber

COLOR
Black



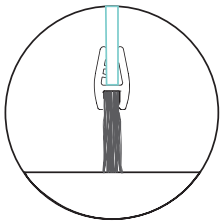
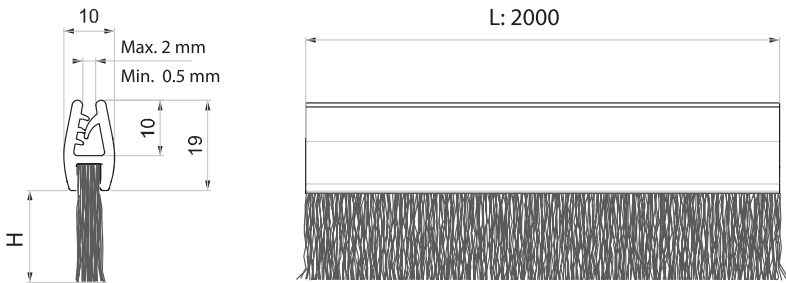


H MM	PRODUCT CODE
40	340.20.005.2000
50	340.20.006.2000
60	340.20.007.2000
70	340.20.008.2000
80	340.20.009.2000
90	340.20.010.2000
100	340.20.011.2000



- Can be fixed with screw
- Fixing plate is made of Aluminium
- Do not allow dust to go through the cabinets
- Please contact Essentra for different sizes

MATERIAL
BODY : Aluminium



H MM	PRODUCT CODE
40	340.20.025.2000
50	340.20.026.2000
60	340.20.027.2000
70	340.20.028.2000
80	340.20.029.2000
90	340.20.030.2000
100	340.20.031.2000

DOOR BOTTOM BRUSHES
(plug-in type)



- Can be fixed by plugging in to the door
- Do not allow dust to go through the cabinets
- Please contact Essentra for different sizes

MATERIAL
BODY : Plastic



444



445



446-447



448-449



450-451



452



453



454



455



456



457



458



458



459



460



461



462



463



464



465



466



467



468



469



470



471



472



473



474



475



476



477



478



479



479



STAINLESS STEEL PRODUCTS- LOCKS-LATCHES

442-479

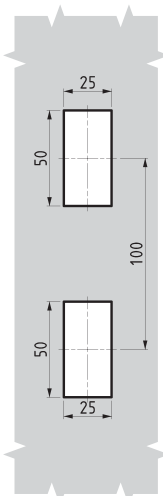




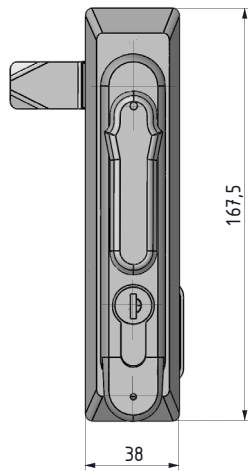
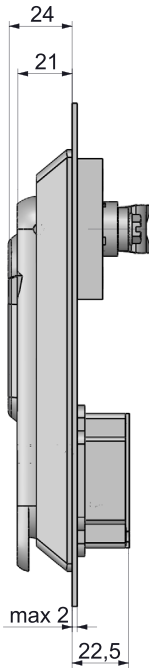
STAINLESS STEEL PRODUCTS

SWINGHANDLE

401



Cut out

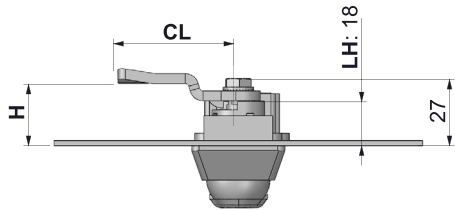
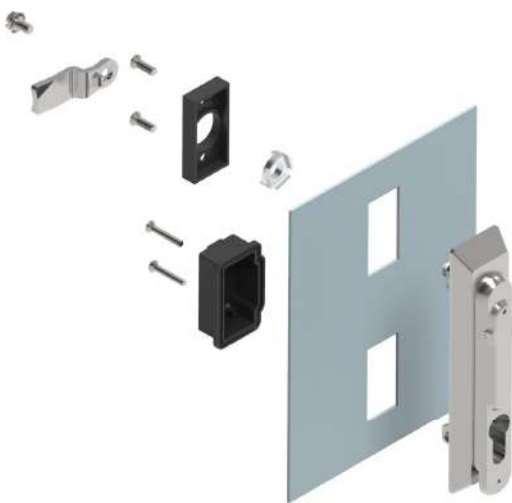


APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
CAM: Stainless Steel
GASKET: Polyurethane



	BRASS CYLINDER	
	No cylinder	DD
	Keyed alike	00
		11

Group Code	Cylinder	Cam	Padlock*
401	DD	CC	

*: add "1" for padlock application



For cams please check page: 174

For rods please check page: 178 or 460

501

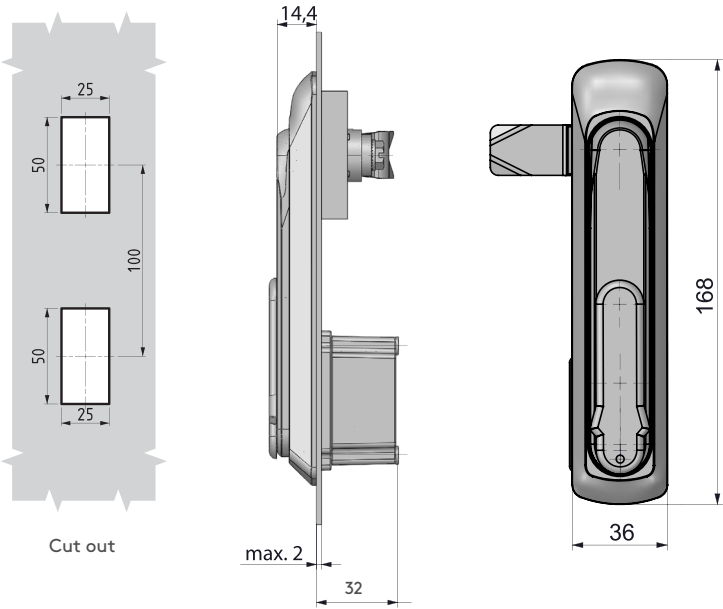
SWINGHANDLE

- RoHS
-
-
- IP 65
- L R
-



APPLICATIONS
Electric panels, outdoor cabinets

MATERIAL
BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
CAM: Stainless Steel
GASKET: Polyurethane



BRASS CYLINDER		DD
	No cylinder	00
	Keyed alike	11

Group Code	Handle	Body	Cylinder	Cam
501	4	0	4	0
			DD	CC

For cams please check page: 174

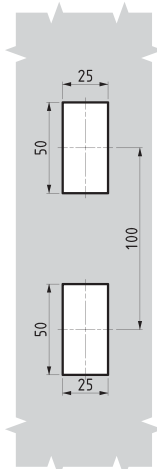
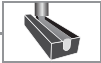
For rods please check page: 178 or 460



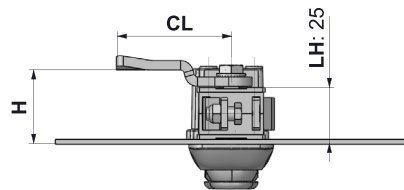
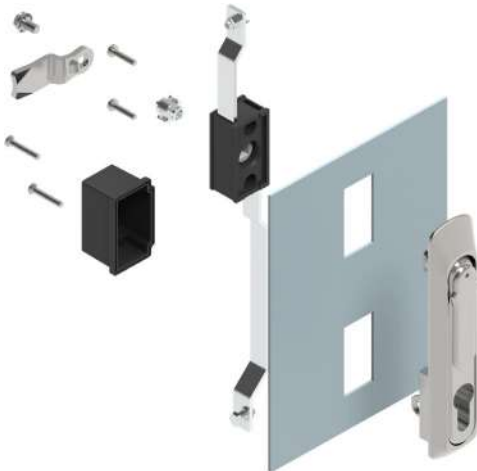
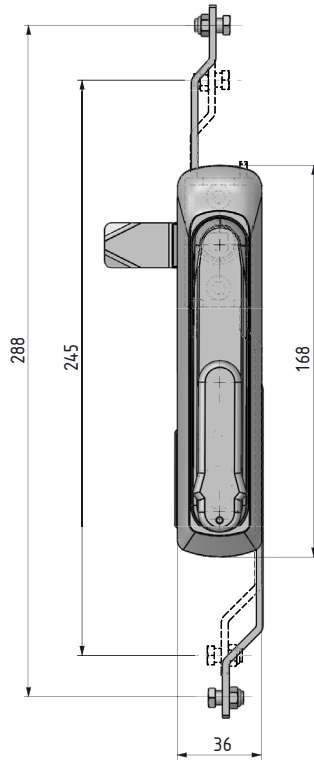
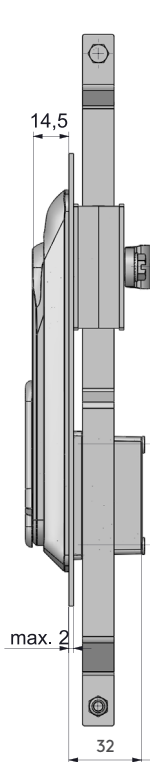
STAINLESS STEEL PRODUCTS

SWINGHANDLE GEAR BOX

502



Cut out



- Thin external profile (14.4 mm) for flush appearance
- High-security, brass, Euro Profile single cylinder available

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
MECHANISM: PA6 GFR 30
CAM: Stainless Steel
GASKET: Polyurethane

	BRASS CYLINDER	
	No cylinder	DD
	Keyed alike	00

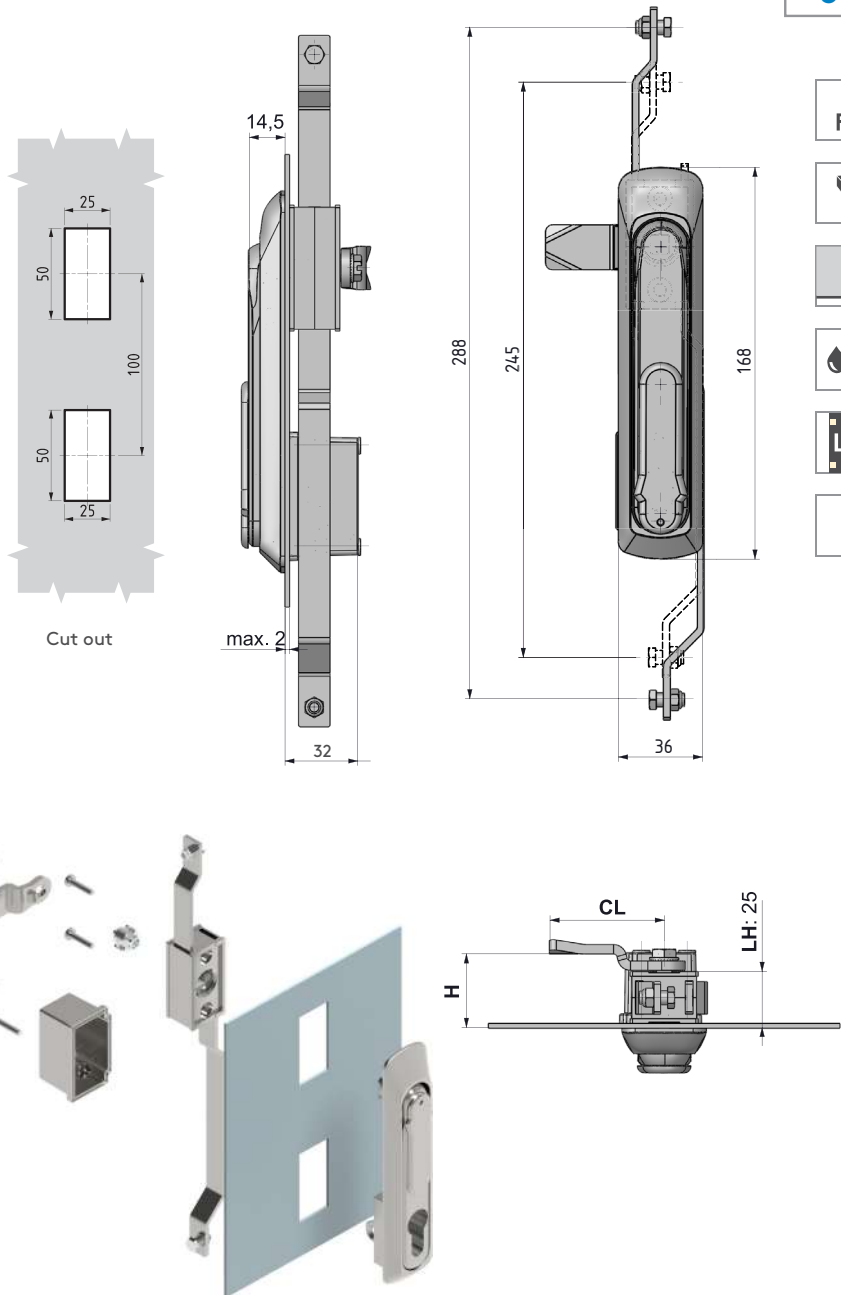
Group Code	Handle	Body	Cylinder	Cam
502	4	0	4	0

For cams please check page: 174
For rods please check page: 178 or 460

502

SWINGHANDLE GEAR BOX

STAINLESS STEEL



- RoHS
- IP 65
- L R



- Thin external profile (14.4 mm) for flush appearance
- High-security, brass, Euro Profile single cylinder available

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
MECHANISM: Stainless Steel
CAM: Stainless Steel
GASKET: Polyurethane

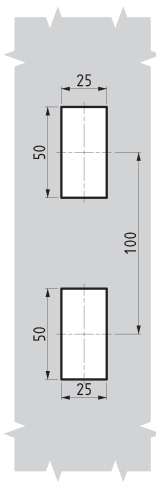
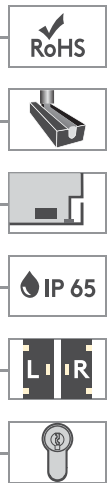
BRASS CYLINDER			DD
	No cylinder		00
	Keyed alike		11

Group Code	Version	Handle		Body		Cylinder	Cam
502	2	4	0	4	0	DD	CC

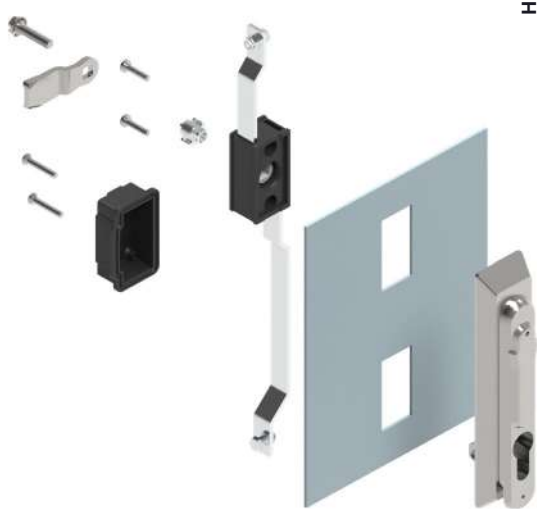
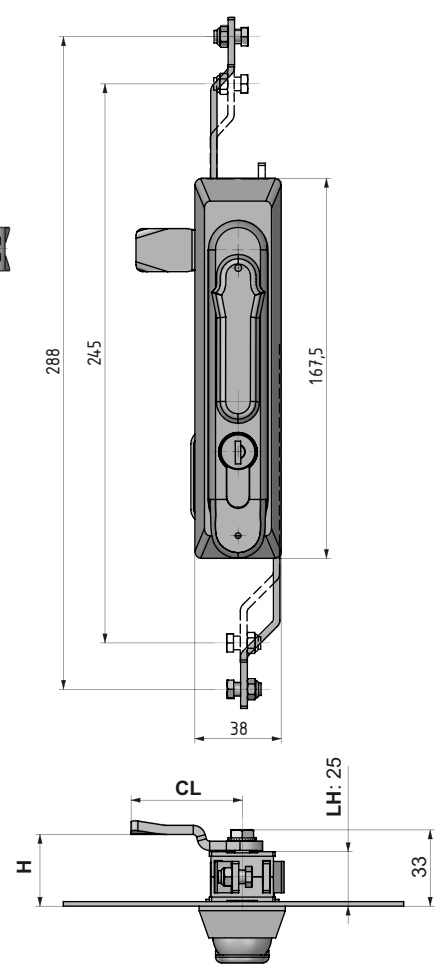
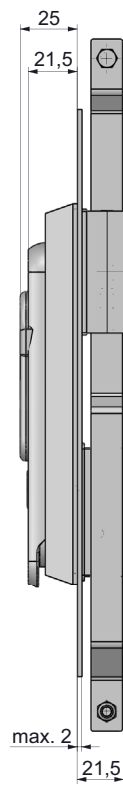
For cams please check page: 174
For rods please check page: 178 or 460

SWINGHANDLE GEAR BOX

402



Cut out



APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
MECHANISM: PA6 GFR 30
CAM: Stainless Steel
GASKET: Polyurethane

	BRASS CYLINDER	
	No cylinder	00
	Keyed alike	11

Group Code	Cylinder	Cam	Padlock*
402	DD	CC	

*: add "1" for padlock application

For cams please check page: 174
For rods please check page: 178 or 452

402

SWINGHANDLE GEAR BOX

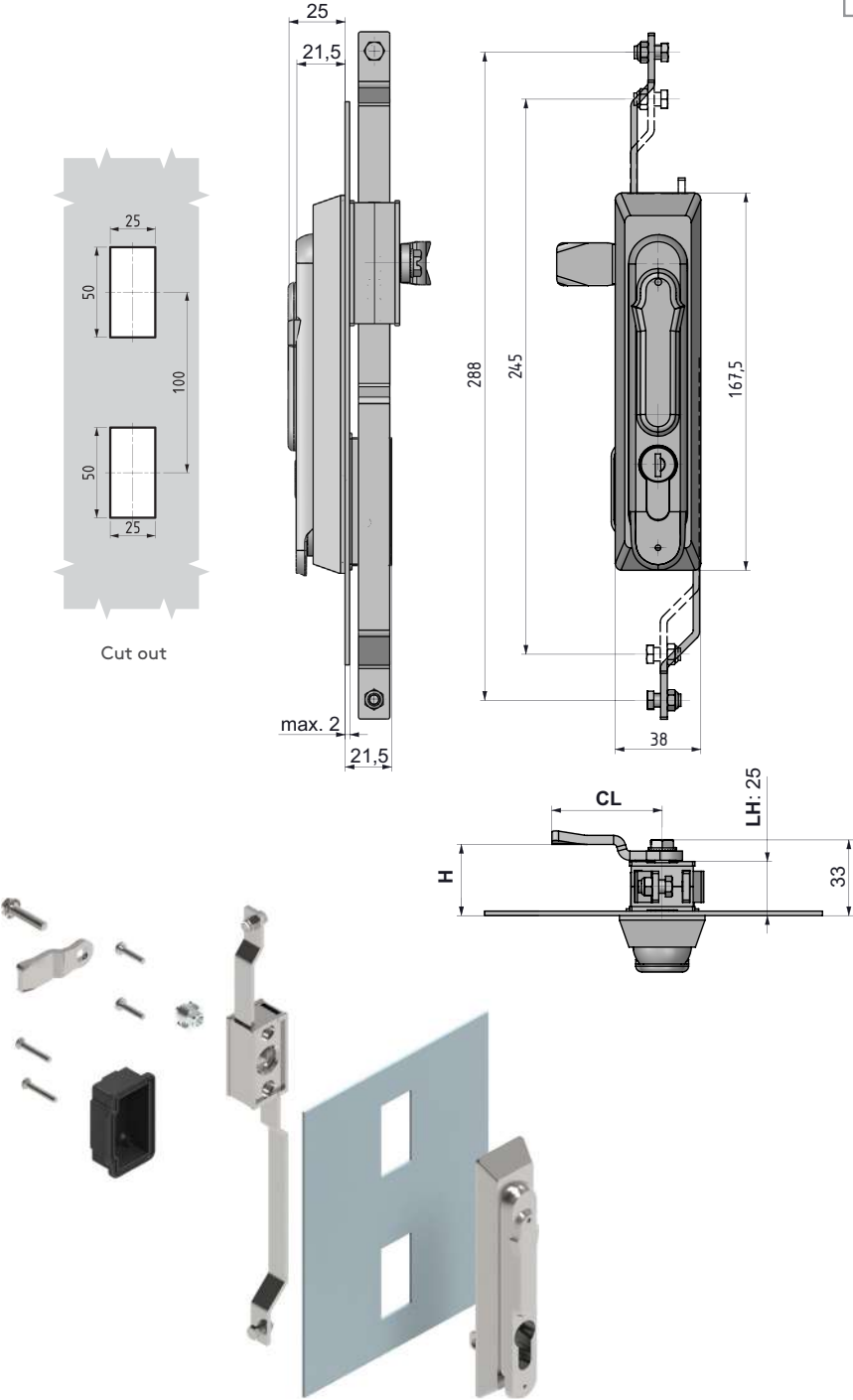
STAINLESS STEEL

- RoHS
- IP 65
- L R



APPLICATIONS
Electric panels, outdoor cabinets

MATERIAL
BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
MECHANISM: Stainless Steel
CAM: Stainless Steel
GASKET: Polyurethane



	BRASS CYLINDER	
	No cylinder	DD
	Keyed alike	00

Group Code	Version	Cylinder	Cam	Padlock*
402	2	DD	CC	

*: add "1" for padlock application

For cams please check page: 174
For rods please check page: 178 or 460

STAINLESS STEEL PRODUCTS

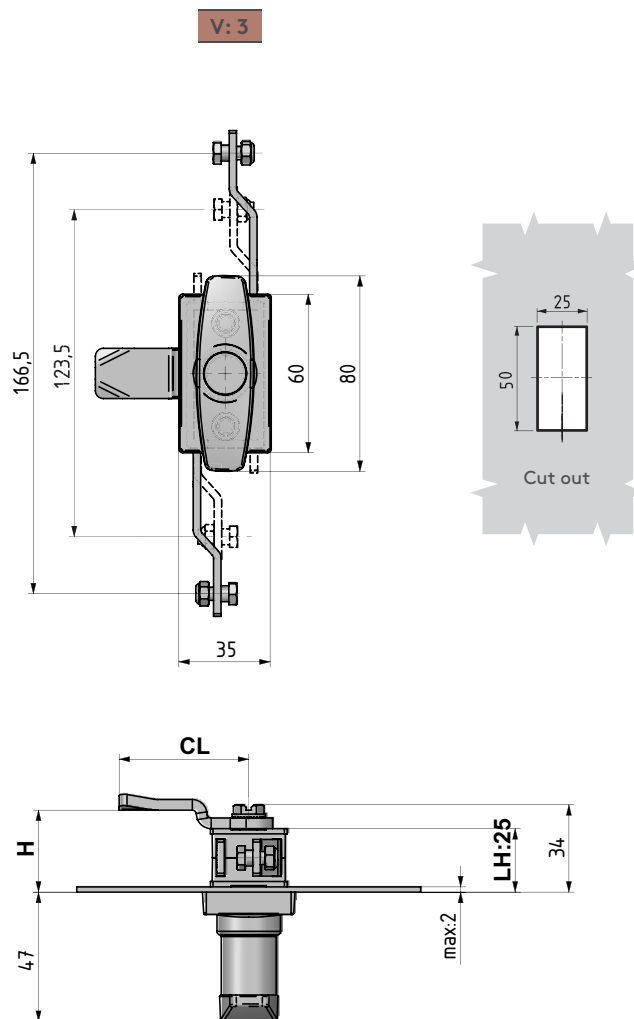
THREE POINT LOCK – T HANDLE

103



MATERIAL

BODY: Stainless Steel
HANDLE: Stainless Steel
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Stainless Steel
GASKET: Polyurethane



DOOR DIRECTION

Right hand	001
Left hand	002

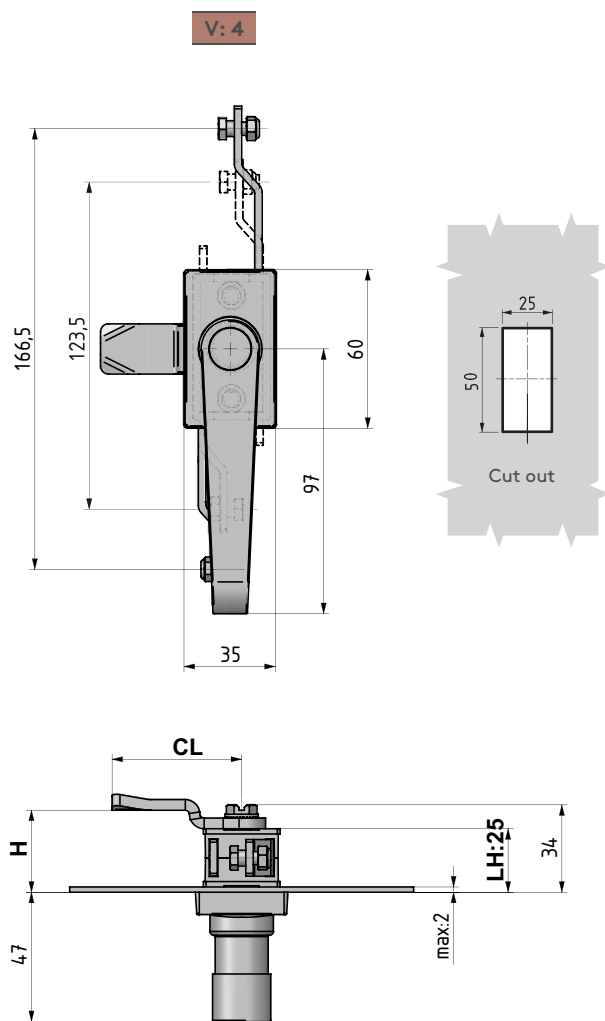
Group Code	Version	Handle	Body	Cylinder	Cam	Door Direction
103	3	4 0 4 0	00	CC		



For cams please check page: 174



For rods please check page: 178 or 452



DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Version	Handle	Body	Cylinder	Cam	Door Direction
103	4	4 0	4 0	00	CC	

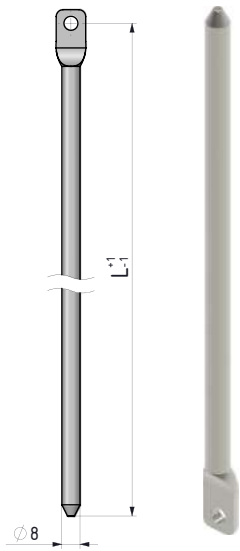
103

THREE POINT LOCK - L HANDLE



MATERIAL
BODY: Stainless Steel
HANDLE: Stainless Steel
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Stainless Steel
GASKET: Polyurethane

For cams please check page: 174
For rods please check page: 178 or 452



V:1

L MM	PRODUCT CODE
400	IC 4-0-1-400
500	IC 4-0-1-500
600	IC 4-0-1-600
700	IC 4-0-1-700
800	IC 4-0-1-800
900	IC 4-0-1-900
1000	IC 4-0-1-1000

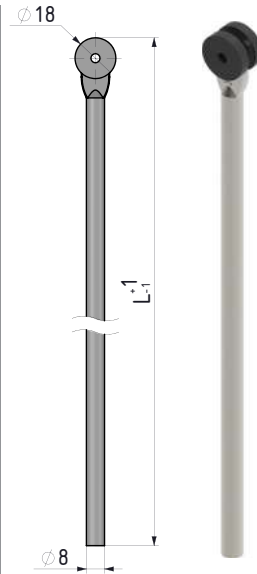
APPLICATION:

- With gear-box locks
- Locks with three-point cam



ACCESSORIES:

- Round-rod guide (CY)



V:2

L MM	PRODUCT CODE
400	IC 4-0-2-400
500	IC 4-0-2-500
600	IC 4-0-2-600
700	IC 4-0-2-700
800	IC 4-0-2-800
900	IC 4-0-2-900
1000	IC 4-0-2-1000

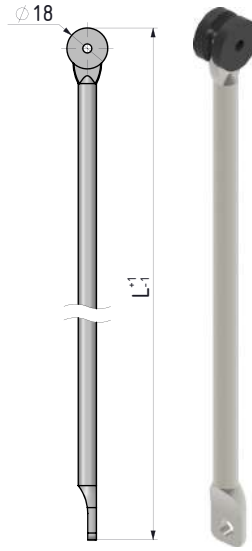
APPLICATION:

- With gear-box locks
- Locks with three-point cam



ACCESSORIES:

- Round-rod guide (CY)
- Rod adapter (CT)



V:3

L MM	PRODUCT CODE
400	IC 4-0-3-400
500	IC 4-0-3-500
600	IC 4-0-3-600
700	IC 4-0-3-700
800	IC 4-0-3-800
900	IC 4-0-3-900
1000	IC 4-0-3-1000

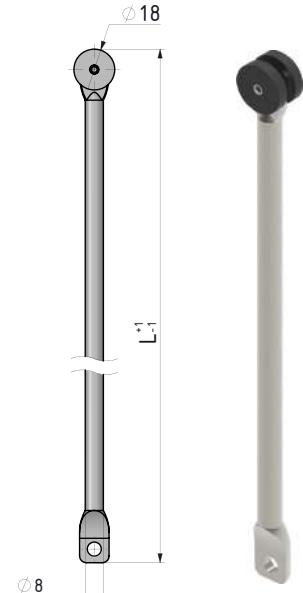
APPLICATION:

- Locks with three-point cam



ACCESSORIES:

- Round-rod guide (CY)



V:4

L MM	PRODUCT CODE
400	IC 4-0-4-400
500	IC 4-0-4-500
600	IC 4-0-4-600
700	IC 4-0-4-700
800	IC 4-0-4-800
900	IC 4-0-4-900
1000	IC 4-0-4-1000

APPLICATION:

- With gear-box locks



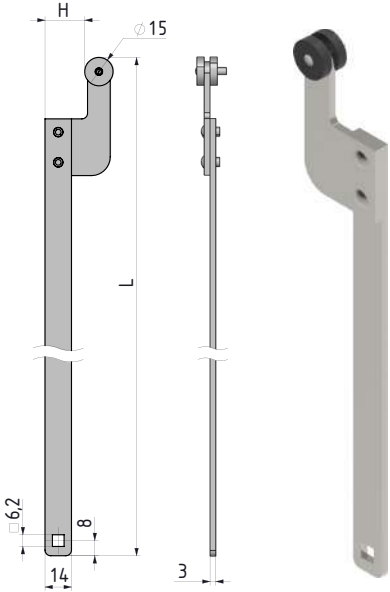
ACCESSORIES:

- Round-rod guide (CY)

For other materials please check:
pages 152 and 153

Group Code	Material	Finish	Version	Length
IC	4	0	V	L

For different 'L' Lengths, please contact us



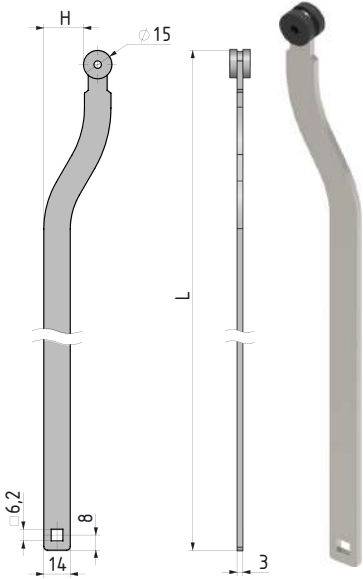
V: 1

H MM	L MM	PRODUCT CODE
27	1020	IL 4-0-1-27-1020
13	1020	IL 4-0-1-13-1020

APPLICATION:
• With gear-box locks



ACCESSORIES:
• Flat-rod guide (LY)



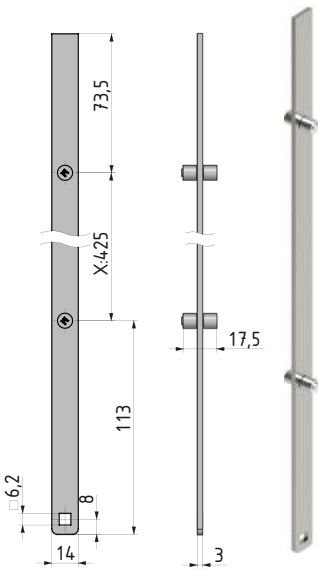
V: 2

H MM	L MM	PRODUCT CODE
21	1020	IL 4-0-2-21-1020
16	1020	IL 4-0-2-16-1020

APPLICATION:
• With gear-box locks



ACCESSORIES:
• Flat-rod guide (LY)



V: 1

X MM	PRODUCT CODE
575	ILP 4-0-1-575

APPLICATION:
• With gear-box locks



ACCESSORIES:
• Flat-rod guide (LY)
• Dual roller catcher (LKY)

For other materials please check:
page 161

Group Code	Material	Finish	Version	Offset	Length
IL	4	0	V	H	L

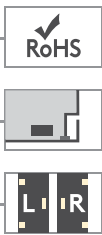
Group Code	Material	Finish	Version	Length Between Pins
ILP	4	0	1	X

