



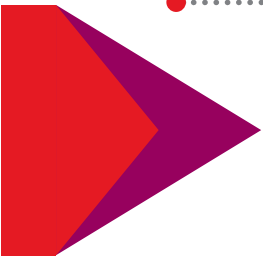
ESSENTRA

WELCOME TO ESSENTRA

We are global manufacturers and distributors of vital component parts for hundreds of markets and thousands of products. We're proud of what we do and believe that even the smallest products have a big part to play.



OUR KEY MARKETS



GLOBAL REACH WITH A LOCAL TOUCH

We bring together the best products, ideas and distribution.



Our network includes **69** principal manufacturing facilities



WHO IS ESSENTRA COMPONENTS?

WHETHER YOU HAVE A GLOBAL OR LOCAL PERSPECTIVE, OUR COMBINED REACH AND COLLECTIVE INSIGHT CREATES SOLUTIONS DESIGNED FOR YOU

35,000

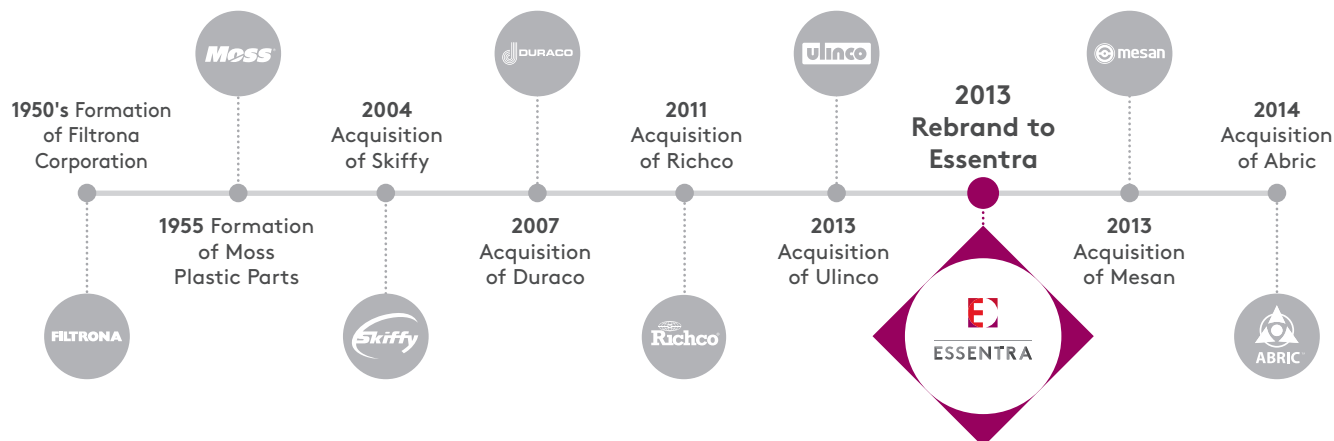
products available

20

Regional distribution centres in Europe & Asia

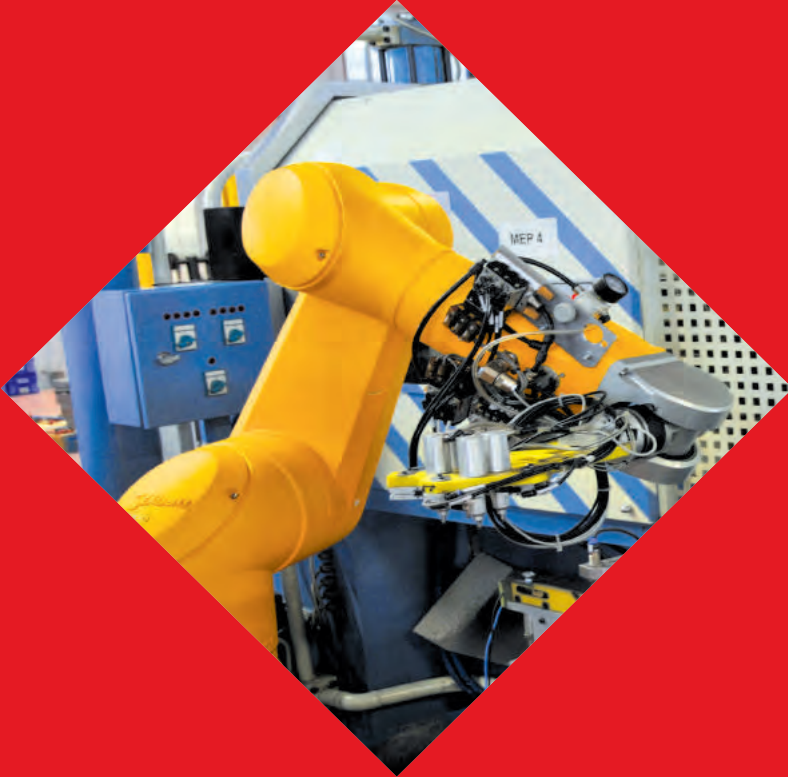
>1

BILLION parts in stock





R&D AND PRODUCTION



Essentra Access Solutions develop high-performance, innovative, ergonomic customer-oriented products, sensitive to the environment and human health, and which comply with national and international standards.

Our products are developed with the current and future needs of our customers in mind. Our main objective is to be a solutions partner for our customers, by delivering a full range of products with different styling, colours, materials and functionality.

We're committed to continually improving our products and helping our customers realise their full potential. As Essentra, we will continue to use our innovative technology and global distribution network to deliver the highest value to our customers.



QUALITY



We understand that continuous improvement in all of our processes drives customer satisfaction. We ensure our products meet customer expectations, and technical and legal requirements.

Our quality system is ISO 9001-2008 certified and our products are manufactured to comply with RoHS standards. We meet our obligations concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH).

We commit to:

- Products with superior quality
- A lean manufacturing approach to identify and eliminate waste
- Continuous development of our processes
- Providing a modern, safe and peaceful working environment for our employees
- Leading the industry with innovative concepts
- Designing and manufacturing high value-added products, delivering them on time at reasonable prices
- Ethical values and being sensitive to the environment



AREAS OF EXPERTISE

ELECTRICAL ENCLOSURES



A wide range of locks, hinges and accessories for indoor and outdoor cabinets, all with excellent security

IT ENCLOSURES



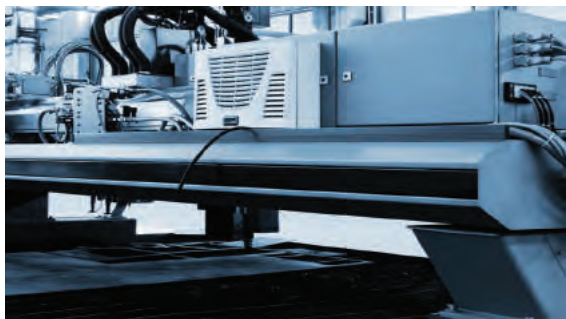
High-security products that protect an organisation's data

GENERATORS-COMPRESSORS



Heavy-duty products with numerous benefits including noise isolation and reducing vibration

INDUSTRIAL MACHINERY



Cost-effective machine safety products that provide real value

YOUR SOLUTIONS PARTNER

HVAC



Designed for sealed cabinets to control temperature and humidity

RAILWAY



Solutions that reduce vibration and noise

TRANSPORTATION



Heavy-duty products made to last

FURNITURE



Combines easy operation and stylish design



HERO PRODUCTS

Locks Hinges Gaskets Handles Stainless Steel Products Electronic

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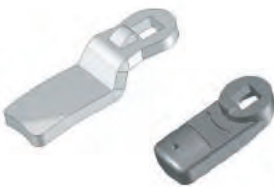
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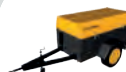
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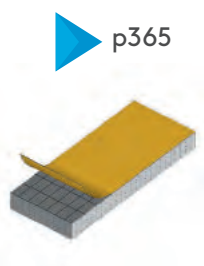


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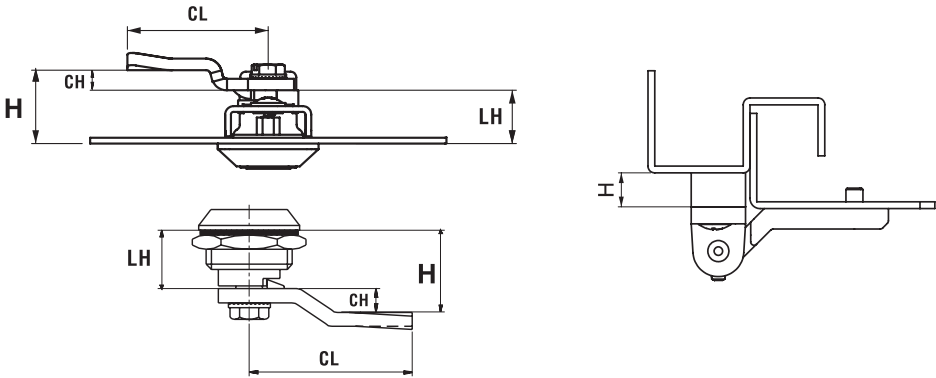


PRODUCT CODE DESCRIPTIONS

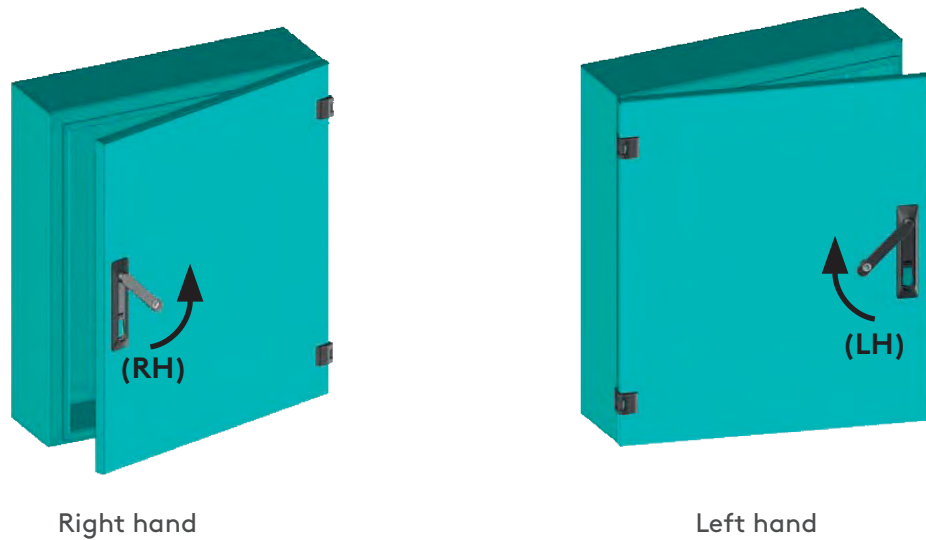
DESCRIPTIONS	MATERIALS AND FINISH OPTIONS
GROUP CODE M MATERIAL F FINISH DD CYLINDER - DRIVER CC CAM V VERSION DT DOOR THICKNESS L LENGTH H HEIGHT LH HOUSING LENGTH P PIN 001 RIGHT HAND 002 LEFT HAND 1 OPTIONAL / IP 65 1 OPTIONAL / PADLOCK HASP 2 OPTIONAL / DUST CAP 12 OPTIONAL / PADLOCK HASP + DUST CAP	M MATERIAL 1Zamak 2Plastic 3Brass 4Stainless steel 5Aluminium 6Steel F FINISH 0No finish 1Chrome 2Black coated 3Zinc plated 7Matt anodized
EXAMPLE PRODUCT CODE	
062 - 1 - 2 - 42 062 - M - F - CC GROUP CODEMATERIALFINISHCAM	
062-1-2-42 062Quarter turn – wing knob 1Zamak material 2Black coated 42Cam: 7x49 mm	

TECHNICAL DRAWING DESCRIPTIONS

- H: Grip
- LH: Housing length
- CL: Cam length
- CH: Cam height
- L: Length
- H: Height



DOOR-LOCKING DIRECTIONS



Right hand

Left hand

SYMBOLS

RoHS	RoHS Compliant		Inside gasketing application		Outside gasketing application
IP 65	IP 65 sealing level	IP 55	IP 55 sealing level		Foam gasketing
LH/RH	Suitable for left or right hand	RH	Right hand only	LH	Left hand only
	Earthing		Padlock version		New product
	Concealed hinge		Side hinge		Corner hinge
	Flat hinge		Lift-off hinge	2 D	Two dimensions
			Door-type Hinge	3 D	Three dimensions

EXPLANATIONS

- * All dimensions mentioned in this catalogue are in millimetres (mm)
- * We comply with RoHS
- * Finishes comply with TS EN 12540
- * We reserve the right to make changes to product specifications without prior notice
- * Our polyamide products and EPDM gasket products can be produced as flame resistant to comply with the UL94 standard
- * All images, text and designs contained within this catalogue remain the copyright of Essentra Components

JUST A FEW OF OUR **STANDARD PRODUCTS**

FOR EQUIPMENT CONTROL



Vibration Mounts

Heavy Duty Fixed
Stud Leveling Foot

Soft Touch Lobe Knobs

FOR ENCLOSURES



Grommet Strip

Push Mount Ties

Nylon Cable Glands

FOR FASTENING

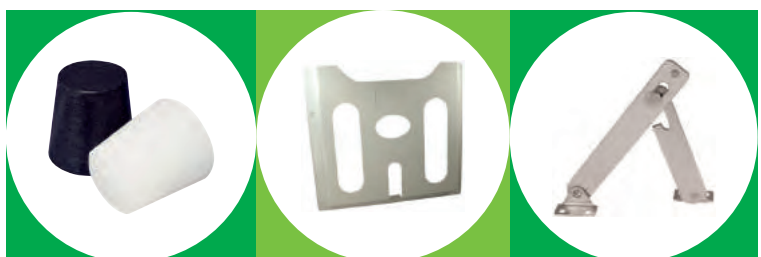


Quarter Turn &
Snap Latches

Fir Tree Fasteners

Rack Panel
Quarter Turn Fastener

AND THERE IS MORE...



Masking Plugs

Drawing Pocket

Heavy Duty Lid Stays

REQUEST OUR FULL COMPONENTS CATALOGUE!

**OVER 35,000 STANDARD PRODUCTS
FOR FAST DISPATCH**



Index Clamping
Handles

Digital Position
Indicator

Handles

Castors

Nylon Slide Bearings
with Flange



Vibration Mounts

Standard Grommets

3:1 Heat Shrink
Tubing Reels

IP67 Grommet

Gasketing



Metal Slotted Screw

Screw Rivet
Fasteners

Quarter Turn Planking
Plugs for 19" Racks

Spacers

Quarter Turn
Fasteners



Hose/Wire Wrap

Counter Screens/
Inspection Window

Adjustable Latches

Rotary Damper Body

Heavy Duty
Hoist Rings

GO ONLINE:

- REQUEST FREE SAMPLES
- 3D CAD DRAWINGS
- ORDER ONLINE

► www.essentracomponents.co.uk





PRODUCT GROUPS



SWINGHANDLES
14 – 45



ROD-LATCH SYSTEM
46 – 79



HEAVY-DUTY LOCKS
80 – 107



MISCELLANEOUS PRODUCTS
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CAMS, KEYS, RODS & ROD GUIDES
142 – 163



QUARTER-TURN LOCKS
164 – 211



CAM LOCKS
212 – 237



FURNITURE & STEEL CUPBOARD LOCKS
238 – 251



SIDE HINGES
252 – 263



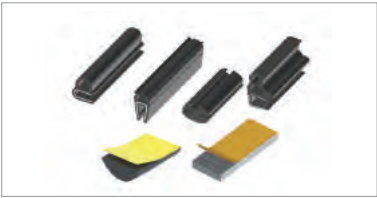
CONCEALED HINGES
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CORNER HINGES
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GASKETS
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HANDLES
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ACCESSORIES
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STAINLESS STEEL PRODUCTS
420 – 481



ELECTRONIC LOCKING SYSTEM
482 – 505



LOCKS



SWINGHANDLES

GROUP CODE	PRODUCT NAME	
001	SWINGHANDLE	
201	SWINGHANDLE	
101	SWINGHANDLE	
501	SWINGHANDLE	
601	SWINGHANDLE	
408	SWINGHANDLE	
105	SWINGHANDLE	
206	SWINGHANDLE	
306	SWINGHANDLE	
106	SWINGHANDLE	
008	SWINGHANDLE	
908	SWINGHANDLE	
108	SWINGHANDLE	
208	SWINGHANDLE	
218	SWINGHANDLE	
808	SWINGHANDLE	
708	SWINGHANDLE	
308	SWINGHANDLE	
318	SWINGHANDLE	
518	SWINGHANDLE	
508	SWINGHANDLE	
006	SWINGHANDLE	



ESSENTRA

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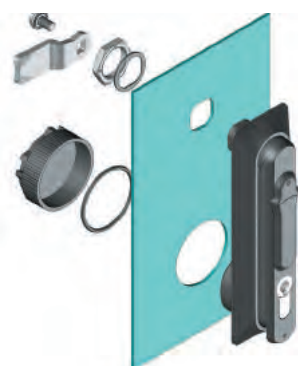
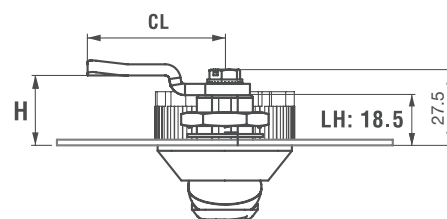
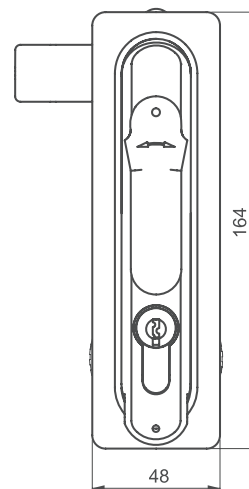
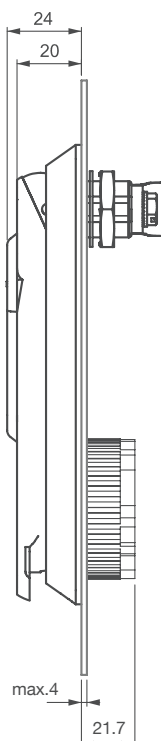
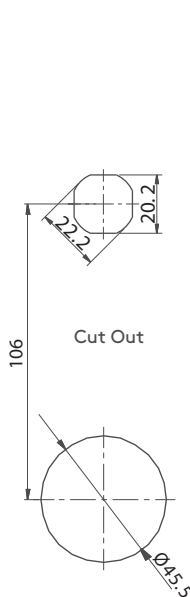
SWINGHANDLE

001



LH/RH

RoHS



- **Small version: page 12**
- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- For 42 mm Euro Profile single-cylinder contact Essentra

APPLICATIONS

Electric panels, machinery covers

MATERIAL

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

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

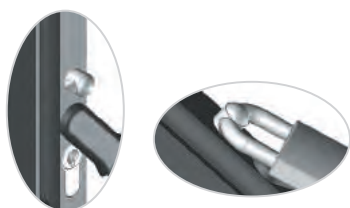
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

SEAL: Rubber

PRODUCT CODE

001 - DD - CC - 1
 GROUP CODE CYLINDER CAM For padlock only



1

Padlock application



For cams please check pages: 146 - 147



For keys please check pages: 162 - 163



For rods please check pages: 150- 161

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

NO CYLINDER		DD
Plastic blind cylinder		24
		

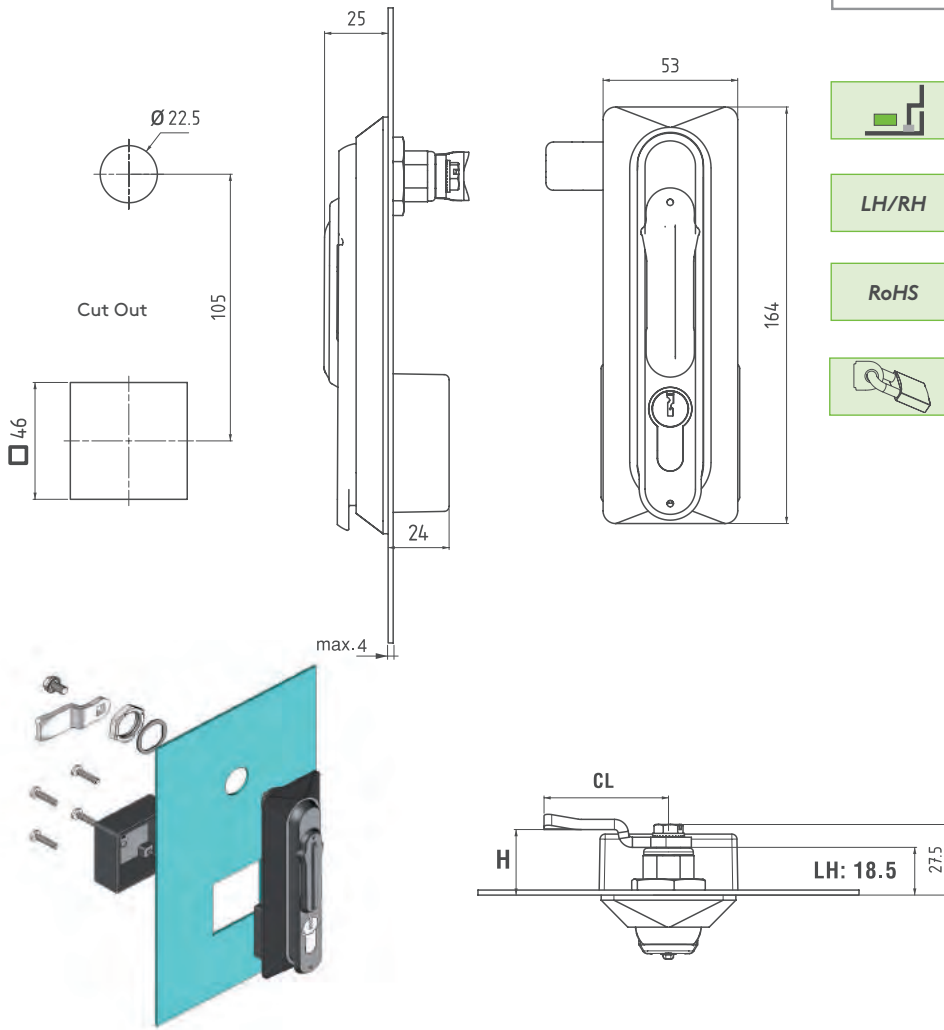
DRIVER TYPE				DD
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern	
15	28	39	91	