For different 'L' Lengths, please contact us

STAINLESS STEEL PRODUCTS

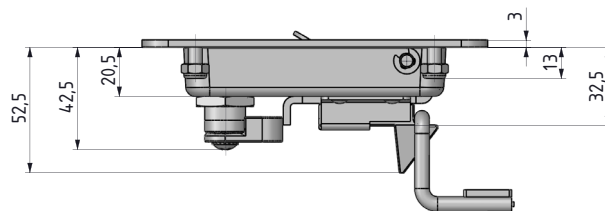
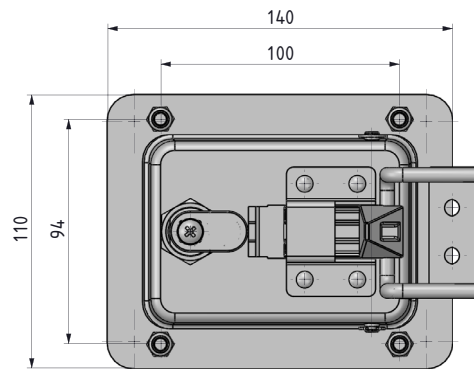
PUSH-TO-CLOSE LOCK

016



- Slam-shut operation; brass cam
- Can be opened from inside by moving cam

MATERIAL
Stainless Steel (AISI 304)



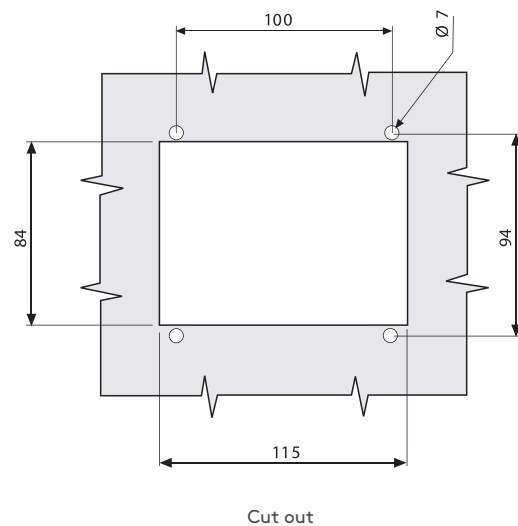
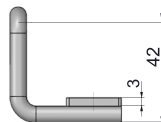
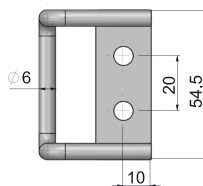
CAM STRIKING PLATE

016 A740



- Striking plate. Custom sizes available

MATERIAL
Stainless Steel (AISI 304)



SPECIFICATIONS

DD

Stainless steel dust cap Keyed alike

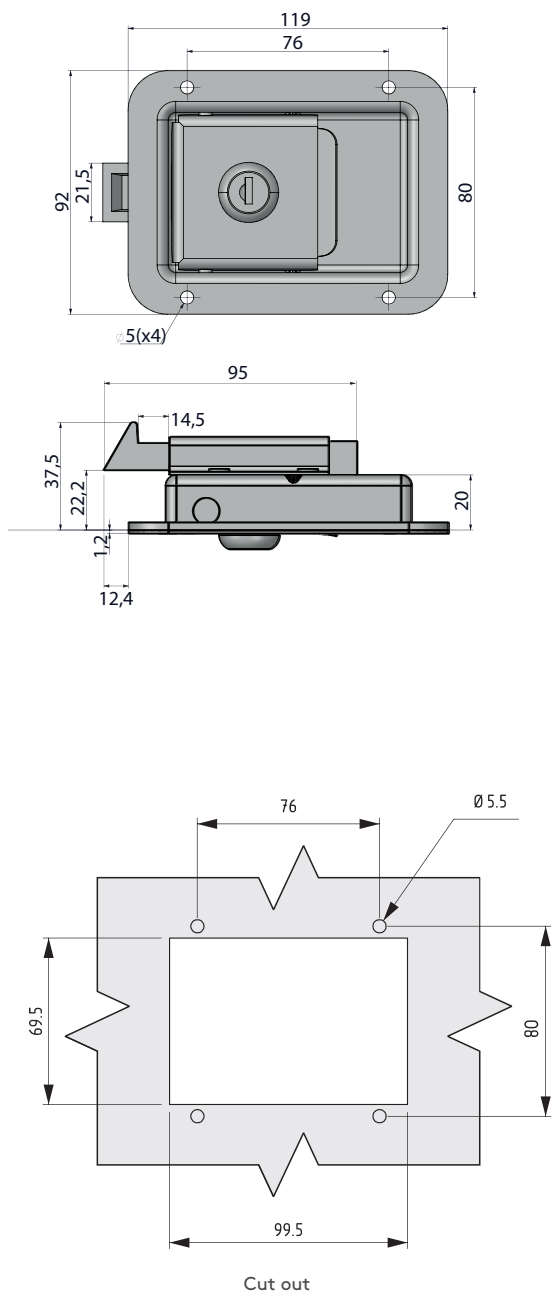
03

Stainless steel dust cap Keyed differ

32

Group Code	Material	Finish	Cylinder	Version
016	4	0	DD	1

For other materials please check:
page 90



416

PUSH-TO-CLOSE LOCK

- RoHS
- LiR
- IP 54



- Slam-shut operation
- Can be opened from inside by moving cam

MATERIAL
Stainless Steel (AISI 304)

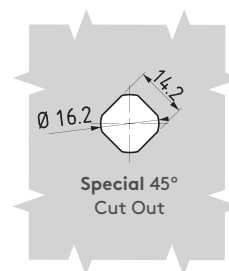
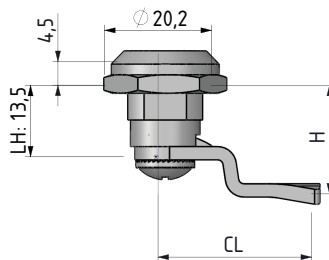
SPECIFICATIONS		DD
Stainless steel dust cap Keyed alike		03
Stainless steel dust cap Keyed differ		32

Group Code	Material	Finish	Cylinder
416	4	0	DD

STAINLESS STEEL PRODUCTS

MINI QUARTER TURN – SPRING LOADED

266



- Specially designed internal spring provides 1.5 mm of compression
- IP 66 (Nema 4), optional

MATERIAL

Stainless Steel (AISI 3.....)

Note: For different drivers please contact Essentra Components

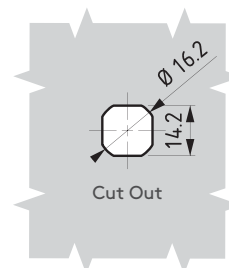
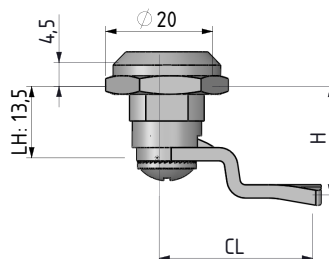
For other materials please check:
page 233

6 mm Square		7 mm Triangular		Slot	
DD		DD		DD	
26		37		42	

Group Code	Material	Finish	Driver No	Cam
266	4	0	DD	CC

MINI QUARTER TURN – SPRING LOADED

066



- Specially designed internal spring provides 1 mm of compression
- Sealing washer not supplied
- There is no IP 65 version of this lock

MATERIAL

Stainless Steel (AISI 3.....)



Application key
code: 267

MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

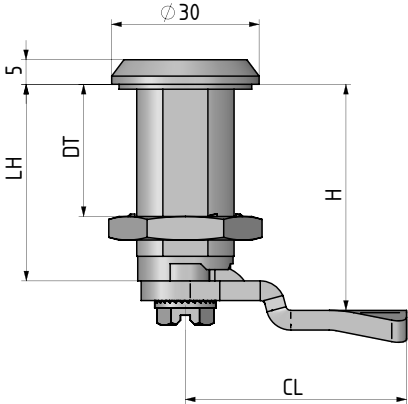
FINISH

Chrome plated

For other materials please check:
page 232

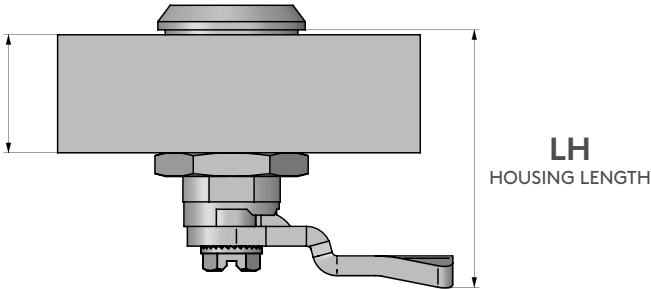
6 mm Square		7 mm Triangular		Slot	
DD		DD		DD	
26		37		42	

Group Code	Material	Finish	Driver No	Cam
066	4	0	DD	CC



DT	LH
30	40
40	50
50	60

DT
DOOR THICKNESS



064

QUARTER TURN –
SPRING LOADED



- Specially designed internal spring provides 1.5 mm of compression
- IP 66 (Nema 4), optional

MATERIAL
Stainless Steel (AISI 3.....)

Note: For different drivers please contact Essentra Components

3 mm Double bit		5 mm Double bit		8 mm Square		7 mm Triangular		8 mm Triangular		Railway	
DD		DD		DD		DD		DD		DD	
13		15		28		37		38		88	

For other materials please check:
page 223

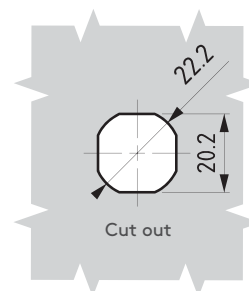
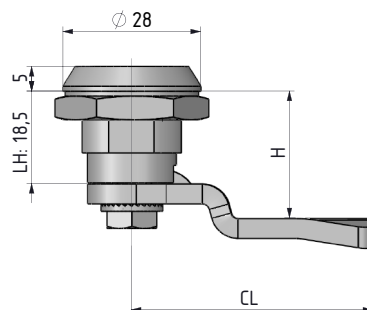
Group Code	Material	Finish	Driver No	Door Thickness	Cam
064	4	0	DD	DT	CC

For cams please check page: 174
 For keys please check pages: 189 - 191

STAINLESS STEEL PRODUCTS

QUARTER TURN - SPRING LOADED

060



- Specially designed internal spring provides 1.5 mm of compression
- IP 66 (Nema 4), optional

MATERIAL

Stainless Steel (AISI 3.....)

Note: For different drivers please contact Essentra Components

For cams please check page: 174

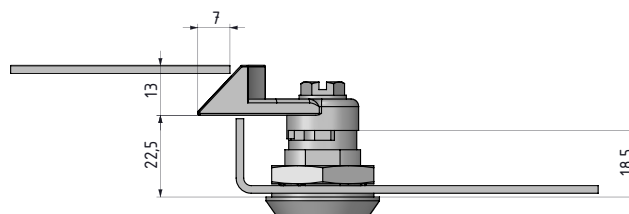
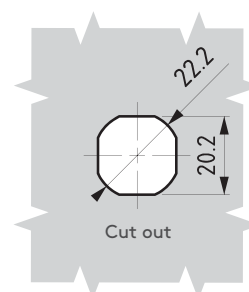
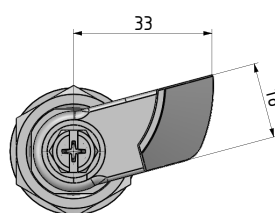
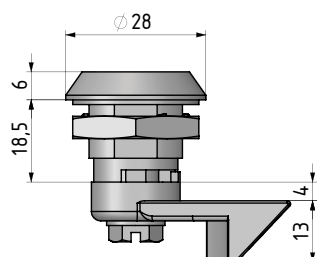
For keys please check pages: 189 - 191

3 mm Double bit	5 mm Double bit	8 mm Square	7 mm Triangular	8 mm Triangular	Railway
DD	DD	DD	DD	DD	DD
13	15	28	37	38	88

Group Code	Material	Finish	Driver No	Cam
060	4	0	DD	CC

QUARTER TURN - SPRING CAM

160



- Spring-loaded cam provides depress-to-lock action
- Distance between inside of lock face and front of cam fixed at 22.5 mm
- There is no IP 65 version of this lock, due to spring loaded cam

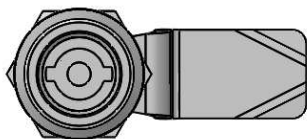
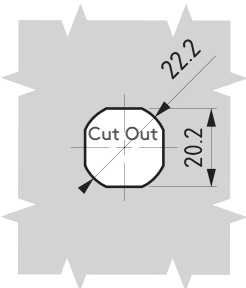
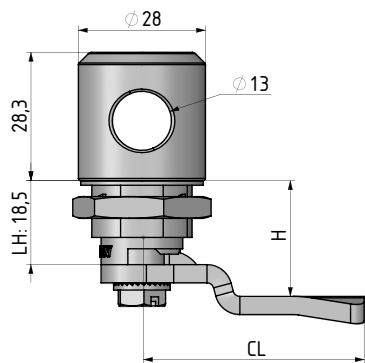
MATERIAL

Stainless Steel (AISI 3.....)

For other materials please check: page 216

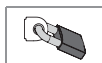
Group Code	Material	Finish	Driver No	Door Direction
160	4	0	DD	

DOOR DIRECTION	
Right hand	001
Left hand	002



260

QUARTER TURN –
PADLOCKABLE



- Padlockable version
- Can be used with different drivers

MATERIAL
Stainless Steel (AISI 3....)

Application 1



Application 2



For other materials please check:
page 217

Group Code	Housing	Driver	Driver No	Cam
260	4 0	4 0	DD	CC

- For cams please check pages: 170 - 171
- For drivers please check page: 458
- For keys please check pages: 189 - 191

STAINLESS STEEL PRODUCTS

MINI COMPRESSION LOCK

140



- Used for cabinets that require better sealing under vibrating conditions
- 4 mm compression ratio
- Provides noise isolation
- Driver and cam alternatives available

MATERIAL

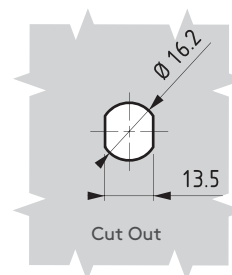
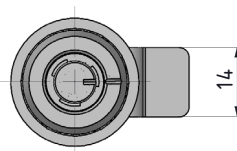
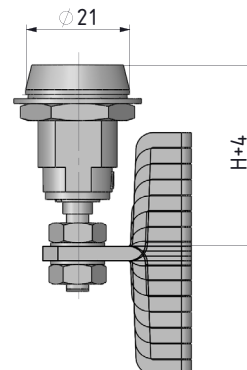
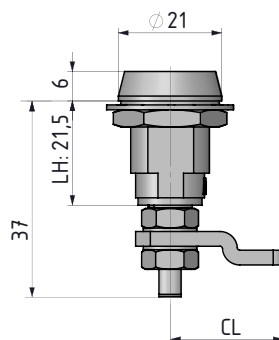
HOUSING: Stainless Steel (AISI 316)

DRIVER: Stainless Steel (AISI 316)

CAM: Stainless Steel (AISI 304)

NUT: Stainless Steel (AISI 30)

For other materials please check:
228



DUST CAP

140 A1



(Order separately)

MATERIAL : Polyurethane

CAM	STOCK CODE	CC	CH	CL	H GRIP MIN	H GRIP MAX
1	30405735Y	01	0	23	26.2	29.4
2	30405740Y	02	1	23	25.2	28.4
3	30405608Y	03	3.8	23	22.4	25.6
4	30405609Y	04	7	23	19.2	22.4
5	30405610Y	05	10.2	23	16	19.2
6	30405611Y	06	13.4	23	12.8	16
7	30405749Y	07	16.6	23	9.6	12.8
8	30405613Y	08	19.8	23	6.4	9.6
9	30405748Y	09	23	23	3.2	6.4

DRIVERS

Tubular key

DD

93



4 mm Hexagon

DD

64



Slot

DD

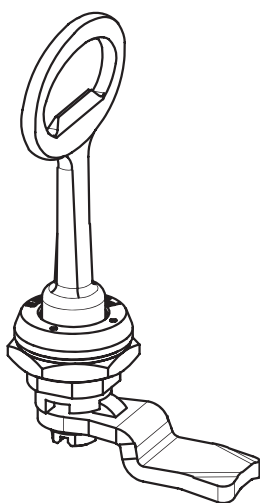
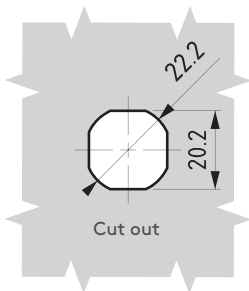
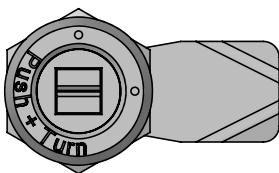
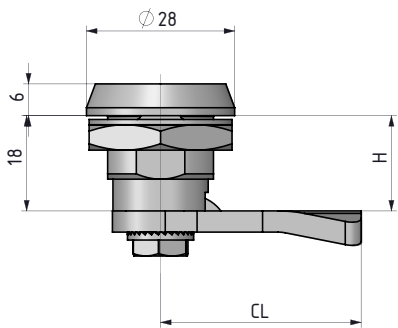
45



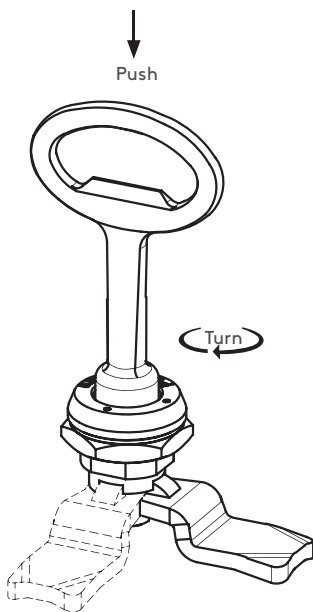
Group Code	Material	Finish	Driver No	Cam
140	4	0	DD	CC



For keys please check pages: 189 - 191



Locked position



Unlock position

1060

QUARTER TURN –
SPRING LOADED



- Vibration proof quarter turn
- Opening the lock only possible by pushing and rotating the driver by the key

MATERIAL
HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)

Note: For different drivers please contact Essentra Components

3 mm Double bit		5 mm Double bit		8 mm Square		7 mm Triangular		8 mm Triangular		Railway	
DD		DD		DD		DD		DD		DD	
13		15		28		37		38		88	

Group Code	Material	Finish	Driver No	Cam	Door Direction
1060	4	0	DD	CC	

DOOR DIRECTION	
Right hand	001
Left hand	002

- For cams please check page: 174
- For keys please check pages: 189 - 191

STAINLESS STEEL PRODUCTS

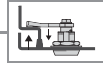
COMPRESSION LOCK

040



RoHS

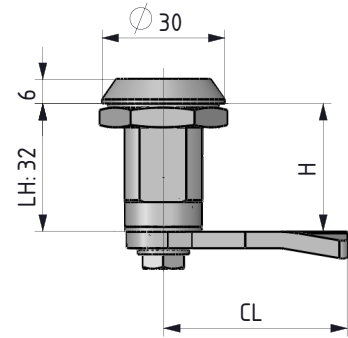
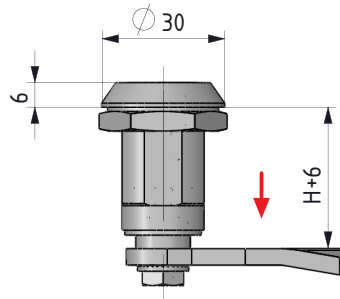
IP 65



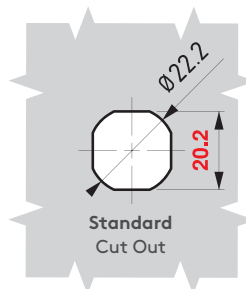
- Used for cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Provides noise isolation
- Different drivers/cams available
- Standard cams without stopper required for these locks
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- Working Temperature Range: -50/+80 °C
- M22 Nut : should be fixed with 20 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)

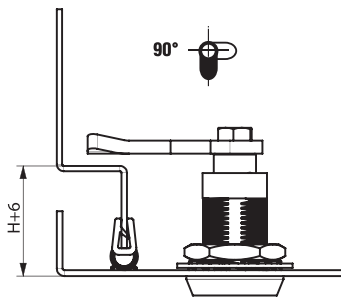
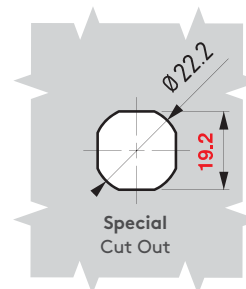


V: 7

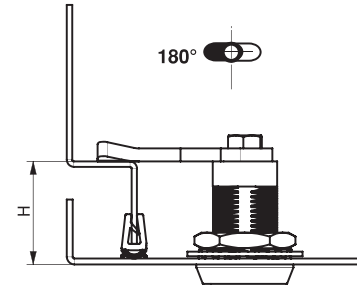


Attention

V: 8

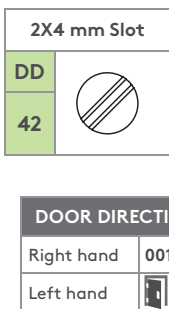
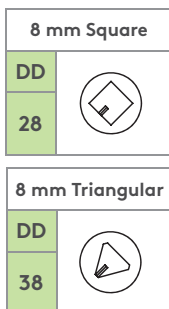
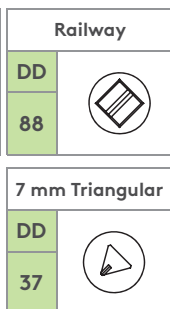
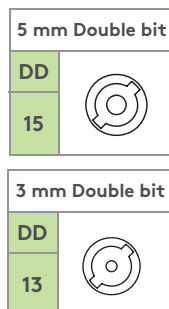
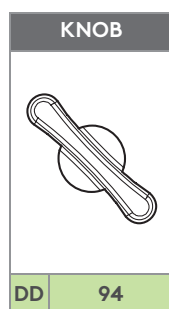


The first 90° of key rotation turns the cam to locking position



Further key rotation 180° applies 6mm compression

DRIVERS



DOOR DIRECTION

Right hand	001
Left hand	002

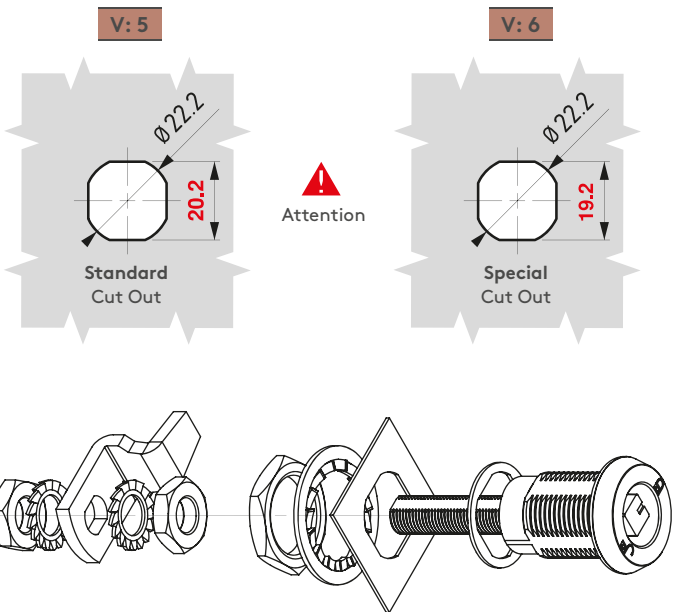
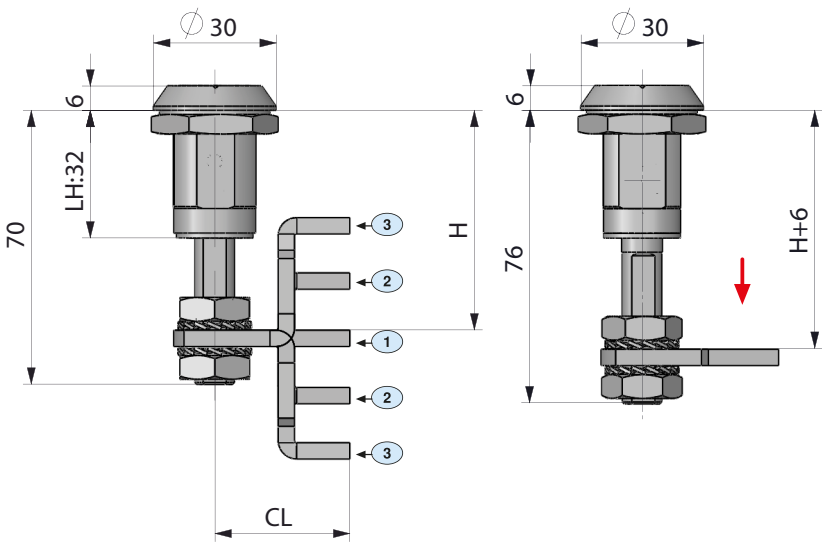
Note: For different drivers please contact Essentra Components

For other materials please check: page 226

Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
040	V	4	0	DD	CC	

For cams please check page: 174

For keys please check pages: 189 - 191



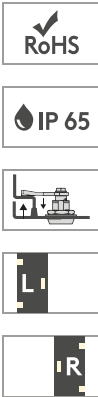
CAM	STOCK CODE	CC	CH	CL	POSITION	H GRIP MIN	H GRIP MAX
1	30405565Y	01	0	33	Flat	41	58
2	30405566Y	02	14	33	Up	27	44
3	30405567Y	03	27,5	33	Down	55	72
					Up	13,5	30,5
					Down	68	85

DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
040	V	4	0	DD	CC	

040

COMPRESSION LOCK



- Used for cabinets that require better sealing under vibrating conditions
- 6 mm of compression
- Wide grip range with adjustable screw
- Noise isolation
- Different drivers/cams available
- Three different cam alternatives available
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- Working Temperature Range: -50/+80 C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL
HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)

Note: For different drivers please contact Essentra Components

For other materials please check: page 227

STAINLESS STEEL PRODUCTS

COMPRESSION LOCK

540

SHORT HOUSING



RoHS

IP 65

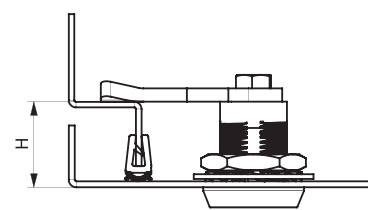
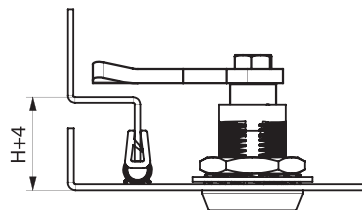
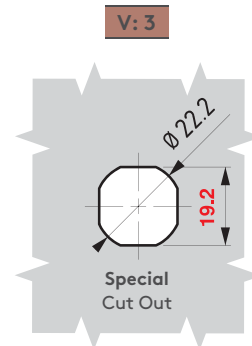
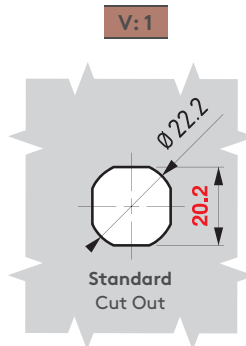
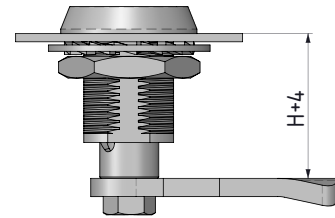
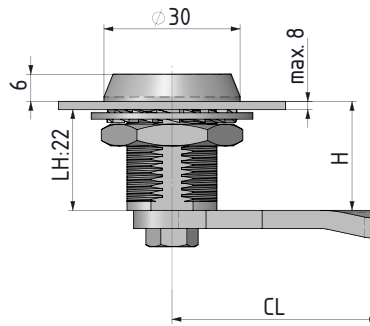
L

IR

- Used for cabinets that require better sealing under vibrating conditions
- Provides 4 mm of compression
- Provides noise isolation
- Different drivers / cams available
- Standard cams without stopper required for these locks
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- Working Temperature Range: -50/+80 C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)



The first 90° of key rotation turns the cam to locking position

Further key rotation 180° applies 4 mm compression

DRIVERS

3 mm Double bit	5 mm Double bit	Railway	8 mm Square	2X4 mm Slot
DD 13	DD 15	DD 88	DD 28	DD 42
	7 mm Triangular	8 mm Triangular	DOOR DIRECTION	
	DD 37	DD 38		
			Right hand	001
			Left hand	002

Note: For different drivers please contact Essentra Components

Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
540	V	4	0	DD	CC	

For cams please check pages: 174

For keys please check pages: 189 - 191

540

COMPRESSION LOCK

SHORT HOUSING

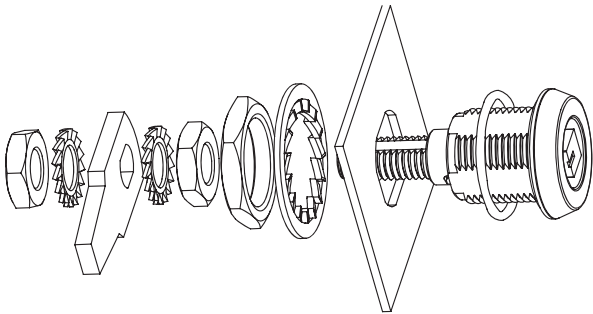
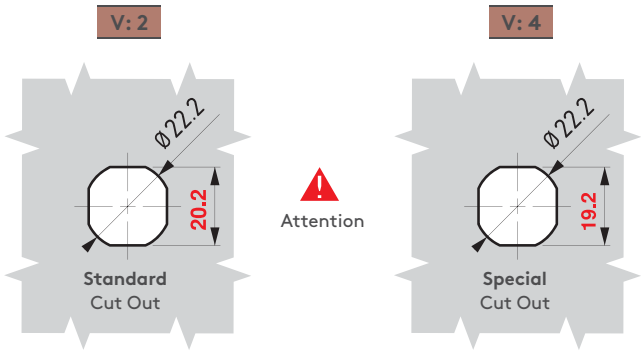
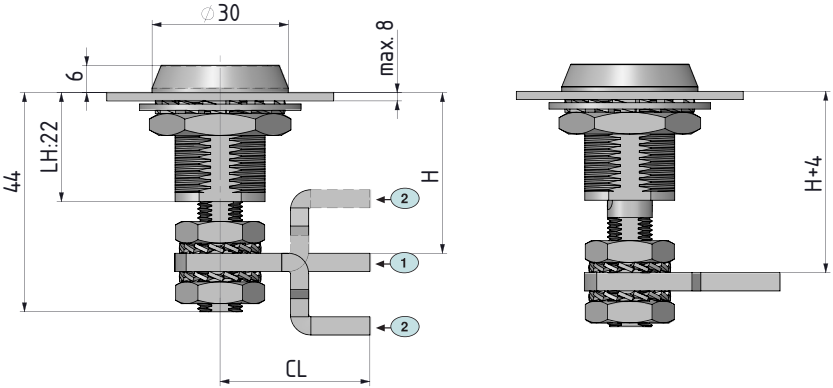


- Used for cabinets that require better sealing under vibrating conditions
- 4 mm of compression
- Wide grip range with adjustable screw
- Noise isolation
- Different drivers/cams available
- Three different cam alternatives available
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- Working Temperature Range: -50/+80 C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)

Note: For different drivers please contact Essentra Components



CAM	CC	CH	CL	H GRIP MIN	H GRIP MAX
1	01	0	33	28	38
2	02	14	33	14	52

DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
540	V	4	0	DD	CC	

For keys please check pages: 189 - 191

STAINLESS STEEL PRODUCTS

HYGIENIC COMPRESSION LOCK

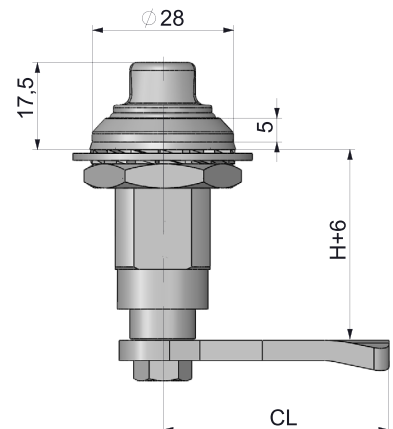
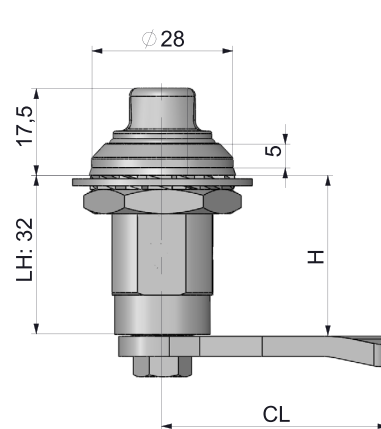
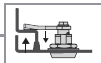
440



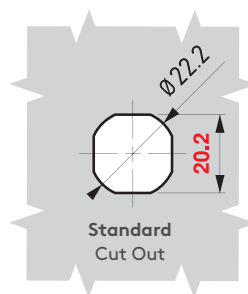
- Dirt resistant and easy to clean
- Specially designed for hygiene requirements
- Used for cabinets that require better sealing under vibrating conditions
- 6 mm of compression
- Noise isolation
- Different drivers / cams available
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- The lock has been tested according to the GS-NV 6:2015/12 for hygiene requirements
- Working Temperature Range: -50/+80 °C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

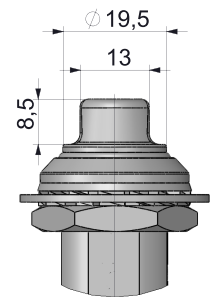
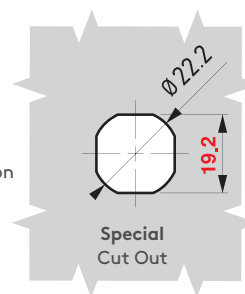
HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)
ORING: Silicone



V:1



V:3



METAL KEY

368-94



MATERIAL & FINISH

Zamak DIN-EN 1774-ZnAl4Cu1
Chrome plated

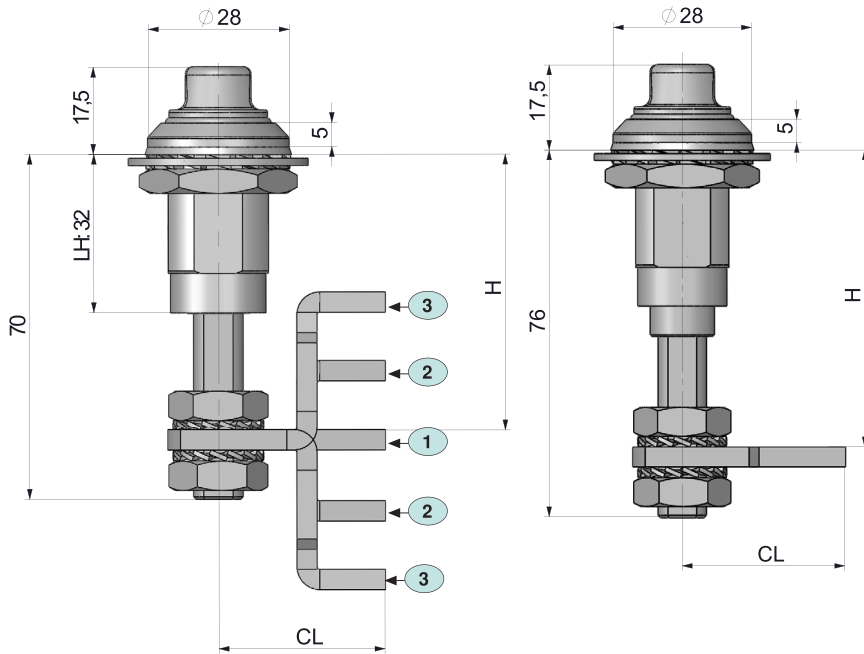
DRIVERS

Special	8 mm Square
DD 	DD 
99	28

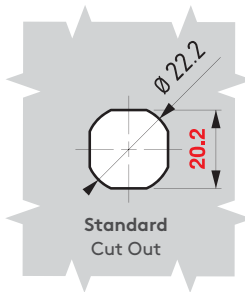
DOOR DIRECTION

Right hand	001 
Left hand	002 

Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
440	V	4	0	DD	CC	



V: 2

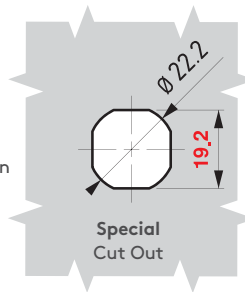


Standard
Cut Out



Attention

V: 4



Special
Cut Out

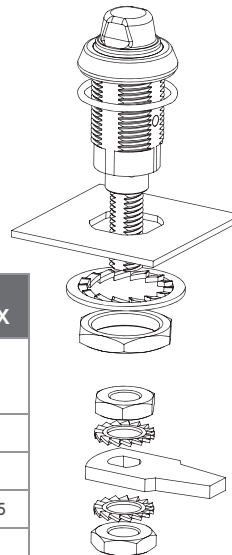
DRIVERS

Special	8 mm Square
DD	DD
99	28

DOOR DIRECTION

Right hand	001
Left hand	002

CAM	STOCK CODE	CC	CH	CL	POSITION	H GRIP MIN	H GRIP MAX
1	30405565Y	01	0	33	Flat	41	58
2	30405566Y	02	14	33	Up	27	44
					Down	55	72
3	30405567Y	03	27,5	33	Up	13,5	30,5
					Down	68	85



440

HYGIENIC COMPRESSION LOCK



- Dirt resistant and easy to clean
- Specially designed for hygiene requirements
- Used for cabinets that require better sealing under vibrating conditions
- 6 mm of compression
- Wide grip range with adjustable screw
- Noise isolation
- Different drivers/cams available
- Three different cam alternatives available
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- The lock has been tested according to the GS-NV 6:2015/12 for hygiene requirements
- Working Temperature Range: -50/+80 C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)
ORING: Silicone

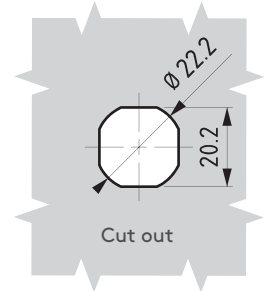
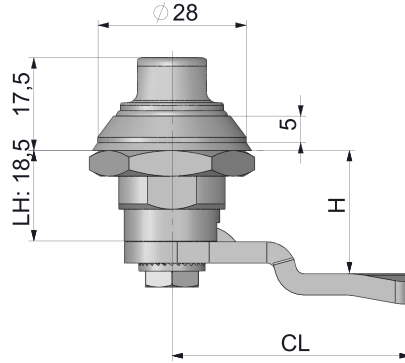
Group Code	Version	Material	Finish	Driver No	Cam	Door Direction
440	V	4	0	DD	CC	

For cams please check pages: 174

STAINLESS STEEL PRODUCTS

HYGIENIC LOCK

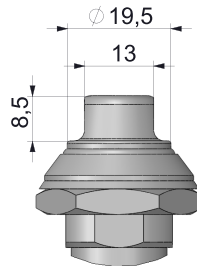
460



- Dirt resistant and easy to clean
- The lock has been tested according to the GS-NV 6:2015/12 for hygiene requirements
- Specially designed for hygiene requirements

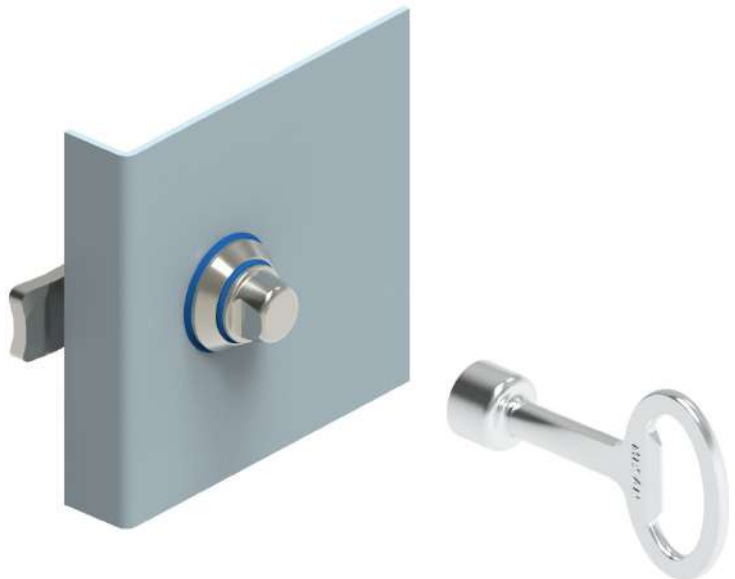
MATERIAL

HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
ORING: Silicone



METAL KEY

368-94



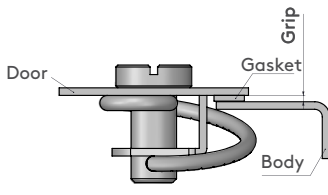
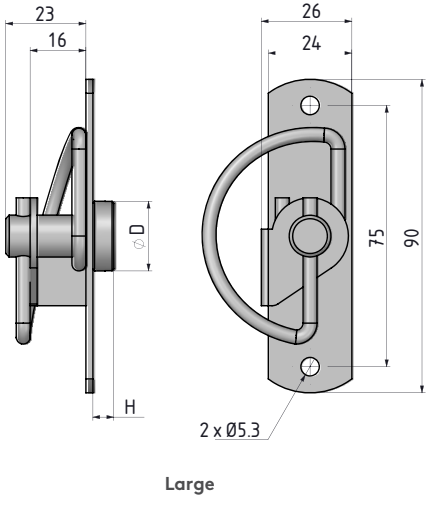
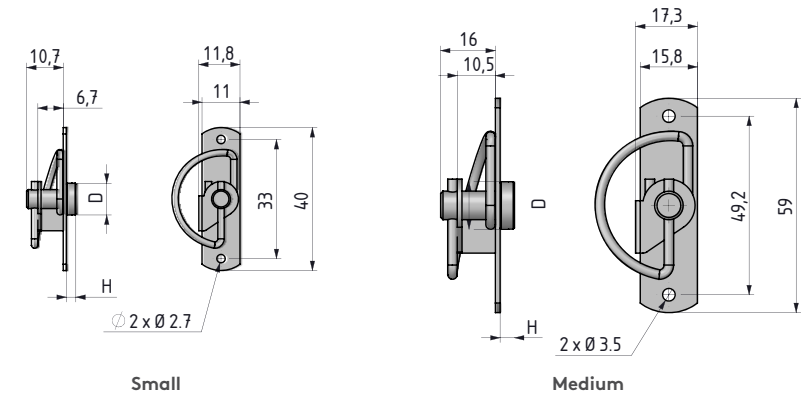
MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

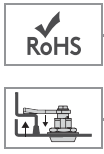
FINISH

Chrome plated

Group Code	Material	Finish	Cam
460	4	0	CC

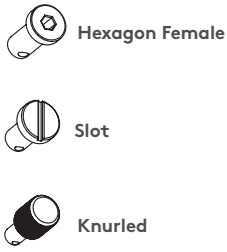


045 COMPRESSION - SPRING LATCH



- Fix small panels to frame with ease
- Quarter-turn locking
- Easy assembly
- For doors with a bend of 24 mm

DRIVERS				
V	DD	Driver name	DØ	H
1	12	Slot - Small	10	3
	13	Knurled - Small	10.5	12
2	21	Hexagon Female 4 mm	12	3.5
	22	Slot - Medium	12	3.5
	23	Knurled - Small	13	17.5
3	31	Hexagon Female 8 mm	20	6
	32	Slot - Large	20	5



CAMS		
CC	Cam name	VERSION
41	Smooth Spring - Small	1
42	Smooth Spring - Medium	2
52	Serrated Spring - Medium	2
43	Smooth Spring - Large	3
53	Serrated Spring - Large	3

VERSIONS	
V	Product
1	Small Spring Latch
2	Medium Spring Latch
3	Large Spring Latch

MATERIAL
BODY: Stainless steel
DRIVER: Stainless steel
SPRING: Stainless steel

For other materials please check:
page 229

Group Code	Version	Material	Finish	Driver No	Cam
045	V	4	0	DD	CC

STAINLESS STEEL PRODUCTS

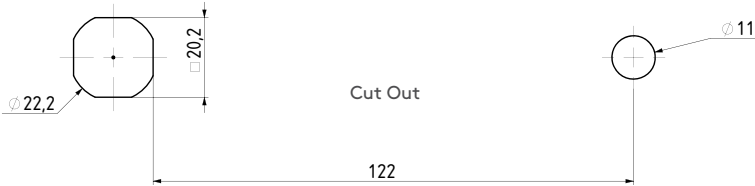
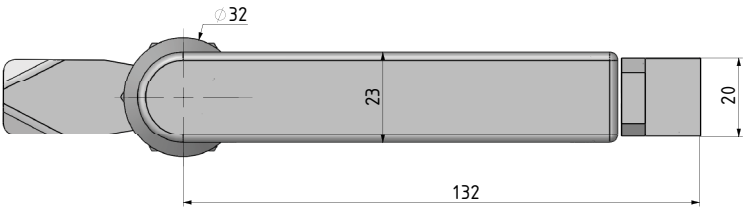
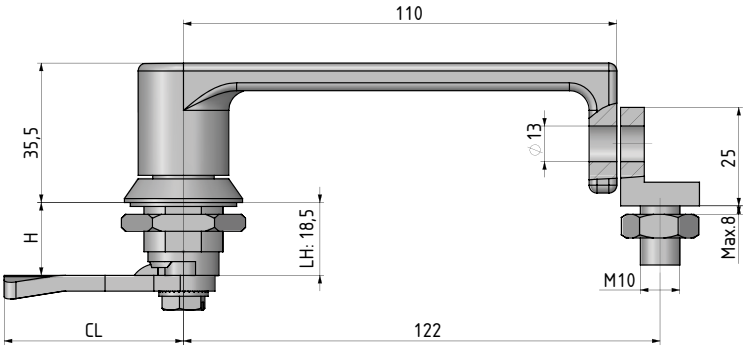
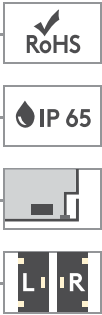
PADLOCKABLE - 'L' HANDLE

211



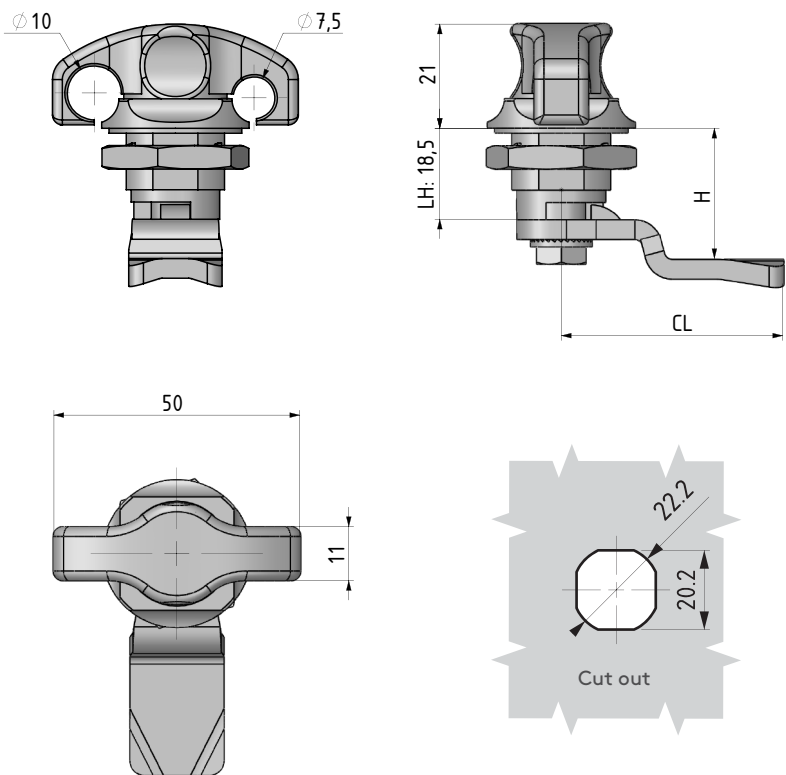
- Padlockable stainless steel lock can be used for outdoor enclosures.
- Suitable for hygienic cabinets and electrical enclosures.

MATERIAL
 HOUSING: Stainless Steel (AISI 316)
 HANDLE: Stainless Steel (AISI 316)
 CAM: Stainless Steel (AISI 304)
 NUT: Stainless Steel (AISI 304)



Group Code	Material	Finish	Cam
211	4	0	CC

For cams please check page: 174



562

PADLOCKABLE WING KNOB



- Shackle diameter is
Max. 9 mm for 10 mm hole
Min. 7.5 mm 10 mm hole
- Shackle diameter is
Max. 6 mm for 7.5 mm hole
Min. 5 mm 7.5 mm hole

MATERIAL
HOUSING: Stainless Steel (AISI 316)
KNOB: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
NUT: Stainless Steel (AISI 304)



Group Code	Material	Finish	Cam
562	4	0	CC

For cams please check page: 174

STAINLESS STEEL PRODUCTS

QUARTER TURN - T HANDLE

110



- Quarter-turn operation
- Stainless steel

MATERIAL

HOUSING: Stainless Steel (AISI 316)

HANDLE: Stainless Steel (AISI 316)

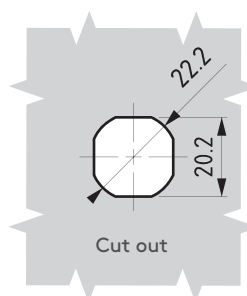
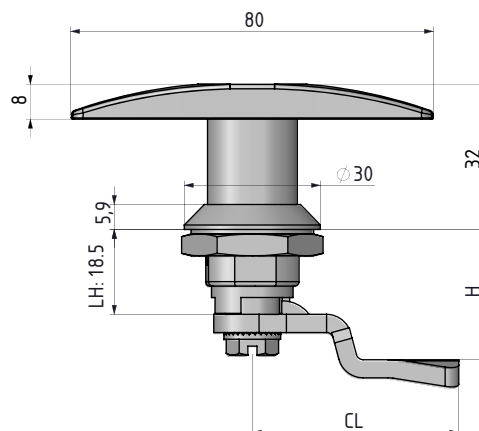
CAM: Stainless Steel (AISI 304)

GASKET: Rubber



No cylinder '00'

For other materials please check:
page 254

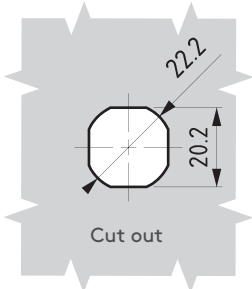
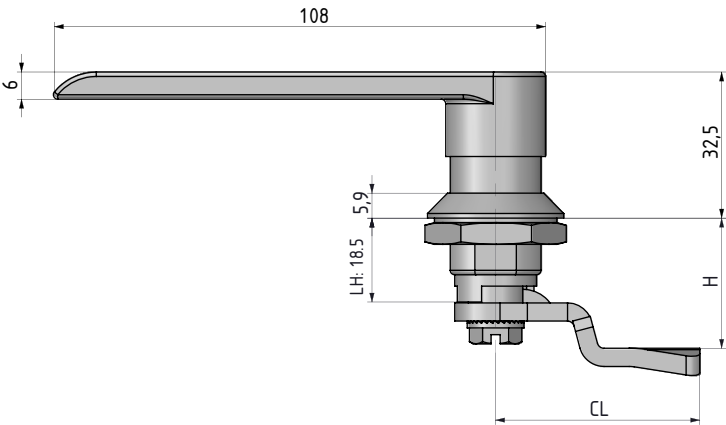


CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Cam
110	4	0	DD	CC



For cams please check page: 174



111

QUARTER TURN – L HANDLE



- Quarter-turn operation
- Stainless steel

MATERIAL
HOUSING: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
GASKET: Rubber



No cylinder '00'

CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Cam
111	4	0	DD	CC

For other materials please check:
page 255

For cams please check page: 174

STAINLESS STEEL PRODUCTS

QUARTER TURN -WING KNOB

065



- Quarter turn operation
- All in stainless steel

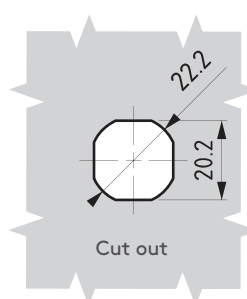
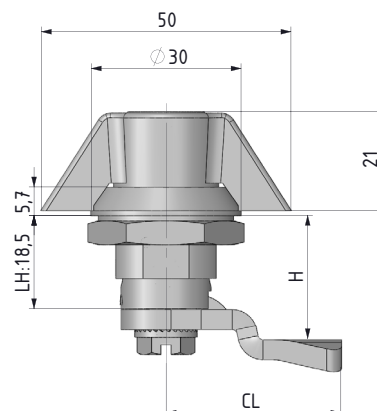
MATERIAL

HOUSING: Stainless Steel (AISI 316)
 KNOB: Stainless Steel (AISI 316)
 CAM: Stainless Steel (AISI 304)
 GASKET: Rubber



No cylinder '00'

For other materials please check:
 page 252

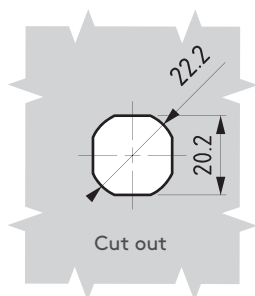
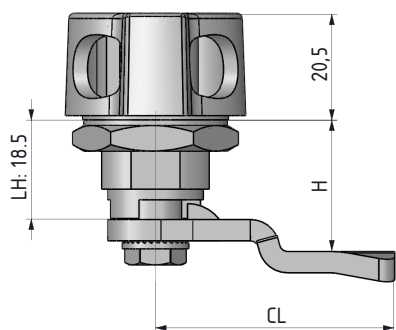


CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Cam
065	4	0	DD	CC



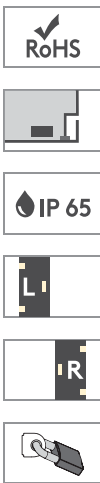
For cams please check page: 174



DOOR DIRECTION	
Right hand	001 
Left hand	 002

Group Code	Material	Finish	Cam	Door Direction
265	4	0	CC	

265 PADLOCKABLE WING KNOB



- Padlockable wing knob. Maximum shackle diameter 6 mm.
- All in Stainless steel

MATERIAL
HOUSING: Stainless Steel (AISI 316)
KNOB: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
GASKET: Rubber

 For cams please check page: 174



STAINLESS STEEL PRODUCTS

CAM LOCK

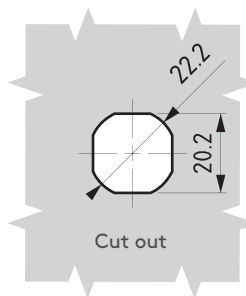
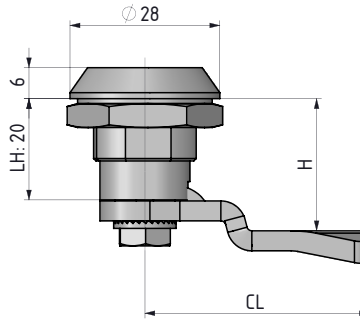
063



- Quarter turn operation
- All in stainless steel

MATERIAL

HOUSING: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
GASKET: Rubber



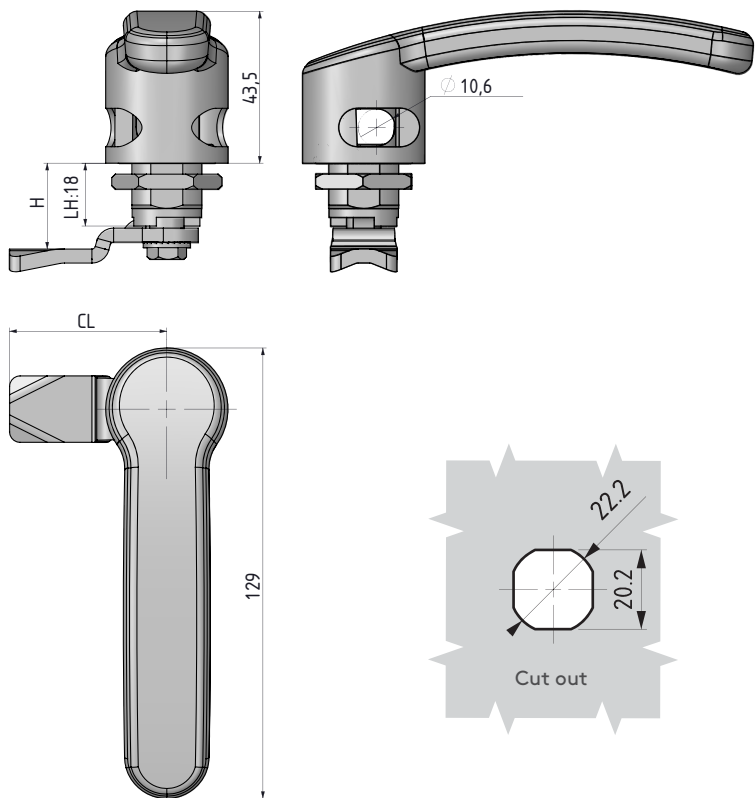
For other materials please check:
page 249

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	03
	Keyed differ	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Cam
063	4	0	DD	CC



For cams please check page: 174

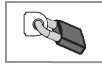


DOOR DIRECTION	
Right hand	001 
Left hand	 002

Group Code	Material	Finish	Cam	Door Direction
411	4	0	CC	

411

PADLOCKABLE L HANDLE



- Padlockable L handle. Maximum shackle diameter 10 mm.
- All in Stainless steel

MATERIAL
HOUSING: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
GASKET: Rubber

 For cams please check page: 174

QUARTER TURN LOCK

860



- Used for cabinets under vibration conditions
- Different driver alternatives are available

APPLICATIONS

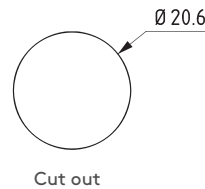
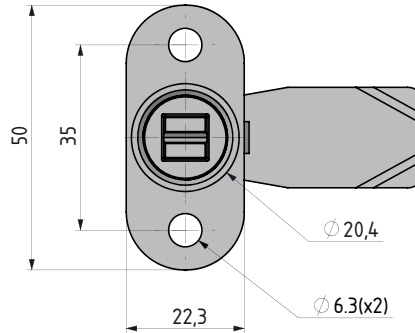
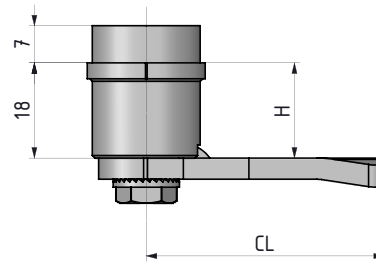
Railway cabinets offroad applications

MATERIAL

HOUSING: Stainless Steel (AISI 316)

DRIVER: Stainless Steel (AISI 316)

CAM: Stainless Steel (AISI 304)



For cams please check page: 174



For keys please check pages: 189 - 191



For drivers please check pages: 458

Group Code	Material	Finish	Driver No	Cam
860	4	0	DD	CC

042

SCREW LOCK



• Used to lock railway cabinets

APPLICATIONS
Railway cabinets

MATERIAL
BODY: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
NUT: Stainless Steel (AISI 304)

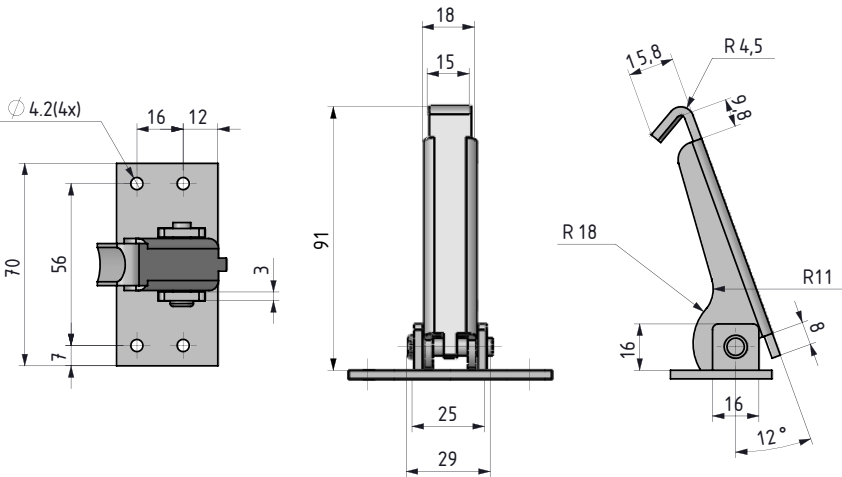
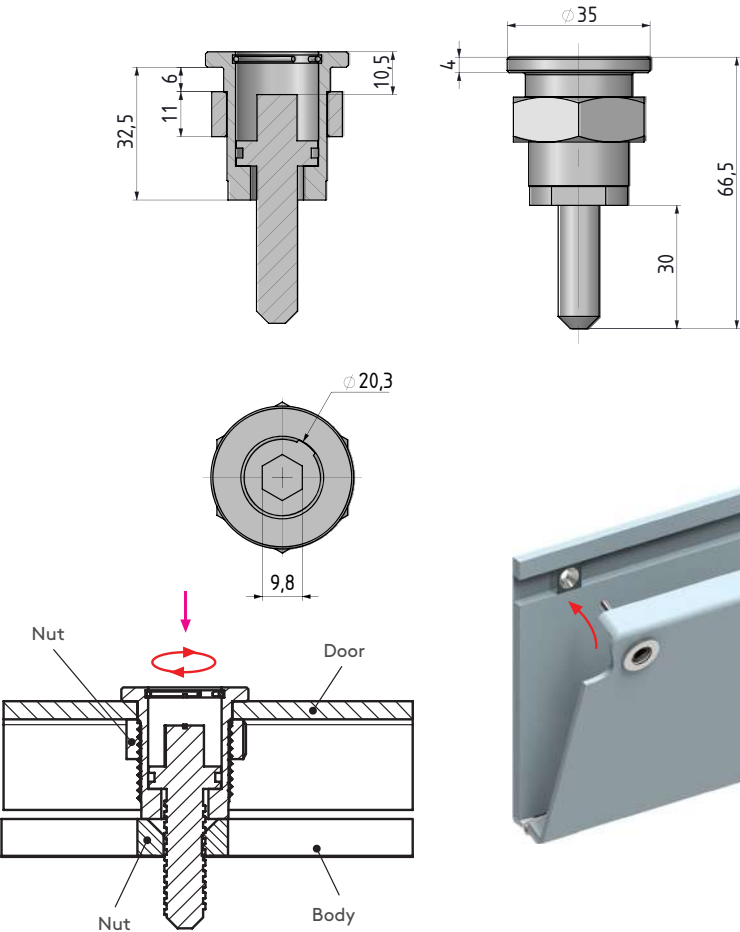
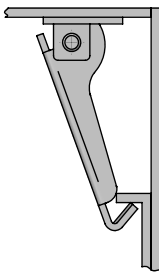
276

SAFETY LATCH



APPLICATIONS
Railway cabinets

MATERIAL
Stainless Steel



Group Code	Material	Finish
042	4	0

Group Code	Material	Finish
276	4	0



482-483



484-485



486-487



488



489



490-491



492



493



494



495



496



NEW

497



498



498



499



500



500-502



501-503



504



505



506-507



508



509



510



511



512



512



513



513



514



515



516



355



STAINLESS STEEL PRODUCTS- HINGES-ACCESSORIES

480-515



mesan
ESSENTA COMPONENTS

CONCEALED HINGE

295

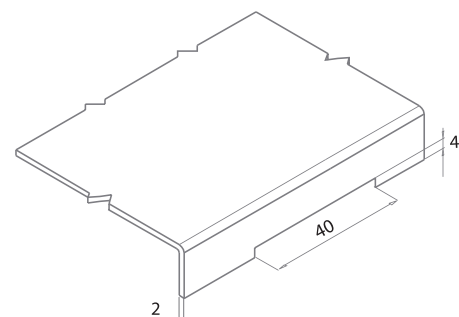
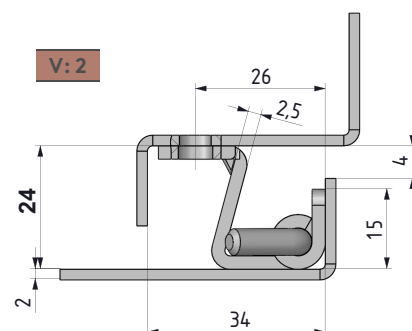
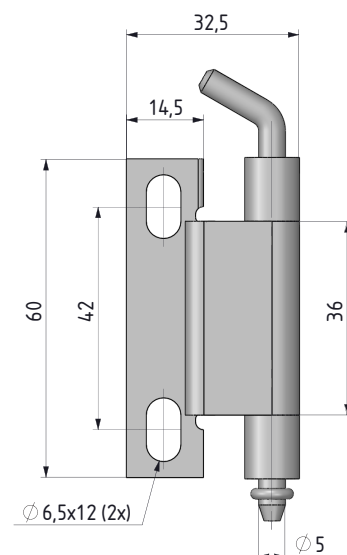
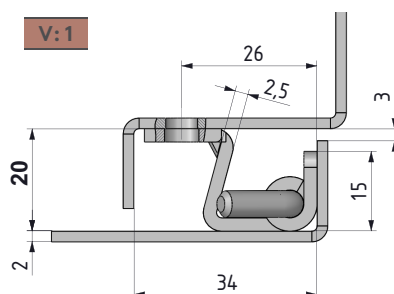
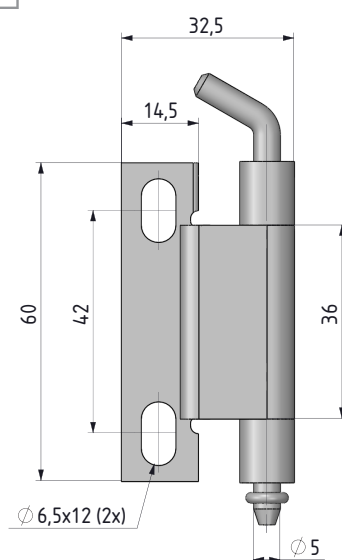


- For doors with a bend of between 20 mm and 24 mm
- Frame part is screwed on, door part is welded on
- Suitable for left- and right-hand application

MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)



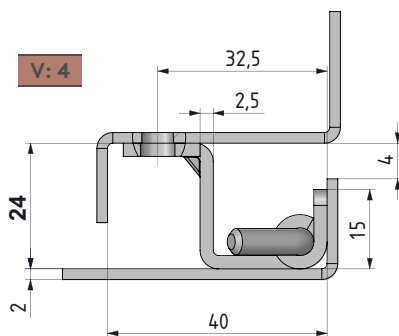
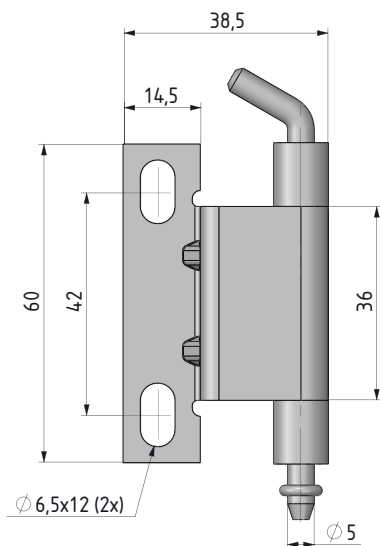
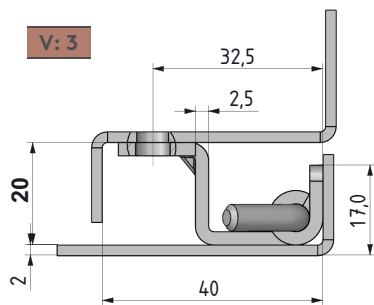
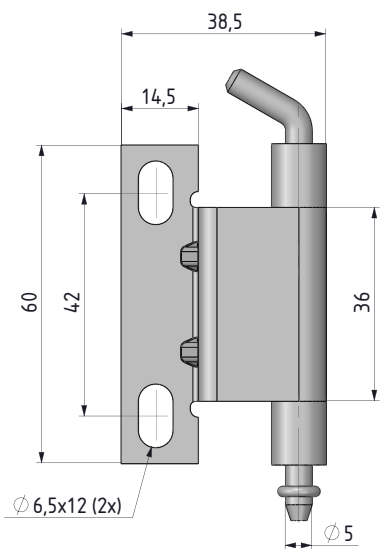
Hinge Rotation Angle