HIGH-SECURITY CYLINDER				DD
Brass cylinder		Zamak cylinder		
Keyed alike	Keyed differ	Keyed alike	Keyed differ	
20	21	22	23	



201

SWINGHANDLE



- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- For 42 mm Euro Profile single-cylinder contact Essentra

APPLICATIONS

Electric panels, machinery covers

MATERIAL

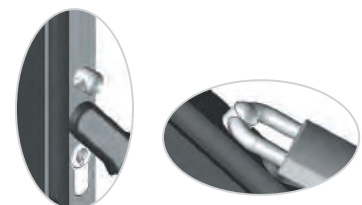
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
DUST C.: Zamak DIN-EN 1774-ZnAl4Cu1
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Rubber

PRODUCT CODE

201 - DD - CC - 1
 GROUP CODE CYLINDER CAM For padlock only

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07
NO CYLINDER		DD
Plastic blind cylinder		24

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91
HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23



1

Padlock application

- For cams please check pages: 146 - 147
- For keys please check pages: 162 - 163
- For rods please check pages: 150- 161

SWINGHANDLE

001

SMALL VERSION



- Large version: page 16
- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted

APPLICATIONS

Electric panels, machinery covers

MATERIAL

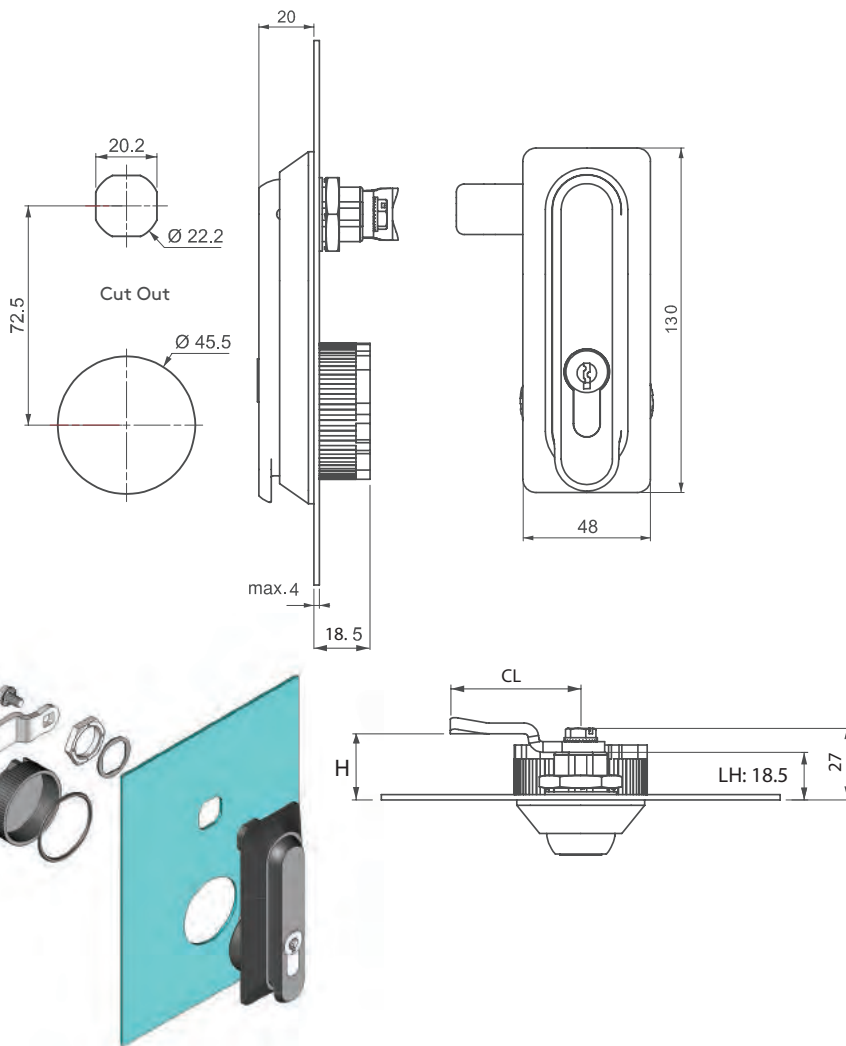
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6GFR 30
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Rubber

IP 65



LH/RH

RoHS



PRODUCT CODE

001 - **2** - **DD** - **CC**
 GROUP CODE VERSION CYLINDER CAM

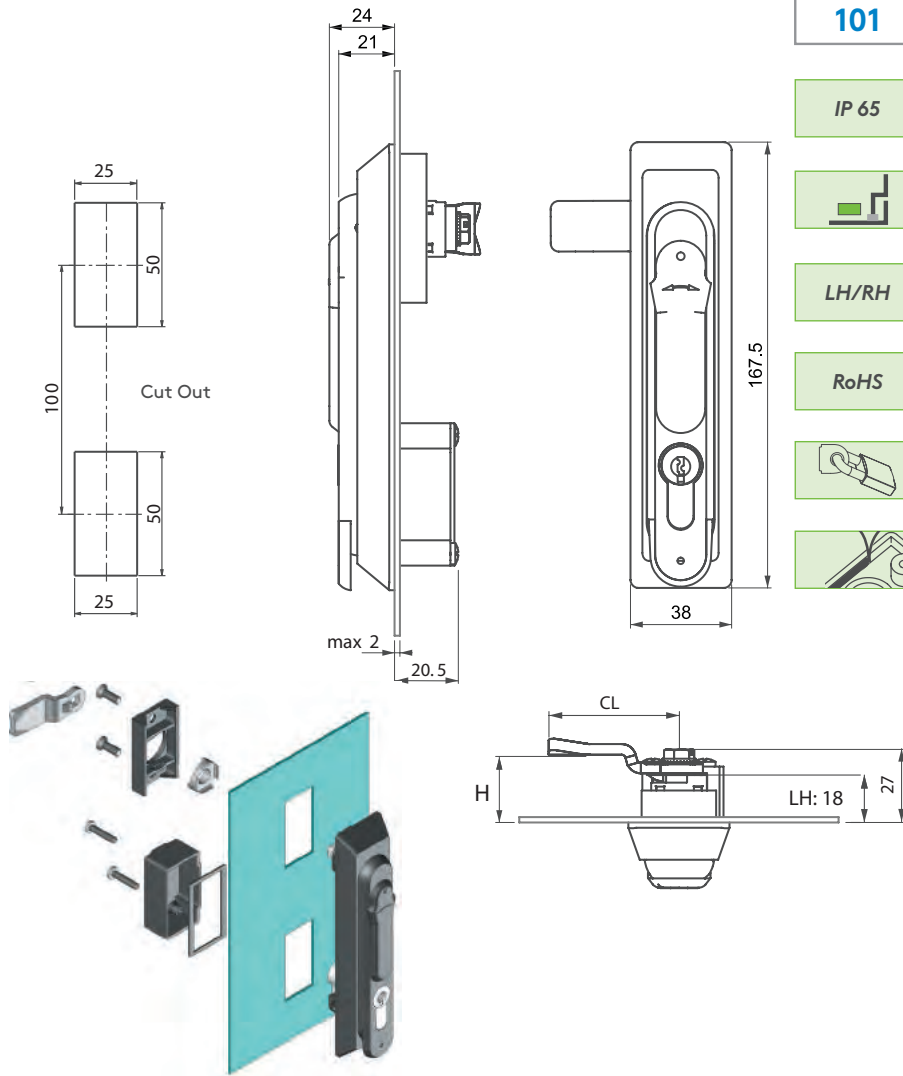
CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

NO CYLINDER	DD
Plastic blind cylinder	24

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91

HIGH-SECURITY CYLINDER			
Brass cylinder	Zamak cylinder		
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23

- For cams please check pages: 146 - 147
- For keys please check pages: 162 - 163
- For rods please check pages: 150- 161



101

SWINGHANDLE

IP 65



LH/RH

RoHS



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- Padlockable version available
- For 42 mm Euro Profile single-cylinder contact Essentra

APPLICATIONS

Electric panels, machinery covers

MATERIAL

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

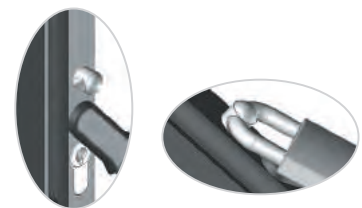
PRODUCT CODE

101 - DD - CC - 1
 GROUP CODE CYLINDER CAM For padlock only

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07
NO CYLINDER		DD
Plastic blind cylinder		24

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91

HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
	Keyed alike		Keyed alike
	Keyed differ		Keyed differ
20	21	22	23



1

Padlock application

- For cams please check pages: 144 - 145
- For keys please check pages: 162 - 163
- For rods please check pages: 150- 161

SWINGHANDLE

ALL IN METAL



501

IP 65

LH/RH

RoHS

- Stainless steel version: page 423
- Die-cast construction stronger than polyamide
- Thin external profile, 14.4 mm, for flush appearance
- High-security, brass, Euro Profile single-cylinder available
- Dust cap available
- Padlockable version available
- For customised colours contact Essentra

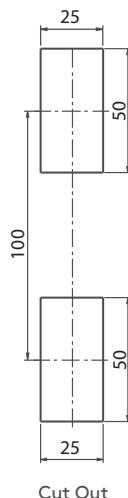
APPLICATIONS

Electric panels, machinery covers

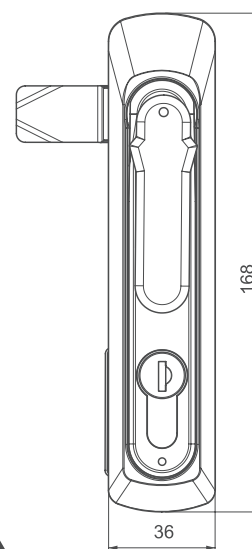
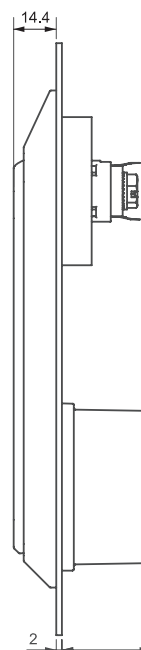
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane
Padlock HASP: Stainless steel

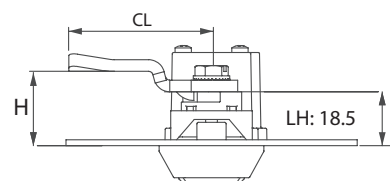
Note: Special espagnolette cam should be used for this application. Please check page 159.



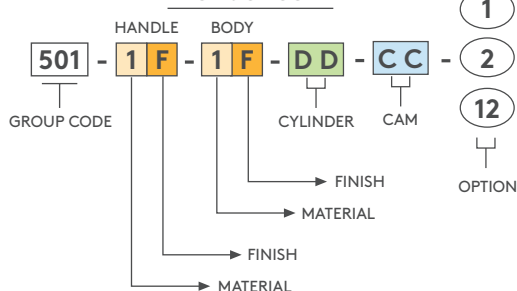
Cut Out



25.5 : Zamak cylinder
 32 : Brass cylinder



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

ZAMAK CYLINDER	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

BRASS CYLINDER	DD
No cylinder	00
Keyed alike	11

HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages: 162 - 163



601

SWINGHANDLE

ALL IN METAL

IP 65



LH/RH



RoHS



- All metal construction
- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single -cylinder fitted
- Improved corrosion resistance
- High-security, brass, Euro Profile single-cylinder available

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY:	Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE:	Zamak DIN-EN 1774-ZnAl4Cu1
COVER:	Zamak DIN-EN 1774-ZnAl4Cu1
SEAL:	Polyurethane

PRODUCT CODE

GROUP CODE: 601 - HANDLE: 1 F - BODY: 1 F - CYLINDER: DD - CAM: CC - 1

1: For padlock only

1: Padlock application

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

ZAMAK CYLINDER	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

BRASS CYLINDER	DD
No cylinder	00
Keyed alike	11

HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23

- For cams please check pages: 144 - 145
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

SWINGHANDLE

408

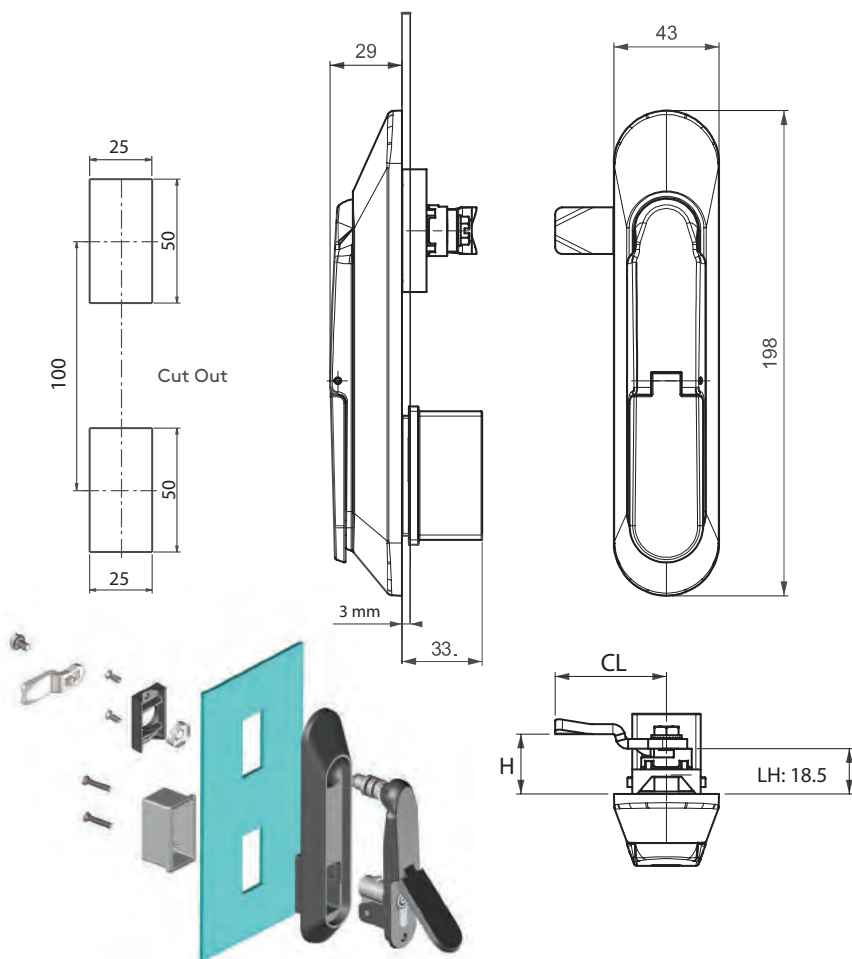
ALL IN METAL



IP 66

LH/RH

RoHS



- All metal construction
- Special geometry protects against vandalism
- Double o-ring handle improves IP rating
- High-security cylinder alternative available
- Improved IP rating with moving dust cap

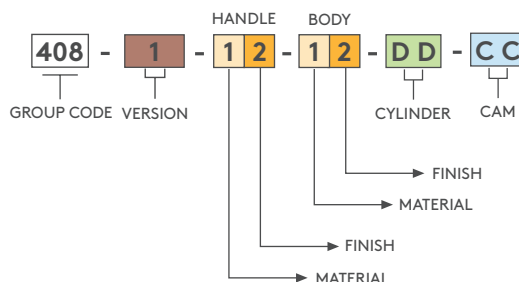
APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

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

PRODUCT CODE



CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

MATERIAL	M
Zamak	1
FINISH	F
Black coated	2

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91

HIGH-SECURITY CYLINDER	
Zamak cylinder	
Keyed alike	Keyed differ
22	23

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages: 162 - 163



ALL IN METAL

RoHS



- All metal construction
- Special geometry for protection against vandalism
- Double o-ring handle improves IP rating
- High-security cylinder alternative
- Improves IP rating with moving dust cap

408 - 3 - 12 - 12 - DD - CC

GROUP CODE VERSION HANDLE BODY CYLINDER CAM

FINISH MATERIAL FINISH MATERIAL

FINISH	F
Black coated	2



Electric panels, Outdoor cabinets

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

- For cams please check pages: 144 - 145
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

SWINGHANDLE

105

ALL IN METAL



IP 65



LH/RH

RoHS

- All metal construction
- Improved corrosion resistance
- Double o-ring used for handle provides improved IP rating
- High security cylinder alternative
- Better IP rating with moving dust cap

APPLICATIONS

Outdoor cabinets

MATERIAL

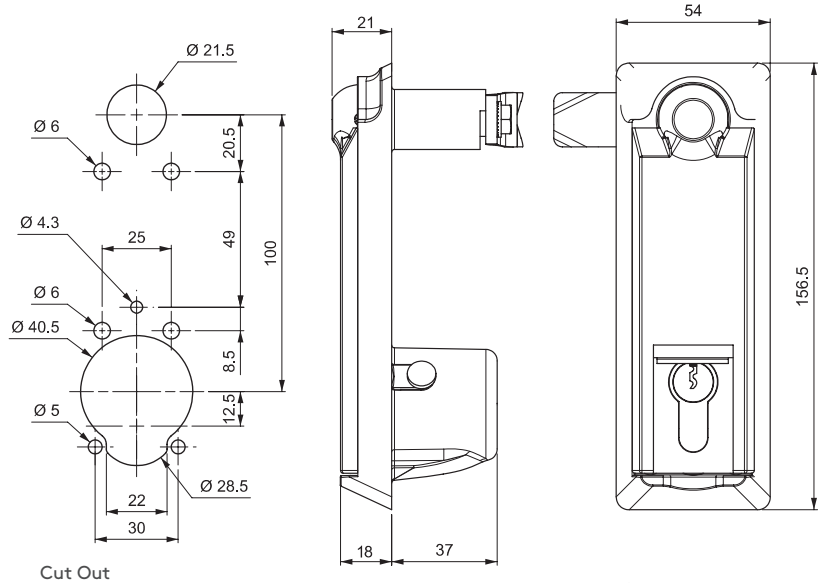
BODY: Zamak DIN-EN 774-ZnAl4Cu13

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

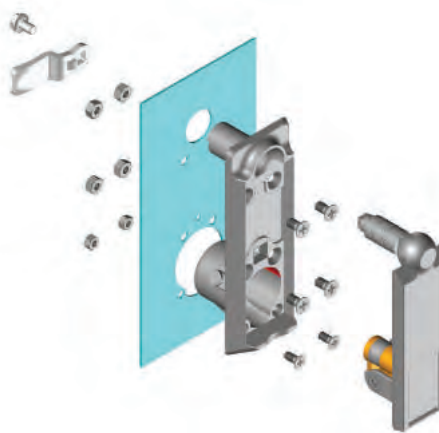
CAM: Stainless Steel

SEAL: Polyurethane

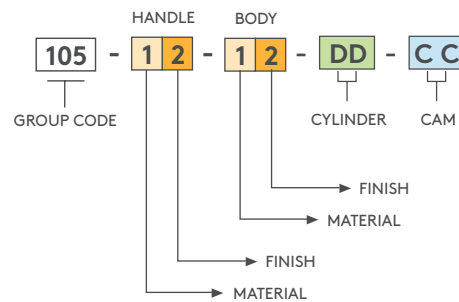
DUST CAP: Stainless Steel



Cut Out



PRODUCT CODE



BRASS CYLINDER

DD

No Cylinder

00

Keyed Alike

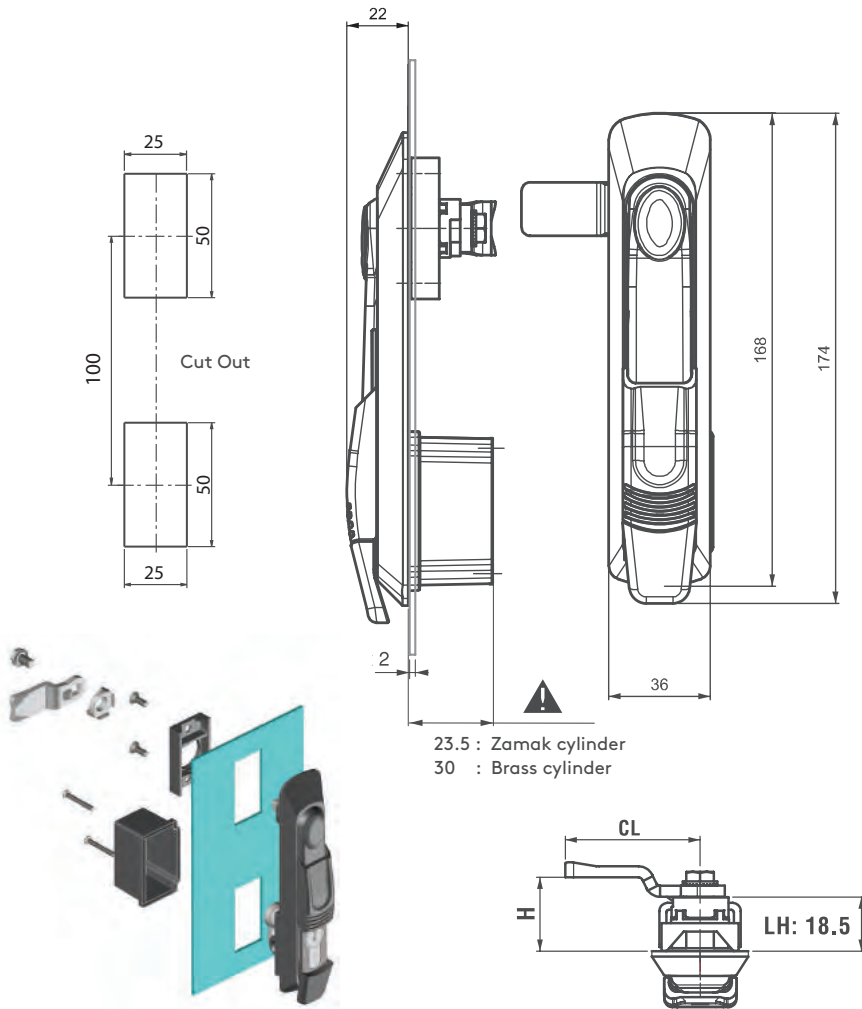
11



For cams please check pages: 144 - 145



For rods please check pages: 150 - 161



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SWINGHANDLE

IP 65

LH/RH

RoHS



- Sliding dust cover
- Ergonomic handle
- Padlockable version available
- 40 mm Euro Profile cylinder fitted