Note: Bolts are not supplied

For other materials please check:
page 314

Group Code	Material	Finish	Version
295	4	0	V



295

CONCEALED HINGE

RoHS

L R



MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



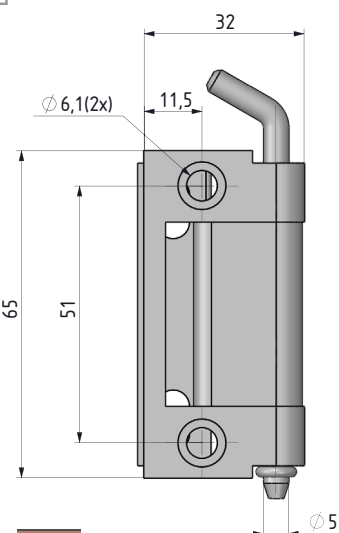
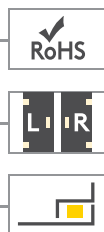
Note: Bolts are not supplied

For other materials please check:
page 315

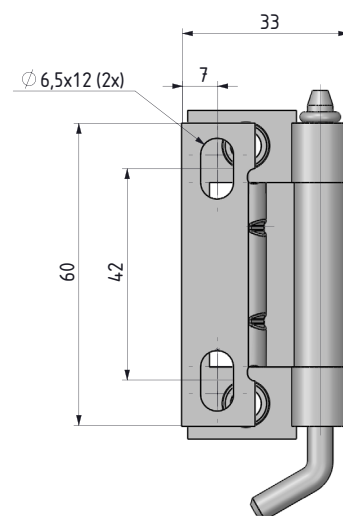
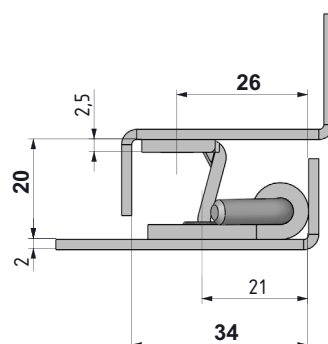
Group Code	Material	Finish	Version
295	4	0	V

CONCEALED HINGE

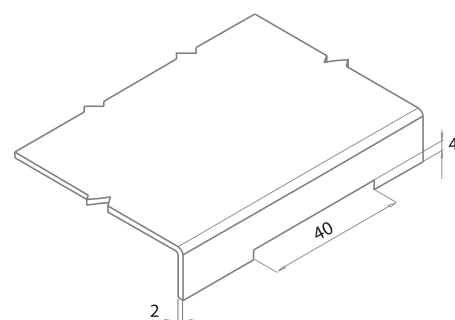
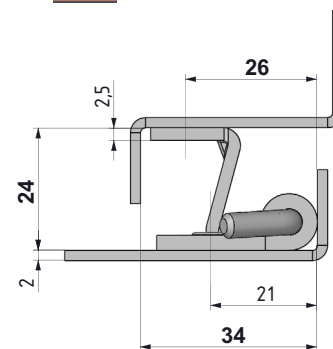
395



V:1



V:2



- For doors with a bend of between 20 mm and 24 mm
- Frame part screwed on, door part welded on
- Suitable for left- and right-hand applications

MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)

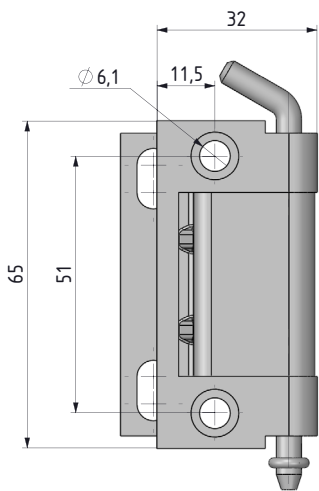
Hinge Rotation Angle



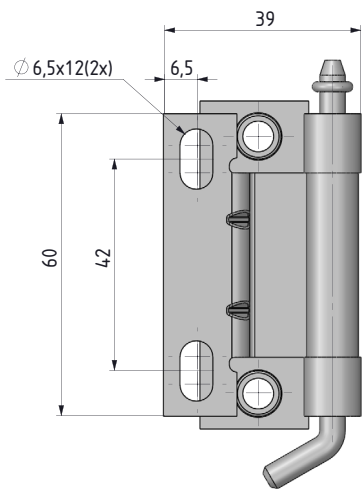
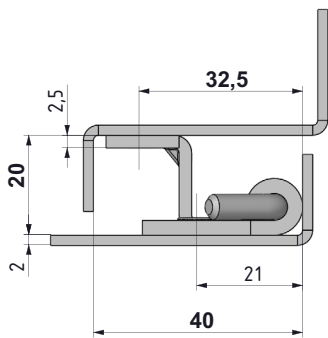
Note: Bolts are not supplied

For other materials please check:
page 316

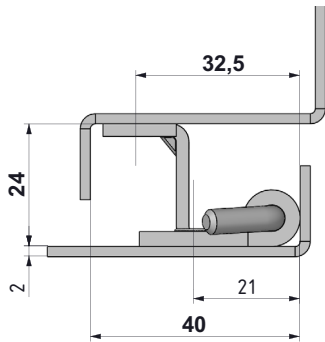
Group Code	Material	Finish	Version
395	4	0	V



V: 3



V: 4



Group Code	Material	Finish	Version
395	4	0	V

395

CONCEALED HINGE



MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



Note: Bolts are not supplied

For other materials please check:
page 317

CONCEALED HINGE

695

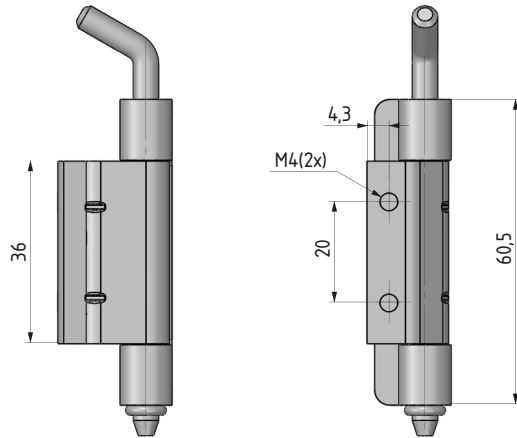
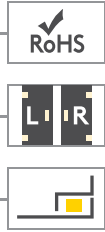


- For doors with a bend of 18 mm
- Frame part screwed on, door part either welded on or screwed-on
- Suitable for left- and right-hand application

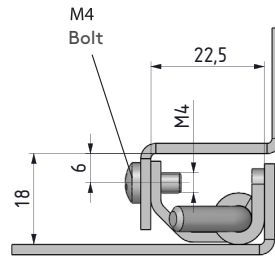
MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)



V:1

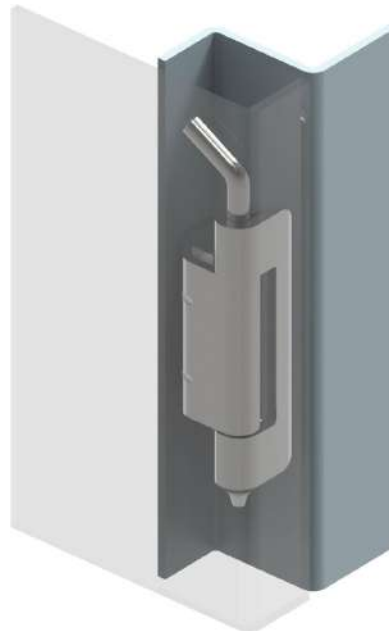


Hinge Rotation Angle

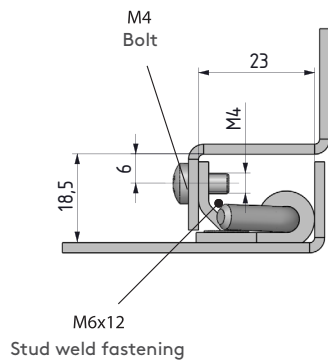
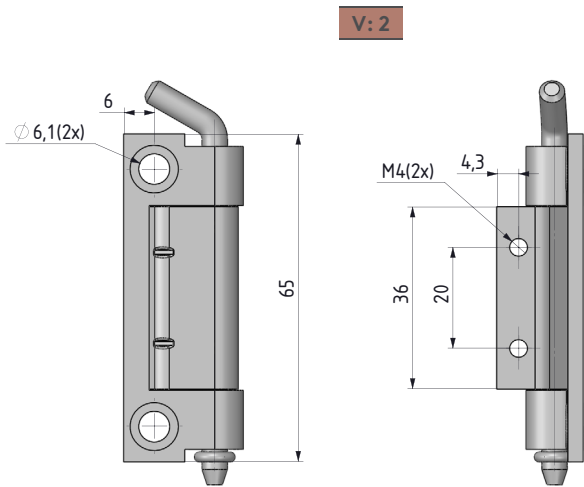


Note: Bolts are supplied

For other materials please check:
page 318



Group Code	Material	Finish	Version
695	4	0	1



Group Code	Material	Finish	Version
695	4	0	2

695

CONCEALED HINGE



- For doors with a bend of 18.5 mm
- Frame part screwed on, door part mounted by nut to welded stud on door
- Suitable for left- and right-hand applications

MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



Note: Bolts are supplied

For other materials please check:
page 319

CONCEALED HINGE

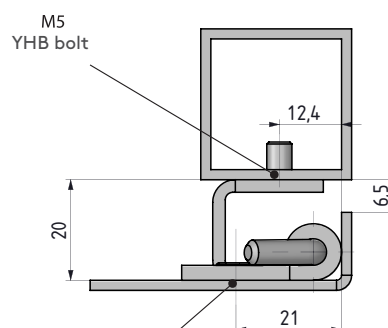
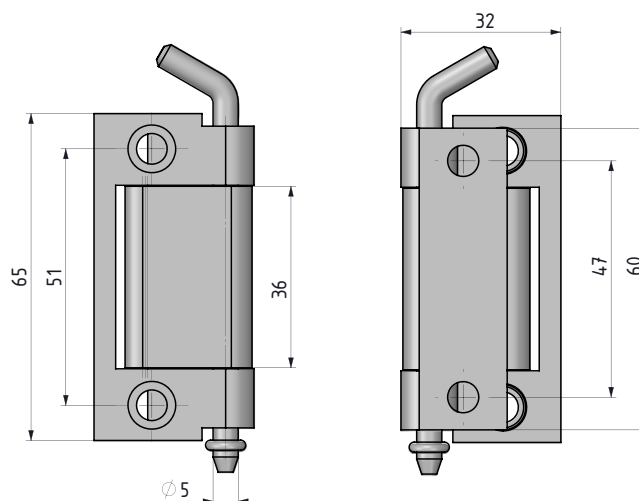
795



- For doors with a bend of 20 mm to fixed profiles
- Frame part screwed on, door part mounted by nut to welded stud on door
- Suitable for left- and right-hand applications

MATERIAL

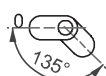
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)



M6x12
Stud weld fastening



Hinge Rotation Angle

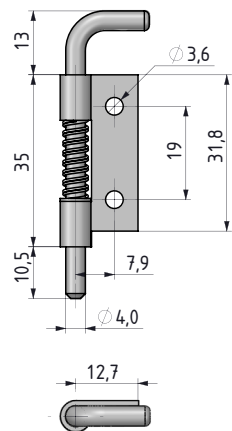


Note: Bolts are not supplied

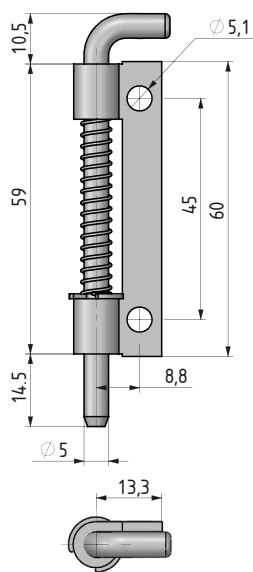
For other materials please check:
page 320

Group Code	Material	Finish
795	4	0

V: 1



V: 2



DOOR DIRECTION			
Right hand	001		
Left hand	002		

Group Code	Material	Finish	Version	Door Direction
289	4	0	V	

289

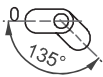
CONCEALED HINGE



- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Both versions either screwed or welded on
- Suitable for left- and right-hand applications

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



Note: Bolts are not supplied

Note: Assembled RH (as drawn)
Assembled LH
(mirror inverted)

For other materials please check:
page 331

STAINLESS STEEL PRODUCTS

CONCEALED HINGE

1995

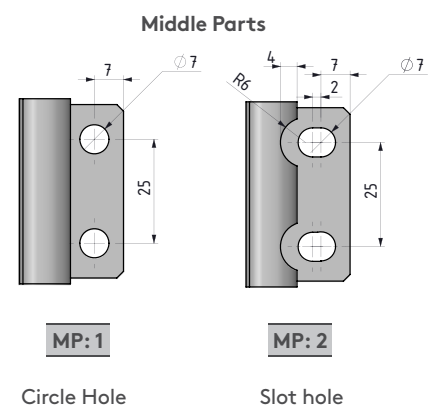
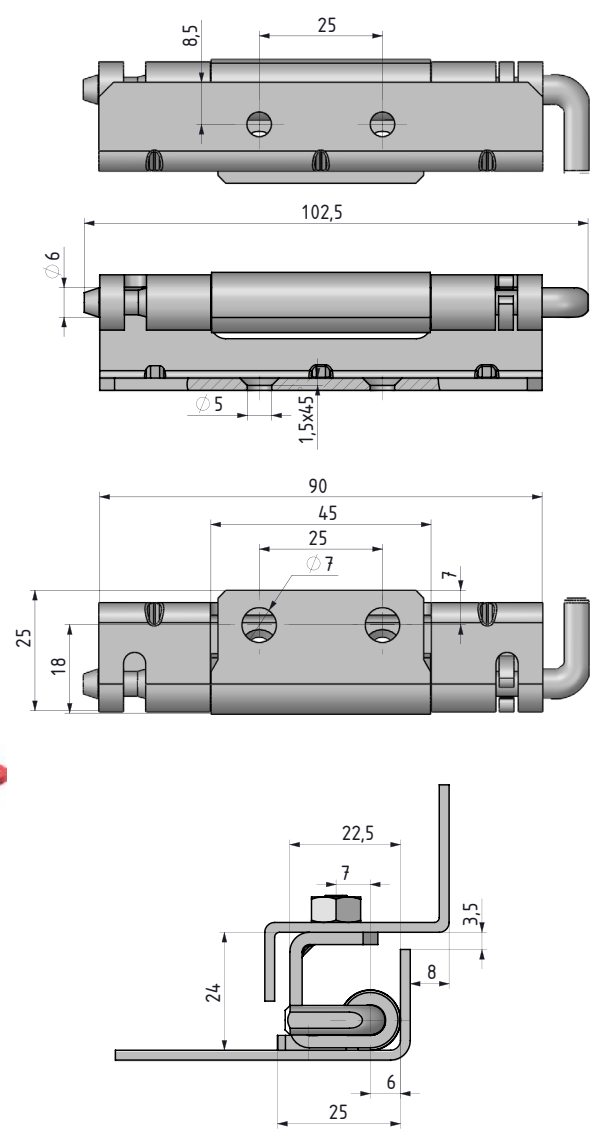


- Remove the door by just removing the pin
- Suitable for heavy-duty applications
- Suitable for 24 mm door bend cabinets

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

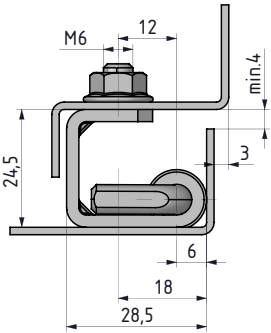
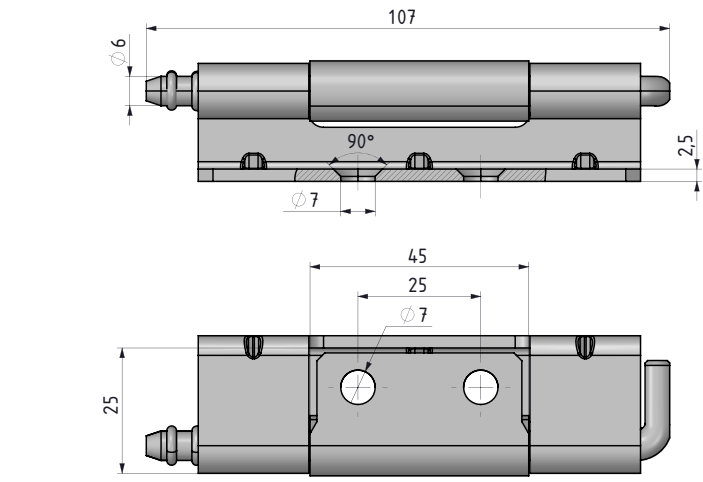
For other materials please check:
page 326

 **Note:** Bolts are not supplied

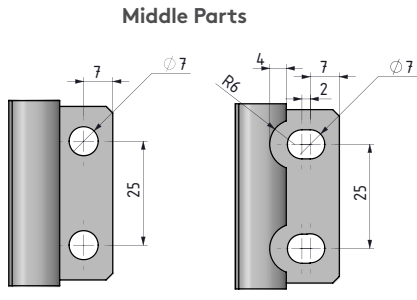


Group Code	Material	Finish	Version	Middle Part	Option
1995	4	0	4	MP	0

OPTION	OP
Hole	0



V:3 Fixed by O'ring V:4 Fixed by clips



MP:1 Circle Hole MP:2 Slot hole

995

CONCEALED HINGE



- Remove the door by just removing the pin
- Suitable for heavy-duty applications
- Suitable for 24.5 mm bend door cabinets

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

Note: Bolts are not supplied

For other materials please check: page 324

Group Code	Material	Finish	Version	Middle Part	Option
995	4	0	V	MP	0

OPTION	OP
Hole	0

CONCEALED HINGE

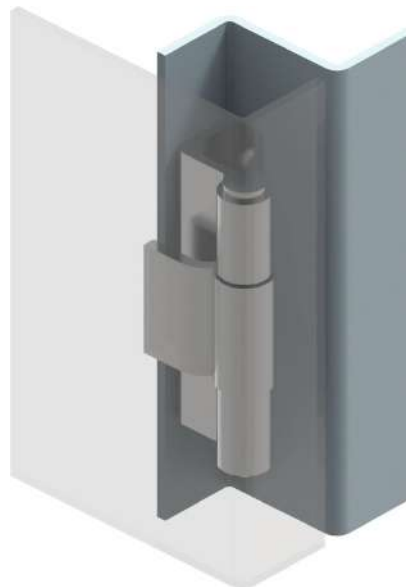
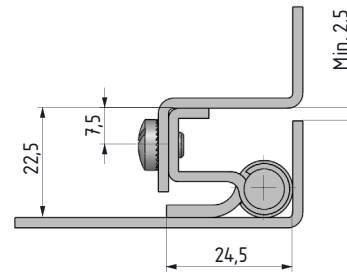
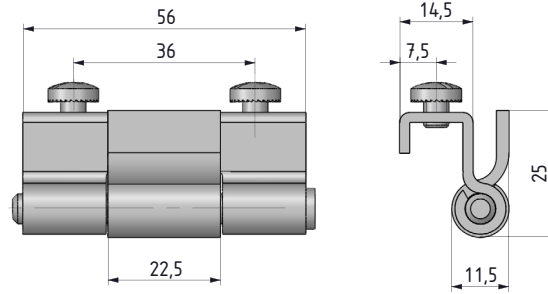
095



- For doors with a bend of 22.5 mm or more

MATERIAL

BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)



Hinge Rotation Angle



Note: Bolts are supplied

For other materials please check:
page 310

Group Code	Material	Finish	Version	Option
095	4	0	1	0

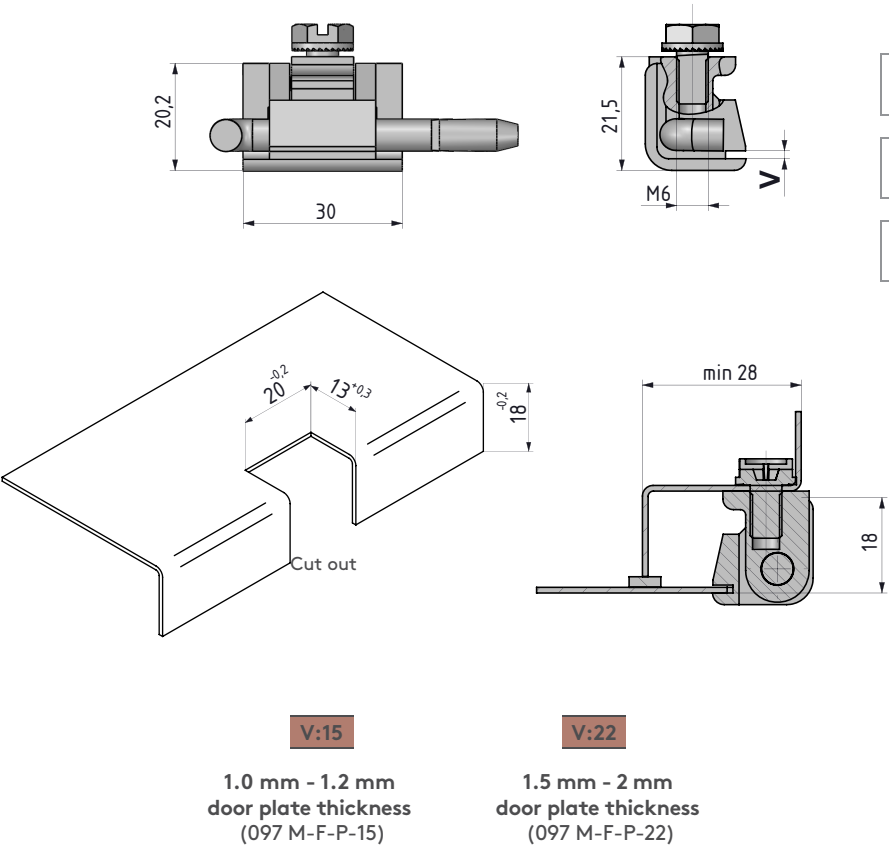
097

CORNER HINGE

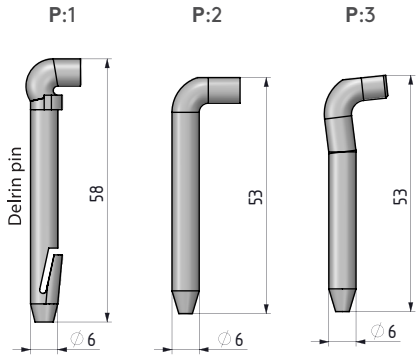


- Corner hinge
- Suitable for steel panels with a thickness of between 1.0 mm and 2.2 mm
- Hinge pin available in three types

MATERIAL
FIXED, MOVABLE PARTS: Stainless Steel
PIN: Stainless steel or Poliasetal (Delrin)



Hinge Rotation Angle
0 180°



Group Code	Material	Finish	Pin	Version
097	4	0	P	V

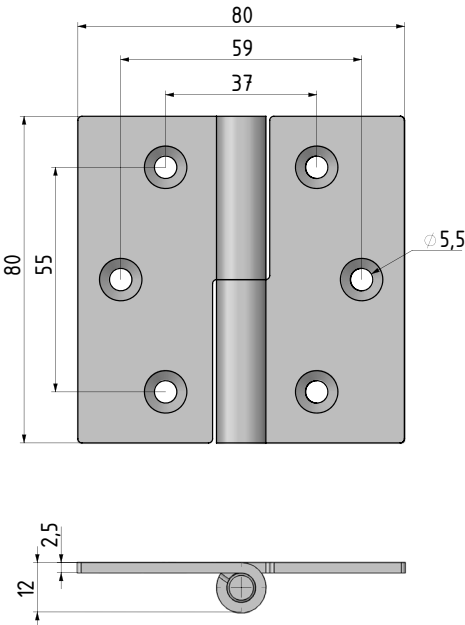
For other materials please check:
page 336



STAINLESS STEEL PRODUCTS

LIFT-OFF HINGE

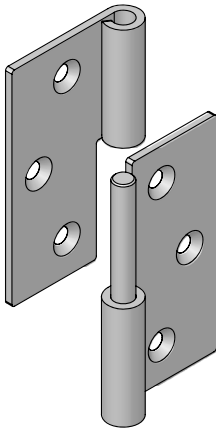
4299



- Designed for plain/flush-mounted doors
- Suitable for left- and right-hand applications

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

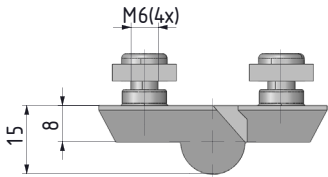
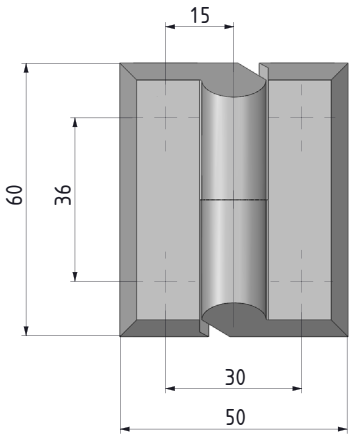
Hinge Rotation Angle



For other materials please check:
page 372

Group Code	Material	Finish	Door Direction
4299	4	0	

DOOR DIRECTION	
Right hand	001
Left hand	002



3599

LIFT-OFF HINGE



- Concealed mounting screws prevent external access to hinge
- Designed for plain/flush-mounted doors
- Suitable for left- and right-hand applications

MATERIAL
BODY: Stainless Steel (AISI 316)
PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



Group Code	Material	Finish	Door Direction
3599	4	0	

DOOR DIRECTION	
Right hand	001
Left hand	002



STAINLESS STEEL PRODUCTS

LIFT-OFF HINGE

1293

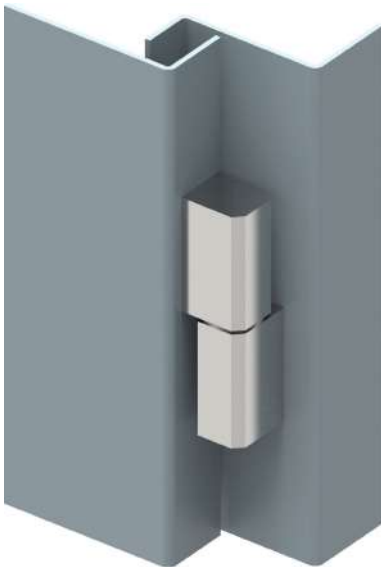
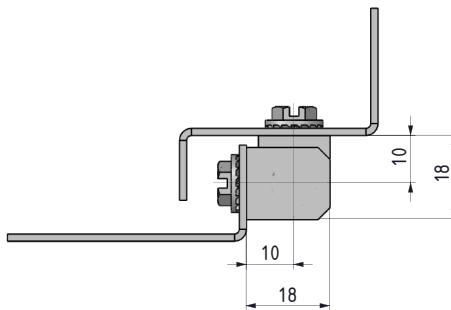
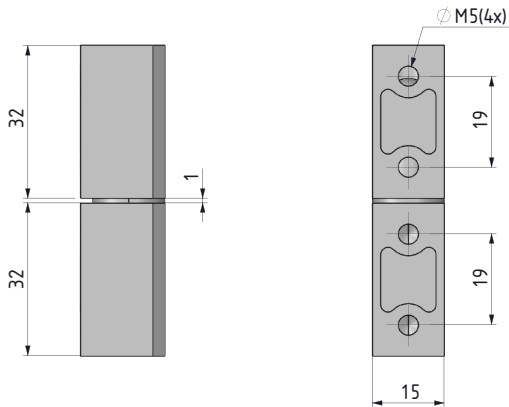


- Lift-off hinge
- Suitable for left- and right-hand applications
- Maximum hinge rotation 180°

MATERIAL

BODY: Stainless Steel (AISI 304)

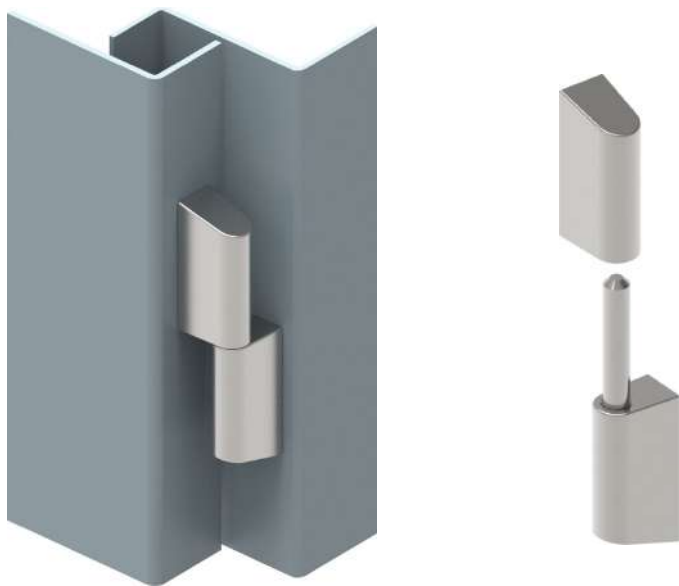
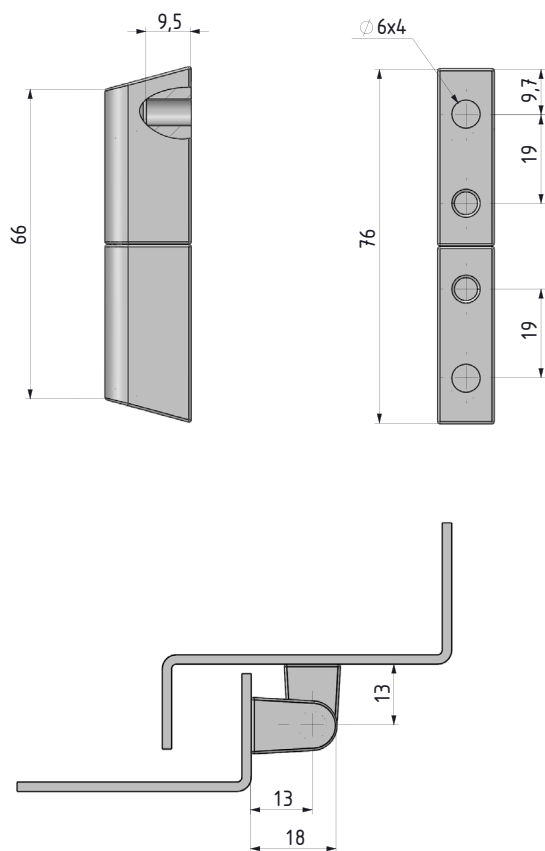
PIN: Stainless Steel (AISI 303)



 **Note:** Bolts are supplied

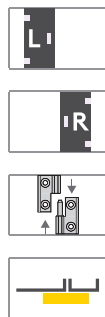
Group Code	Material	Finish	Door Direction
1293	4	0	

DOOR DIRECTION	
Right hand	001 
Left hand	002 



1393 LIFT-OFF HINGE

NEW



- Lift-off hinge
- Suitable for left- and right-hand applications
- Maximum hinge rotation 180°w

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

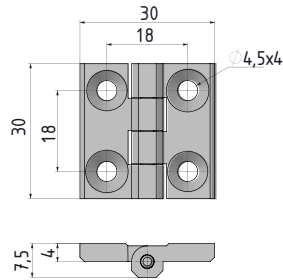
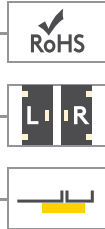
Group Code	Material	Finish	Door Direction
1393	4	0	

DOOR DIRECTION	
Right hand	001 
Left hand	002 

STAINLESS STEEL PRODUCTS

MINI LEAF HINGE

1299



- Generally used for plain/small flush mounted doors.
- Opening angle is 270°

MATERIAL

Stainless Steel (AISI 316)

Group Code	Material	Finish
1299	4	0

FLAT HINGE

600

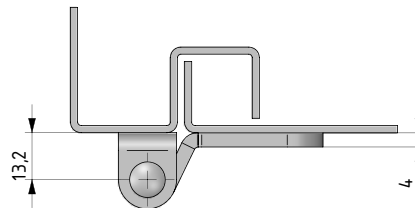
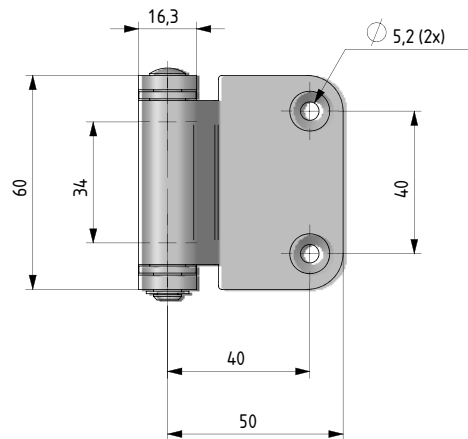


- Designed for plain/flush-mounted doors.

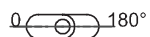
MATERIAL

BODY: Stainless Steel (AISI 316)

PIN: Stainless Steel (AISI 303)

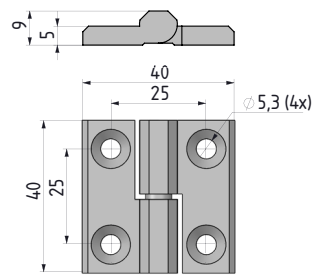


Hinge Rotation Angle

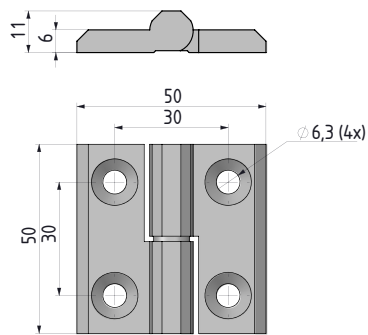
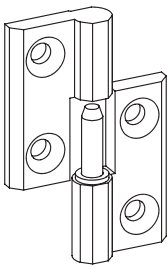


Group Code	Material	Finish	Height	Version
600	4	0	00	3

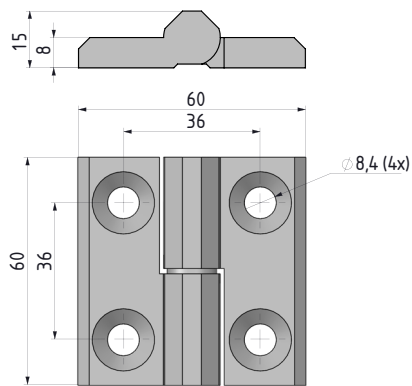
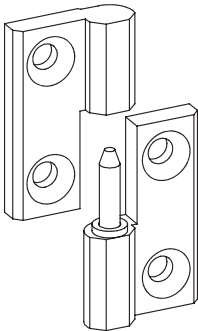
LIFT-OFF HINGE



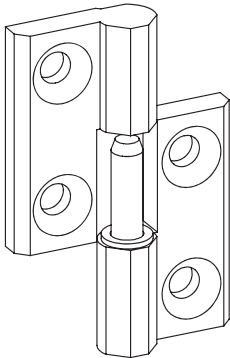
GROUP CODE: 3299



GROUP CODE: 3099



GROUP CODE: 3399



- Lift off hinge
- Suitable for left- and right-hand applications
- Opening angle 270°

MATERIAL
Stainless Steel (AISI 316)

Hinge Rotation Angle



Group Code	Material	Finish	Version	Door Direction
	4	0	1	

DOOR DIRECTION	
Right hand	001
Left hand	002

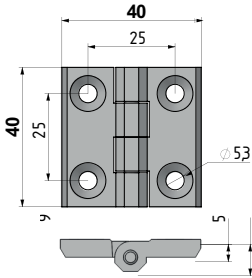
STAINLESS STEEL PRODUCTS

LEAF HINGE

299



V: 3



Group Code	Material	Finish	Version
299	4	0	3

- Generally used for plain/flush mounted doors
- Maximum hinge rotation 270°

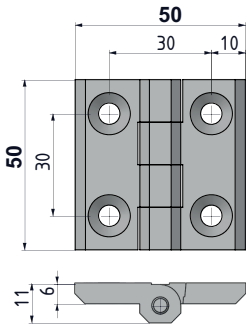
MATERIAL
Stainless Steel (AISI 316)

LEAF HINGE

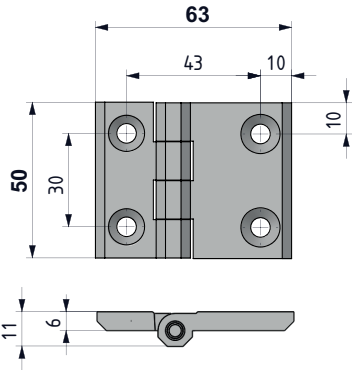
099



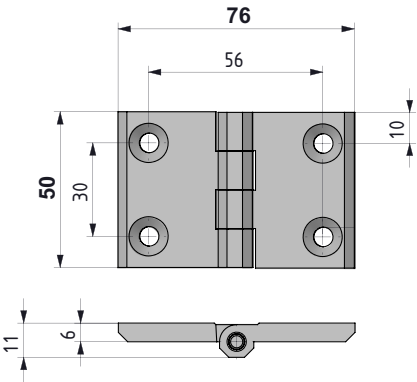
V: 4



V: 7



V: 10



- Generally used for plain/flush mounted doors
- Maximum hinge rotation 270°

MATERIAL
Stainless Steel (AISI 316)

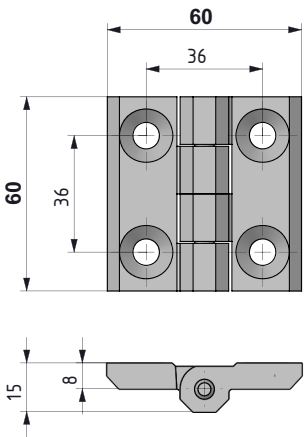
Hinge Rotation Angle



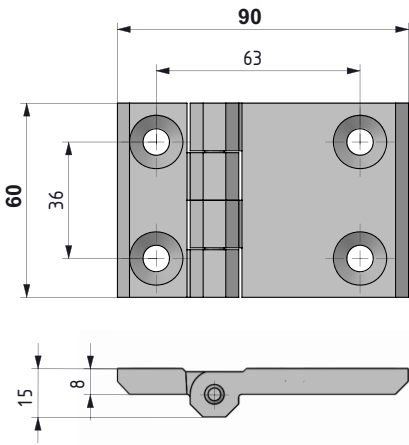
For other materials please check:
page 358-359

Group Code	Material	Finish	Version
099	4	0	V

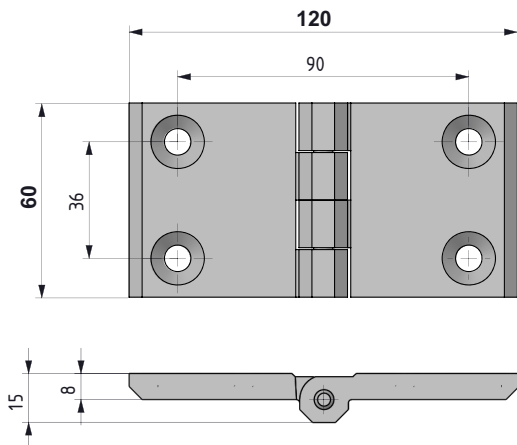
V: 4



V: 5



V: 6



Group Code	Material	Finish	Version
399	4	0	V

399

LEAF HINGE



- Generally used for plain / flush-mounted, isolated heavy doors
- Available in three sizes, hole fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm
- Maximum hinge rotation 270°

MATERIAL
Stainless Steel (AISI 316)

Hinge Rotation Angle



For other materials please check:
page 360

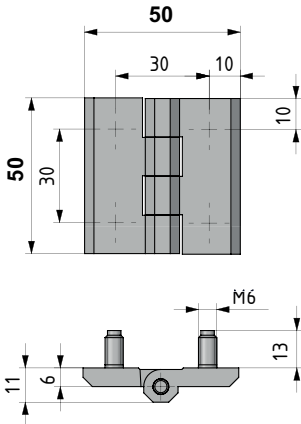


LEAF HINGE

099



V: 1

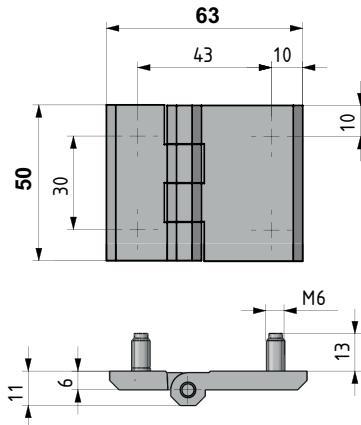


- Generally used for plain/flush mounted doors
- Maximum hinge rotation 270°
- Stud versions fitted with M6 x 12 mm threaded stud

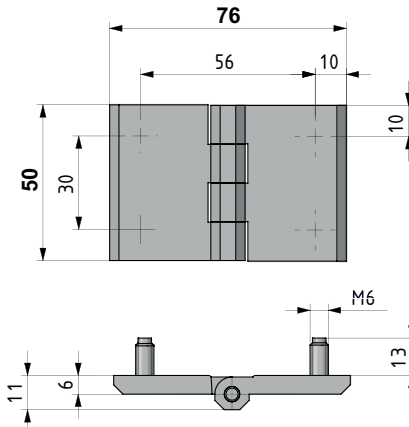
MATERIAL

Stainless Steel (AISI 316)

V: 8



V: 9



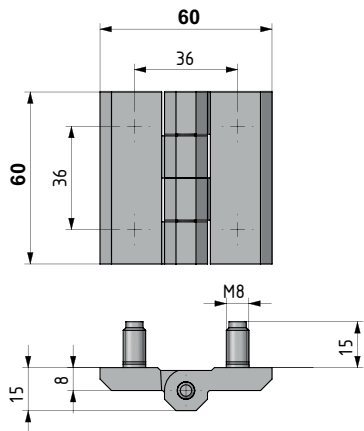
Hinge Rotation Angle



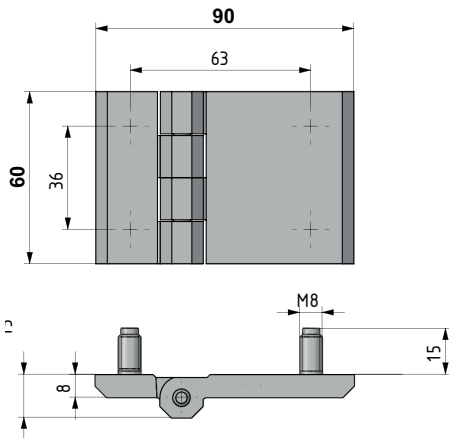
For other materials please check:
page 362

Group Code	Material	Finish	Version
099	4	0	V

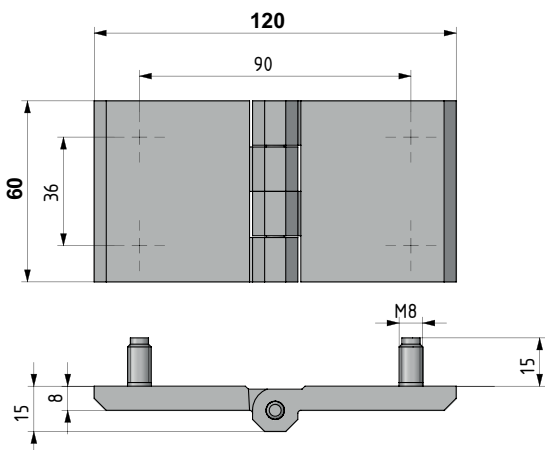
V: 1



V: 2



V: 3



399

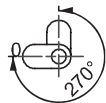
LEAF HINGE



- Generally used for plain/flush-mounted, isolated heavy doors
- Available in three sizes, stud fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm
- Stud versions fitted with M8 x 14 mm threaded stud
- Maximum hinge rotation 270°

MATERIAL
Stainless Steel (AISI 316)

Hinge Rotation Angle



Group Code	Material	Finish	Version
399	4	0	V

For other materials please check: page 365



STAINLESS STEEL PRODUCTS

LEAF HINGE

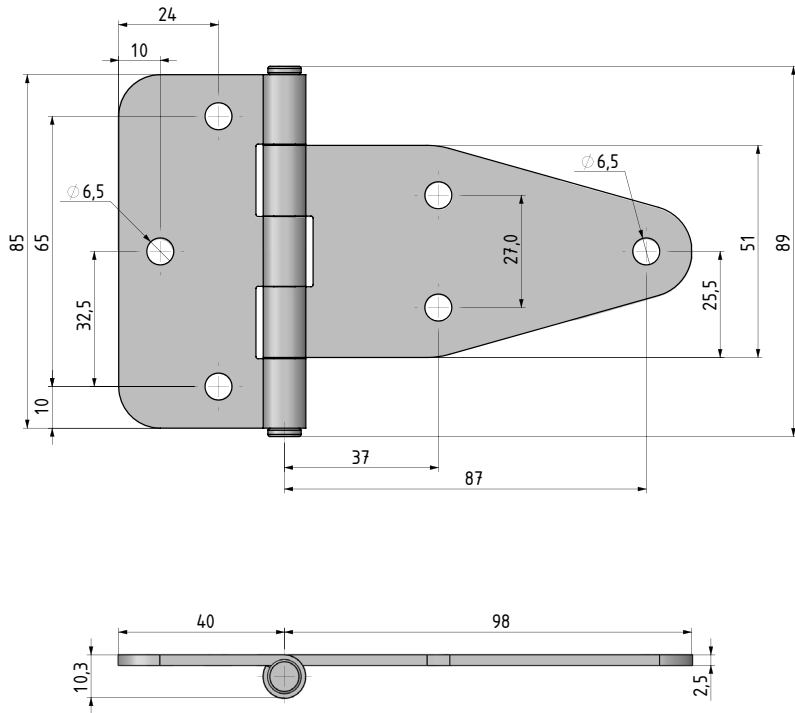
599



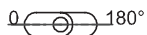
- Generally used for plain/flush-mounted, isolated, heavy doors
- Both parts attached by screws or nuts and bolts
- Hinge Rotation angle 180°

MATERIAL

BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)



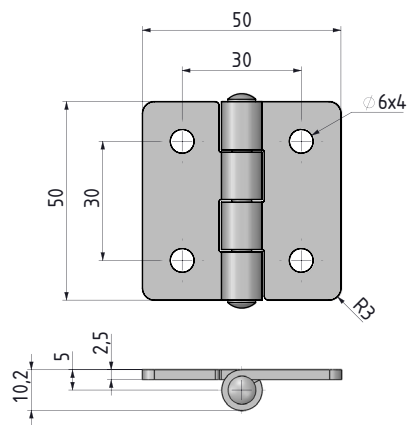
Hinge Rotation Angle



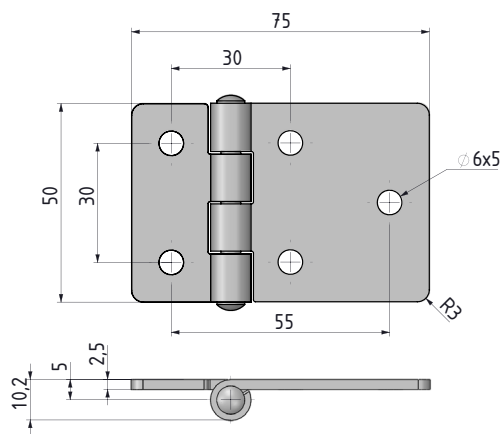
For other materials please check:
page 367

Group Code	Material	Finish
599	4	0

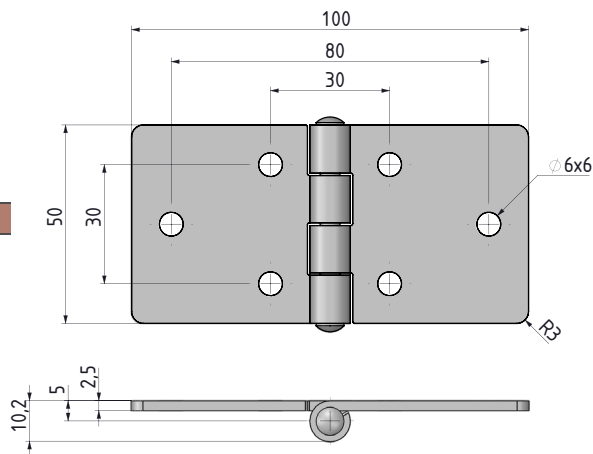
V:1



V:2



V:3



Group Code	Material	Finish	Version
799	4	0	V

799

LEAF HINGE



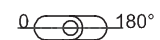
- Generally used for plain/flush-mounted, isolated, heavy doors

MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



For other materials please check: page 370

LEAF HINGE

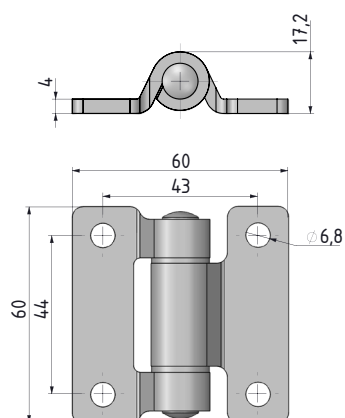
1599



RoHS



V:1

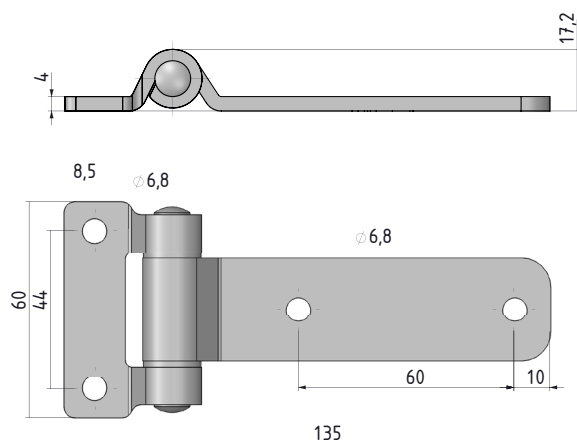


- Generally, used for plain/flush mounted, isolated, heavy doors.
- Both parts are attached by screws or nuts and bolts
- Hinge Rotation angle is 180°

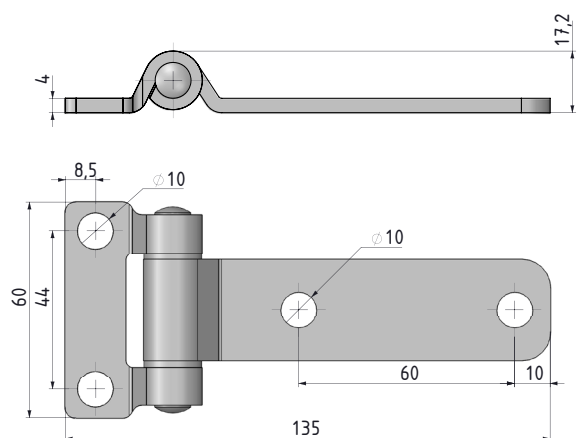
MATERIAL

BODY: Stainless steel (AISI 304)
PIN: Stainless steel (AISI 303)

V:2

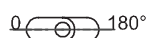


V:3



For other materials please check:
page 368

Hinge Rotation Angle



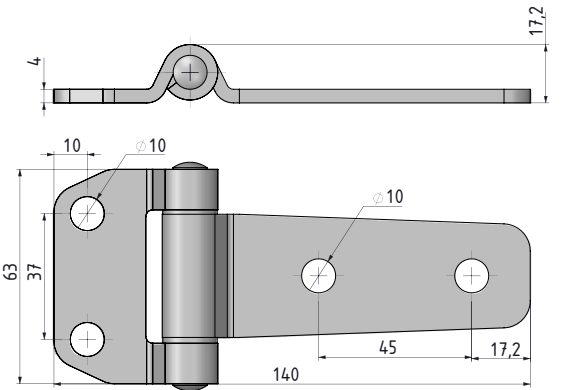
Note: Bolts are not supplied

Group Code	Material	Finish	Version
1599	4	0	V

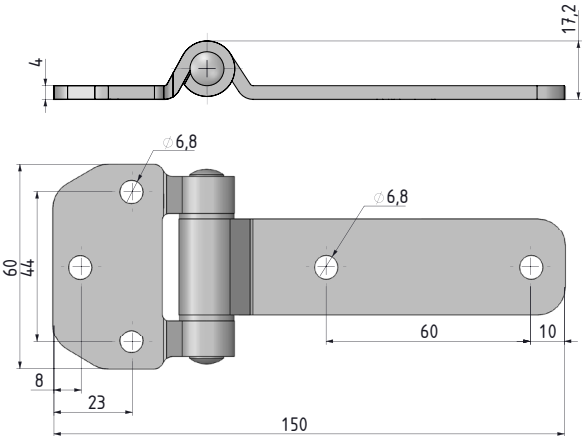
1599

LEAF HINGE

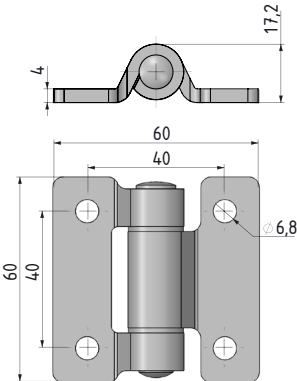
V: 4



V: 5



V: 6



- Generally, used for plain/flush mounted, isolated, heavy doors.
- Both parts are attached by screws or nuts and bolts
- Hinge Rotation angle is 180°

MATERIAL
 BODY: Stainless steel (AISI 304)
 PIN: Stainless steel (AISI 303)

For other materials please check: page 369

Hinge Rotation Angle



Note: Bolts are not supplied

Group Code	Material	Finish	Version
1599	4	0	V



STAINLESS STEEL PRODUCTS

LEAF HINGE (Lift-off)

899



- Heavy-duty, lift-off hinge, corrosion resistant
- Suitable for left- and right-hand applications
- Opening angle 180°

MATERIAL

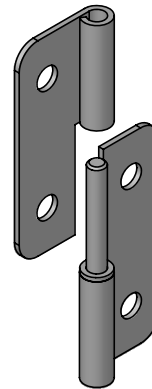
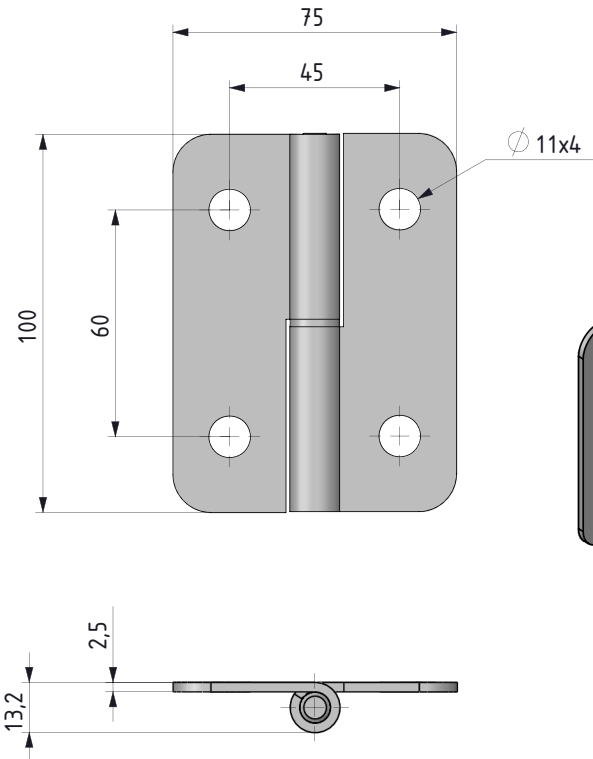
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

For other materials please check:
page 365

Hinge Rotation Angle

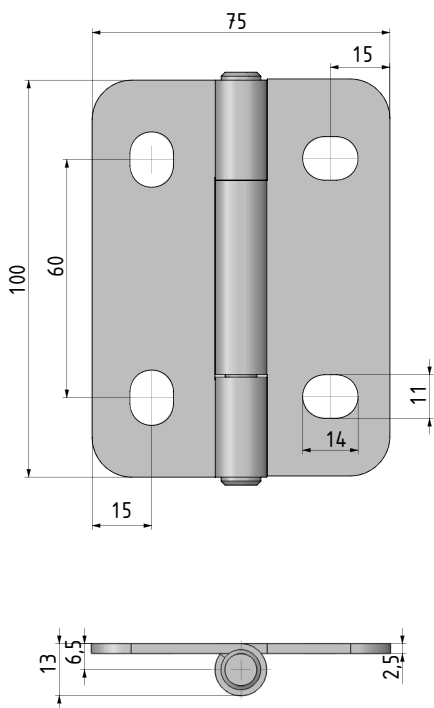


Note: Bolts are not supplied



FINISH		DOOR DIRECTION	
No finish	0	Right hand	001
Black coated	2	Left hand	002

Group Code	Material	Finish	Door Direction
899	4	F	



Group Code	Material	Finish
999	4	F

FINISH	F
No finish	0
Black coated	2

999

LEAF HINGE



- Generally used for plain/flush-mounted doors
- Suitable for outdoor applications
- Opening angle 270°
- Body made of stainless steel

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

Hinge Rotation Angle



Note: Bolts are not supplied



STAINLESS STEEL PRODUCTS

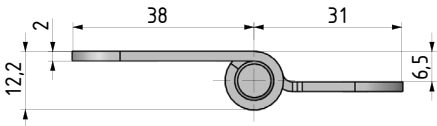
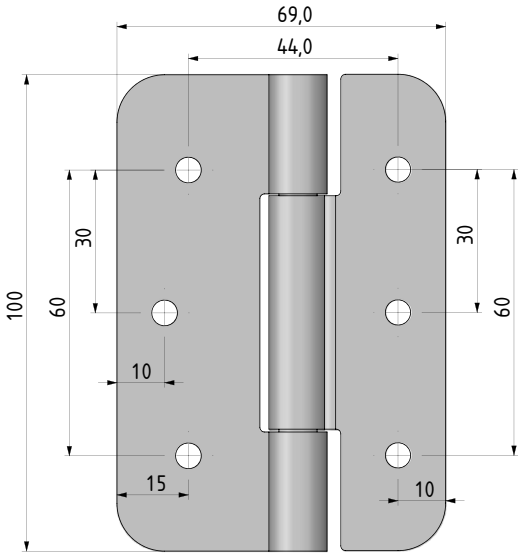
LEAF HINGE

2999



- Generally used for plain/flush-mounted, isolated, heavy doors

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)



Hinge Rotation Angle

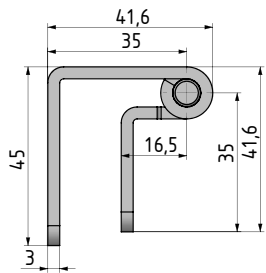
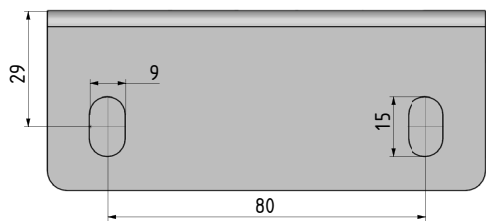
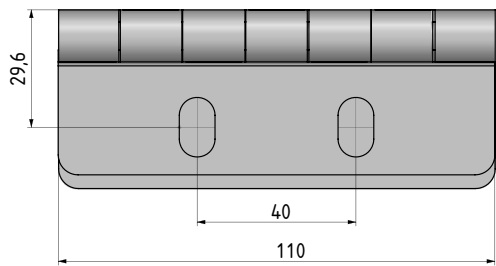


Note: Bolts are not supplied

Group Code	Material	Finish
2999	4	0

2890

CONCEALED HINGE



- Suitable for outdoor applications
- Heavy-duty hinge

MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)

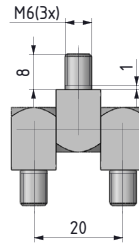


Group Code	Material	Finish
2890	4	0

STAINLESS STEEL PRODUCTS

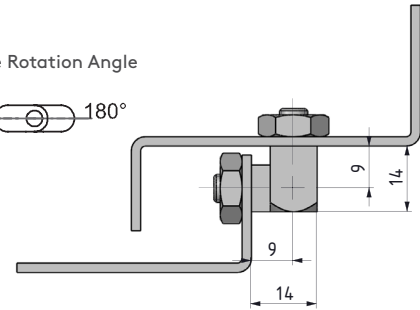
SIDE HINGE (10 mm)

090



Hinge Rotation Angle

0 180°



- Side mounted hinge
- Three 10 mm Stainless steel parts supplied separately
- For different dimensions contact Essentra

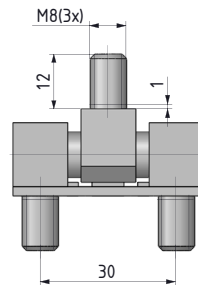
MATERIAL

Stainless Steel (AISI 303/304)

Group Code	Material	Finish
090	4	0

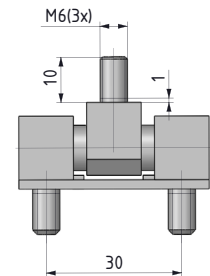
SIDE HINGE (12 mm)

092



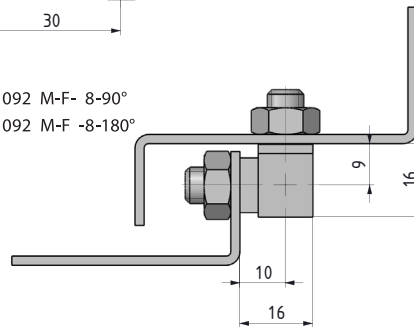
Hinge Rotation Angle

0 90° 180°



M8 → 092 M-F- 8-90°
092 M-F -8-180°

M6 → 092 M-F- 6-90°
092 M-F- 6-180°



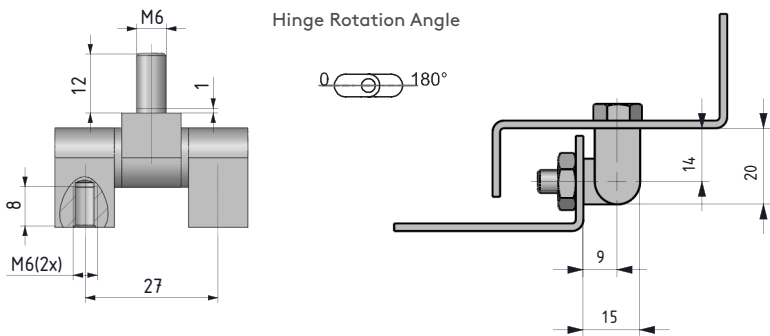
- Side mounted hinge
- 12 mm parts and stainless steel bearings
- Parts are assembled by fixing plate
- For different dimensions, please contact Essentra
- 90° and 180° angle versions are available

MATERIAL

Stainless Steel (AISI 303/304)

Group Code	Material	Finish
092	4	0

For other materials please check:
page 288



Group Code	Material	Finish
192	4	0

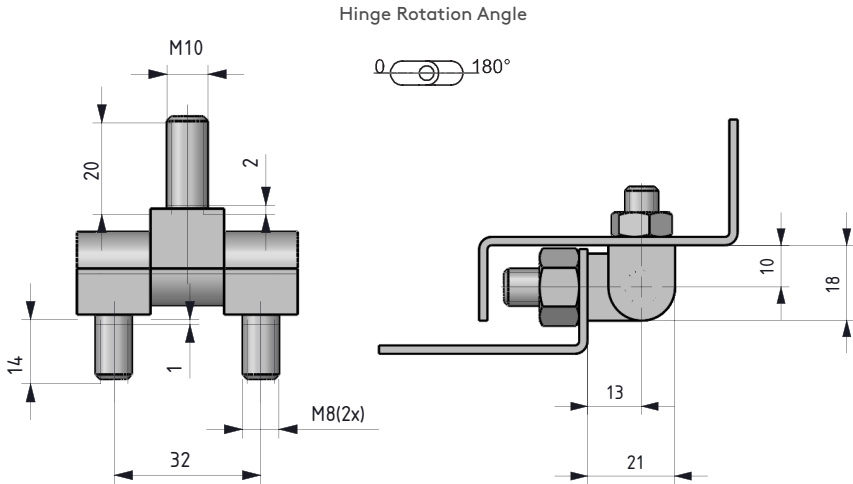
192

SIDE HINGE (12 mm)



- Side-mounted hinge
- 12 mm parts and bearings made of stainless steel
- Parts are tightly fitted

MATERIAL
Stainless Steel (AISI 303/304)



Group Code	Material	Finish
193	4	0

193

SIDE HINGE (16 mm)



- Side-mounted hinge
- 16 mm parts made of stainless steel
- Parts are tightly fitted.