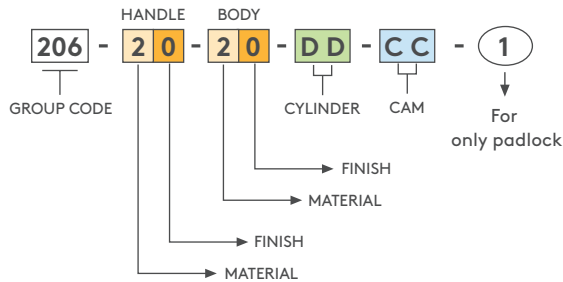
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 774-ZnAl4Cu13
Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE



CYLINDER TYPE

	DD
Keyed alike	01
Keyed differ	02
Master system	04
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07

DRIVER TYPE

5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91

NO CYLINDER

Plastic blind cylinder	DD
	24



1

Padlock application
Special sliding cover is available for padlockable version

- For cams please check pages: 144 - 145
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

SWINGHANDLE

306



- Sliding dust cover
- Ergonomic handle
- Padlockable version available

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: PA6 GFR 30 or Zamak
CAM: Steel – PA6 GFR 30
SEAL: Polyurethane



Padlock application

Special sliding cover is available for padlockable version



For cams please check pages: 144 - 145



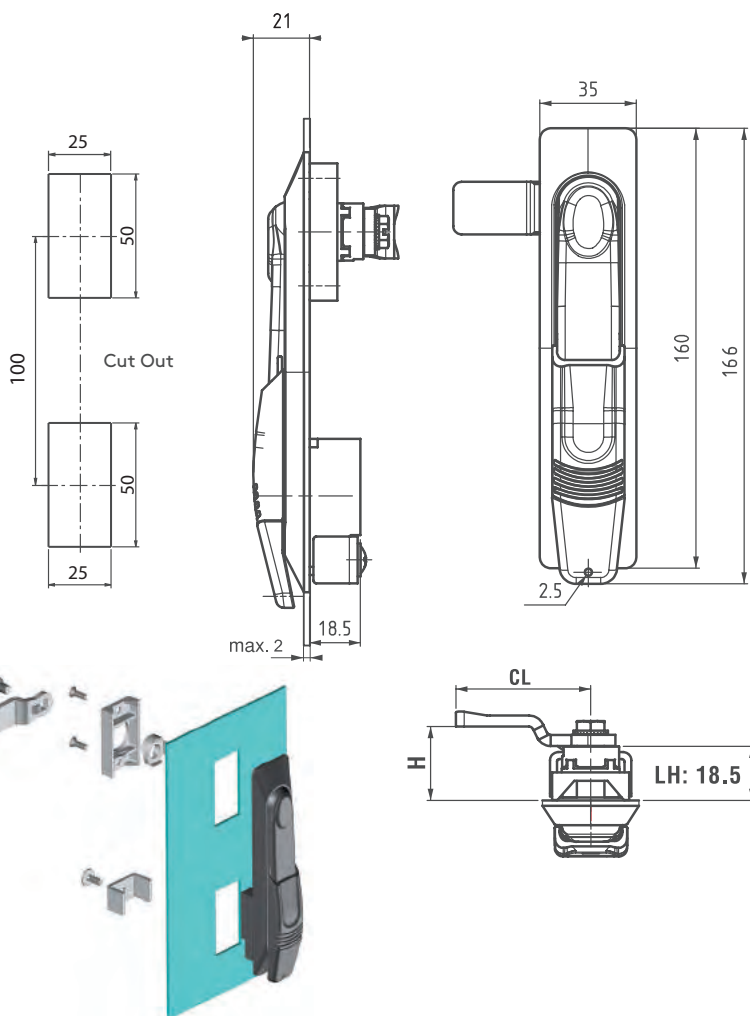
For rods please check pages: 150 - 161

IP 65

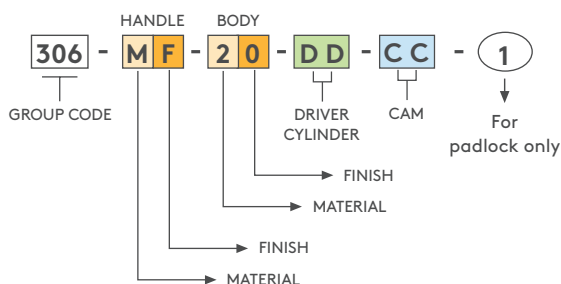


LH/RH

RoHS



PRODUCT CODE



DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

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

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



106

SWINGHANDLE

IP 65



LH/RH



RoHS



- More suitable for indoor applications
- Spring-loaded, slam-action swinghandle
- Sliding dust cover
- Suited for outside gasketing application

APPLICATIONS

Electric panels, machinery covers, rack cabinets

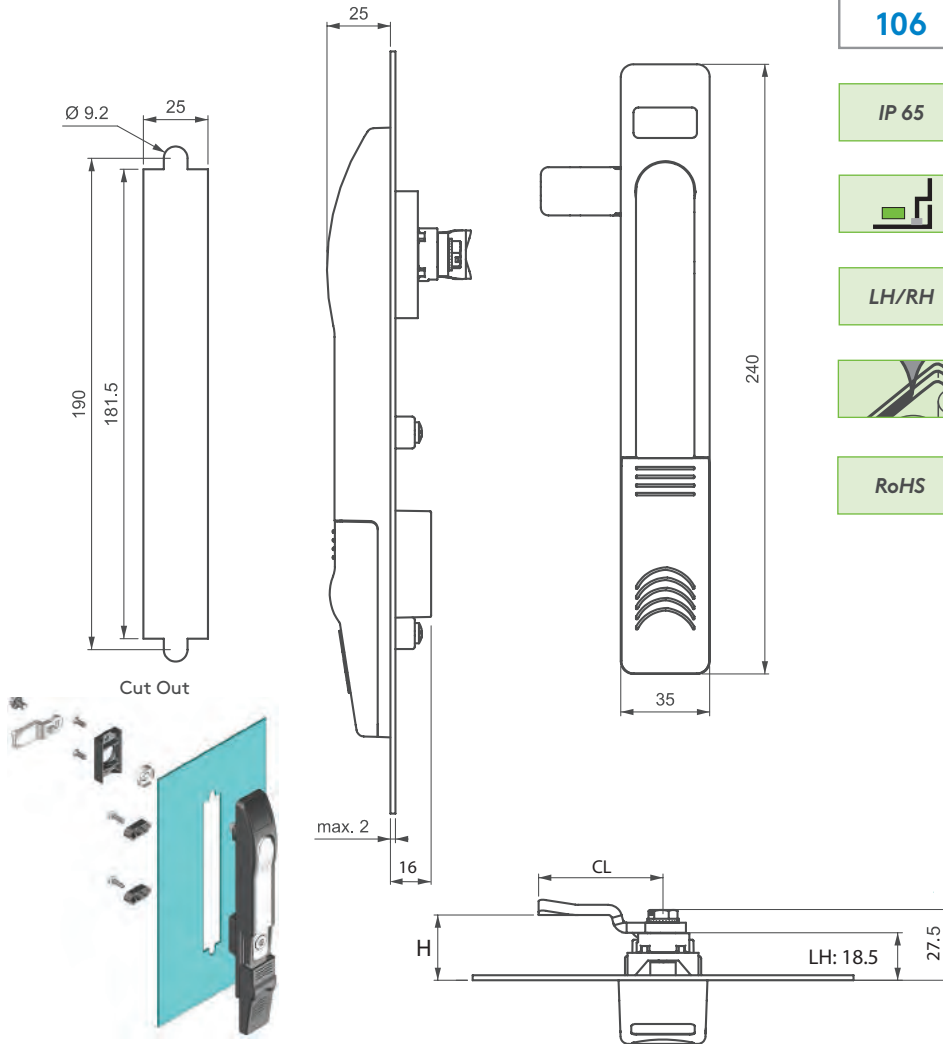
MATERIAL

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

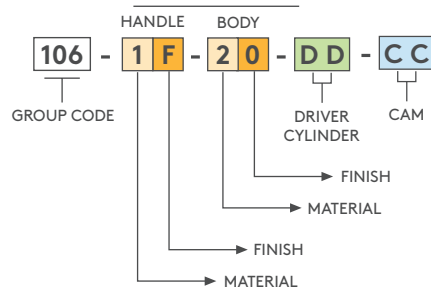
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

SEAL: Polyurethane



PRODUCT CODE



DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

MATERIAL	
Zamak	1
Plastic	2
FINISH	
Chrome	1
Black coated	2

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

For cams please check pages: 144 - 145

For rods please check pages: 150- 161

For keys please check pages: 162 - 163

SWINGHANDLE

008

IP 65

LH/RH

RoHS



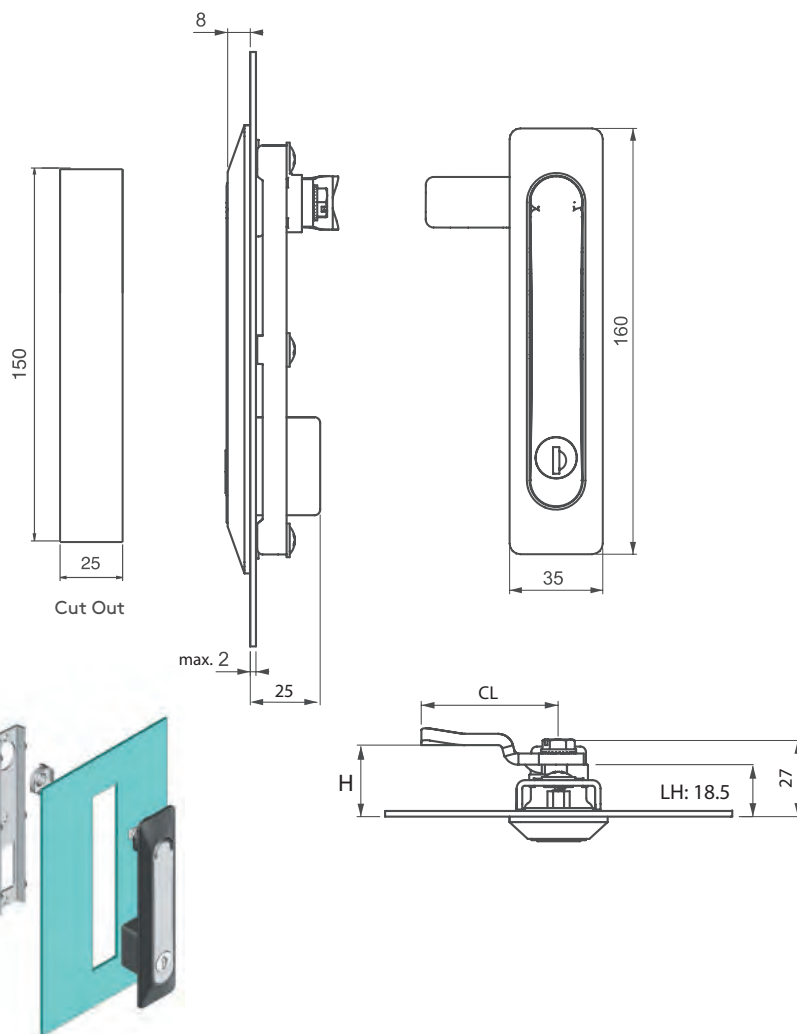
- Cut out 25 mm x 150 mm
- Steel fixing bracket for improved stability and grounding
- Ultra-low external profile, 8 mm, for flush appearance
- Spring-loaded, slam-action swinghandle

APPLICATIONS

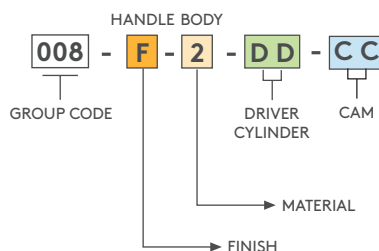
Electric panels, machinery covers, rack cabinets

MATERIAL

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



PRODUCT CODE



MATERIAL	M
Plastic	2

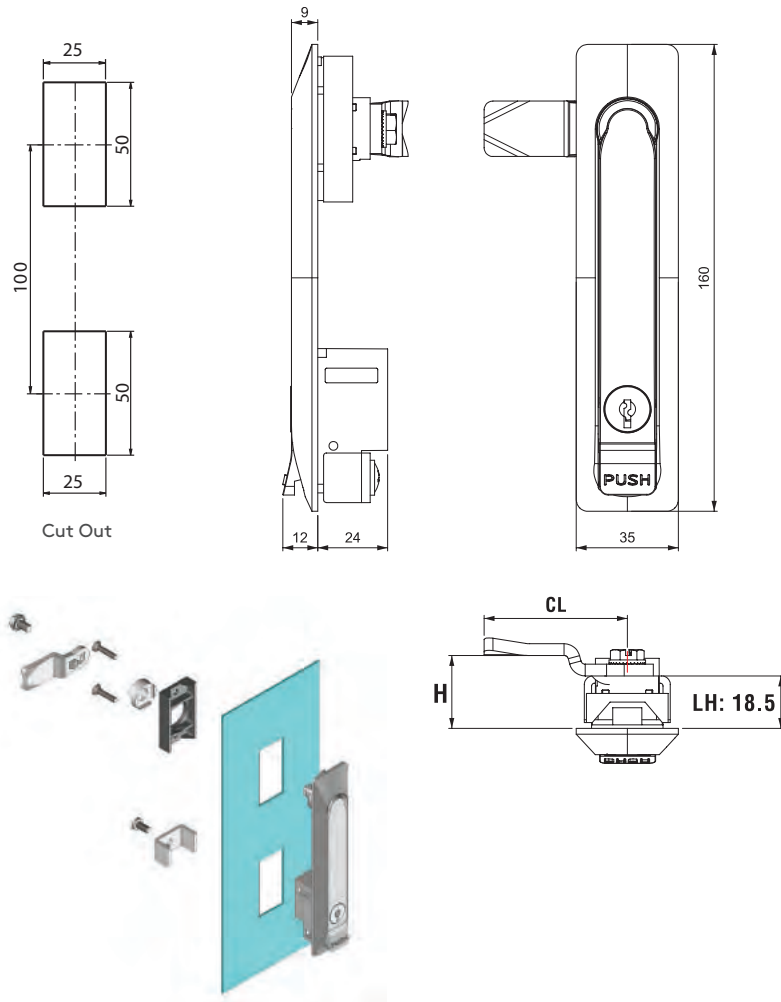
FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER	
Keyed alike	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER TYPE		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages: 162 - 163



908

SWINGHANDLE



IP 65



LH/RH



RoHS



- Swinghandle with push button
- Standard cut out
- Ultra low external profile, just 9 mm, to give flush appearance

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY : Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

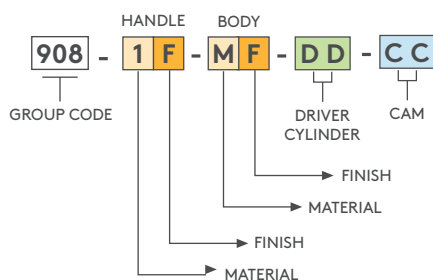
HANDLE : Zamak DIN-EN 1774-ZnAl4Cu1

CAM : Steel or PA6 GFR 30
SEAL : Polyurethane



No Cylinder '00'

PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

HIGH-SECURITY CYLINDER

Keyed alike	20
Keyed differ	21

DRIVERS

5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER TYPE

CYLINDER TYPE	DD
No Cylinder	00
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
Master system	04
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07

- For cams please check pages: 144 - 145
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

SWINGHANDLE

108

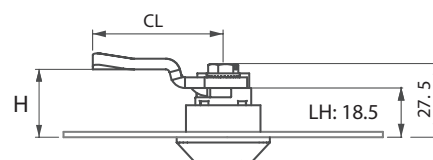
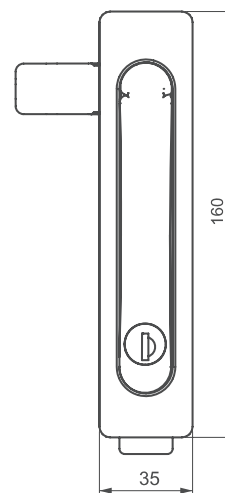
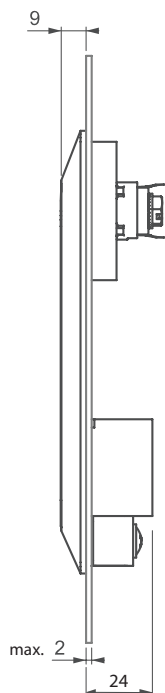
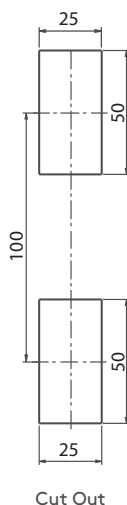
ALL IN METAL



IP 65

LH/RH

RoHS



- All metal construction
- Stronger and better looking than polyamide
- Spring-loaded, slam-action swim handle
- For customised colours contact Essentra

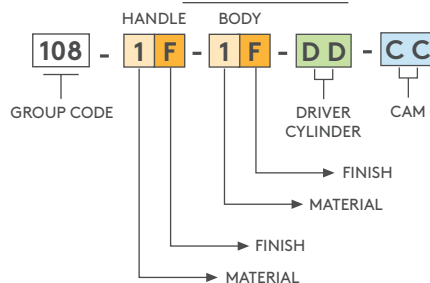
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or PA6 GFR 30
SEAL: Polyurethane

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER	
Keyed alike	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER TYPE		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages: 162 - 163



108

SWINGHANDLE

IP 65



LH/RH



RoHS



- Standard cut out
- Ultra-low external profile, 9 mm, for flush appearance
- Spring-loaded, slam-action swinghandle

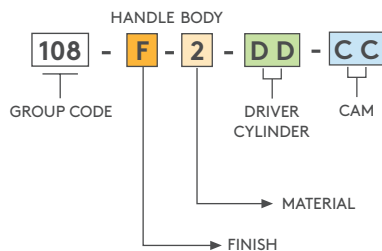
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

PRODUCT CODE



MATERIAL	M
Plastic	2

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER



Keyed alike

Keyed differ

20

21

DRIVERS

5 mm Double bit



15

8 mm Square



28

9 mm Triangular



39

CYLINDER TYPE



Stainless steel dust cap (Keyed alike)

DD

03

Stainless steel dust cap (Keyed differ)

32

Master system

04

Euro key (5333)

05

CH751 (Stainless steel dust cap)

07

For cams please check pages: 144 - 145

For rods please check pages: 150- 161

For keys please check pages: 162 - 163

SWINGHANDLE

108

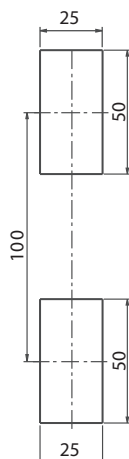
ALL IN METAL



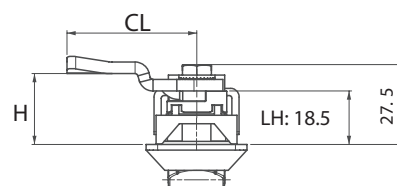
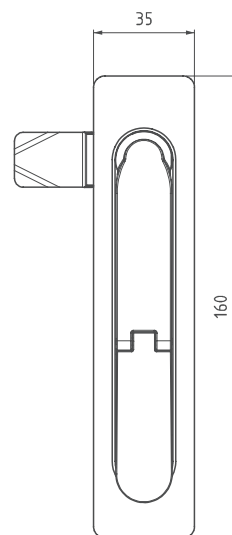
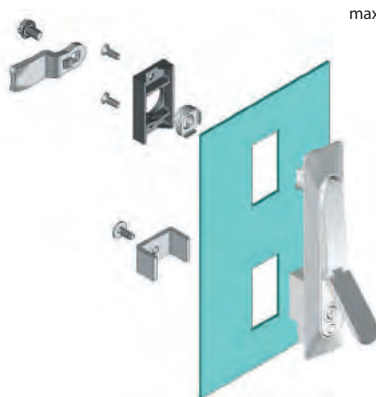
IP 65

LH/RH

RoHS



Cut Out



- All metal construction
- Improved corrosion resistance.
- High-security cylinder alternative
- Improved IP resistance with moving dust cap

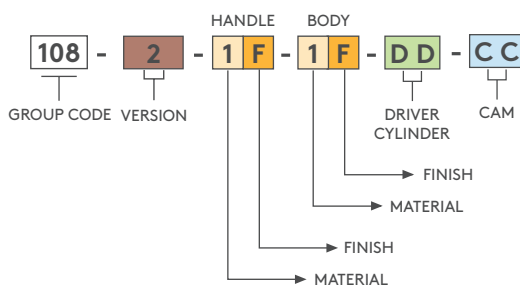
APPLICATIONS

Electric panels, outdoor cabinets, rack cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or PA6 GFR 30
SEAL: Polyurethane

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER

Keyed alike	Keyed differ
20	21

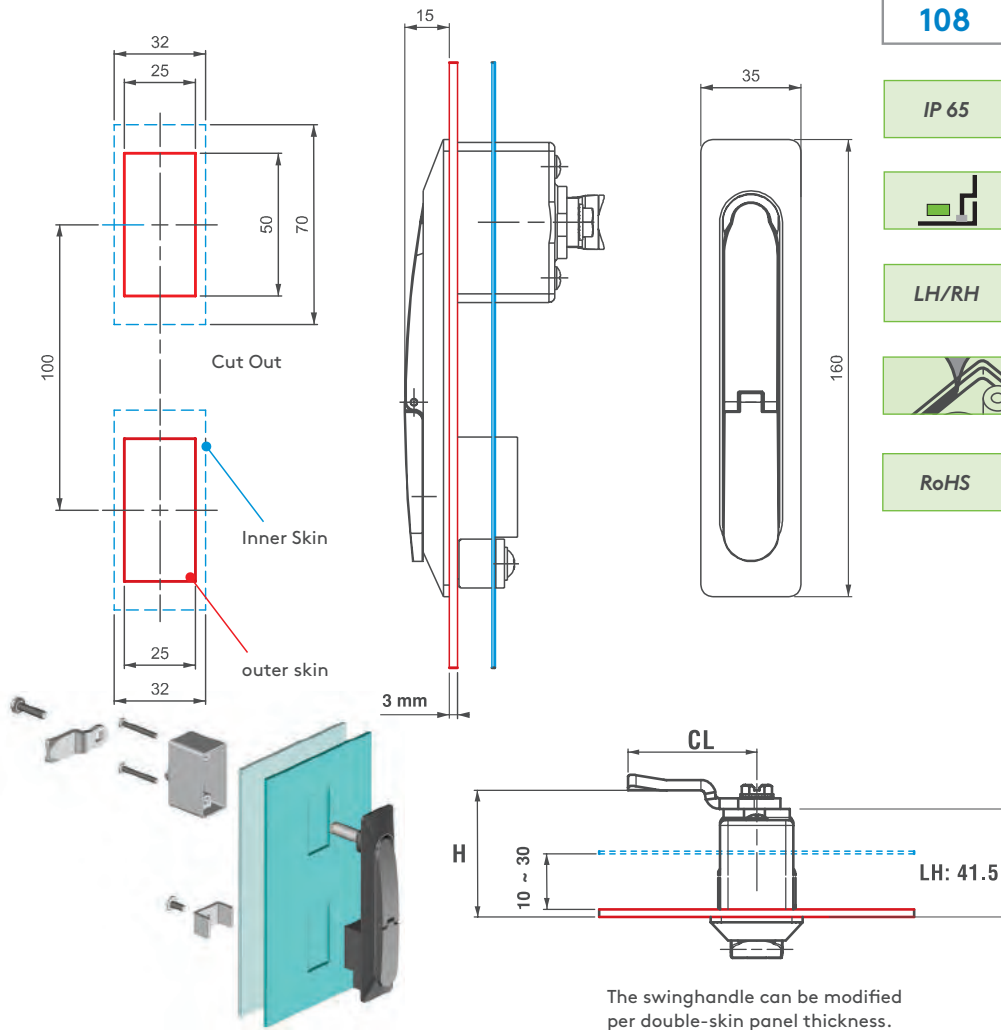
DRIVERS

5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER TYPE

	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
Master system	04
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages: 162 - 163



108

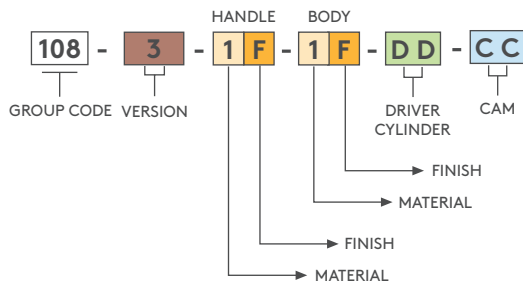
SWINGHANDLE

ALL IN METAL



- Ideal for double-skin doors and outdoor cabinets
- Improved strength to protect against vandalism
- High-security cylinder with special shaped key prevents unauthorized duplication
- Improved IP resistance with moving dust cap
- Spring-loaded, slam-action swinghandle

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER	
	Keyed alike
	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER TYPE		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

APPLICATIONS

Electric panels, outdoor cabinets
rack cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or PA6 GFR 30
SEAL: Polyurethane

- For cams please check pages: 144 - 145
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

SWINGHANDLE

208

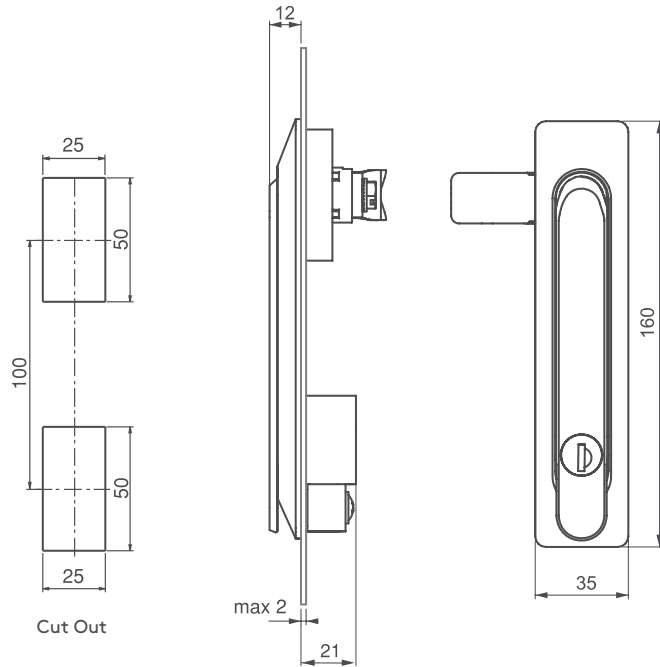
ALL IN METAL



IP 65

LH/RH

RoHS



- All metal construction
- Stronger and better looking than polyamide
- Handle is not spring loaded and slam action
- Key can be removed at unlocked position

APPLICATIONS

Electric panels, machinery covers, rack cabinets

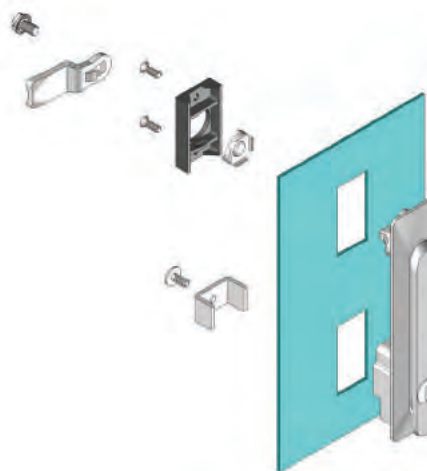
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel or PA6 GFR 30

SEAL: Polyurethane



①

Padlock application

PRODUCT CODE

208 - **1** - **F** - **DD** - **CC** - **1**

GROUP CODE MATERIAL FINISH CYLINDER CAM For padlock only

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

For cams please check pages: 144 - 145

For rods please check pages: 150- 161



208

SWINGHANDLE

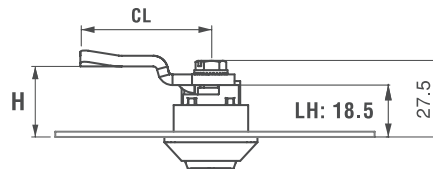
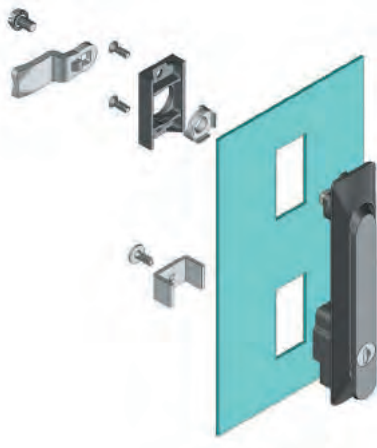
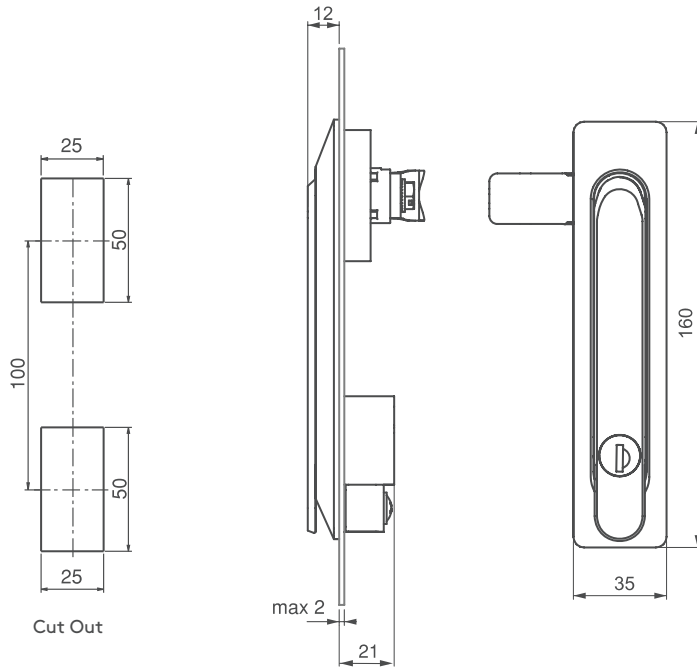
IP 65



LH/RH



RoHS



- Can be used for indoor applications
- Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

PRODUCT CODE

208 - **2** - **0** - **DD** - **CC**
 GROUP CODE MATERIAL FINISH CYLINDER CAM

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 144 - 145



For rods please check pages: 150- 161

SWINGHANDLE

218



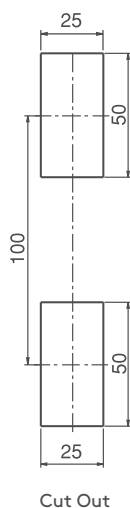
IP 65



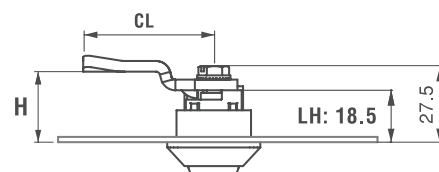
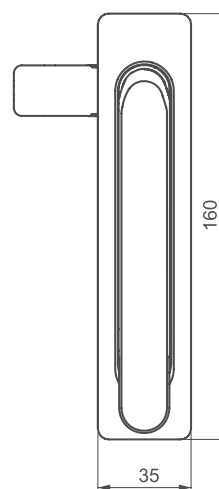
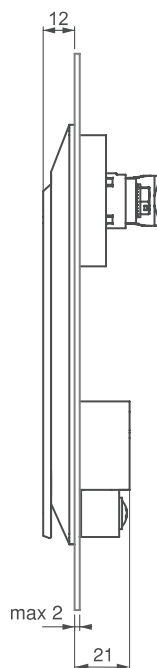
LH/RH



RoHS



Cut Out



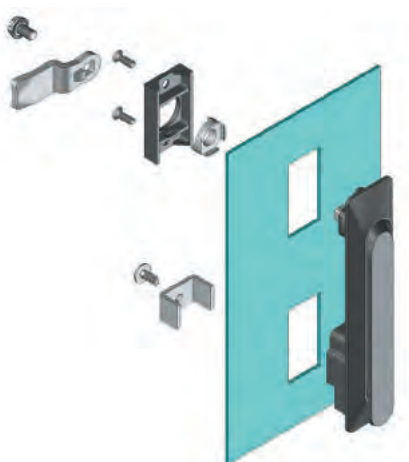
- Concealed special cam on the handle provides fixing
- For indoor and outdoor applications
- Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel or PA6 GFR 30
SEAL: Polyurethane



PRODUCT CODE

218 - **M** - **F** - **CC**
 GROUP CODE MATERIAL FINISH CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

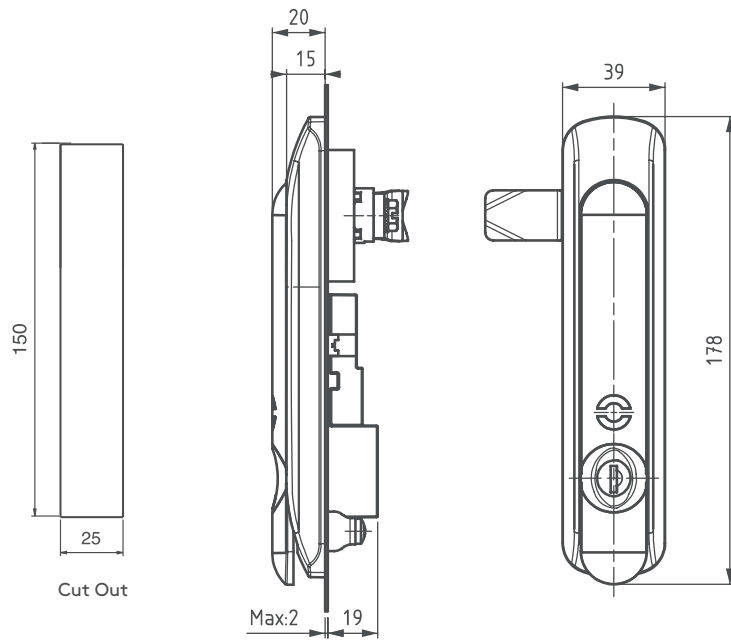


For cams please check pages: 144 - 145



808

SWINGHANDLE



LH/RH

RoHS



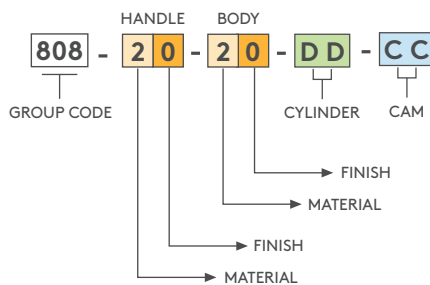
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

PRODUCT CODE



CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 144 - 145



For rods please check pages: 150- 161

SWINGHANDLE

708



LH/RH



RoHS



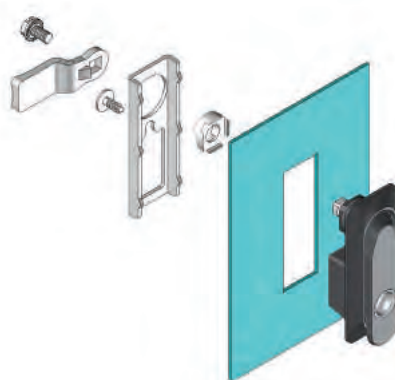
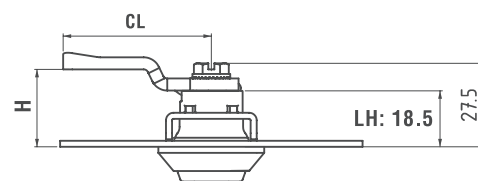
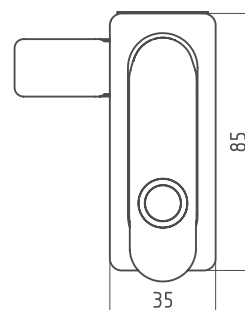
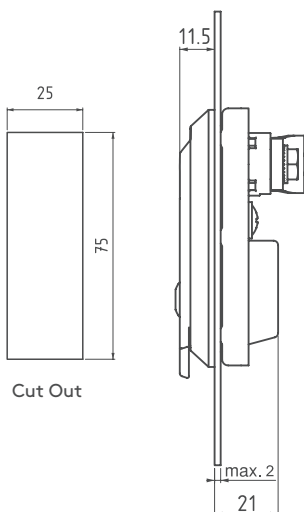
- Can be used for internal applications
- Lock can be opened by pressing the button
- 25 X 75 mm cut out

APPLICATIONS

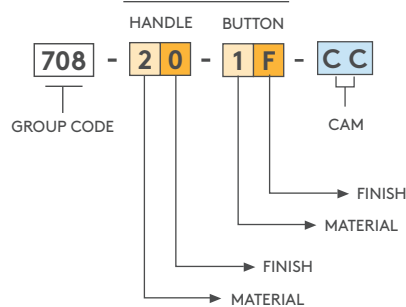
Electric panels, machinery covers, rack cabinets

MATERIAL

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



PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

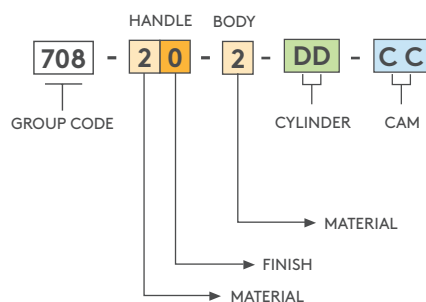


For cams please check pages: 144 - 145



- | | |
|-----------|---|
| BODY: | Polyamide DIN-EN ISO
1043-1 PA6 GFR 30 |
| HANDLE: | Polyamide DIN-EN ISO
1043-1 PA6 GFR 30 |
| CYLINDER: | Zamak DIN-EN
1774-ZnAl4Cu1 |
| CAM: | Steel |
| SEAL: | Polyurethane |

HANDLE	BODY
1	1
2	2
3	3
4	4
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6	6
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8	8
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10	10
11	11
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93	93
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95	95
96	96
97	97
98	98
99	99
100	100



CYLINDER TYPE		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



39

SWINGHANDLE

308

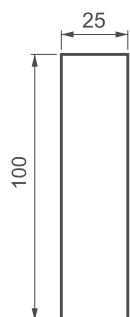
SMALL VERSION



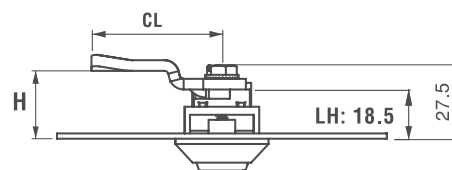
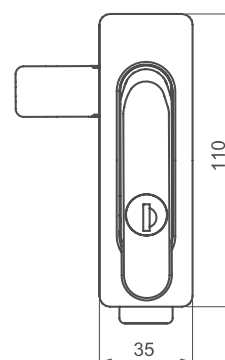
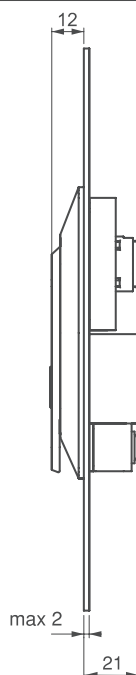
IP 65

LH/RH

RoHS



Cut Out



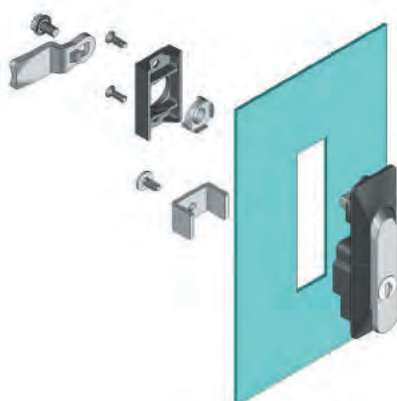
- For indoor and outdoor applications
- 25 mm x 100 mm cut out

APPLICATIONS

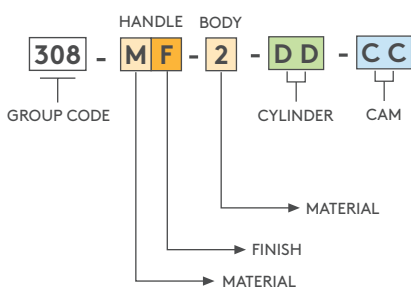
Electric panels, machinery covers, rack cabinets

MATERIAL

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



PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

HIGH-SECURITY CYLINDER



Keyed alike

Keyed differ

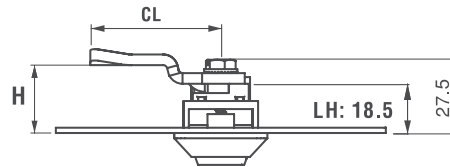
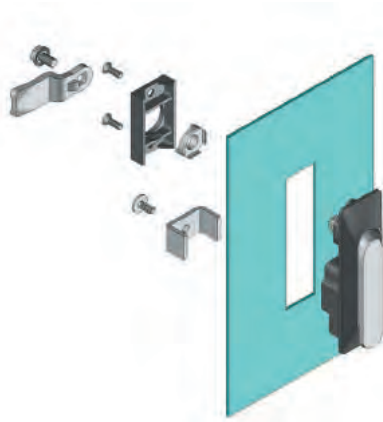
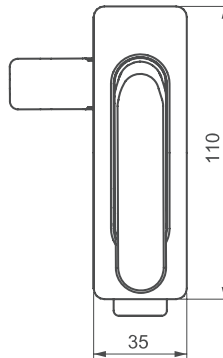
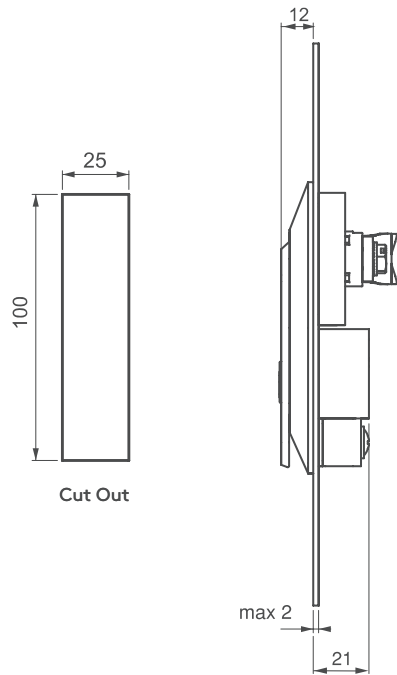
20

21

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 144 - 145



318

SWINGHANDLE

SMALL VERSION

IP 65



LH/RH



RoHS



- Concealed special cam on handle for fixing
- For indoor and outdoor applications
- Offers an economical solution
- 25 mm x 100 mm cut out

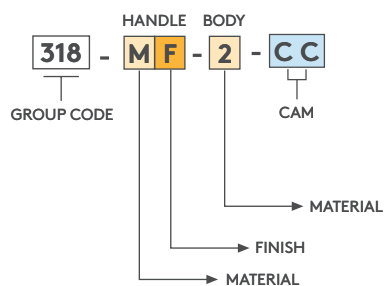
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0



For cams please check pages: 144 - 145

SWINGHANDLE

518

ALL IN METAL

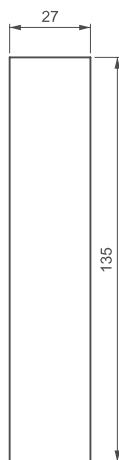


IP 65

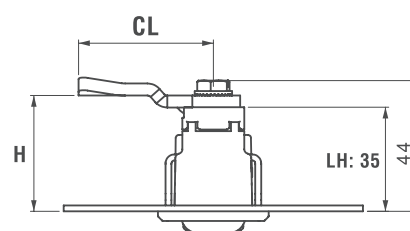
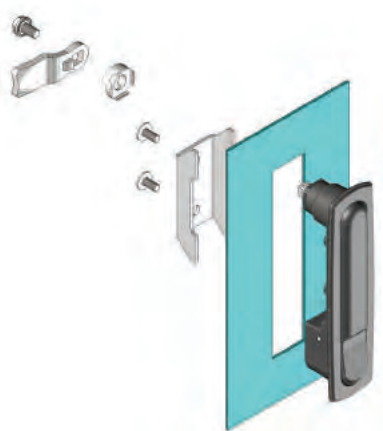
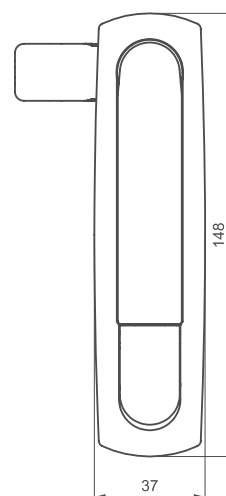
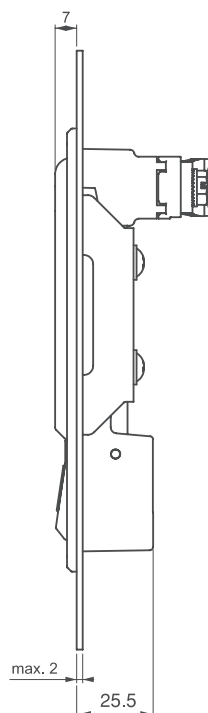
LH/RH