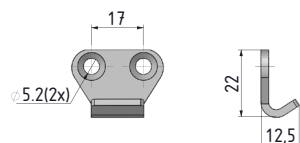
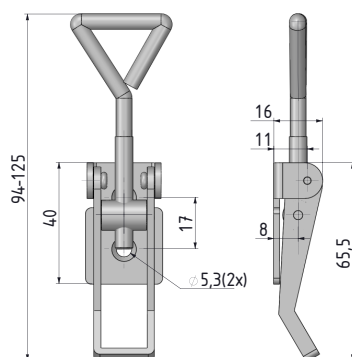
MATERIAL
Stainless Steel (AISI 303/304)

For other materials please check:
page 289

STAINLESS STEEL PRODUCTS

TOGGLE LATCH

340.00.134



Catch plate

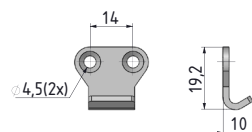
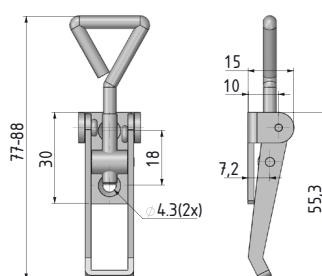
- Used for: tool boxes, cabinets, ships, agriculture and material equipments

MATERIAL

Stainless Steel (AISI 304)

TOGGLE LATCH

340.00.132



Catch plate

- Used for: tool boxes, cabinets, ships, agriculture and material equipments

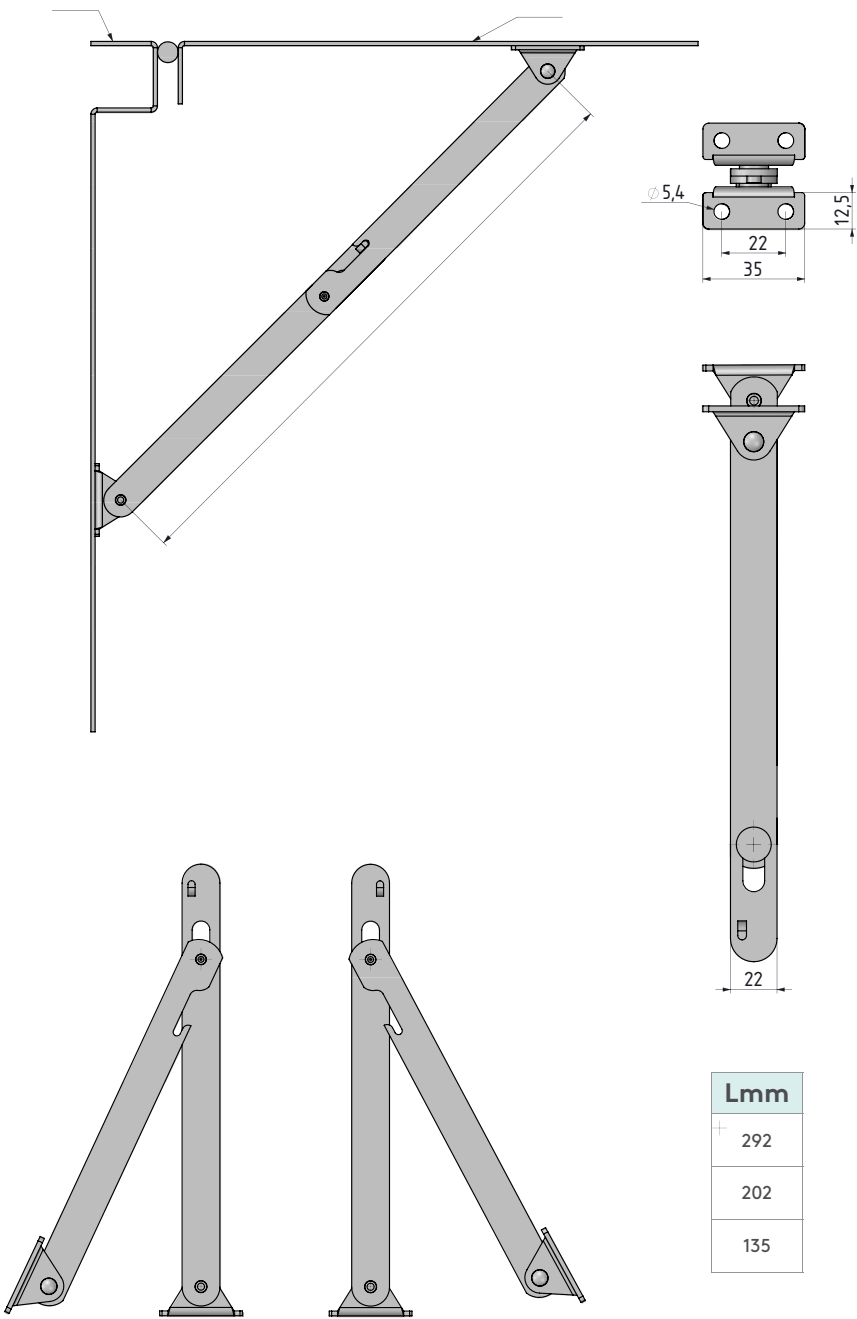
MATERIAL

Stainless Steel (AISI 304)

For other materials please check:
page 436

279

COVER STAY



- Suitable for heavy-duty applications
- Manufactured using 4 mm thick steel

MATERIAL
Stainless Steel (AISI 304)

Lmm
292
202
135

Group Code	Material	Finish	Length	Door Direction
279	4	0	L	

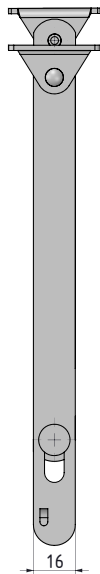
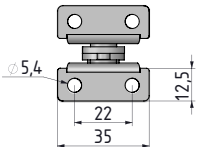
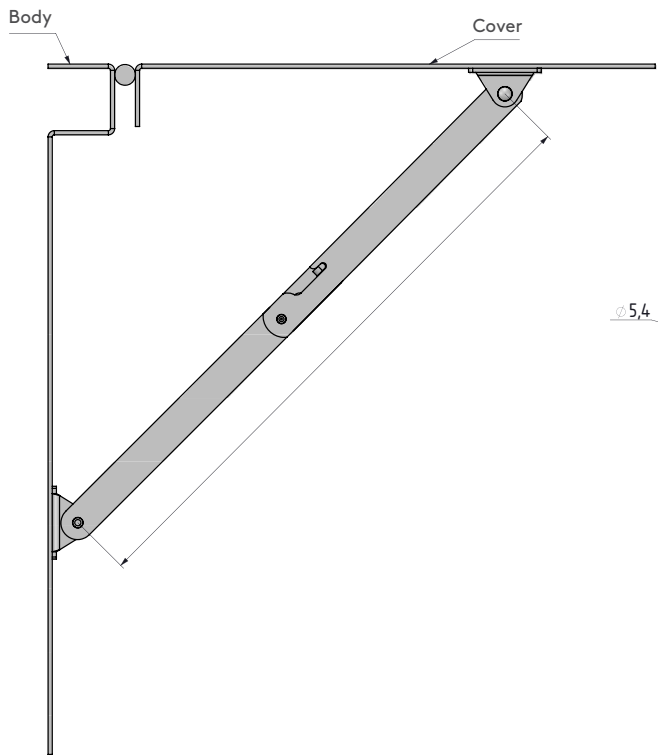
DOOR DIRECTION	
Right hand	001 
Left hand	 002

For other materials please check:
page 443



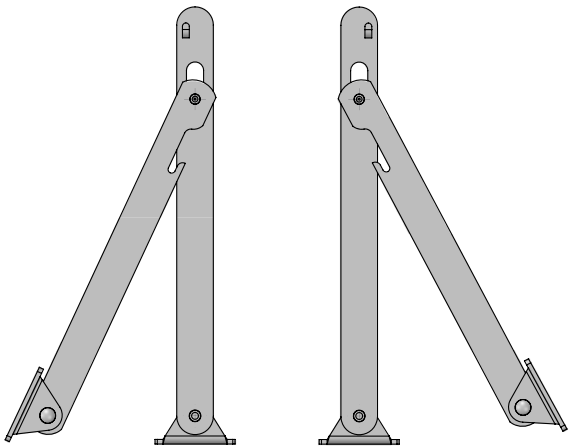
COVER STAY

079



LEFT

RIGHT



Lmm
292
202
135

MATERIAL
Stainless Steel (AISI 304)

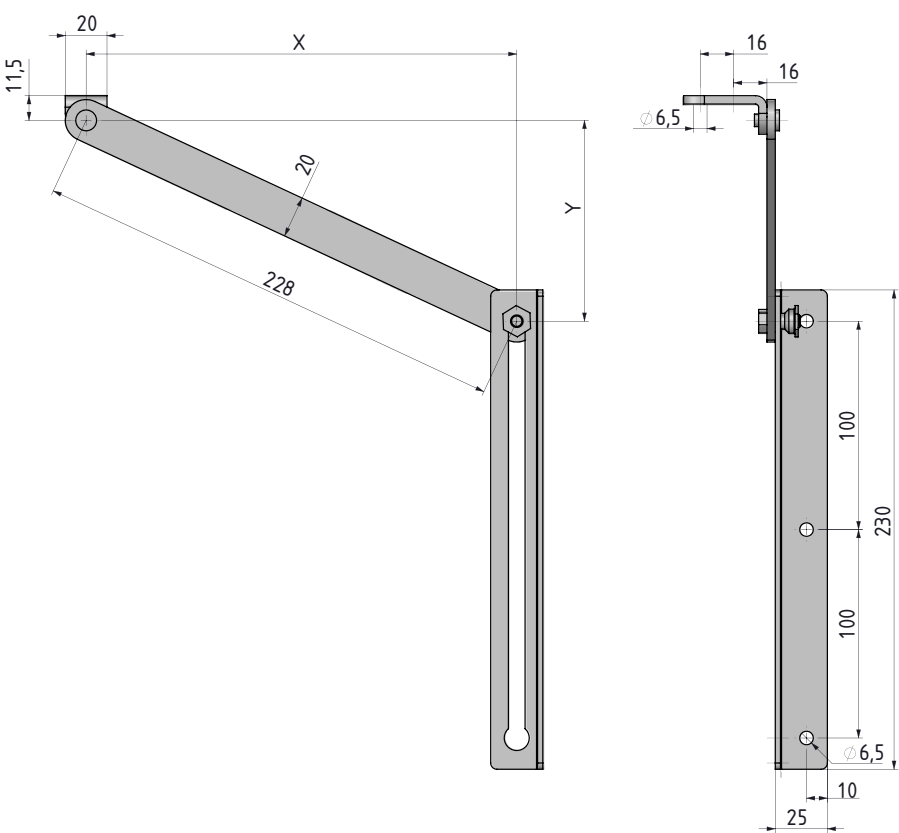
For other materials please check:
page 442

Group Code	Material	Finish	Length	Door Direction
079	4	0	L	

DOOR DIRECTION	
Right hand	001
Left hand	002

179

COVER STAY



- Cover Stay with automatic lock to keep the door open
- suitable for left- and right-hand application

MATERIAL
Stainless Steel (AISI 304)

Installation dimensions

OPENING ANGLE	DIMENSIONS		MINIMAL DOOR WIDTH
	X	Y	
90°	140	180	405
105°	120	166	390
120°	110	150	375
135°	100	146	370

For other configurations:
 $y = X + \text{min.} 40$

Group Code	Material	Finish
179	4	0

For other materials please check:
page 444



522



524



525-526



527



528-529



530-531



532-533



534-535



536



537



538



539



540



541



542



543



544



545



546



547



ELECTRONIC LOCKING SYSTEM

518-547



MONITORING & ACCESS CONTROL CONCEPT

The security of IT cabinets in server rooms and data centres is becoming more important worldwide. The reason is that a typical IT infrastructure supports the entire organization and stores the know how of the company.

We have developed an integrated access control system called ELS.

This new system enables you to monitor and control your IT environment in a very efficient way. Sensors detect door access, variations in temperature, security and other variables to give you immediate notification and greater control over your network, all at a great value. Cabinet doors can be opened by RFID cards, a key pad or remote control units.

This solution manages who can open which cabinet doors and when and allows you to get a detailed report for each cabinet.

Basic features

- Provides environmental monitoring, access control and a management system
- Prevents unauthorized access
- Allows doors to be opened using a proximity card, keypad or via a web interface
- Accommodates sensors to monitor temperature, humidity, smoke, the presence of water or liquids, etc.
- Automatically generates an audio alert
- Records all the security information you need every time the door to a server cabinet is opened – whom, where, when



Applications

- Server cabinets • Data centres • Electric panels • Telecommunications • Kiosks • GSM Cabinets



SYSTEM OVERVIEW

- IP monitoring of environmental conditions in the rack cabinet
- Control of physical access to the rack cabinet
- User interface via proximity card reader or keypad
- Electronic lock access authorisation

Monitoring and Access Control Units



Management Software

Standalone Access Interfaces



S-AIK : Access Interface Keypad
S-AIP : Access Interface Proximity

- ACU : Access Control Unit
ACU Plus : Access Control Unit
AIK : Access Interface Keypad
AIP : Access Interface Proximity

Other Electromechanical Locks



Electronic Swinghandles



ELECTRONIC LOCKING SYSTEM

ACU ACCESS CONTROL UNIT

3402



The ACU is an intelligent device for controlling electronic locks and monitoring door status.

- Control of physical access to the rack cabinet
- Monitors and manage security conditions over IP
- User database
- Management software for monitoring and configuring the unit
- A sensor for detecting the state of the door (open/closed) can be connected
- Up to 16 AIs (3414 and 3415) can be connected to ACU.

MANAGEMENT SOFTWARE

- Configure network settings (IP address, subnet mask, default gateway, DNS, etc.) and user-administrative settings
- Add and remove users
- View and delete the logs

APPLICATIONS

Suitable for data centres, co-location centres, web hosting facilities, telecom racks or any unmanned area/site that needs to be monitored



- 1 ▶ LED indicator
- 2 ▶ USB 2.0
- 3 ▶ Ethernet port 10/100
- 4 ▶ Power input (12VDC 3A)
- 5 ▶ 18 x access interface inputs
- 6 ▶ 2 x lock outputs
- 7 ▶ 2 x dry contact inputs

Dry Contact Inputs

- Dry contact inputs to monitor changes in the environment
- Inputs can be used as sensor input for detecting the state of the door (open/closed)

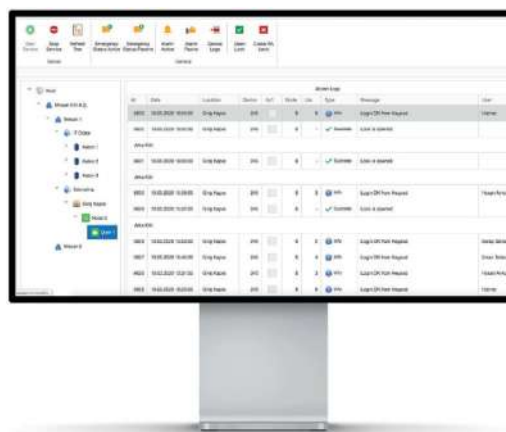
Access Interfaces

- 2 x access interface inputs allow access by entering a code number or presenting a proximity card.
- Possible to connect 3414 - AIK and 3415 - AIP devices.

Lock Outputs

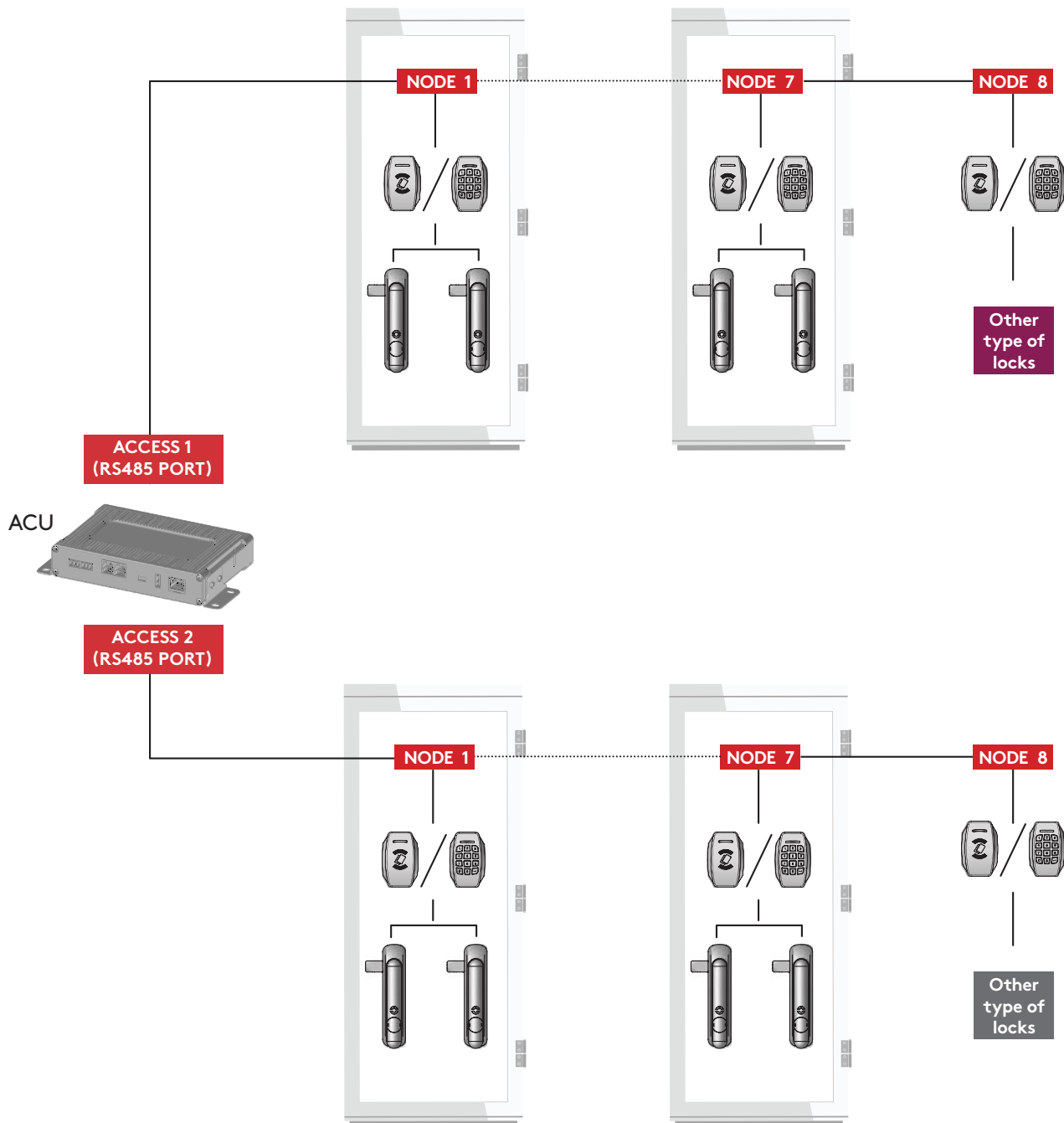
- 2 x lock outputs to control physical access to the cabinet
- Possible to connect wide range of locks.

MANAGEMENT SOFTWARE



- User friendly interface
- Support SMS and email notifications
- Monitor all door and handle status in one screen
- Control all connected swinghandle from remote
- MS SQL database
- Easy configuration with ELS Configuration Software

SYSTEM OVERVIEW



- Up to 18 access interfaces can be connected to access control unit.
- Up to 32 swinghandle can be controlled by one access control unit.
- Two access interfaces are reserved for use of different type of locks (Node 8).

ACU PLUS ACCESS CONTROL UNIT



The ACU Plus is an intelligent device for monitoring environmental variations, such as temperature, humidity, smoke, presence of water or liquids, etc. and controlling electronic locks and monitoring door status.

- Control of physical access to the rack cabinet
- Monitors and manage environmental and security conditions over IP
- Alerts are sent using email when any monitored environmental condition exceeds a user-specified range
- User database
- Management software for monitoring and configuring the unit
- A sensor for detecting the state of the door (open/closed) can be connected
- Up to 18 AIs (3414 and 3415) can be connected to ACU Plus.

MANAGEMENT SOFTWARE

- Configure sensor thresholds, set automatic operation and alarm rules
- Monitor current sensor values and alarm status
- Configure network settings (IP address, subnet mask, default gateway, DNS, etc.) and user-administrative settings
- Add and remove users
- View and delete the logs

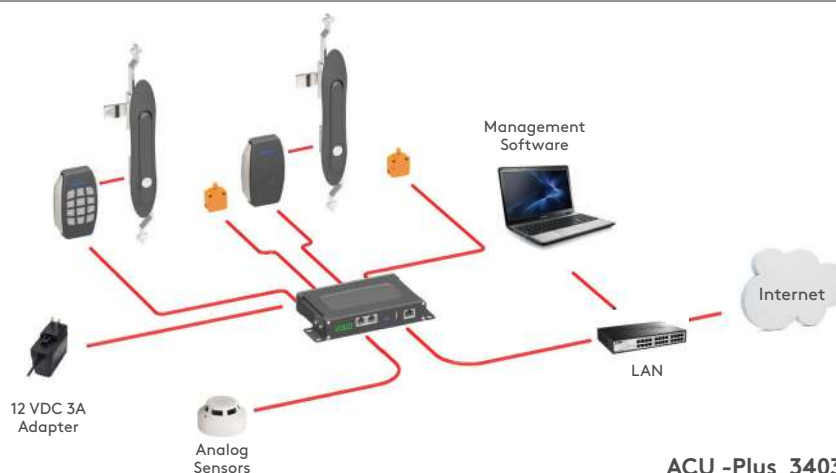
APPLICATIONS

Suitable for data centres, co-location centres, web hosting facilities, telecom racks or any unmanned area/site that needs to be monitored

3403



- | | |
|-----------------------------|----------------------------------|
| 1 ▶ Dry contact output (2A) | 6 ▶ Ethernet port 10/100 |
| 2 ▶ 4 x dry contact inputs | 7 ▶ Power input (12VDC 3A) |
| 3 ▶ 2 x analog sensors | 8 ▶ 18 x access interface inputs |
| 4 ▶ LED indicator | 9 ▶ 2 x lock outputs |
| 5 ▶ USB 2.0 | |



ACU -Plus 3403
System Overview

Dry Contact Output

- Dry contact outputs to control, switch on/off external low power devices.
- Output can be used as a NO (Normally Open) or NC (Normally Closed).

Dry Contact Inputs

- Dry contact inputs to monitor changes in the environment.
- Inputs can be used as sensor input for detecting the state of the door (open/closed)

Analog Sensors

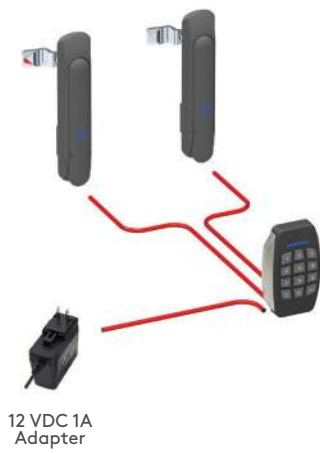
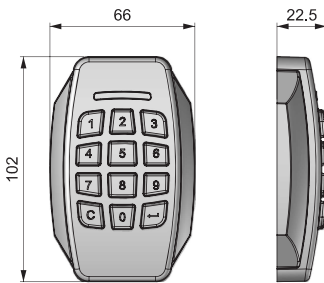
- 2 x analog sensors outputs to monitor environmental conditions.
- All types of Essentra analog sensors can be connected.

Access Interfaces

- 2 x access interface inputs allow access by entering a code number or presenting a proximity card.
- Possible to connect 3414 - AIK and 3415 - AIP devices.

Lock Outputs

- 2 x lock outputs to control physical access to the cabinet.
- Possible to connect wide range of locks.

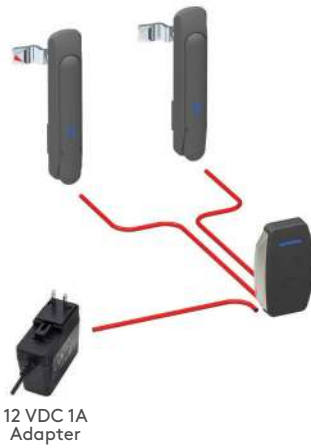
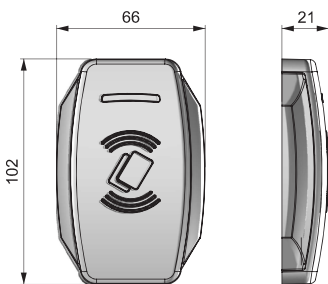


12 VDC 1A Adapter

STATUS INDICATORS		
Signal 1		Ready
Signal2		Error
Signal 3		Ok
Signal 3		Menu

Access interfaces are user-interface devices that allow access by entering a code number or presenting a proximity card.

Beep tones and LEDs on the AI device inform the user about the acceptance or rejection of an operation.



12 VDC 1A Adapter



RFID card: 13.56Mhz MIFARE - Standard ISO14443A

Order separately
Printed: (34002639)
Unprinted: (34002640)

3416

S-AIK STANDALONE
ACCESS INTERFACE KEYPAD



- Two level password (Master and User)
- Two lock outputs to control physical access to the cabinet
- Possible to connect wide range of locks including electronic swinghandles
- 12 Volt DC supply voltage
- Material: ABS Cover and Zamak5 Body
- It can control the locks separately
- Beep tones and LEDs on the AI device inform the user about the acceptance or rejection of an operation.

3417

S-AIP STANDALONE
ACCESS INTERFACE PROXIMTY



- 2 levels Card (RFID tag) management system (Master and User)
- Standard ISO-14443A RFID
- Two lock outputs to control physical access to the cabinet
- Possible to connect wide range of locks including electronic swinghandles
- 12 Volt DC supply voltage
- Material: ABS Cover and Zamak5 Body
- It can control the locks separately
- Beep tones and LEDs on the AI device inform the user about the acceptance or rejection of an operation.

▶ ELECTRONIC LOCKING SYSTEM

AIK ACCESS INTERFACE KEYPAD

3414



Access interfaces are user-interface devices that allow access by entering a code number or presenting a proximity card.

Beep tones and LEDs on the AI device inform the user about the acceptance or rejection of an operation.

AIP ACCESS INTERFACE PROXIMITY

3415

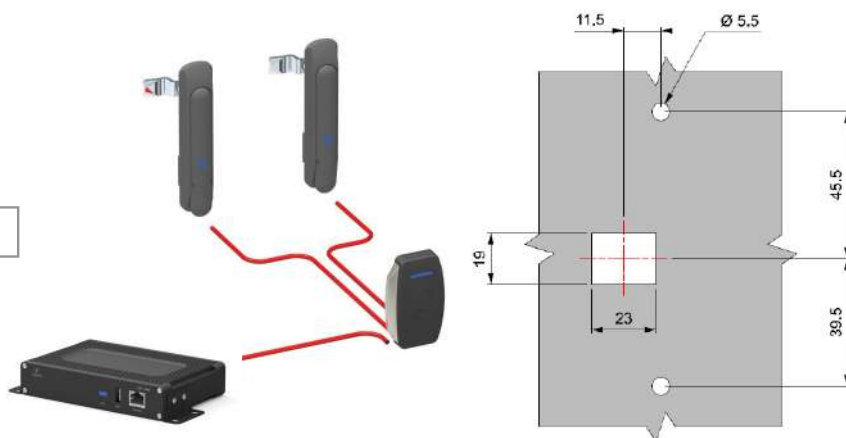


These access interfaces are used with access control units and they can control to swinghandles (ACU Plus - 3403 and ACU - 3402)

RFID card: 13.56Mhz MIFARE - Standard ISO14443A

Order separately

Printed: (34002639) / Unprinted: (34002640)



ACCESSORIES



AC-DC Power Supply
12 Volt DC 3 Amper
(34002625)

- Universal input voltage range.
- Up to 36 W continuous power.
- Interchangeable Ac blades for global use.
- Used with monitoring access control units

Note: 34002625 Europe blade included.
Please contacts Essentra for other blades.



AC-DC Power Supply
12 Volt DC 1 Amper
(34030041)

- Universal input voltage range.
- Up to 12 W continuous power.
- Used with standalone access interfaces.



RS 485 Repeater
(34030063)

- Used to connect access interfaces (AIK - 3414 and AIP - 3415) to each other.



Electronic swinghandle connection cable

CABLE LENGHT	CODE
0,4 meter	34030039
4 meter	34030006
6 meter	34030064

- Used to connect Electronic swing handles to standalone access interfaces
- The same connectors are crimped both ends of the cable.



ACU - AI connection cable
(4 meter)
(34030040)

- Used to connect access interfaces (AIK - 3414 and AIP - 3415) to monitoring and access control units.



ANALOG SENSORS

Sensor is needed for measurement of temperature indoors. Temperature : Min. -50° C - Max.105° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Temperature  34002631
Sensor is needed for measurement of temperature outdoors Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Outdoor Temperature  34002637
Sensor is needed for measurement of relative humidity 10-95% indoors with relative accuracy 5%. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Humidity  34002649
Sensor is needed for measurement of AC 110-240V Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	AC Voltage  34002638
At installation on doors, windows, etc., sensor controls status of door, window: opened, closed. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Access Sensor  34002634
At installation on walls, windows, etc., sensor monitors vibration. Chain connection is possible. Temperature : Min. -10° C - Max.80° C / Temperature : Min. -10° C - Max.80° C	Vibration  34002635
Detector detects smoke indoors. Chain connection is possible. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Smoke  34002632
Sensor is needed for control of movement over an infra-red range. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Motion (PIR)  34002636
When water is in contact with the metal cores, the sensor indicates the emergence of moisture. If sensor is constantly responding to high water levels, replace the sensor with a level sensor. Attention! Metal cores are detectors of water, mount strictly downwards as close as its possible to a floor. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Water Leak  34002633
When water is in contact with detection cable sensor indicates the emergence of moisture. Water detection cable 50 is ordered separately art. SC-WDC! If sensor is constantly responding to high water levels, replace it with a level sensor. Temperature : Min. -10° C - Max.80° C / Humidity : Min. 5% - Max. 95% (Non-Condensing)	Water Leak Cable  34002650

ELECTRONIC SWINGHANDLE

3101

ALL IN METAL



- All metal construction.
- Compatible with access control systems.
- Ability to work mechanically in case of power outage.
- Elegant design.
- Capable to inform door and handle status
- 12 VDC working voltage

MATERIALS

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

High security electronic products to protect your organisation's data

APPLICATIONS:

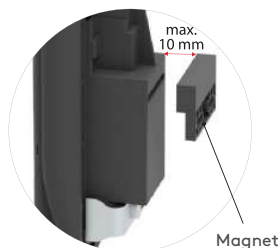
Rack cabinets
Server rooms
Telecommunication
Kiosks
GSM network cabinets

Electrical Specifications:

Operating Voltage: 12 VDC
Operating Temperature: +60/-10 C
Nominal Operating Current:
Standby: 6mA
Lock/Unlock: 75mA
Max. Current: 400mA

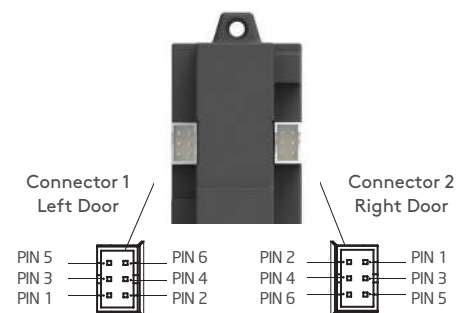
PIN Connections;

PIN 1- GND
PIN 2- +12V
PIN 3- N/A
PIN 4- Door Position Sensor
PIN 5- Control Signal
PIN 6- Handle Position Sensor



Open-close position of door can be monitored. The max distance between the magnet and the lock is 10 mm.

PIN DETAILS



Both connectors have the same function.

Electronic swinghandle connection cable

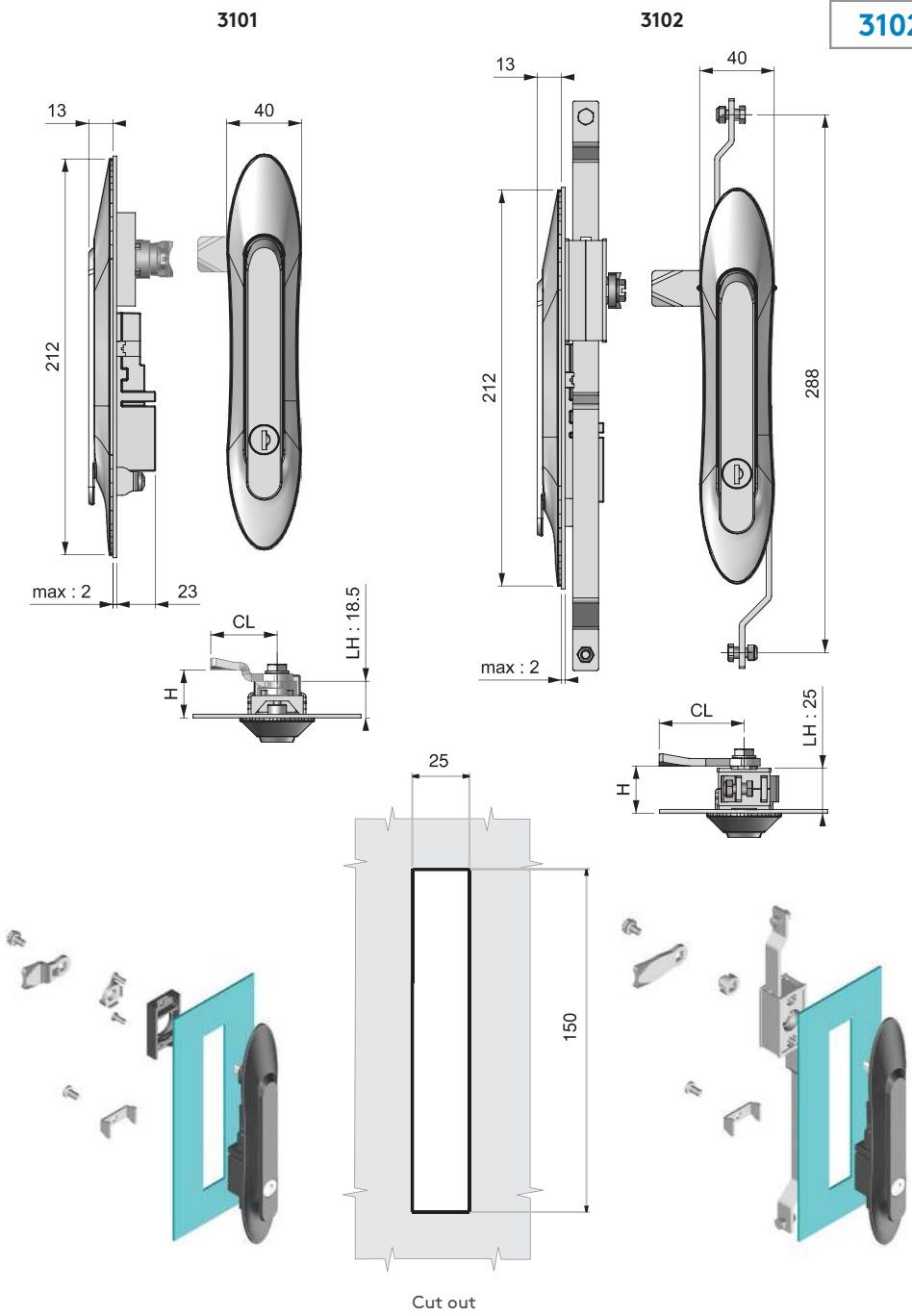


The same connectors are crimped both ends of the cable.