RoHS



Cut Out



- Swinghandle with push button
- Can assemble with one fixing bracket
- Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

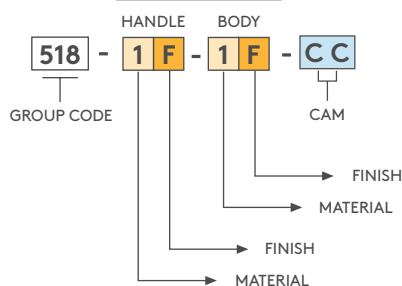
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel or PA6 GFR 30

SEAL: Polyurethane

PRODUCT CODE



FINISH	F
Chrome	1
Black coated	2

For cams please check pages: 144 - 145



508

SWINGHANDLE

ALL IN METAL



LH/RH



RoHS



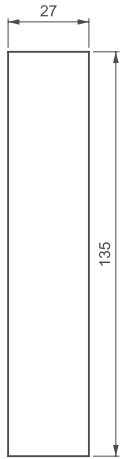
- Swinghandle with push button
- Can assemble with one fixing bracket
- Offers an economical solution

APPLICATIONS

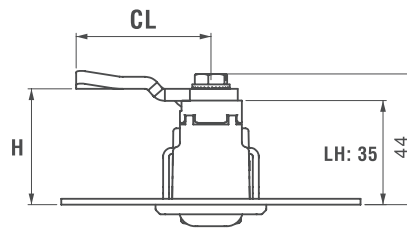
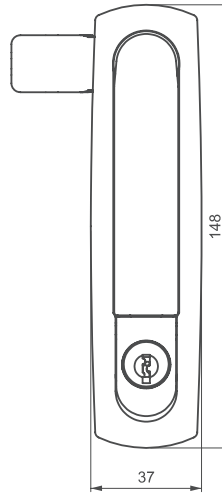
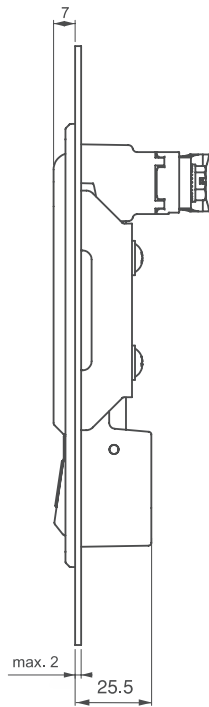
Electric panels, machinery covers, rack cabinets

MATERIAL

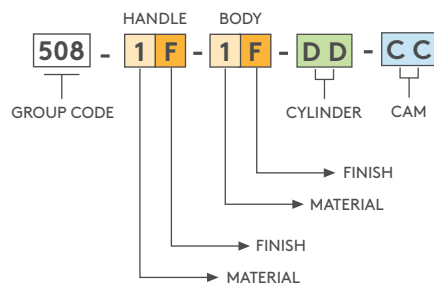
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or PA6 GFR 30
SEAL: Polyurethane



Cut Out



PRODUCT CODE



FINISH	
Chrome	1
Black coated	2

CYLINDER	SPECIFICATIONS	
	Keyed alike	01
	Keyed differ	02

For cams please check pages: 144 - 145

SWINGHANDLE

006

IP 65

LH/RH

RoHS



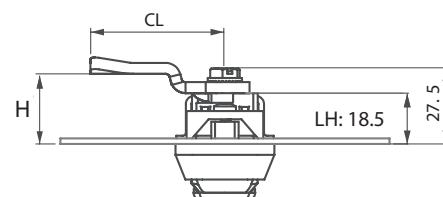
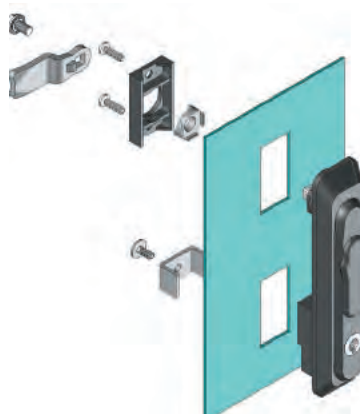
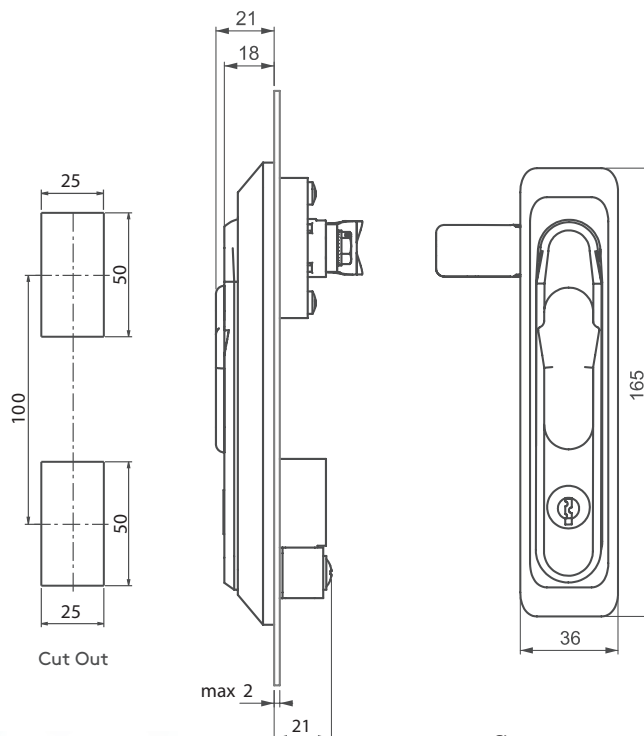
- Lower strength swinghandle that accepts: cylindrical drivers only
- Spring-loaded, slam-action swinghandle
- For indoor and outdoor application

APPLICATIONS

Electric panels, machinery covers

MATERIAL

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



PRODUCT CODE

006 - DD - CC
 GROUP CODE DRIVER CYLINDER CAM

DRIVERS

5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

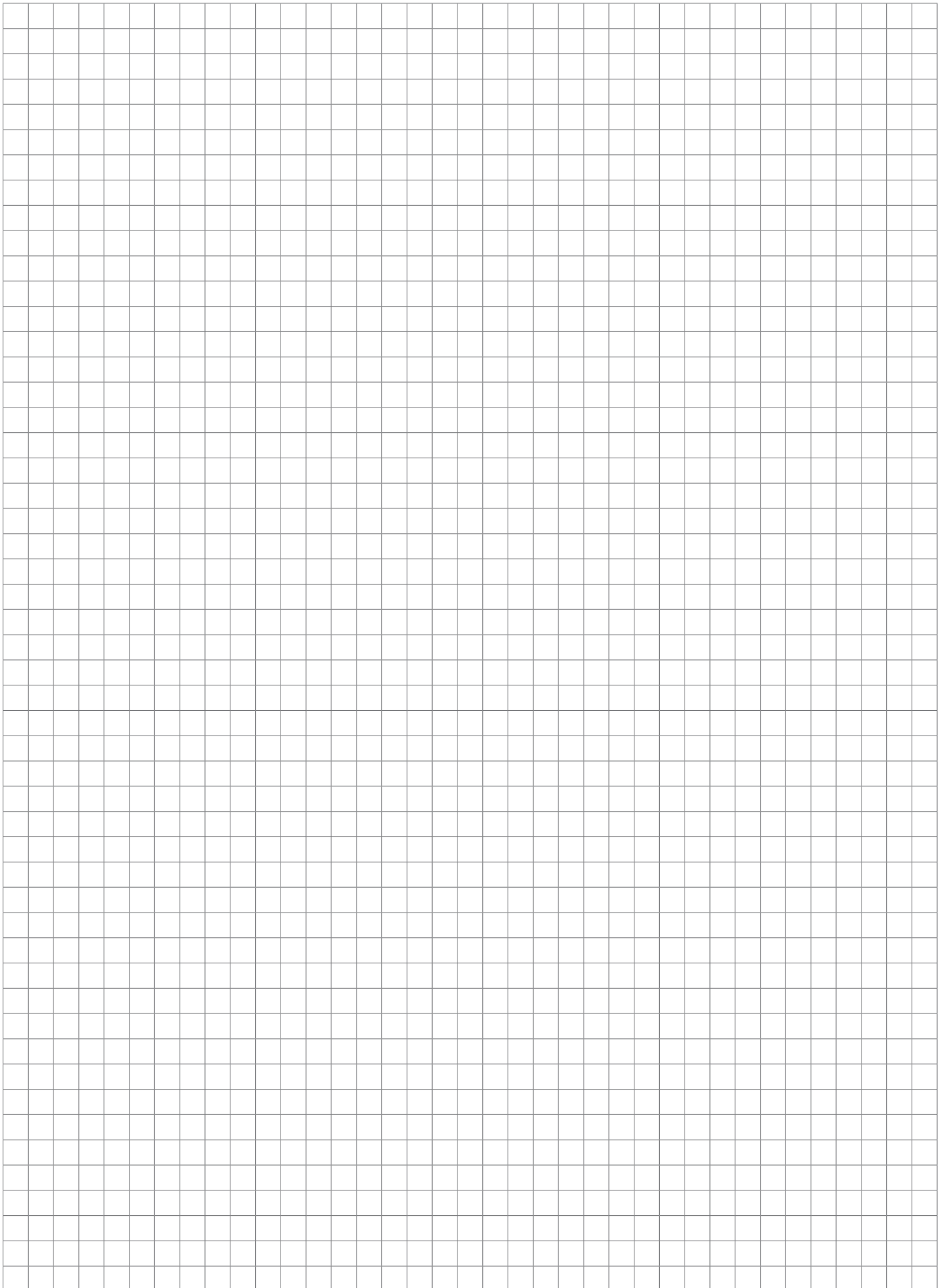
CYLINDER TYPE

	DD
	01
Keyed differ	02
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07

For cams please check pages: 144 - 145

For rods please check pages: 150 - 161

For keys please check pages: 162 - 163





LOCKS



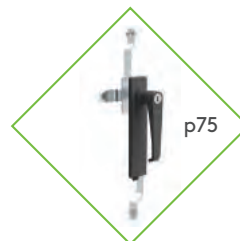
ROD-LATCH SYSTEM

GROUP CODE	PRODUCT NAME
002	SWINGHANDLE – GEAR BOX
102	SWINGHANDLE – GEAR BOX
502	SWINGHANDLE – GEAR BOX
602	SWINGHANDLE – GEAR BOX
409	SWINGHANDLE – GEAR BOX
107	SWINGHANDLE – GEAR BOX
207	SWINGHANDLE – GEAR BOX
307	SWINGHANDLE – GEAR BOX
104	LINEAR HANDLE LOCK
109	SWINGHANDLE – GEAR BOX
909	SWING HANDLE – GEAR BOX
209	SWINGHANDLE – GEAR BOX
219	SWINGHANDLE – GEAR BOX
309	SWINGHANDLE – GEAR BOX
319	SWINGHANDLE – GEAR BOX
007	SWINGHANDLE – GEAR BOX
809	SWINGHANDLE – GEAR BOX
103	THREE-POINT LOCK (wing knob, T and L handle)
203	THREE-POINT LOCK (wing knob, T and L handle)
203	THREE-POINT LOCK
003	THREE-POINT LOCK
103	THREE-POINT LOCK
303	INTERNAL LOCKING SYSTEM



ESSENTRA

	PAGE	
	48	
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	60,61,63,64	
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	65-66	
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	71	
	72 - 73	
	74 - 75	
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	77	
	77	
	78	



ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

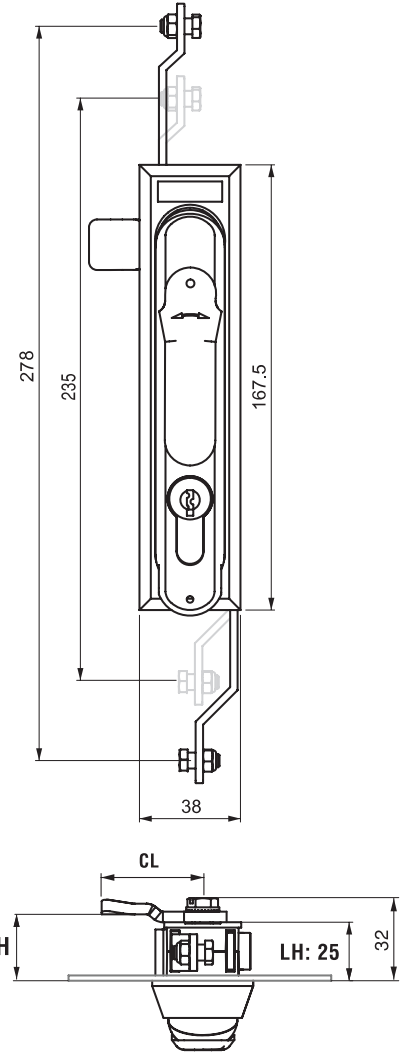
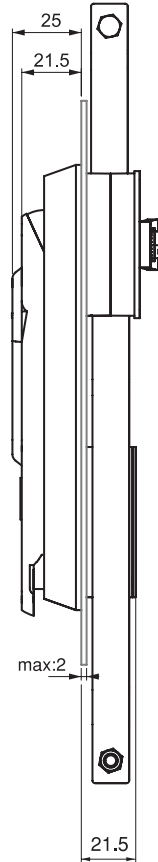
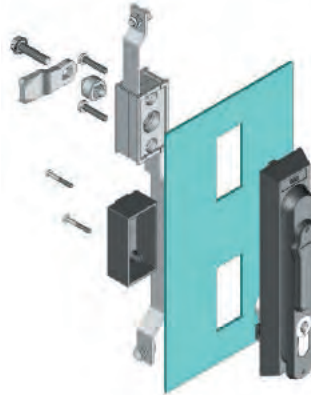
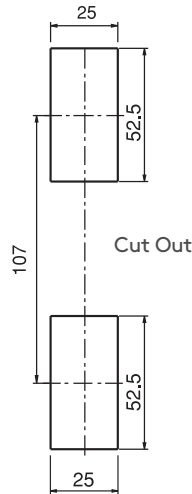
002



LH/RH



RoHS



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- Padlockable version available
- For 42 mm Euro Profile single cylinder contact Essentra

APPLICATIONS

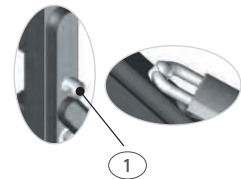
Electric panels, machinery covers

MATERIAL

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
SEAL: Polyurethane

PRODUCT CODE

002 - **DD** - **CC** - **1**
 GROUP CODE CYLINDER CAM For padlock only



Padlock application

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master System	04
	Euro Key (5333)	05
	CH751 (Stainless steel dust cap)	07

NO CYLINDER		DD
Plastic blind cylinder		
		24

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
			
15	28	39	91

HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
			
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23



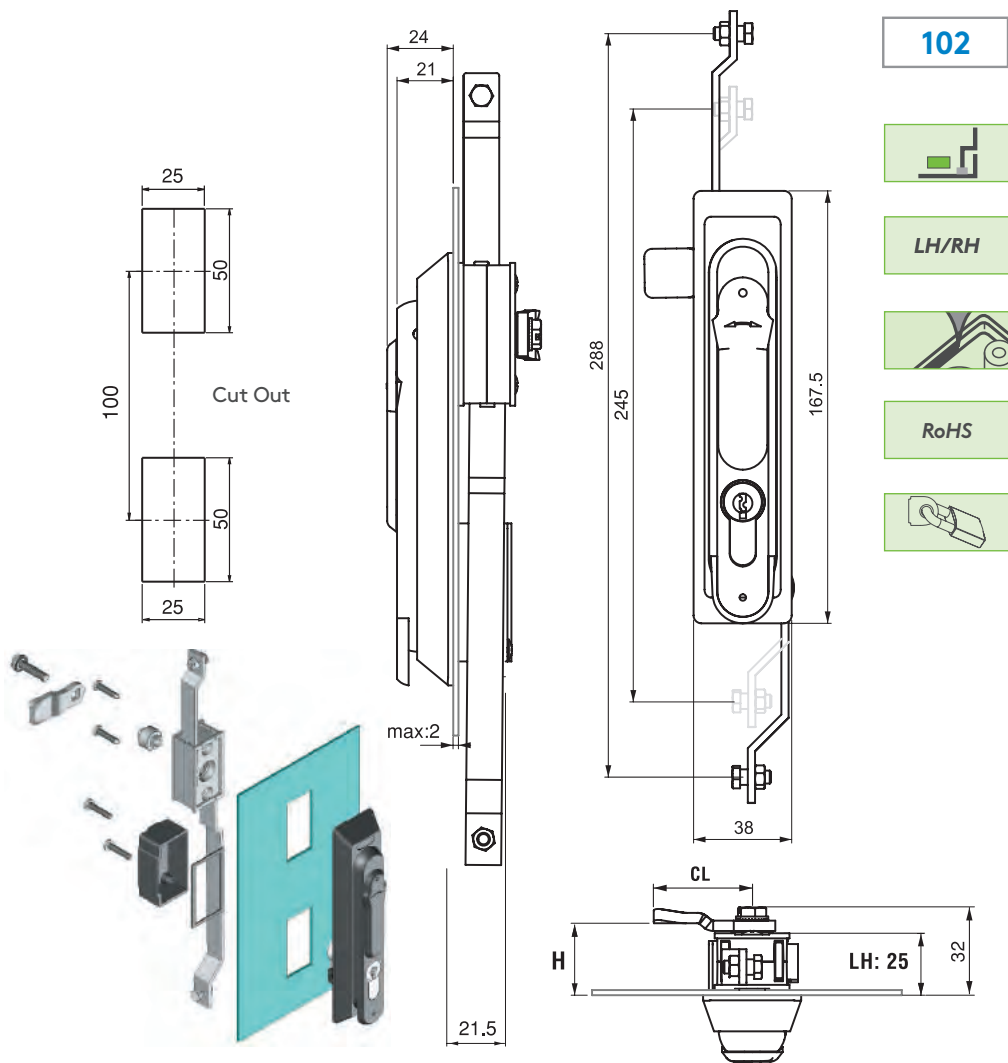
For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



For keys please check pages: 162 - 163



102

SWINGHANDLE GEAR BOX

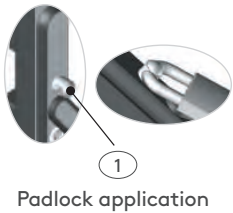
-  LH/RH
-  RoHS
- 



PRODUCT CODE

102 - DD - CC - 1

GROUP CODE CYLINDER CAM For padlock only



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- For 42 mm Euro Profile single cylinder contact Essentra
- Padlockable version available

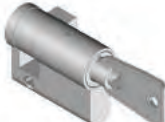
APPLICATIONS
Electric panels, machinery covers

MATERIAL
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
SEAL: Polyurethane

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

NO CYLINDER		DD
		24
Plastic blind cylinder		

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
			
15	28	39	91

HIGH SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
			
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23

-  For cams please check pages: 146 - 147
-  For rods please check pages: 150- 161
-  For keys please check pages: 162 - 163

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

502

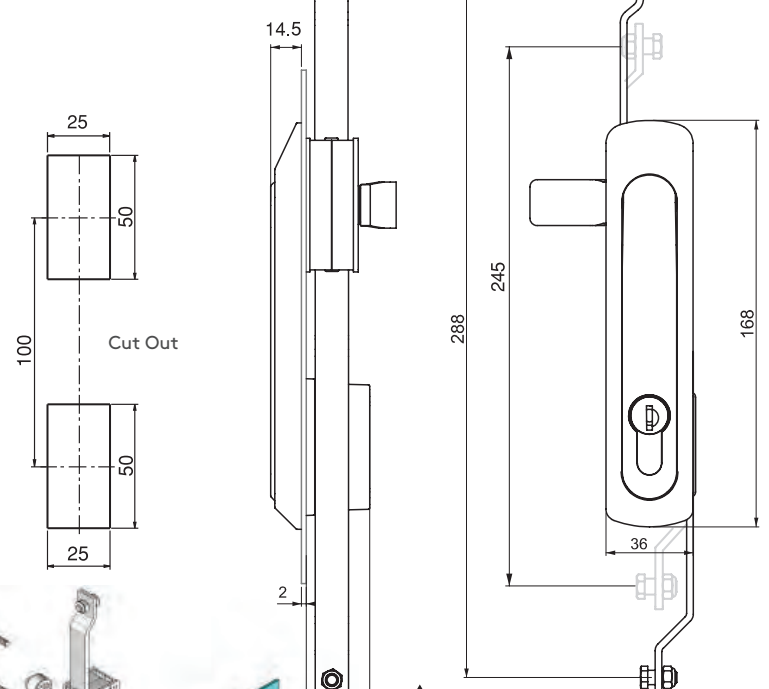
ALL IN METAL



IP 65

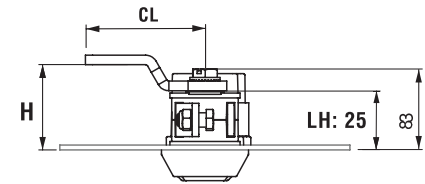
LH/RH

RoHS



25.5: Zamak cylinder

32: Brass cylinder



- Stainless steel version: page 424
- Die-cast construction stronger than polyamide
- Thin external profile, 14.4 mm, for flush appearance
- High-security, brass, Euro Profile single-cylinder available
- Dust cap available
- Padlockable version available
- For different colours contact Essentra

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY:

Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE:

Zamak DIN-EN 1774-ZnAl4Cu1

MECHANISM:

Zamak DIN-EN 1774-ZnAl4Cu1

SEAL:

Polyurethane

For cams please check pages: 146 - 147

For rods please check pages: 150 - 161

For keys please check pages: 162 - 163

PRODUCT CODE

502 - 1 F - 1 F - DD - CC - 12

GROUP CODE

HANDLE

BODY

CYLINDER

CAM

OPTION

FINISH

MATERIAL

1

2

12

1

2

12

Dust cap application

Padlock application

Dust cap + padlock application

MATERIAL

M

FINISH

F

Zamak

1

Chrome

1

Black coated

2

ZAMAK CYLINDER

DD

Stainless steel dust cap (Keyed alike)

03

Stainless steel dust cap (Keyed differ)

32

CH751 (Stainless steel dust cap)

07

BRASS CYLINDER

DD

No cylinder

00

Keyed alike

11

HIGH-SECURITY CYLINDER

Brass cylinder

Zamak cylinder

Keyed alike

Keyed differ

Keyed alike

Keyed differ

20

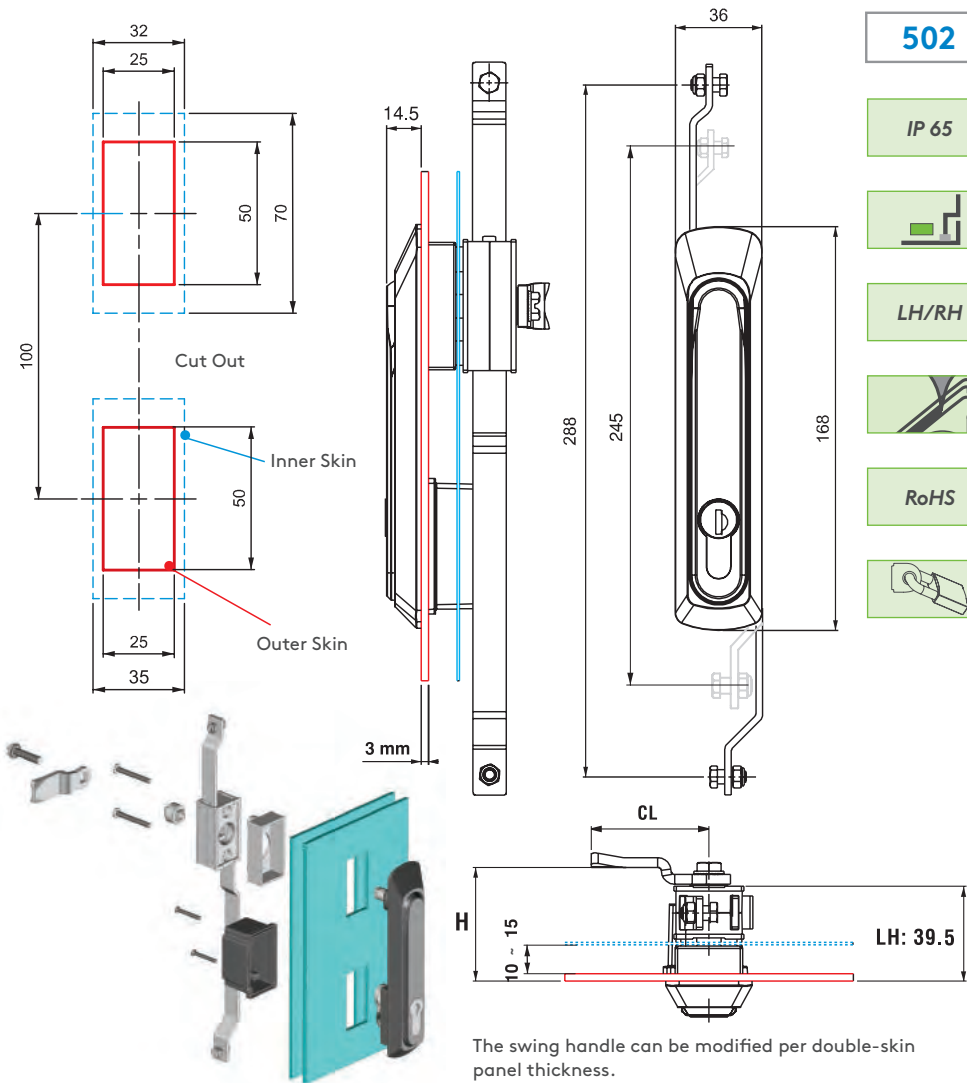
21

22

23

50

tel | 0845 758 5070 fax | 0845 609 0049



502

SWINGHANDLE GEAR BOX

ALL IN METAL

IP 65



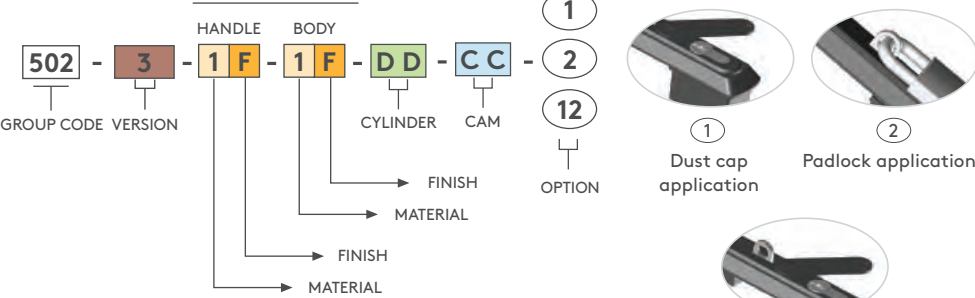
LH/RH



RoHS



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

ZAMAK CYLINDER	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

BRASS CYLINDER	DD
No cylinder	00
Keyed alike	11

HIGH-SECURITY CYLINDER			
Brass cylinder		Zamak cylinder	
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23

- Stainless steel version: page 424
- High-security swing handle for indoor and outdoor cabinets
- Ideal for double-skin door panels and outdoor cabinets
- Spring loaded ,slam-action swing handle
- Dust cap and padlockable versions optional

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
SEAL: Polyurethane

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

ALL IN METAL

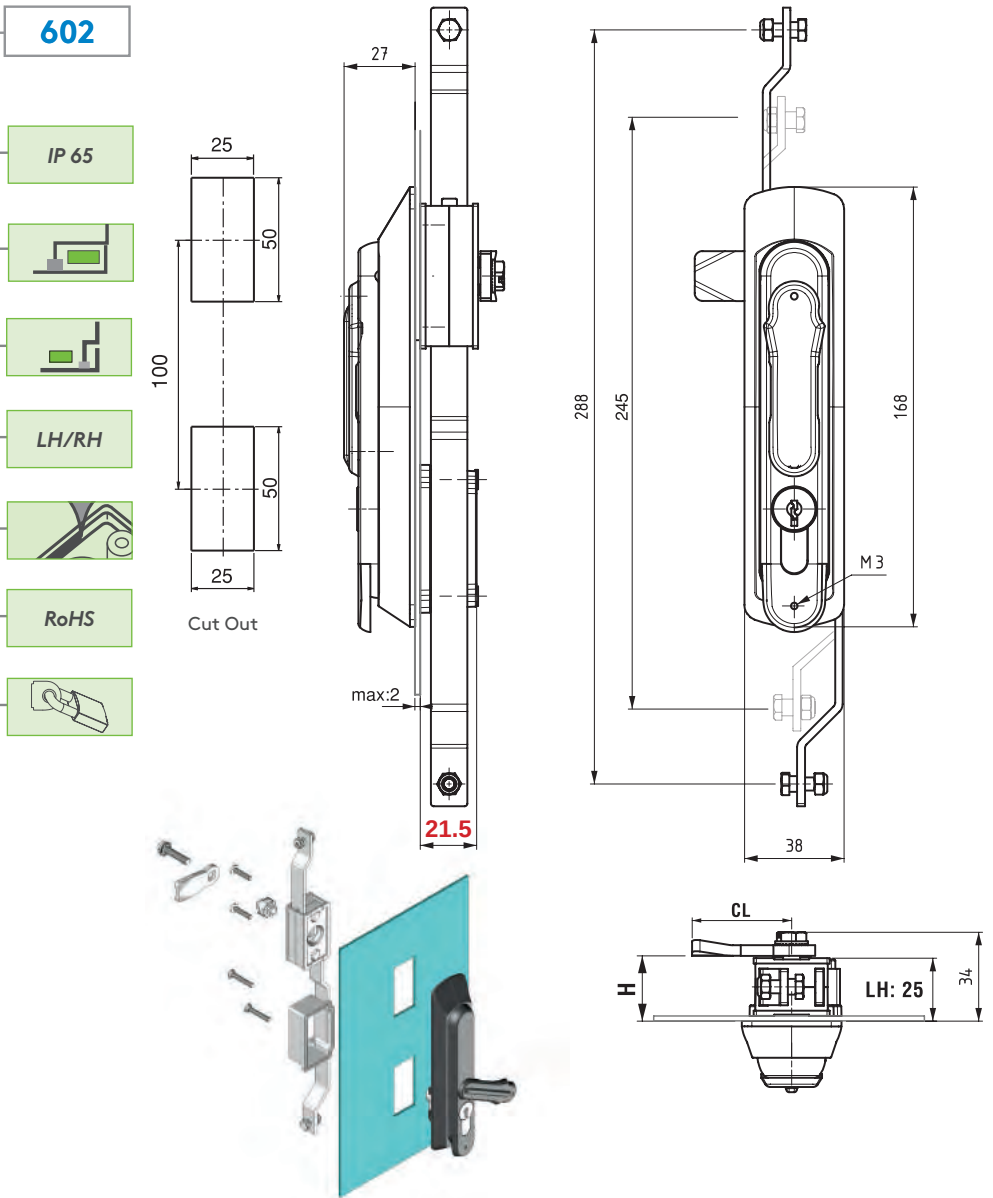


- All metal construction
- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- Improved corrosion resistance
- High-security, brass, Euro Profile single-cylinder available

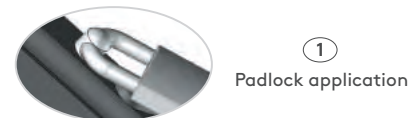
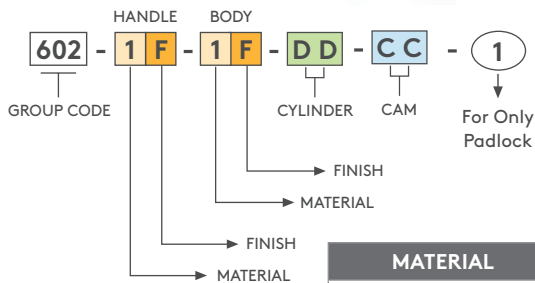
APPLICATIONS
Electric panels, machinery covers outdoor cabinets

MATERIAL
 BODY: Zamak DIN-EN 1774-ZnAl4Cu1
 HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
 COVER: Zamak DIN-EN 1774-ZnAl4Cu1
 MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
 SEAL: Polyurethane

-  For cams please check pages: 146 - 147
-  For rods please check pages: 150- 161
-  For keys please check pages: 162 - 163



PRODUCT CODE

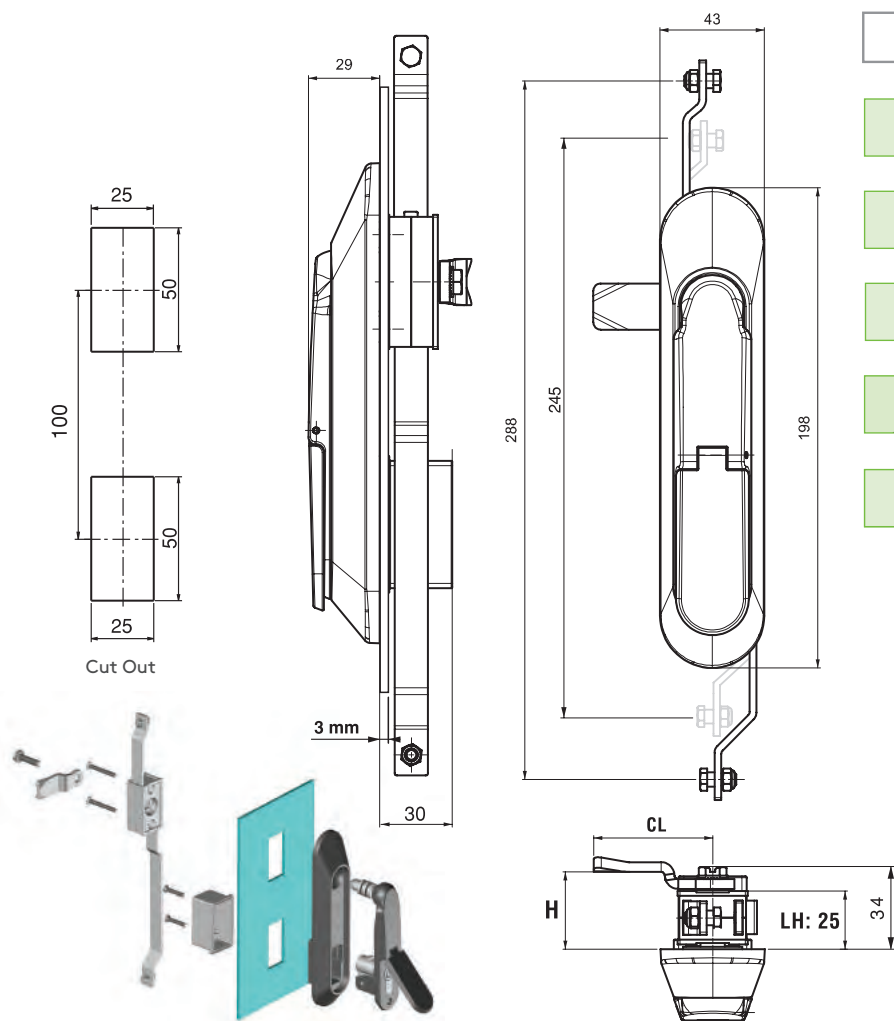


MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

ZAMAK CYLINDER	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

BRASS CYLINDER	DD
No cylinder	00
Keyed alike	11

HIGH-SECURITY CYLINDER			
Brass cylinder	Zamak cylinder		
Keyed alike	Keyed differ	Keyed alike	Keyed differ
20	21	22	23



409

SWINGHANDLE GEAR BOX

IP 66

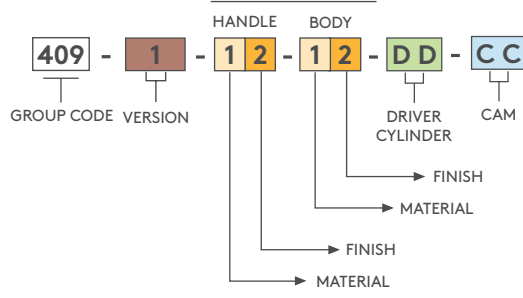
LH/RH

RoHS



- All metal construction
- Special geometry protects against vandalism
- Improved corrosion resistance
- Double o-ring used for handle improves IP rating
- High-security cylinder alternative
- Improved IP rating with moving dust cap

PRODUCT CODE



MATERIAL	M
Zamak	1
FINISH	F
Black coated	2

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

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

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
15	28	39	91

HIGH-SECURITY CYLINDER	
Zamak cylinder	
Keyed alike	Keyed differ
22	23

SWINGHANDLE GEAR BOX

ALL IN METAL

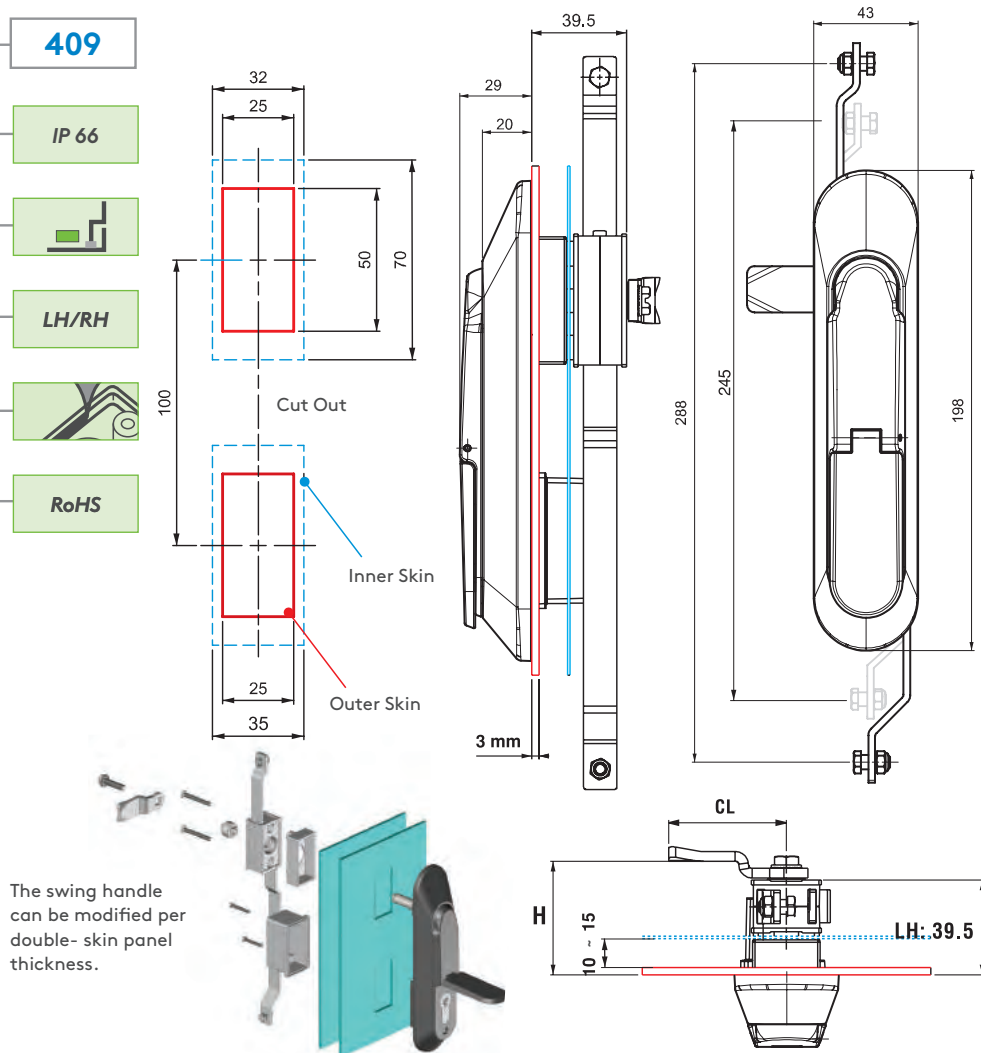


409

IP 66

LH/RH

RoHS



The swing handle can be modified per double- skin panel thickness.

- All metal construction
- Special geometry protects against vandalism
- Double o-ring handle improves IP rating
- High-security cylinder alternative
- Improved IP rating with moving dust cap

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1

SEAL:	Polyurethane
COVER:	Zamgk DIN-EN

Zn114K DIN-EN
1774-ZnAl4Cu1**PRODUCT CODE**

Diagram illustrating the structure of a 10-digit part number, where each digit or group of digits represents a specific attribute:

- GROUP CODE:** 409
- VERSION:** 3
- HANDLE:** 12
- BODY:** 12
- DRIVER CYLINDER:** DD
- CAM:** CC
- FINISH:** (Derived from the first and second 12s)
- MATERIAL:** (Derived from the first and second 12s)

MATERIAL	M
Zamak	1

FINISH	F
Black coated	2

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
			
15	28	39	91

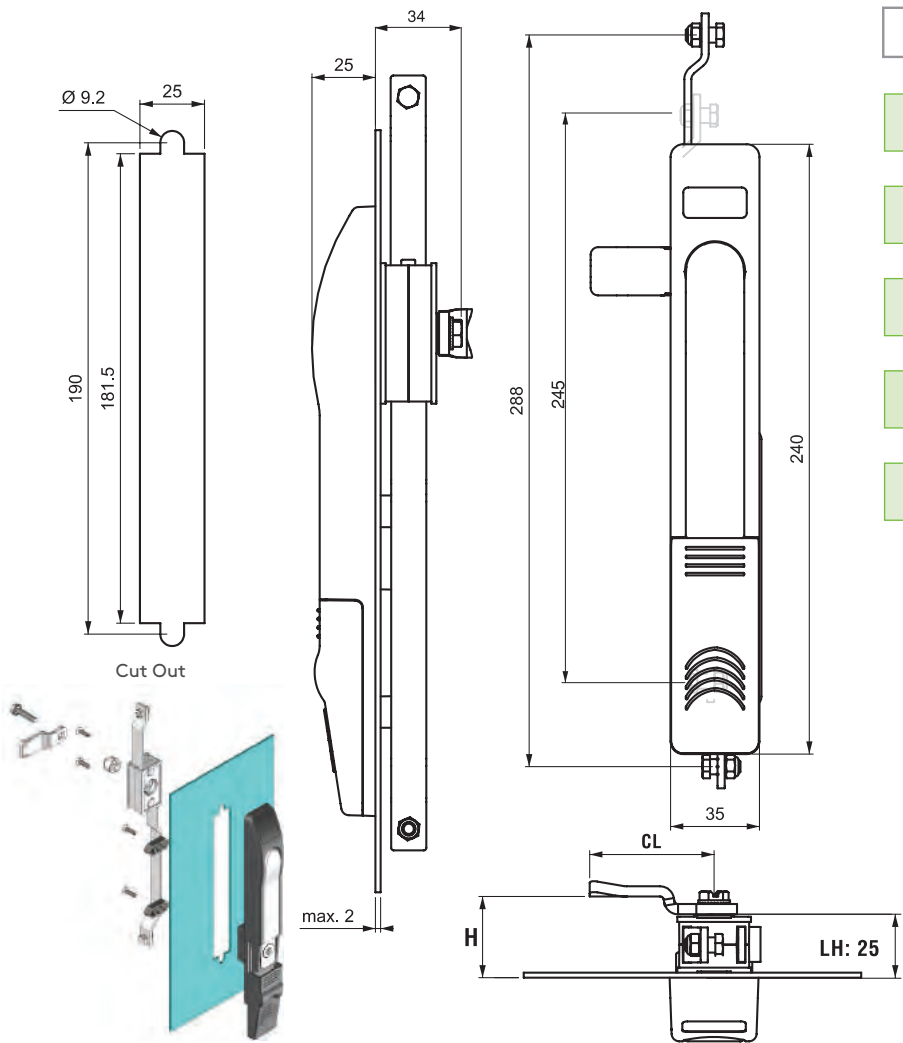
HIGH-SECURITY CYLINDER

Zamak cylinder



Keyed alike Keyed differ

22	23
----	----



107

SWINGHANDLE GEAR BOX

IP 65

LH/RH

RoHS

- Suitable for indoor applications
- Spring-loaded , slam action swing handle
- Sliding dust cover
- Suited for outside gasketing application