3102

ELECTRONIC SWINGHANDLE

ALL IN METAL



- All metal construction.
- Compatible with access control systems.
- Ability to work mechanically in case of power outage.
- Elegant design.
- Capable to inform door and handle status
- 12 VDC working voltage

MATERIALS

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

SPECIFICATIONS				DD
Stainless steel dust cap (Keyed alike)				40
Stainless steel dust cap (Keyed differ)				32

Group Code	Handle	Body	Cylinder	Cam
	1 2	1 2	DD	CC



For cams and rods, please check
► Page: 170 -178



ELECTRONIC SWINGHANDLE

3103



High security electronic products to protect your organisation's data

APPLICATIONS:

- Rack cabinets
- Server rooms
- Telecommunication
- Kiosks
- GSM network cabinets

Electrical Specifications:

Operating Voltage: 12 VDC
Operating Temperature: +60/-10 C
Nominal Operating Current:
Standby: 6mA
Lock/Unlock: 75mA
Max. Current: 400mA

PIN Connections;

- PIN 1- GND
- PIN 2- +12V
- PIN 3- N/A
- PIN 4- Door Position Sensor
- PIN 5- Control Signal
- PIN 6- Handle Position Sensor

Lock Warning Signs

Signal 1		While opening the lock	LED 1 blinks fast.
Signal 2		While closing the lock	LED 2 blinks fast.
Signal 3		When the lock is open	Both LEDs blink fast.
Signal 4		When the handle is open	Both LEDs not lit
Signal 5		Error	Both LEDs blink slow.
Signal 6		Ready	Both LEDs are lit.

- LED indicators
- Compatible with access control systems.
- Ability to work mechanically in case of power outage.
- Elegant design.
- Capable to inform door and handle status
- 12 VDC working voltage

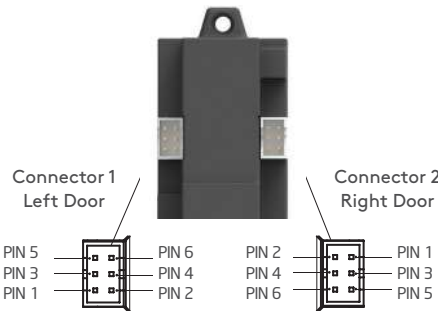
MATERIALS

- BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- CAM: Steel

ELECTRONIC REAR COVER



PIN DETAILS



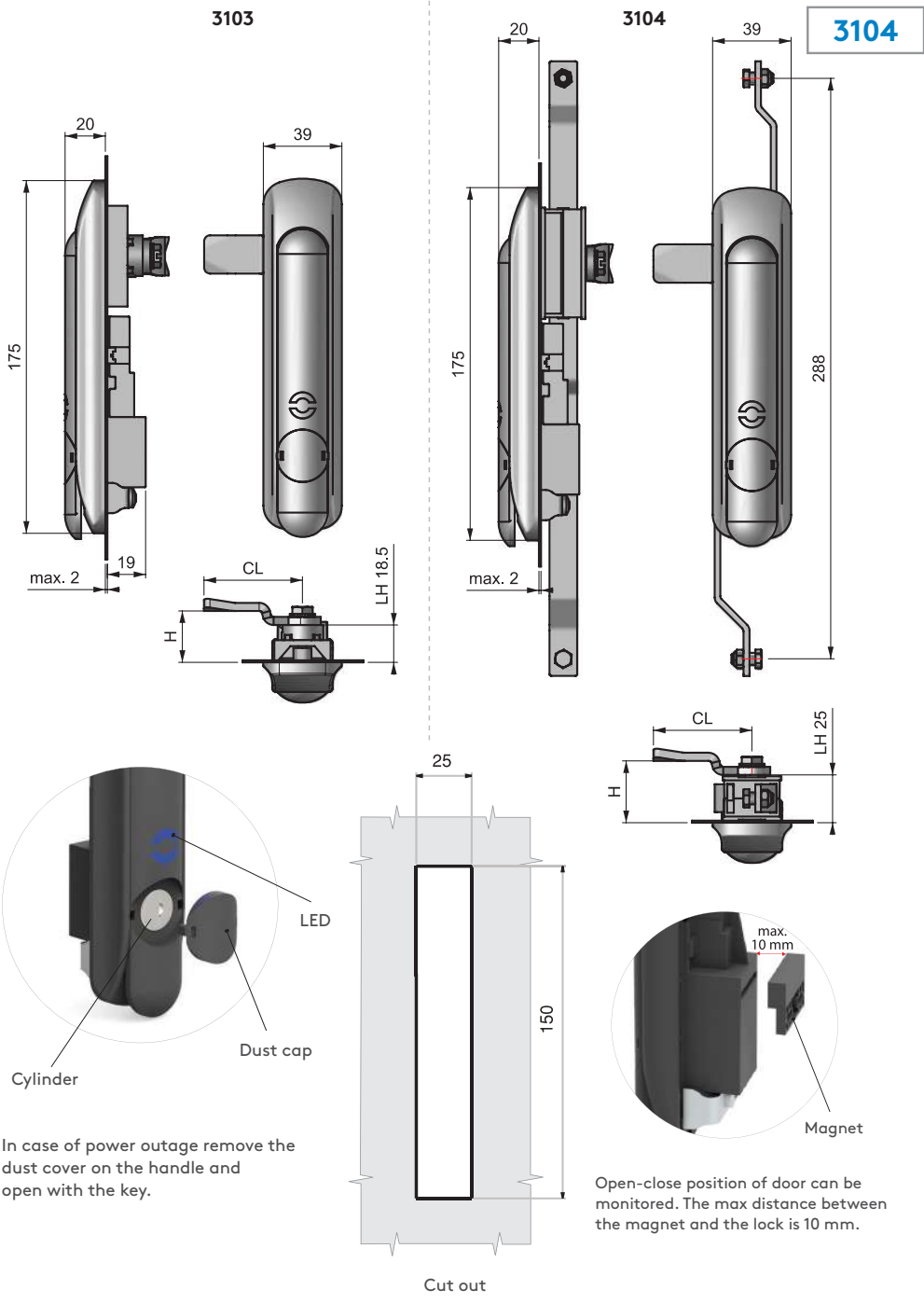
Both connectors have the same function.

Connection Cable



The same connectors are crimped both ends of the cable.





ELECTRONIC SWINGHANDLE



MATERIALS
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
CAM: Steel

SPECIFICATIONS				DD
Stainless steel dust cap (Keyed alike)				40
Stainless steel dust cap (Keyed differ)				32

Group Code	Handle	Body	Cylinder	Cam
	2	0	2	0
			DD	CC



For cams and rods, please check
► Page: 170 -178





ELECTRONIC SWINGHANDLE

3111



High security electronic products to protect your organisation's data

APPLICATIONS:

- Rack cabinets
- Server rooms
- Telecommunication
- Kiosks
- GSM network cabinets

Electrical Specifications:

Operating Voltage: 12 VDC
Operating Temperature: +60/ -10 C
Nominal Operating Current:
Standby: 6mA
Lock/Unlock: 75mA
Max. Curent: 400mA

PIN Connections;

- PIN 1- GND
- PIN 2- +12V
- PIN 3- N/A
- PIN 4- Door Position Sensor
- PIN 5- Control Signal
- PIN 6- Handle Position Sensor

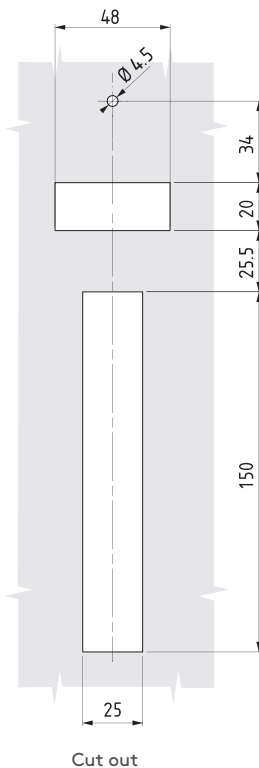
Lock Warning Signs

Signal 1		While opening the lock	LED 1 blinks fast.
Signal 2		While closing the lock	LED 2 blinks fast.
Signal 3		When the lock is open	Both LEDs blink fast.
Signal 4		When the handle is open	Both LEDs not lit
Signal 5		Error	Both LEDs blink slow.
Signal 6		Ready	Both LEDs are lit.

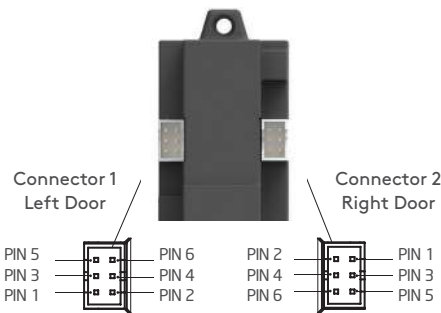
- Integrated RFID reader.
- Ability to work mechanically in case of power outage
- Capable to inform door and handle status
- LED indicators both on lock and reader
- Supports RS 485 protocol for other protocols please contact to Essentra
- Can be control a swinghandle (3101,3102,3103 and 3104) other than itself
- 12 VDC working voltage
- LED indicators

MATERIALS

- BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- CAM: Steel



PIN DETAILS



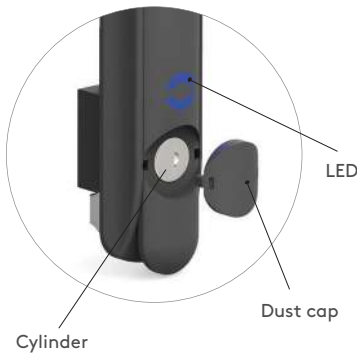
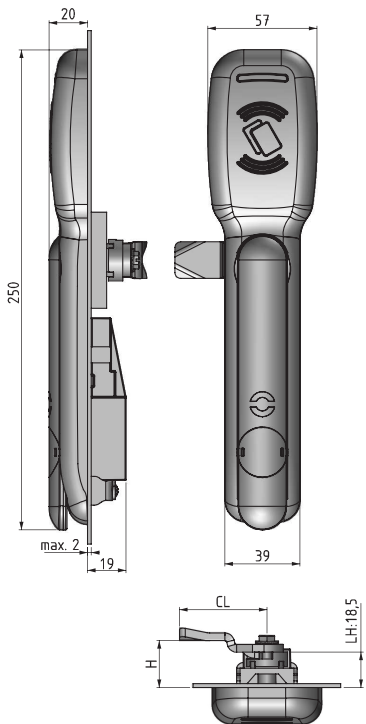
Both connectors have the same function.

Connection Cable



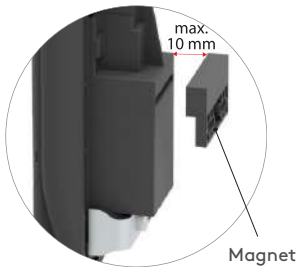
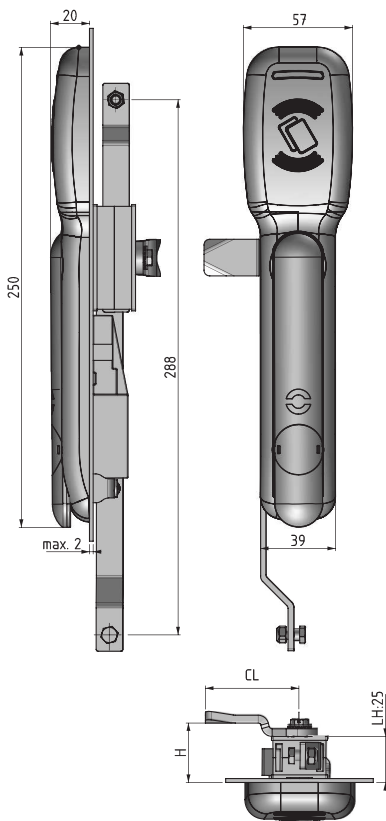
The same connectors are crimped both ends of the cable.

3111



In case of power outage remove the dust cover on the handle and open with the key.

3112



Open-close position of door can be monitored. The max distance between the magnet and the lock is 10 mm.

3112

ELECTRONIC SWINGHANDLE



MATERIALS

- BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

SPECIFICATIONS

DD
Stainless steel dust cap (Keyed alike)
40
Stainless steel dust cap (Keyed differ)
32

Group Code	Handle	Body	Cylinder	Cam
	2	0	2	0
			DD	CC



For cams and rods, please check
► Page: 170 -178

ELECTRONIC SWINGHANDLE

3105



High security electronic products to protect your organisation's data

APPLICATIONS:

Outdoor cabinets
Telecommunication
Kiosks
ATMs
Electrical enclosures



- Compatible with access control systems.
- All metal construction
- Special geometry provides anti-vandalism safety
- Improved corrosion resistance
- Suitable to DIN V ENV 1630: 1999-04/WK2 test
- Double o-ring used for handle provides improved IP rating
- High-security cylinder alternative
- Better IP rating with moving dust cap

MATERIALS

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
GASKET: Polyurethane
COVER: Zamak DIN-EN 1774-ZnAl4Cu1

Standard Application



Electromechanical Application



Simply changing the cover assembly is enough to switch from standard to electromechanical application

Lock operating principle

Electronical and mechanical



Electronic access options, remote control, card reader, etc., activate the lock. It is then ready to be opened by the mechanical key

Technical specifications:

- Voltage: 48 VDC
- Current 500 mA
- High temperature resistance: 150 °C



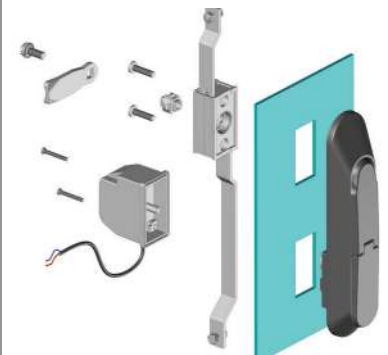
Note: Remote control should be ordered separately

3106



- | | |
|------------|-------------------------------|
| BODY: | Zamak DIN-EN
1774-ZnAl4Cu1 |
| MECHANISM: | Zamak DIN-EN
1774-ZnAl4Cu1 |
| GASKET: | Polyurethane |
| COVER: | Zamak DIN-EN
1774-ZnAl4Cu1 |

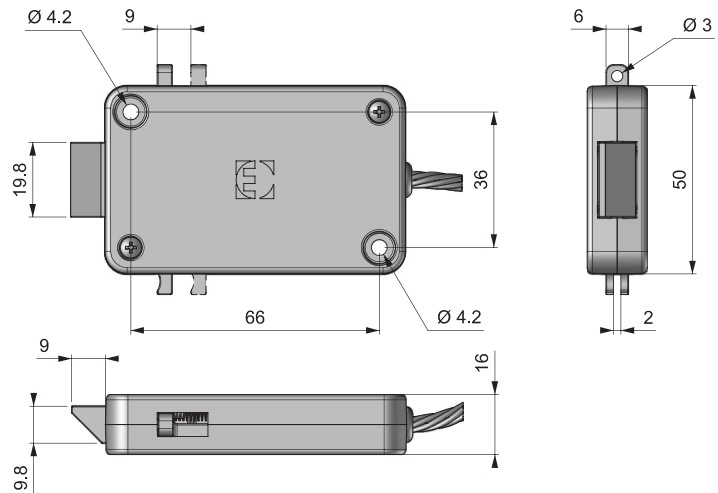
HIGH SECURITY CYLINDER	
Zamak cylinder 	
Keyed alike	Keyed differ
22	23





ELECTRONIC KEEPER

3341



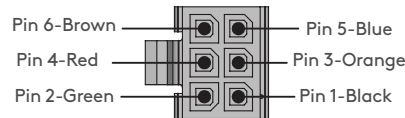
- Push to Close
- 12 Volt DC supply voltage
- Two different mechanical override option
- Auto locking
- Internal microswitch
- Microprocessor controlled gear motor
- Compatible with access control systems

MATERIALS

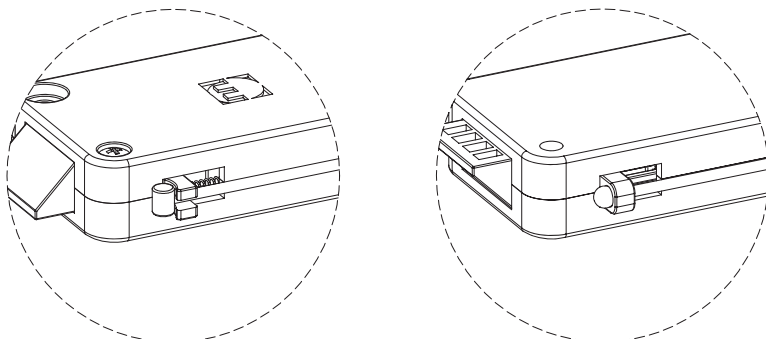
BODY: Plastic
CAM: Zamak 5

TECHNICAL SPECIFICATIONS

Cable Length : 180 mm
Operating Voltage : 12 Volt
Current : Max. 500 mA
Stroke : 9 mm



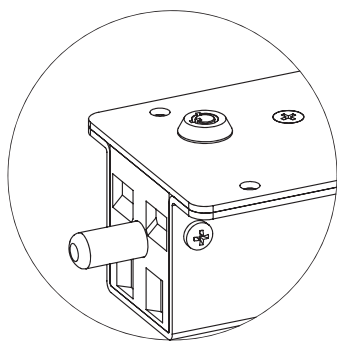
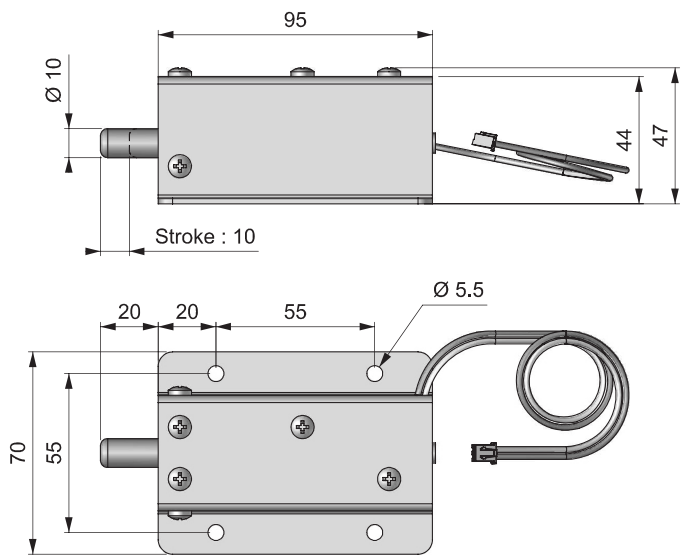
Pins	Colours	
Pin 1	Black	GND
Pin 2	Green	12 Volt DC
Pin 3	Orange	Signal
Pin 4	Red	Microswitch COM
Pin 5	Blue	Microswitch NO
Pin 6	Brown	N/A



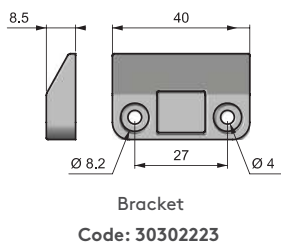
Two different mechanical override option

3311

SOLENOID LOCK



Mechanical override with high security cylinder



- Compatible with access control systems
- Push to close with a special bracket
- Mechanical override option
- Auto locking
- DC type solenoid
- Solenoid has no polarity
- Resistance of solenoid varies with the applied voltage,
- The solenoid becomes hot (around 80 °C) when continuously energized, precautions should be taken to prevent burns

MATERIALS

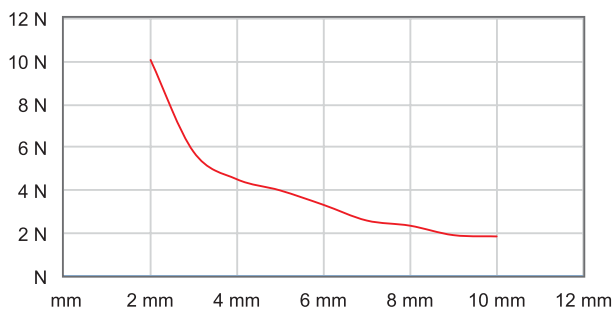
BODY: Steel
PLUNGER: Steel
BRACKET: Delrin

TECHNICAL SPECIFICATIONS

Operating Voltage : 24 V DC
Current Consumption : 550 mA
Power Consumption : 13,2 W
Operating Temperature Range : - 5 °C / + 40 °C
Cable Length : 30 cm
Stroke : 10 mm

Please Contact Essentra
* For AC type of solenoids
* For different voltages
* For different strokes

3311 Solenoid Lock



Force - Stroke Graph In Horizontal Installation

Group Code	Version
3311	V

VERSION	V
Without Mechanical Override	1
With Mechanical Override	2

ELECTRONIC LOCKING SYSTEM

ELECTRONIC CABINET LOCK

3204

Keypad



Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc.

Technical specifications

- Operating voltage: 3x1.5 V = 4.5 V
- Battery: 3xAAA Alkali battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Password combination: 4-12 digit
- Operating temperature range: -20°C ~ +70°C
- Operating humidity range: 0 ~ 90 % RH

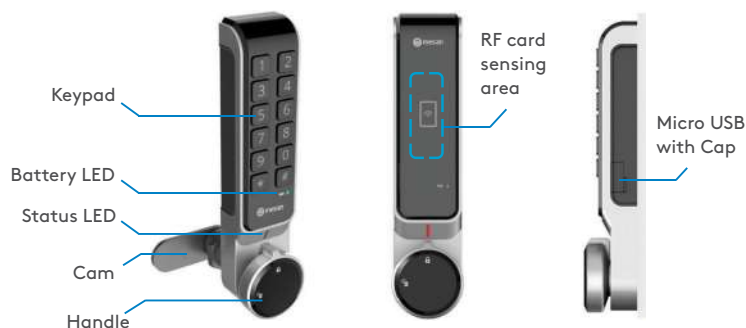
- Ability to open with a password without card and key
- Elegant design suitable for office environments
- Multi-user support
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Easy installation
- Easy to use
- High-security
- Burglar alarm
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

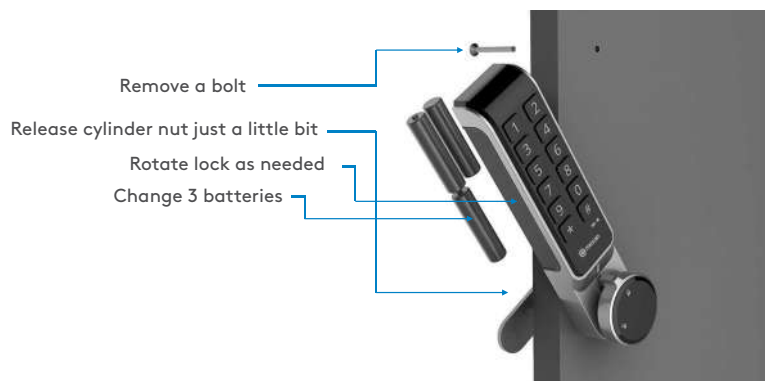
BODY:	Aluminium
HANDLE:	Aluminium
PANEL:	Plastic
CAM:	Steel

Note:

Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.



Change Batteries



RFID Card Reader

3205

ELECTRONIC CABINET LOCK

Electronic solutions for improving security

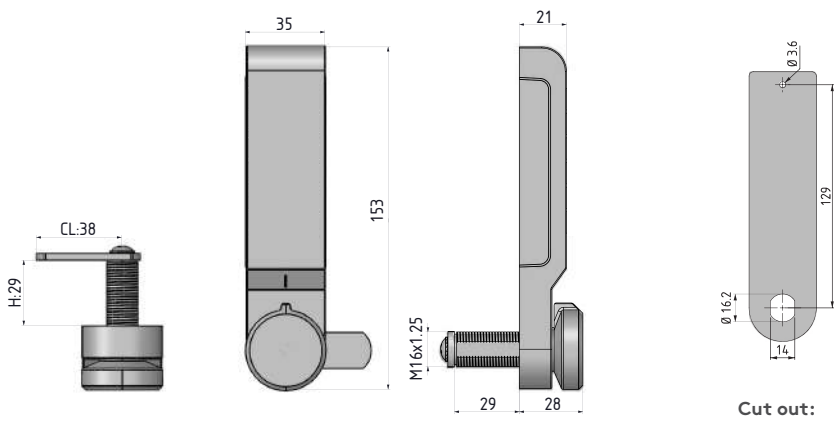
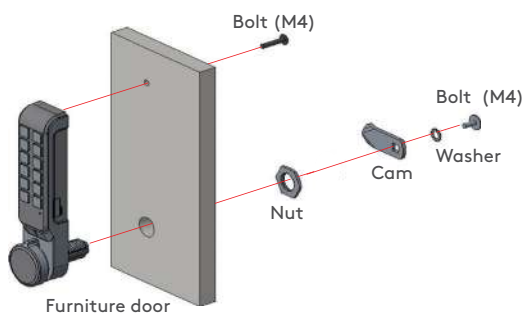
APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc. .



Technical specifications

- Operating voltage: 3x1.5 V = 4.5 V
- Battery: 3xAAA Alkali battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Card type: RFID 13.56Mhz MIFARE - Standard ISO14443A
- Operating temperature range: -20°C ~ +70°C
- Operating humidity range: 0 ~ 90 % RH



RFID Card
13.56Mhz MIFARE - Standard ISO14443A



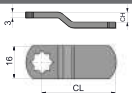
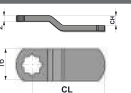
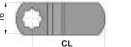
Order separately
Printed: (340.0.2639)
Unprinted: (340.0.2640)

- Ability to open with a RFID card without key
- Elegant design suitable for office environments
- Multi-user support
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Easy installation
- Easy to use
- High-security
- Burglar alarm
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

BODY: Aluminium
HANDLE: Aluminium
PANEL: Plastic
CAM: Steel

⚠ These cams are shipping with product. ⚠ For another cam options you can order separately from table.

CAM	ITEM CODE	CH	CL	CAM	ITEM CODE	CH	CL
	30405782	0	38		31403011	0	33
	30405781	5	37		30403157	3	48
					30403125	7	40



ELECTRONIC CABINET LOCK

3211

Touch Panel



Electronic solutions for improving security

APPLICATIONS:

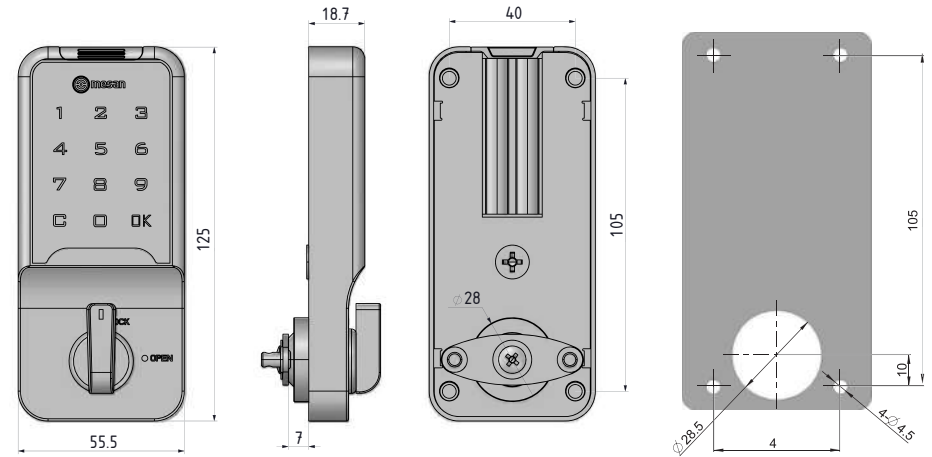
Various cabinets or lockers in sauna area, spa, gym, office, school, etc.

Technical specifications

- Ability to open with a password without card and key
- Elegant design suitable for office environments
- When the password has been forgotten, it is possible to remote control and USB-Key for solving the password
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Auto-alarm will be activated when input wrong password 4 times and the lock will be died for 60 seconds.
- You can create the fake pin password against thievery
- Easy installation
- Easy to use
- High-security
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

BODY: Aluminium
HANDLE: Aluminium
CAM: Steel



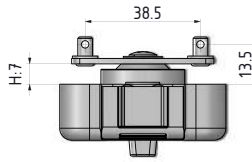
Battery box

Touch panel

Knob

Cam

Emergency power-supply input



Note:

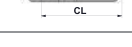
Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.



Product will be shipped with Espagnolette cam appears in technical drawing.



For another cam options you can v from table.

CAM	ITEM CODE	CH	CL
	30403124	0	43
	31403011	0	33
	30403157	3	48
	30403125	7	40

Touch Panel

3212

ELECTRONIC CABINET LOCK

Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc. .

Technical specifications

- Operating voltage: 3 V
- Battery: Cr2032 battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Password combination: 1-15 digit
- Operating temperature range: -20°C ~ +70°C
- Operating humidity range: 0 ~ 90 % RH

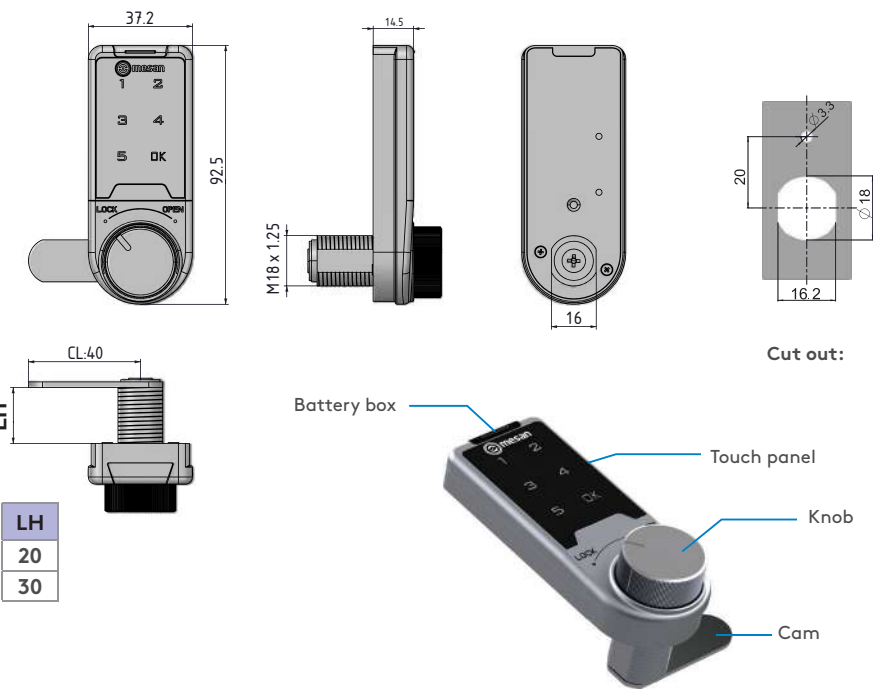
- Ability to open with a password without card and key
- Elegant design suitable for office environments
- When the password has been forgotten, it is possible to remote control and USB-Key for solving the password
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Auto-alarm will be activated when input wrong password 4 times and the lock will be died for 60 seconds.
- You can create the fake pin password against thievery
- Easy installation
- Easy to use
- High-security
- Melody yes/no adjustment
- Stylish visual-warning LEDs

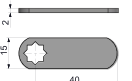
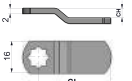
MATERIALS

BODY: Aluminium
HANDLE: Aluminium
CAM: Steel

Note:

Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.



CAM	ITEM CODE	CH	CL	CC	CAM	ITEM CODE	CH	CL	CC
	30403877	0	40	00		31403011	0	33	30
						30403157	3	48	57
						30403125	7	40	51

Group Code	Housing Length	Cam
3212	LH	CC



ELECTRONIC CABINET LOCK

3213

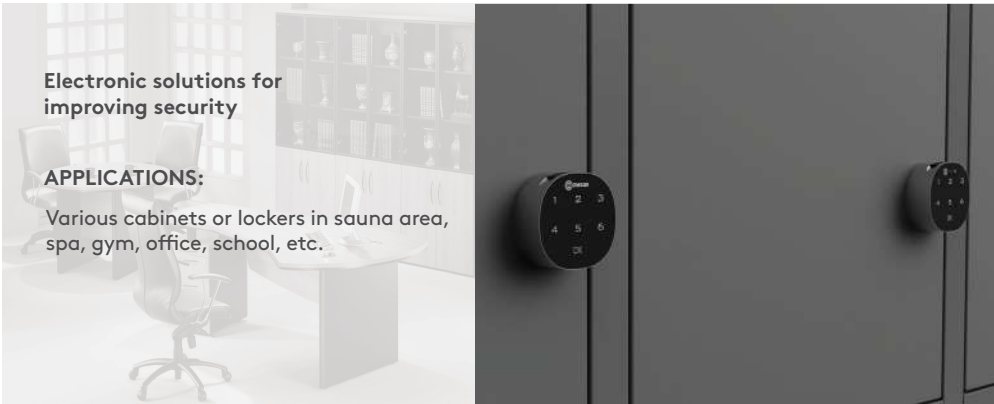
Touch Panel



Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc.