APPLICATIONS
Electric panels, machinery covers, rack cabinets

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

PRODUCT CODE

GROUP CODE: 107

HANDLE: 1 F

BODY: 2 0

DRIVER CYLINDER: DD

CAM: CC

FINISH: F

MATERIAL: M

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2

CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

207



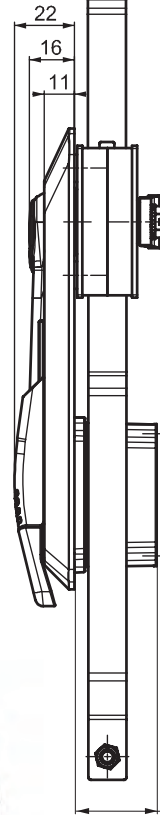
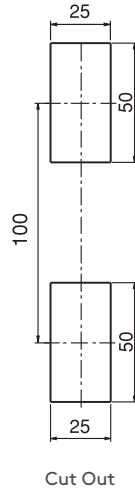
IP 65



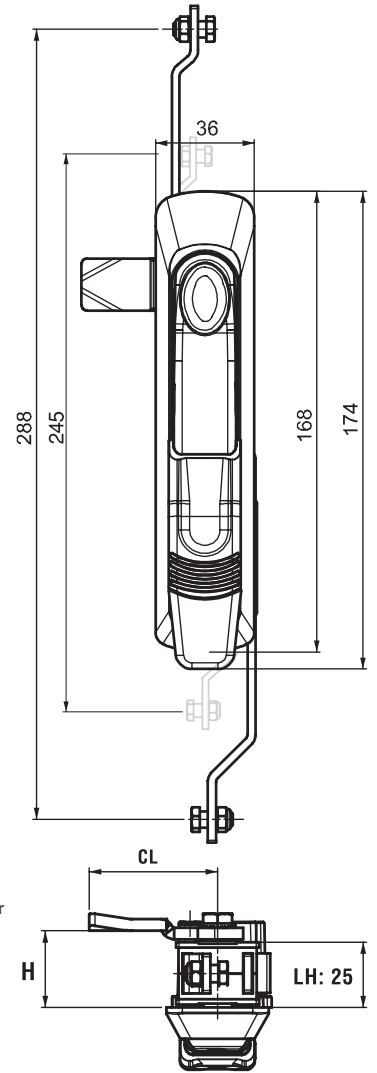
LH/RH



RoHS



23.5 : Zamak cylinder
30 : Brass cylinder



- Sliding dust cover
- Ergonomic handle
- Padlockable version available
- 40 mm Euro Profile cylinder fitted

APPLICATIONS

Electric panels, rack cabinets

MATERIAL

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

HANDLE: PA6 GFR 30 or

Zamak DIN-EN 1774-ZnAl4Cu1

MECHANISM: PA6 GFR 30

CAM: Steel

SEAL: Polyurethane



①

Padlock application



For cams please check pages: 146 - 147

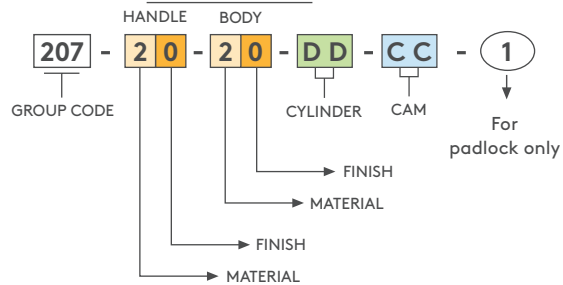


For rods please check pages: 150 - 161



For keys please check pages: 162 - 163

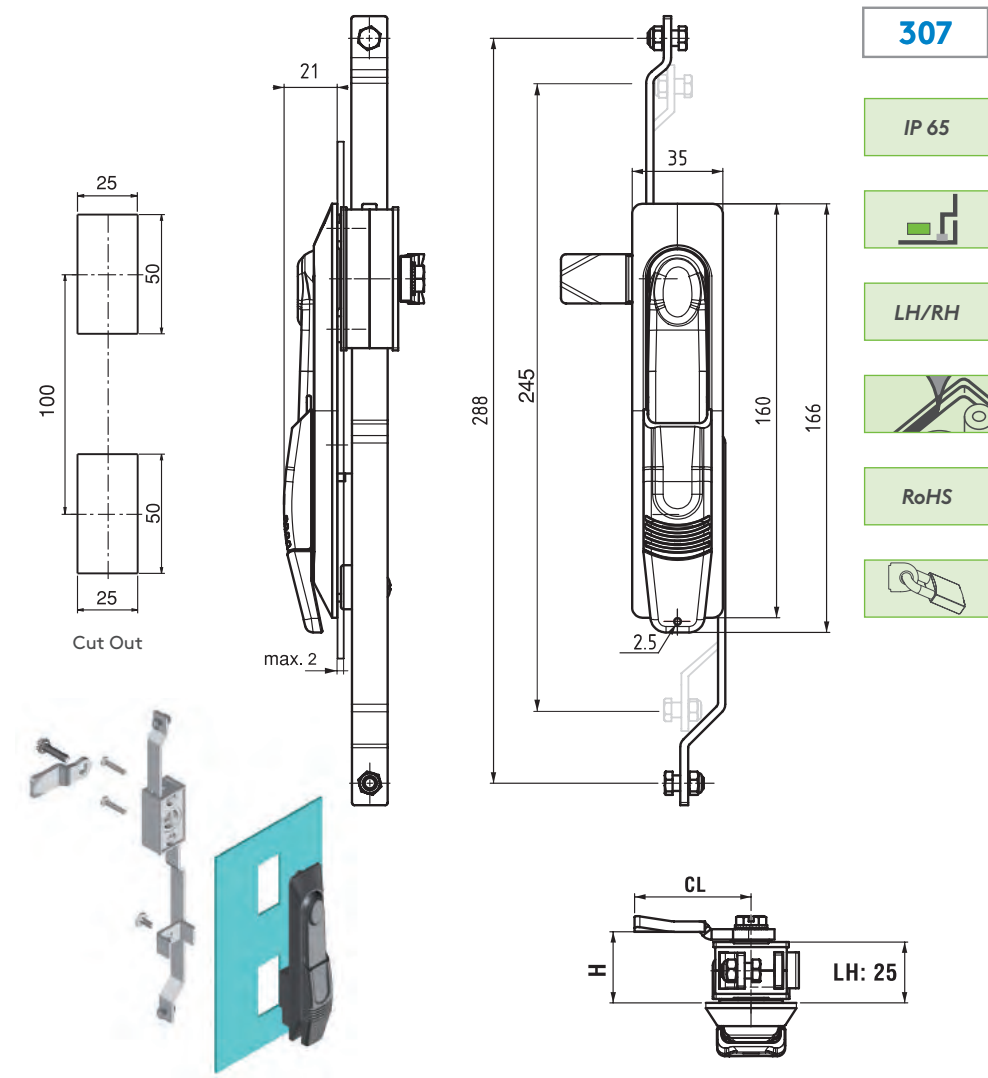
PRODUCT CODE



CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

DRIVER TYPE			
5 mm Double bit	8 mm Square	9 mm Triangular	Eastern
			
15	28	39	91

NO CYLINDER	DD
Plastic blind cylinder	24
	



307

SWINGHANDLE GEAR BOX

- IP 65
- LH/RH
- RoHS



- Sliding dust cover
- Ergonomic handle
- Padlockable version available

APPLICATIONS

Electric panels, rack cabinets

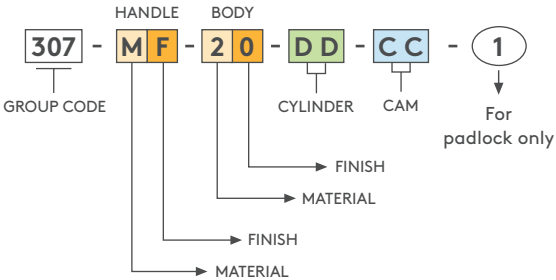
MATERIAL
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: PA6 GFR 30
MECHANISM: PA6 GFR 30
CAM: Steel
SEAL: Polyurethane



1
Padlock application

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

PRODUCT CODE



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

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Euro key (5333)	05

ROD-LATCH SYSTEM

LINEAR HANDLE LOCK

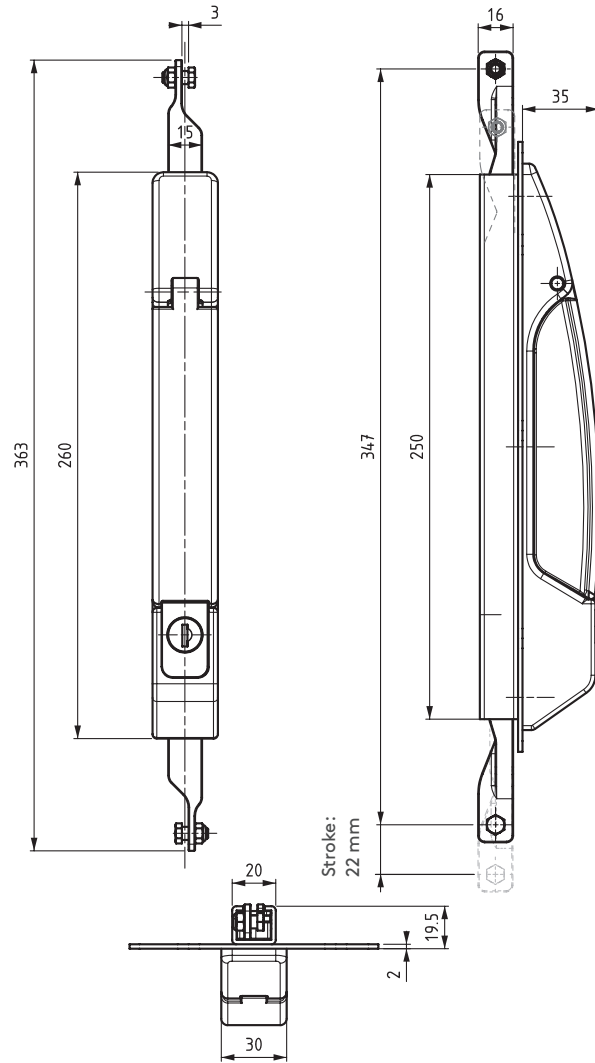
104

ALL IN METAL



LH/RH

RoHS



- Linear handle movement allows locking and unlocking
- Suitable for out-of-gasket applications

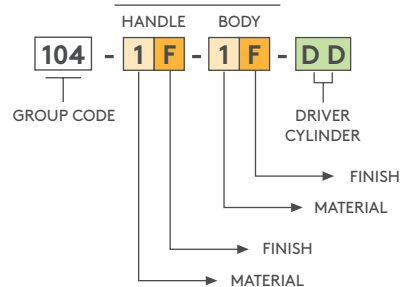
APPLICATIONS

Electric panels

MATERIAL

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

PRODUCT CODE



DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

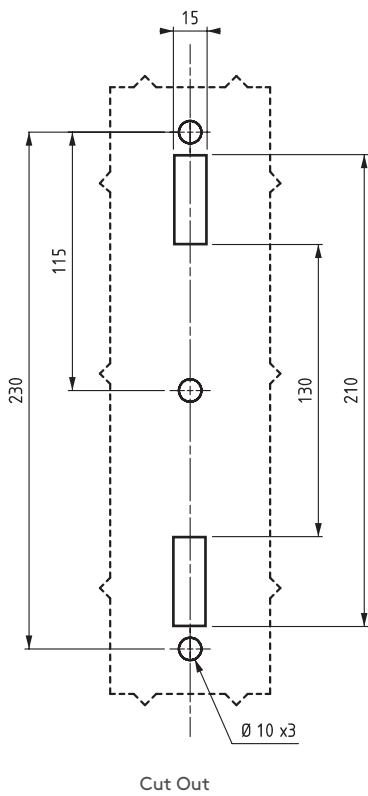
MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

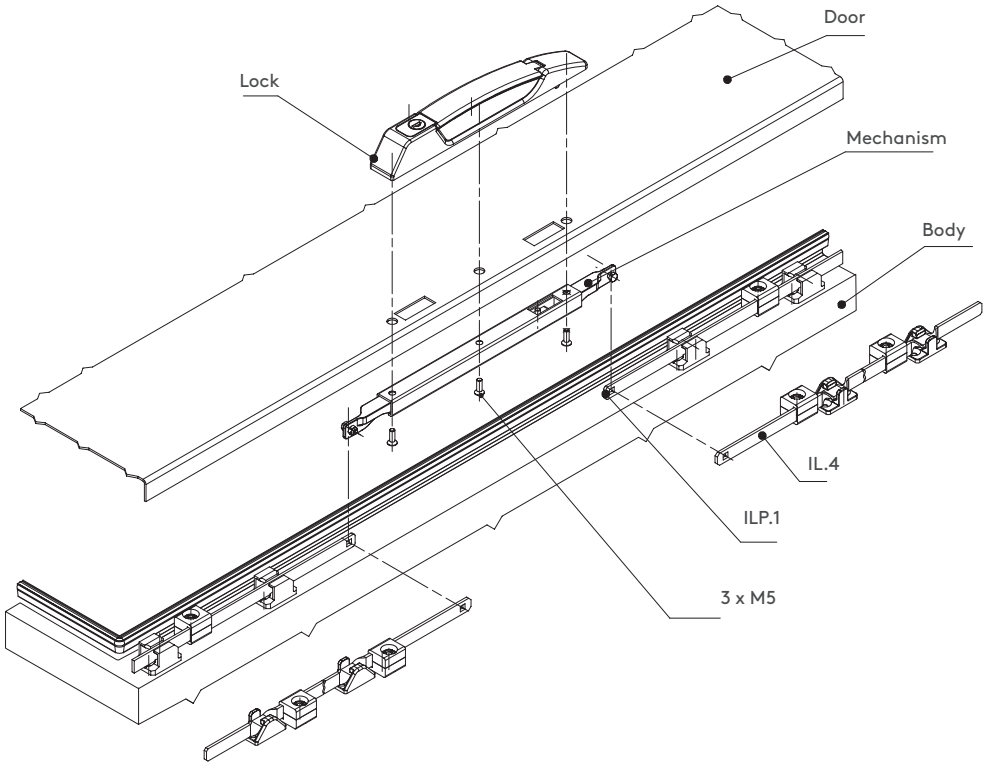
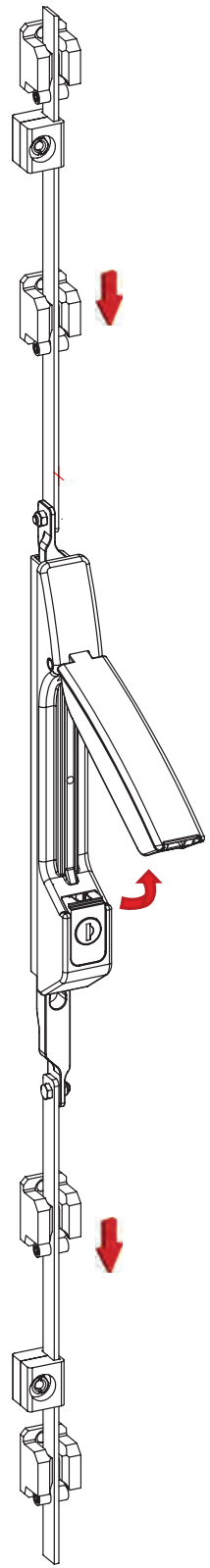
CYLINDER TYPE		DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

104

LINEAR HANDLE LOCK



Application



ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

109

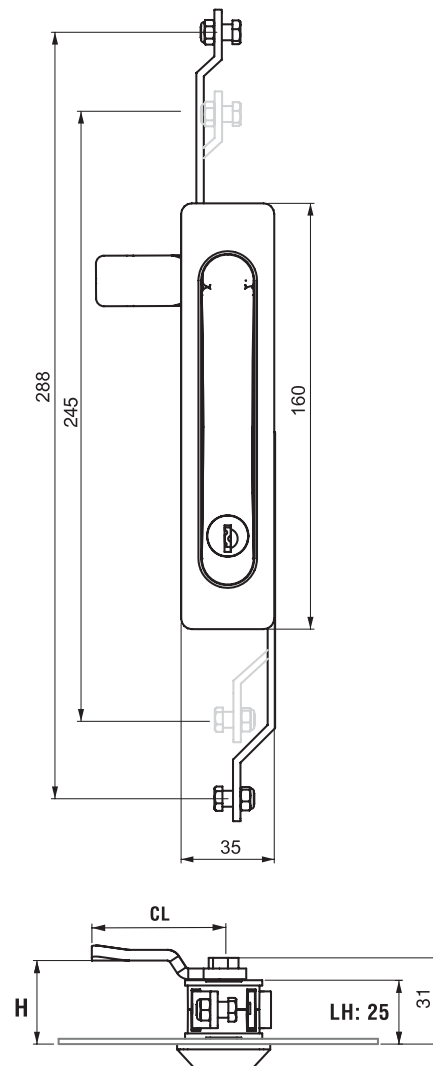
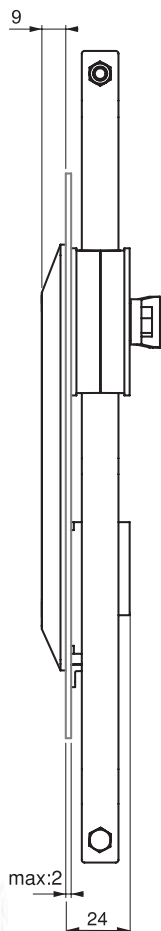
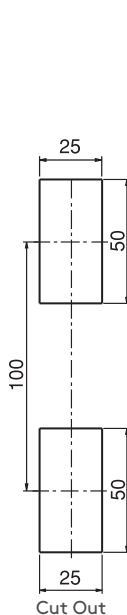
IP 65



LH/RH



RoHS



- Ultra-low external profile, just 9 mm, for flush appearance
- Spring loaded, slam-action swinghandle

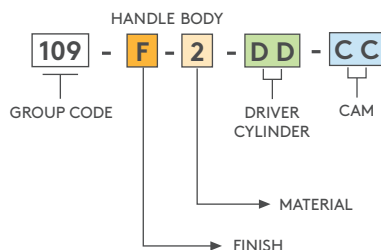
APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

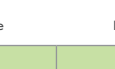
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE



MATERIAL	M
Plastic	2

FINISH	F
Chrome	1
Black coated	2

HIGH SECURITY CYLINDER	
	
Keyed alike	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

CYLINDER TYPE		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master System	04
	Euro Key (5333)	05
	CH751 (Stainless steel dust cap)	07



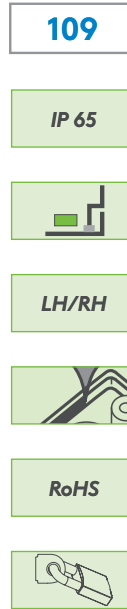
For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



For keys please check pages: 162 - 163



ALL IN METAL



The diagram shows a 5-digit barcode with the following labels and mappings:

- 109**: GROUP CODE
- 1**: HANDLE
- F**: BODY
- DD**: DRIVER CYLINDER
- CC**: CAM

Arrows indicate the following mappings from the digits to the labels:

- From **1** (HANDLE) to **FINISH** and **MATERIAL**.
- From **F** (BODY) to **FINISH** and **MATERIAL**.
- From **DD** (DRIVER CYLINDER) to **FINISH**.
- From **CC** (CAM) to **MATERIAL**.