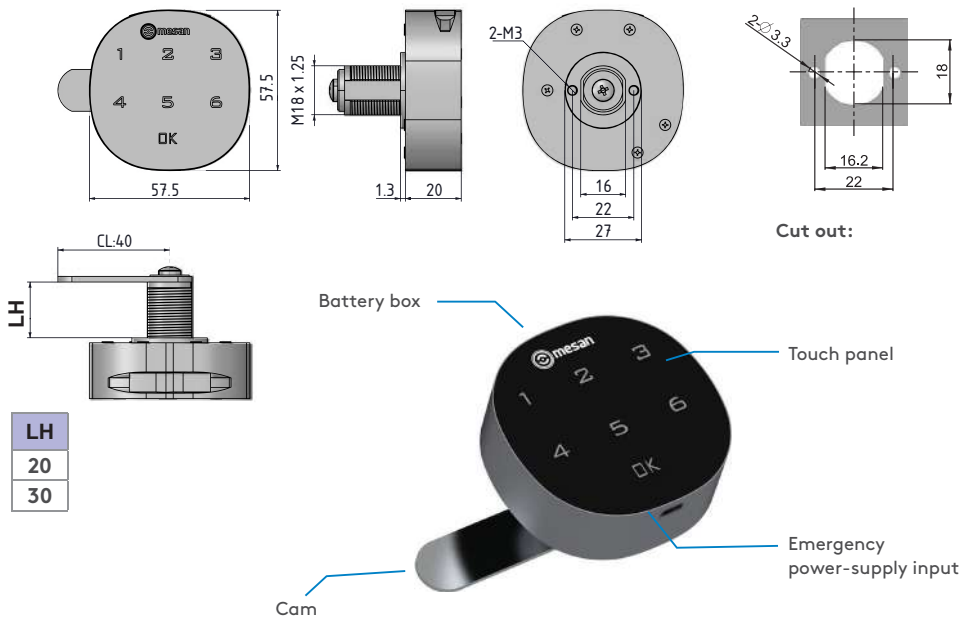
- Ability to open with a password without card and key
- Elegant design suitable for office environments
- When the password has been forgotten, it is possible to remote control and USB-Key for solving the password
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Auto-alarm will be activated when input wrong password 4 times and the lock will be died for 60 seconds.
- You can create the fake pin password against thievery
- Easy installation
- Easy to use
- High-security
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

BODY: Aluminium
CAM: Steel

Technical specifications

- Operating voltage: 3 V
- Battery: Cr2032 battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Password combination: 1-15 digit
- Operating temperature range: -20°C ~ +70°C
- Operating humidity range: 0 ~ 90 % RH



Note:
Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.

CAM	ITEM CODE	CH	CL	CC	CAM	ITEM CODE	CH	CL	CC
	30403877	0	40	00		31403011	0	33	30
						30403157	3	48	57
						30403125	7	40	51

Group Code	Housing Length	Cam
3213	LH	CC



Touch Panel

3214

ELECTRONIC CABINET LOCK

Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc. .



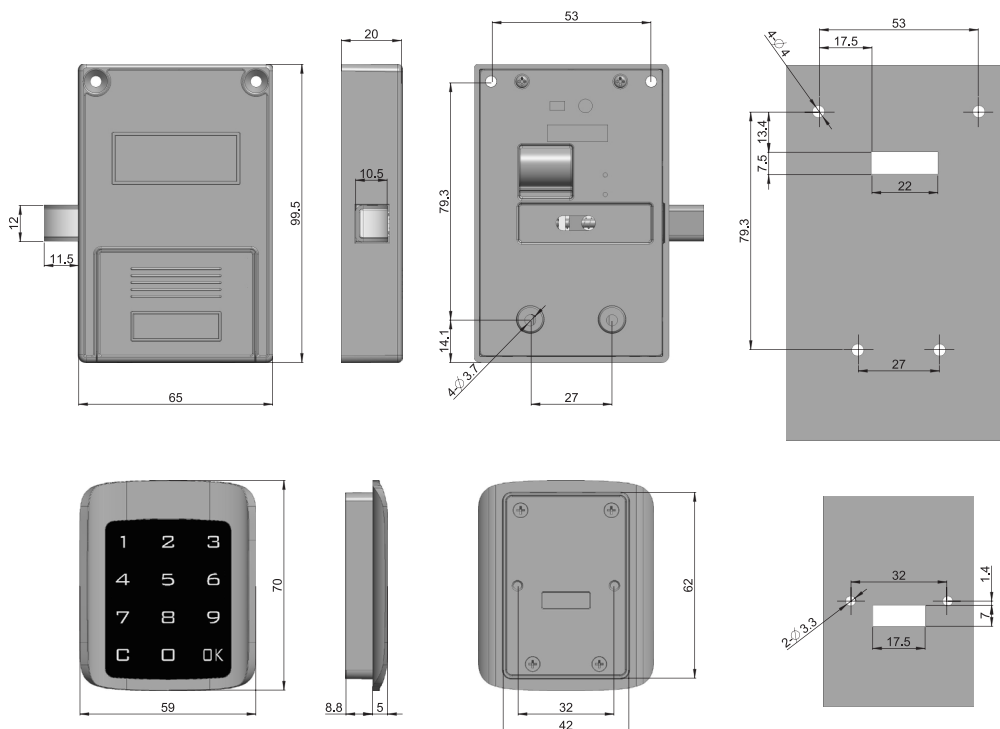
Technical specifications

- Operating voltage: 3x1.5 V = 4.5 V
- Battery: 3xAAA Alkali battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Password combination: 1-15 digit
- Operating temperature range: -20°C ~ +70°C
- Operating humidity range: 0 ~ 90 % RH

- Ability to open with a password without card and key
- Elegant design suitable for office environments
- When the password has been forgotten, it is possible to remote control and USB-Key for solving the password
- Micro USB emergency power-supply
- Low battery level indicator
- For general or specialised use
- Auto-alarm will be activated when input wrong password 4 times and the lock will be died for 60 seconds.
- You can create the fake pin password against thievery
- Easy installation
- Easy to use
- High-security
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

BODY: Plastic
CAM: Steel



Note:

Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.



ELECTRONIC CABINET LOCK

3202

Keypad

Vertical



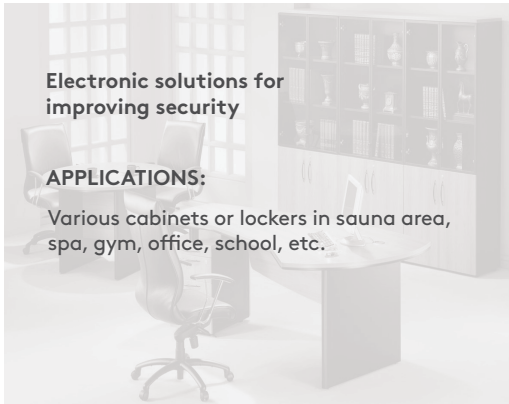
Horizontal



Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc.



Technical specifications

- Operating voltage: 3x1.5 V = 4.5 V
- Battery: 3xAA Alkali battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Password combination: 4-12 digit
- Operating temperature range: -15 ~ 55°C
- Operating humidity range: 0 ~ 90 % RH

- Ability to open with a password without card and key
- Elegant design suitable for office environments
- Multi-user support
- Micro USB emergency power-supply input behind sliding cover
- Low battery level indicator
- For general or specialised use
- Easy installation
- Easy to use
- High-security
- Burglar alarm
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

- BODY: Plastic
- LATCHING BODY: Plastic
- GASKET: Rubber
- CAM: Steel

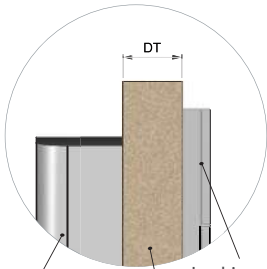


Sliding cover

Emergency power-supply input

Micro USB connector

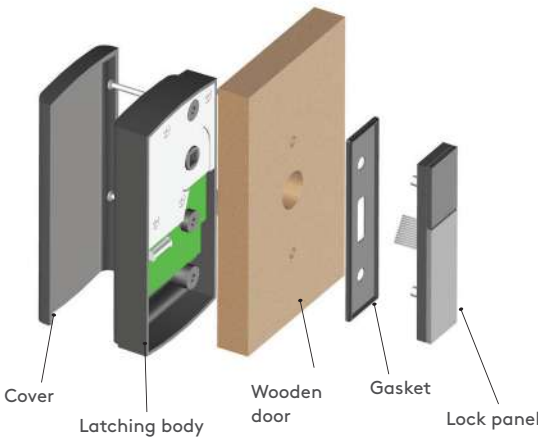
When it runs out of batteries, slide the cover and the lock can be opened with the Micro USB connector.



Latching body

Locking panel

Wooden door



Cover

Latching body

Wooden door

Gasket

Lock panel

DT - DOOR THICKNESS

Min	Max
11mm	27mm

For different door thicknesses please contact Essentra.

Note:
Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.

RFID Card Reader

3203 ELECTRONIC CABINET LOCK

Electronic solutions for improving security

APPLICATIONS:

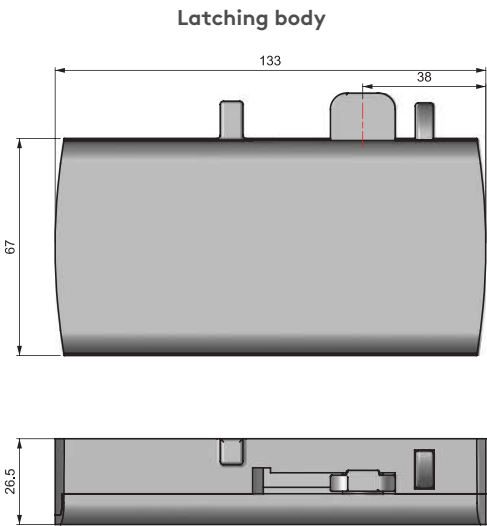
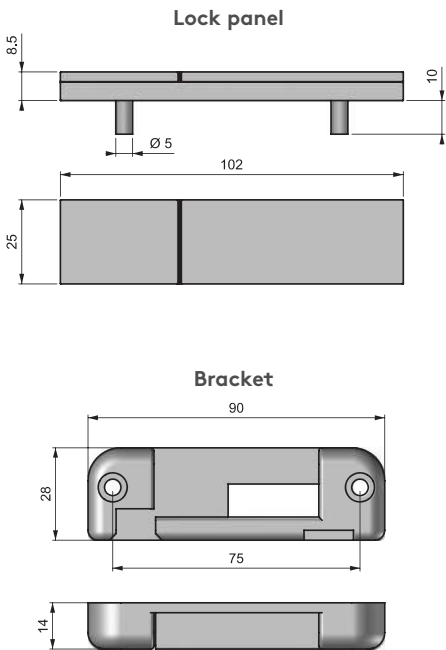
Various cabinets or lockers in sauna area, spa, gym, office, school, etc. .



Technical specifications

- Operating voltage: 3x1.5 V = 4.5 V
- Battery: 3xAA Alkali battery
- Battery life: Approx. 1.5 year (daily 10 use)
- Card type: RFID 13.56Mhz MIFARE - Standard ISO14443A
- Operating temperature range: -15 ~ 55°C
- Operating humidity range: 0 ~ 90 % RH

External dimensions



Note:
Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.

Group Code	Position
	P

POSITION	P
Horizontal	1
Vertical	2

Vertical



Horizontal



RFID Card
13.56Mhz MIFARE - Standard ISO14443A



Order separately
Printed: (340.0.2639)
Unprinted: (340.0.2640)

- Ability to open with a RFID card without key
- Elegant design suitable for office environments
- Multi-user support
- Micro USB emergency power supply input behind sliding cover
- Low-battery level indicator
- For general or specialised use
- Easy installation
- Easy to use
- High security
- Burglar alarm
- Melody yes/no adjustment
- Stylish visual-warning LEDs

MATERIALS

BODY: Plastic
LOCK PANEL: Plastic
GASKET: Rubber
CAM: Steel

ELECTRONIC LOCKING SYSTEM

ELECTRONIC CABINET LOCK

3201



Electronic solutions for improving security

APPLICATIONS:

Various cabinets or lockers in sauna area, spa, gym, office, school, etc.



Technical specifications

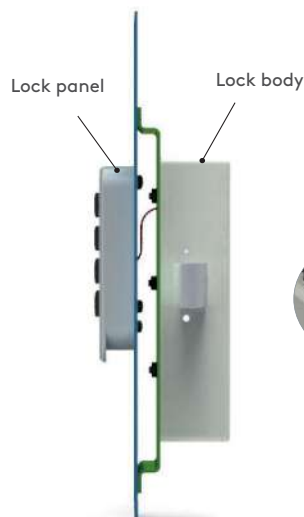
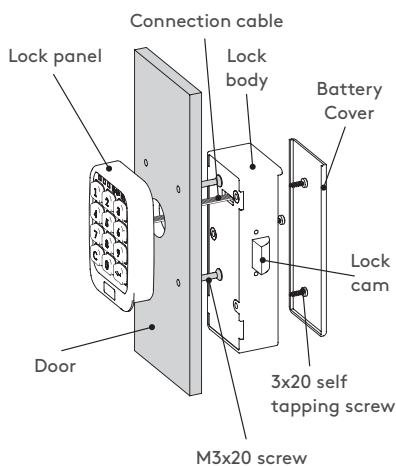
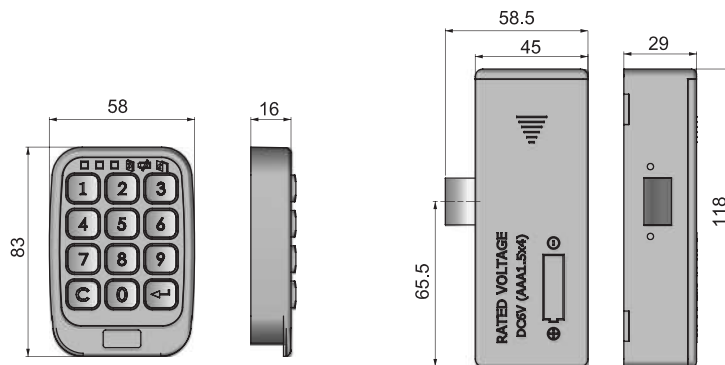
- Input password to open door; no need for card or key
- Two types:
 - Public with temporary password
 - Private with permanent password
- Two management levels: master code and user code
- Low power alarm: the lock will indicate when the battery has insufficient power
- Emergency open: external power supply can be used via a socket in the lock if sufficient battery power is not available

Password digital: $\geq 4, \leq 10$
 Power source: 4 pcs AAA alkaline batteries
 Static current: $<10\mu A$
 Dynamic current: $<220mA$
 Alarm power: $<4.7V$
 Memory capacity: 4160 Bit

Work temperature: $-25^{\circ}C \sim 65^{\circ}C$
 Store temperature: $-25^{\circ}C \sim 85^{\circ}C$
 Store time: >10 years
 Change: 1,000,000 times
 Work humidity: 5 ~ 95 % RH
 (No condensation)

MATERIALS

LOCK PANEL: Zamak
 KEYS: Plastic
 LOCK BODY: Plastic
 CAM: Zamak



Note:

Instructions for use, installation dimensions, etc. More information is available in the instruction book with the lock.



External power socket



External power supply
 product code:
 340.0.2643
 (Order separately)

Remote Control

3301 ELECTRONIC CABINET LOCK



Electronic solutions for improving security

APPLICATIONS:

- Coolers
- Fridges
- Electric panels
- Cabinets

Technical specifications

Main board

- Input voltage: 12V - 18V AC
- Output current: 650 mA x2
- RF frequency: 433.92 MHz
- Working temperature range: -25 °C ~ +70 °C
- Control: Microprocessor
- Cable length: 70 cm
- Alert type: Buzzer
- Identification: Master remote control
- Locking security: Watchdog

Remote control:

- RF Frequency: 433.92 MHz
- Keys: 2 (Open/Close)
- Battery: 27A
- Control distance: 50 m (ideal conditions)

Master remote control

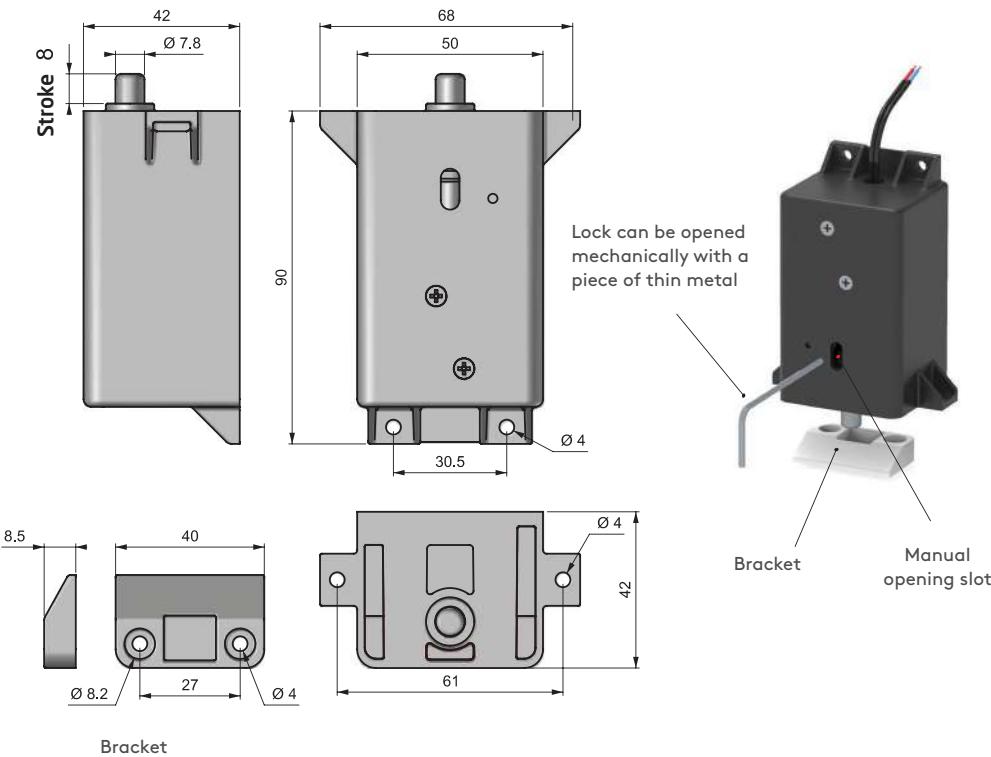
- RF Frequency: 433.92 MHz
- Keys: 2 (Same function)
- Battery: 27A
- Function: New remote control identification



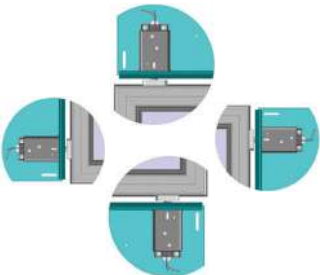
- Microprocessor controlled.
- Working voltage 220 V AC (with a special transformer)
- Open and close remote control
- Buzzer
- Manual opening slot in case of power outage
- New remote control identification with a master remote control
- More than one lock can be controlled by one remote control or vice versa
- More than one remote control can control one lock
- Stroke: 8 mm

MATERIALS

- BODY: Plastic
- PLUNGER: Steel
- BRACKET: Delrin



Multidirectional application



Group code:	Product name:	Page:
001	SWINGHANDLE	26,28
002	SWINGHANDLE - GEAR BOX	54
003	THREE - POINT LOCK	83
006	SWINGHANDLE	49
03030	INTERNAL LOCKING SYSTEM	86
007	SWINGHANDLE - GEAR BOX	76
008	SWINGHANDLE	40
010	CAM LOCK - T HANDLE	274
011	CAM LOCK - L HANDLE	274
012	HVAC LOCK	126- 129
012A1	INTERNAL SAFETY HANDLE	130
012A2	LEVER HANDLE	129
012A3	INTERNAL SAFETY HANDLE	129
013	FIRE- HOSE CABINET LOCK	284
014	T HANDLE HEAVY DUTY LOCK	100-106
015	T HANDLE HEAVY DUTY LOCK	112-113
016	PUSH - TO - CLOSE	90-94,454
018	T HANDLE HEAVY DUTY LOCK	114
020	SLIDING -GLASS DOOR LOCK	275
021	GLASS - DOOR LOCK	275
025	GLASS HINGE	433
030	FURNITURE LOCK	277
032	FURNITURE LOCK	276
033	FURNITURE LOCK	277
035	STEEL CUPBOARD LOCK	281
040	COMPRESSION LOCK	226-227,462-463
042	SCREW LOCK	479
045	COMPRESSION - SPRING LATCH	229,469
050	CAM LOCK	262- 263
050	CAM LOCK - BALL	235
050 AX	ACESSORIES	264
055	PADLOCKABLE - KNOB	236-239
055	CABINET LOCK	241
056	CAM LOCK	271
057	MINI CAM LOCK	268
058	STEEL CUPBOARD LOCK	282
059	SLIDING - DOOR LOCK	279
060	QUARTER TURN-SPRING LOADED	195,458
060 AX	ACCESSORIES	219-221
062	QUARTER TURN- WING KNOB	196
063	CAM LOCK	249,476
064	CAM LOCK -L HANDLE	257
064	CAM LOCK -T HANDLE	256
064	STEPPED COVER LOCK	222
064	QUARTER TURN- SPRING LOADED	223,457
064	QUARTER TURN -WING KNOB	224-225
065	CAM LOCK - WING KNOB	252,474
065	QUARTER TURN-WING KNOB	482
066	MINI QUARTER TURN - SPRING LOADED	232,456
070	LIFT & TURN LOCK	146
071	SLIDING LOCK	160

Group code:	Product name:	Page:
072	FUNCTIONAL LOCK	147
073	QUARTER-TURN LOCK	165
074	COVER PULL (SNAP-IN)	419
075	PANEL LOCK WITH HEXAGONAL HEAD	138
077	COMPRESSION TRIGGER LOCK	140
078	CLAMPS (3D)	136
079	COVER STAY	434, 516
082	FLUSH SPRING HANDLE	416
083	ALUMINIUM HANDLE	406
084	MILLENIUM HANDLE	405
085	DRAWER HANDLE	405
086	COVER HANDLE	412
087	COVER HANDLE	413
089	SPRING LOADED	330
090	SIDE HINGE (10 mm)	288, 512
091	SIDE HINGE (12 mm)	288
092	SIDE HINGE (12 mm)	288, 512
093	SIDE HINGE (16 mm)	289
094	CONCEALED HINGE	302
095	CONCEALED HINGE	310-311, 492
096	CONCEALED HINGE	304 -305
097	CORNER HINGE	336, 493
098	CORNER HINGE	341
099	LEAF HINGE	358-359, 500, 502
100	CORNER HINGE	348
101	SWINGHANDLE	29
102	SWINGHANDLE - GEAR BOX	55
103	THREE - POINT LOCK	83
103	THREE - POINT LOCK (Wing knob, T and L handle)	78-79, 450-451
103	QUARTER TURN LOCK	244
104	LINEAR HANDLE LOCK	68-69
105	SWINGHANDLE	30
106	SWINGHANDLE	38
107	SWINGHANDLE - GEAR BOX	61
108	SWINGHANDLE	42, 44-45
109	SWINGHANDLE - GEAR BOX	70, 72-73
110	CAM LOCK - T HANDLE	254, 472
111	CAM LOCK - T HANDLE	255, 473
112	HVAC LOCK	118-121
112	HVAC LOCK - ACCESSORIES	122-125
113	FIRE- HOSE CABINET LOCK	285
114	MINI T HANDLE CABINET LOCK	107-108
115	T HANDLE HEAVY DUTY LOCK	110
116	PUSH - TO - CLOSE	97
118	T HANDLE HEAVY DUTY LOCK	115
132	FURNITURE LOCK	276
140	MINI COMPRESSION LOCK	228, 460
150	CAM LOCK	266

Group code:	Product name:	Page:
157	MINI CAM LOCK	269
158	MINI CAM LOCK	283
159	SLIDING-DOOR LOCK	278
160	QUARTER TURN- SPRING CAM	216,458
161	KNOB LOCK (plastic)	214
162	PACO LOCK	218
163	SPRING CAM LOCK	248
165	MINI CAM LOCK - WING KNOB	253
166	MINI QUARTER TURN - WING KNOB	234
170	LIFT & TURN LOCK	144-145
171	MINI SLIDING LOCK	161
174	COVER PULL (SNAP-IN)	419
176	HOOKEED LOCK	166
177	COMPRESSION TRIGGER LOCK	141
179	COVER STAY	436 , 517
183	ALUMINIUM HANDLE	406
184	METAL HANDLE	407
185	FINGER HANDLE	404
186	COVER HANDLE	412
187	COVER HANDLE	414
189	SPRING LOADED	328
191	SIDE HINGE	292
192	SIDE HINGE (12 mm)	289, 513
193	SIDE HINGE (16 mm)	289, 513
194	CONCEALED HINGE	303
195	CONCEALED HINGE	312 -313
196	CONCEALED HINGE	306
197	CORNER HINGE	337
199	LEAF HINGE	357
200	CORNER HINGE	346-347
201	SWINGHANDLE	27
203	QUARTER TURN- WING KNOB	243
203	QUARTER TURN LOCK	245
203	THREE - POINT LOCK	82
203	THREE - POINT LOCK (Wing knob, T and L handle)	81-81
204	LINEAR HANDLE LOCK	66-67
205	SWINGHANDLE	50-51
206	SWINGHANDLE	35
207	SWINGHANDLE - GEAR BOX	62
208	SWINGHANDLE	43
209	SWINGHANDLE - GEAR BOX	75
211	PADLOCKABLE -L HANDLE	202,470
214	T HANDLE HEAVY DUTY LOCK	98-99
215	T HANDLE HEAVY DUTY LOCK	111
216	PUSH - TO - CLOSE	95
240	COMPRESSION LOCK - T HANDLE	258-259
250	CAM LOCK	267
257	MINI CAM LOCK	270
260	QUARTER TURN- PADLOCKABLE	217,459
261	KNOB LOCK (driver version)	215
261	KNOB LOCK (cylinder version)	251

Group code:	Product name:	Page:
262	PADLOCKABLE - WING KNOB	199
265	PADLOCKABLE - WING KNOB	475
266	MINI QUARTER TURN - SPRING LOADED	233,456
267	METAL KEY	191
270	SWELL LOCK	148-149
271	SLIDING LOCK	163
274	COVER PULL (SNAP-IN)	418
276	SAFETY LATCH	479
279	COVER STAY	435 , 515
284	METAL HANDLE	408
286	COVER HANDLE	404
287	COVER HANDLE	413
289	CONCEALED HINGE	331, 489
293	SIDE HINGE	296
294	CONCEALED HINGE	307
295	CONCEALED HINGE	314-315, 482-483
296	CONCEALED HINGE	308-309
297	CORNER HINGE	338
298	CORNER HINGE	340
299	LEAF HINGE	356, 500
300	HVAC HINGE	382
306	SWINGHANDLE	34
307	SWINGHANDLE - GEAR BOX	63
308	SWINGHANDLE	46
309	SWINGHANDLE - GEAR BOX	74
315	T HANDLE HEAVY DUTY LOCK	109
316	PUSH - TO - CLOSE	96
320.02.16X	CABLE SHUNTING RINGS	433
340	COMPRESSION LOCK	260,261
340.10.00X	ACOUSTIC SPONGE (Formed type)	437
340.0.26XX	ANALOG SENSORS	527
340.00.131	TOGGLE LATCH	428
340.00.132	TOGGLE LATCH	514
340.00.134	TOGGLE LATCH	514
340.00.135	TOGGLE LATCH	428
340.00.133	TOGGLE LATCH	428
340.00.3XX	DIAPHRAGM GROMMETS	438
340.00.40X	RUBBER PLUG	439
340.02.430	SCREW	432
340.08.001	DOOR HOLDBACK	440
340.08.01X	RUBBER STOPPER	439
340.09.XXX	GASKETS	388-400
340.20.0XX	DOOR BOTTOM BRUSHES (Screw type)	441
340.20.0XX	DOOR BOTTOM BRUSHES (Plug-in type)	441
340.0.8023	TRUCK CARRIER HINGE	384
340.0.8209	TRUCK CARRIER HINGE	384
350	QUARTER TURN LOCK	240
360	QUARTER TURN -SPRING LOADED	213
361	SECURE QUARTER TURN	204
362	QUARTER TURN-WING KNOB	197
366	MINI QUARTER TURN - EASY FIXING	230

Group code:	Product name:	Page:
368	METAL KEY	190
371	SLIDING LOCK	160
374	COVER PULL (SNAP-IN)	417
377	COMPRESSION TRIGGER LOCK	142
384	METAL HANDLE	409
387	COVER HANDLE	415
389	SPRING LOADED	329
393	SIDE HINGE	296
394	CONCEALED HINGE	332
395	CONCEALED HINGE	316-317, 484-485
397	CORNER HINGE	339
398	CORNER HINGE	342
399	LEAF HINGE	360-501,503
340	COMPRESSION LOCK - WING KNOB	260-261
400	CORNER HINGE	345
401	SWINGHANDLE	444
402	SWINGHANDLE - GEAR BOX	448-449
406	SWINGHANDLE	36-37
407	MODULER SYSTEM SWINGHANDLE	64-65
408	SWINGHANDLE	32-33
409	SWINGHANDLE - GEAR BOX	59-60
411	PADLOCKABLE L HANDLE	477
416	PUSH-TO CLOSE LOCK	455
440	HYGIENIC COMPRESSION LOCK	466-467
450	CAM LOCK SPRING LOADED	265
460	HYGIENIC LOCK	468
461	SECURE QUARTER TURN	205
462	BRIDGE CLAMP SYSTEM	137
466	MINI LOCK	164
471	MINI SLIDING LOCK	161
477	COMPRESSION TRIGGER LOCK	143
484	METAL HANDLE	407
487	COVER HANDLE	414
493	SIDE HINGE	297
497	CORNER HINGE	343
498	CORNER HINGE	344
499	LEAF HINGE	366
500	HVAC HINGE	381
501	SWINGHANDLE	30 , 445
502	SWINGHANDLE - GEAR BOX	56-57, 446-447
508	SWINGHANDLE	48
518	SWINGHANDLE	50
540	COMPRESSION LOCK	464-465
560	QUARTER TURN - EASY FIXING	206
561	KNOB LOCK (plastic)	209
562	PADLOCKABLE - WING KNOB	198,471
566	MINI QUARTER TURN - EASY FIXING	231
571	SLIDING LOCK	162
584	FOLDABLE METAL HANDLE	410
593	SIDE HINGE	298
595	CONCEALED HINGE	327

Group code:	Product name:	Page:
599	LEAF HINGE	367,504
600	CORNER HINGE/HVAC HINGE	349-350, 498
601	SWINGHANDLE	31
602	SWINGHANDLE - GEAR BOX	58
612	HVAC LOCK	131-133
660	QUARTER TURN - EASY FIXING	207
661	QUARTER TURN - EASY FIXING	208
662	QUATER TURN- PADLOCKABLE	200-201
666	QUATER TURN- LOCK	242
671	SLIDING LOCK	162
684	METAL HANDLE	410
693	SIDE HINGE	299
693	HINGE WITH BEARING	379
695	CONCEALED HINGE	318-319, 486-487
699	LIFT - OFF HINGE	378
700	CORNER HINGE/HVAC HINGE	351
708	SWINGHANDLE	47
712	FUNCTIONAL LOCKING HINDE	134- 135
760	QUARTER TURN- SPRING LOADED	212
761	CAM LOCK - EASY FIXING	250
761	QUARTER TURN - EASY FIXING	210,211
784	METAL HANDLE	411
793	SIDE HINGE	290
795	CONCEALED HINGE	320, 488
799	LEAF HINGE	370,505
800	HVAC HINGE	380
808	SWINGHANDLE	39
809	SWINGHANDLE - GEAR BOX	77
860	QUARTER TURN LOCK	478
884	ALUMINIUM HANDLE	408
893	SIDE HINGE	291
895	CONCEALED HINGE	322
899	LEAF HINGE	365,508
900	LEAF HINGE	364
908	SWINGHANDLE	41
909	SWINGHANDLE - GEAR BOX	71
960	QUARTER TURN-MODULER HANDLE	203
993	SIDE HINGE	294
995	CONCEALED HINGE	324-325, 491
999	LEAF HINGE	509
1060	QUARTER TURN - SPRING LOADED	461
1093	SIDE HINGE	293
1095	CONCEALED HINGE	323
1100	ADHESIVE GASKET	401
1193	SIDE HINGE	295
1199	LEAF HINGE	373
1200	ADHESIVE GASKET	401
1293	LIFT-OFF HINGE	496
1299	MINI LEAF HINGE	355, 498

Group code:	Product name:	Page:
1300	ADHESIVE GASKET	401
1399	LEAF HINGE	497
1495	CONCEALED HINGE	333
1499	LEAF HINGE	363
1500	HVAC HINGE	383
1599	LEAF HINGE	368-369, 506-507
1699	LEAF HINGE	362
1795	CONCEALED HINGE	321
1995	CONCEALED HINGE	326, 490
2220	CIRCULAR INSPECTION WINDOW	425
2099	TORQUE HINGE	374
2150	DRAWING POCKET (A4)	424
2152	DRAWING POCKET (A5)	424
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FACTORY - 2

22.000 sqm

- R&D Centre
- Sales & Service
- Assembly
- Logistics Center
- Warehouse
- Laboratory



FACTORY - 1 13.500 sqm

- Production
- Finance
- Human Resources
- Quality Management
- Tooling maintenance