FINISH	F
Chrome	1
Black coated	2

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

- All metal construction
- Stronger and better looking than polyamide
- For customised colours contact Essentra
- Spring loaded, slam-action swinghandle

Electric panels, machinery covers,
rack cabinets

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

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

909



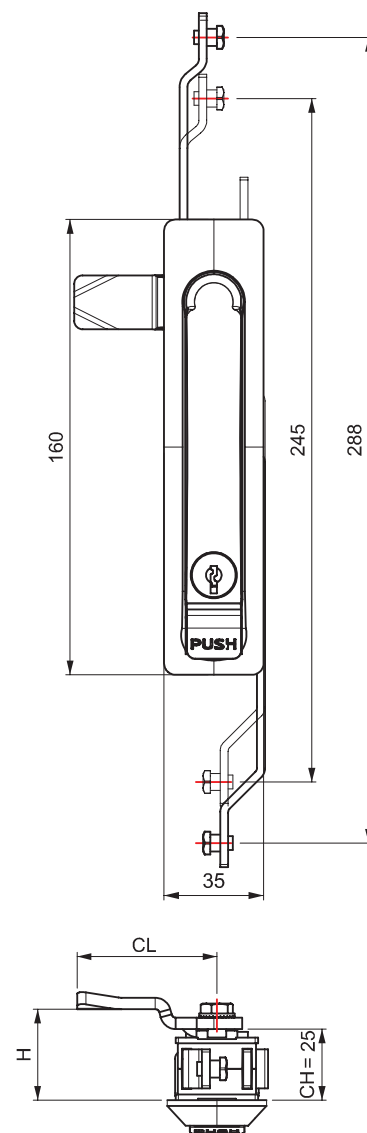
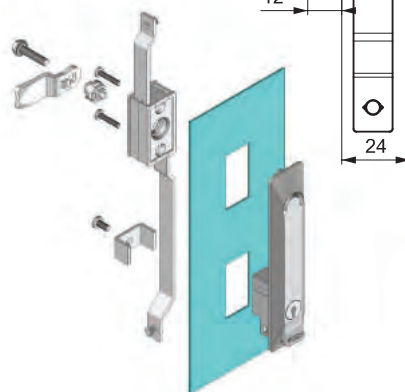
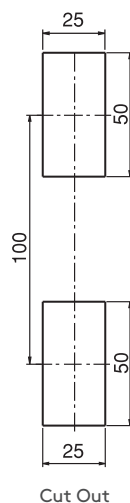
IP 65



LH/RH



RoHS



- Swing handle with push button
- Standard cut out
- Ultra low external profile, just 9 mm, to give flush appearance

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Zamak DIN-EN 774-ZnAl4Cu1 or PA6 GFR 30

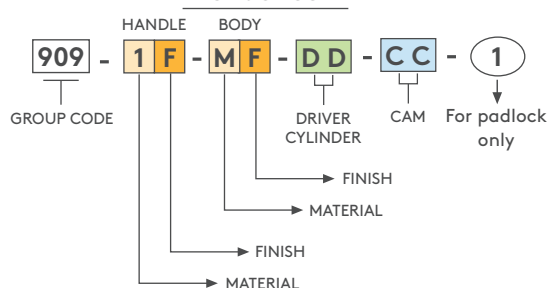
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel or PA6 GFR 30

SEAL: Polyurethane

PRODUCT CODE



MATERIAL

M

Zamak	1
Plastic	2

FINISH

F

Chrome	1
Black coated	2
No finish	0

HIGH-SECURITY CYLINDER



20	21
----	----

DRIVERS



15	28	39
----	----	----

CYLINDER TYPE

DD

No Cylinder	00
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
Master system	04
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07



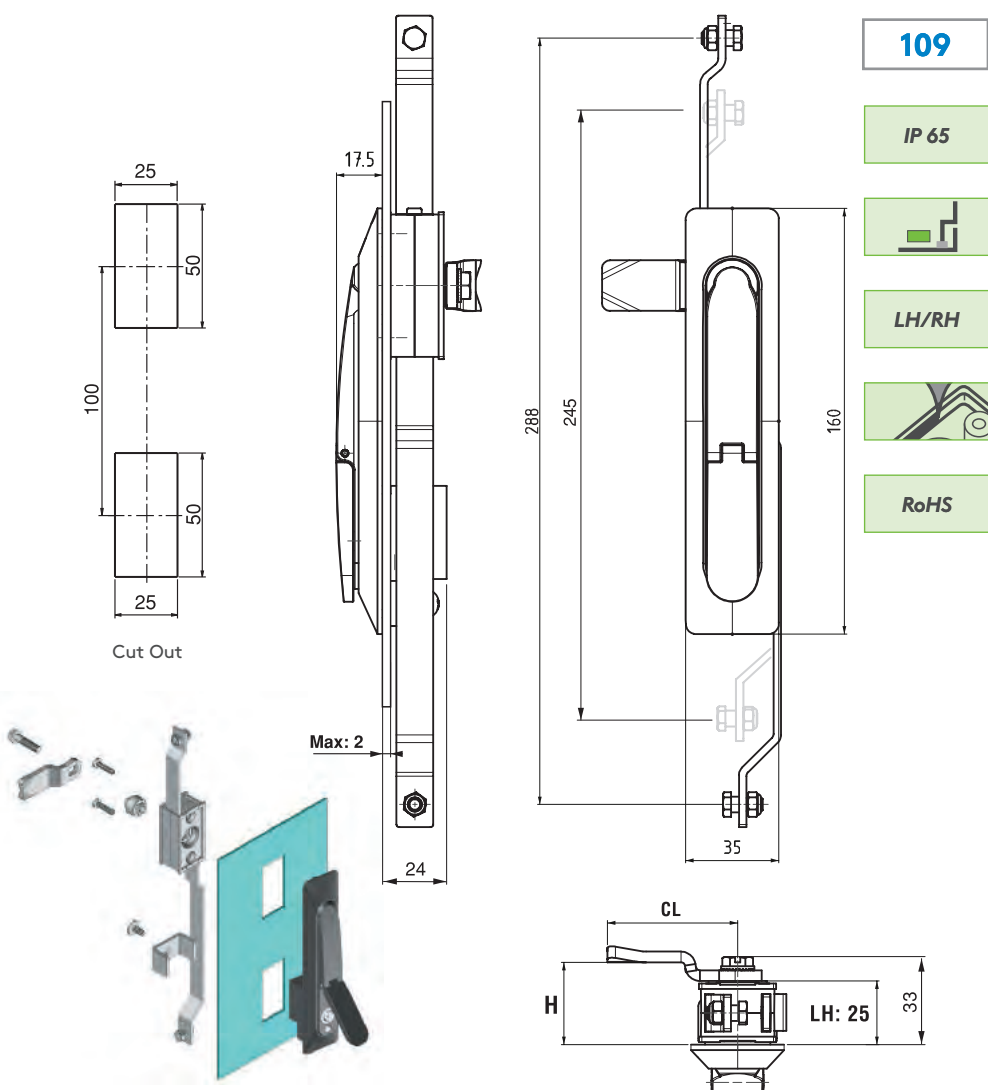
For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



For keys please check pages: 162 - 163



109

SWINGHANDLE GEAR BOX

IP 65



LH/RH

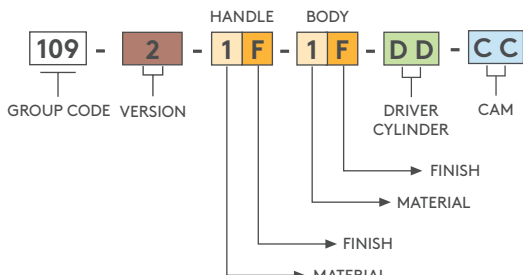


RoHS



ALL IN METAL

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER	
	Keyed alike
	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

- All metal construction
- Improved corrosion resistance
- High-security cylinder alternative
- Improved IP resistance with moving dust cap

APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

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

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

ROD-LATCH SYSTEM

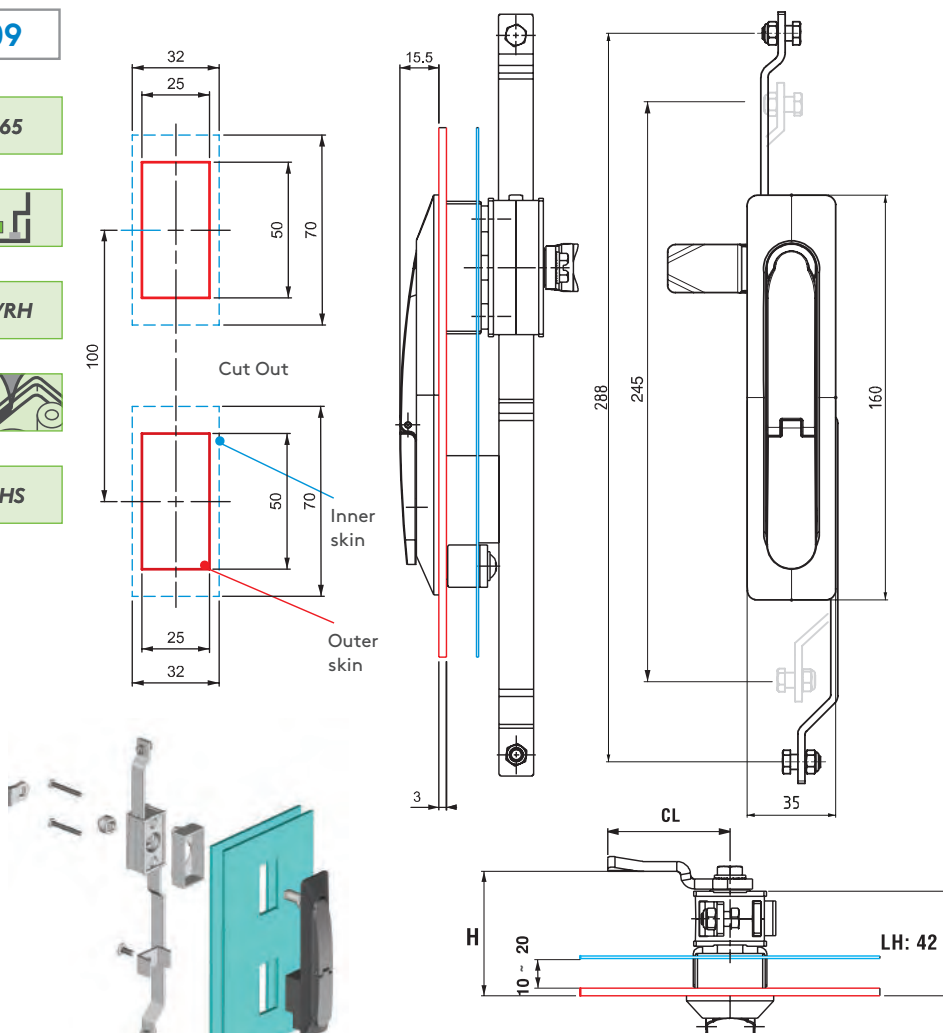
SWINGHANDLE GEAR BOX

109

IP 65

LH/RH

RoHS



The swing handle can be modified per double-skin panel thickness.

- Ideal for double-skin doors and outdoor cabinets
- Stronger body to protect against vandalism
- High-security cylinder with specially shaped key prevents unauthorized duplication
- Improved IP resistance with moving dust cap
- Spring-loaded handle, slam action

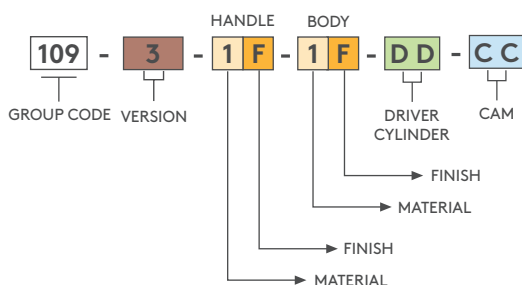
APPLICATIONS

Electric panels, outdoor cabinets

MATERIAL

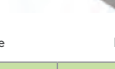
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

HIGH-SECURITY CYLINDER	
	
Keyed alike	Keyed differ
20	21

DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

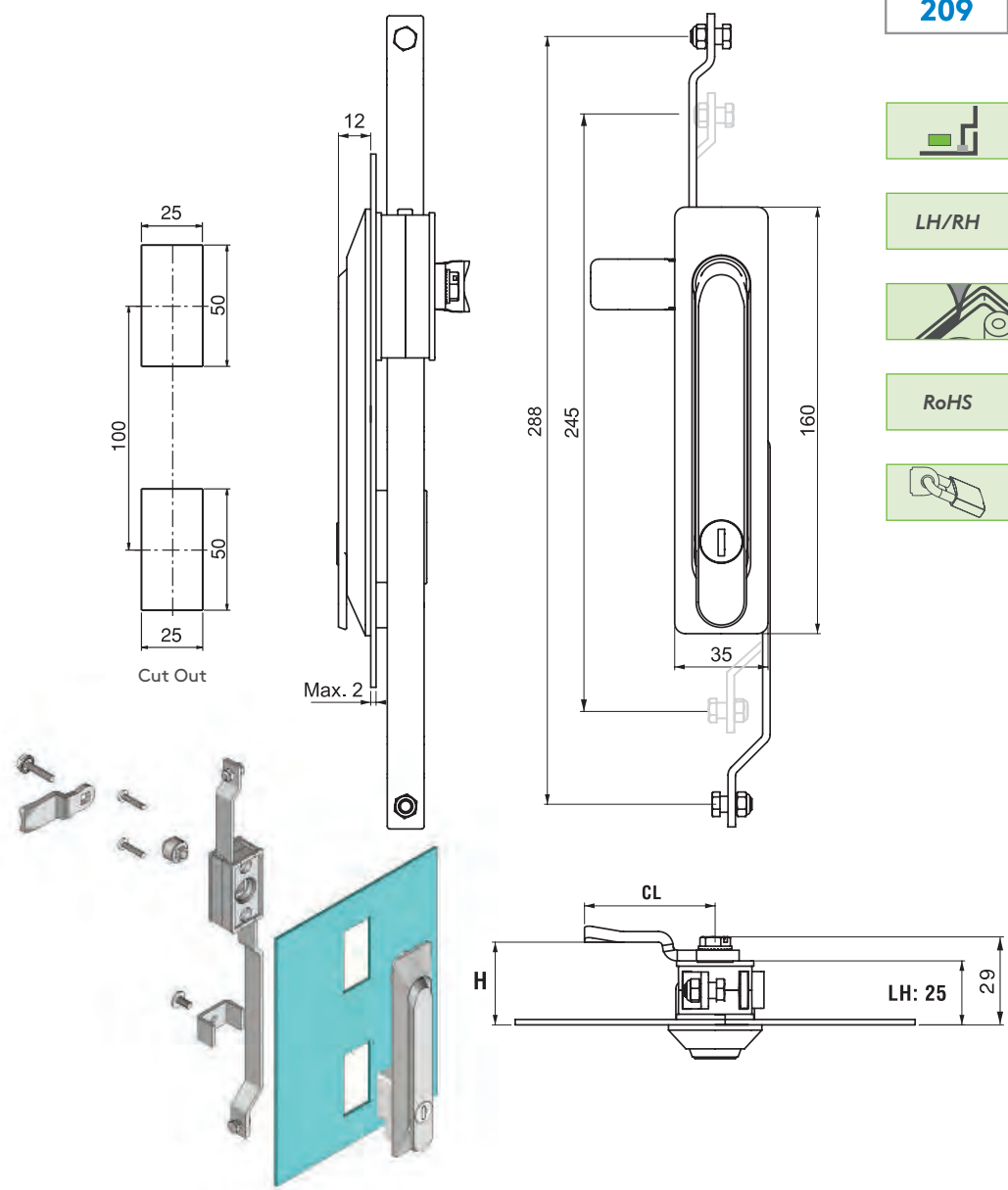
CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



209

SWINGHANDLE GEAR BOX

ALL IN METAL

-  LH/RH
-  RoHS
- 



- All metal construction
- Stronger and better looking than polyamide
- Handle is not spring loaded and slam action
- Can remove key in unlocked position

PRODUCT CODE

209 - 1 - F - DD - CC - 1
GROUP CODE MATERIAL FINISH CYLINDER CAM For padlock only



1

Padlock application

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

For cams please check pages: 146 - 147

For rods please check pages: 150- 161

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

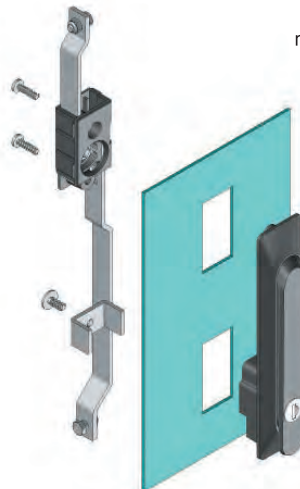
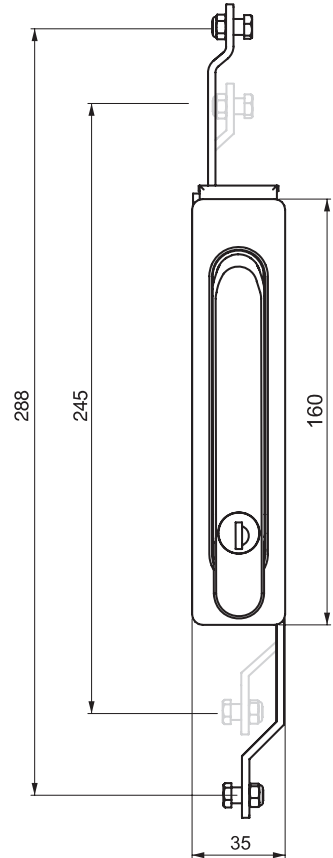
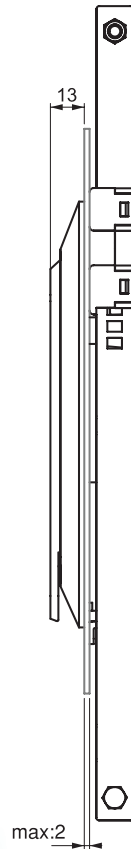
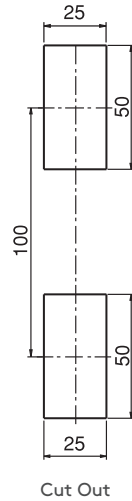
209



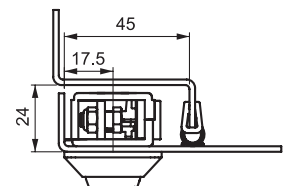
LH/RH



RoHS



Outside of gasketing



- Small version: page 68
- Swinghandle can be applied outside gasketing
- Special gearbox is used
- Provides 3 point locking
- Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

MECHANISM: PA66

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

SEAL: Polyurethane

PRODUCT CODE

209 - 2 - 0 - DD - CC

GROUP CODE MATERIAL FINISH CYLINDER CAM

For three-point application please use "CC" number for cam instead of "00".

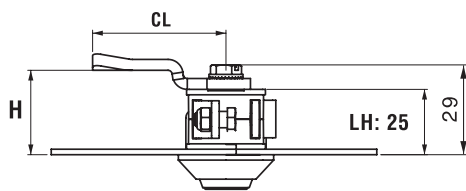
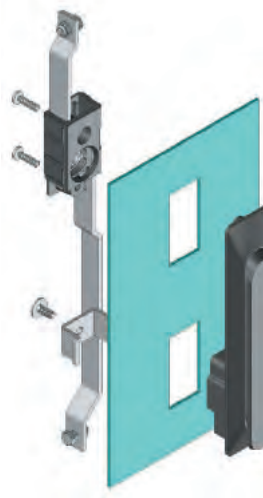
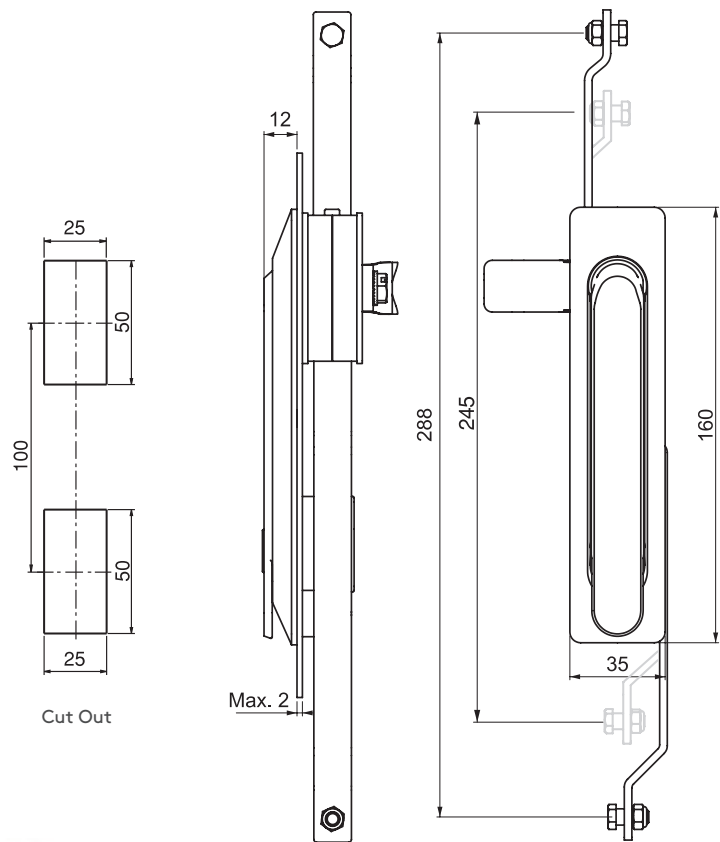
CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



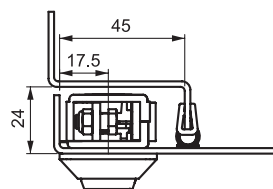
For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



Outside of gasketing



219

SWINGHANDLE GEAR BOX



LH/RH



RoHS



- **Small version: page 69**
- Concealed special cam on handle provides fixing
- Swinghandle can be applied outside gasketing
- Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE

219 - M - F - CC
GROUP CODE MATERIAL FINISH CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

For cams please check pages: 146 - 147

For rods please check pages: 150- 161

ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

309

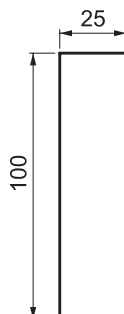
SMALL VERSION



LH/RH

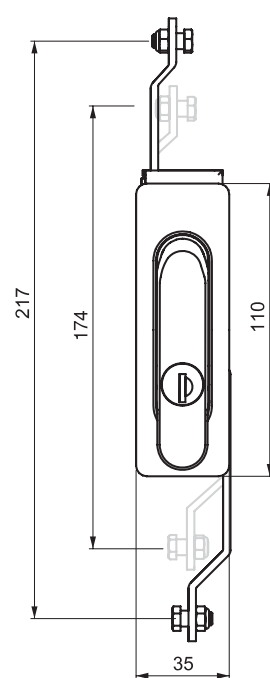
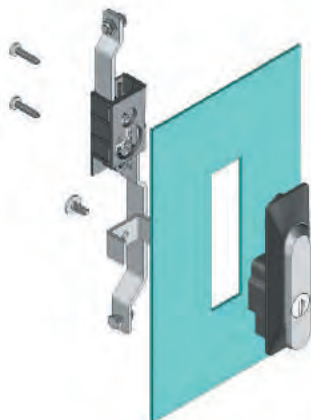


RoHS

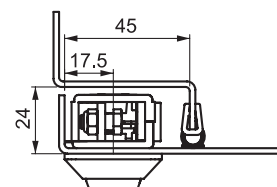


Cut Out

max:2
21



Outside of gasketing



- Large version: page 66
- Swinghandle can be applied outside gasketing
- Special gear-box is used
- Three-point locking
- 25 mm x 100 mm cut out

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

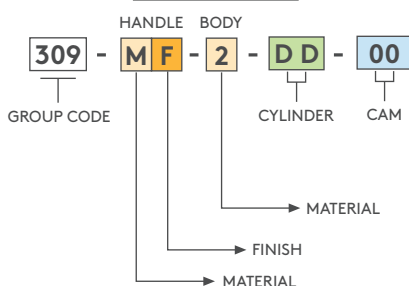
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

MECHANISM: PA66

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

SEAL: Polyurethane

PRODUCT CODE



For three-point application please use "CC" number for cam instead of "00".

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

HIGH-SECURITY CYLINDER



Keyed alike

Keyed differ

20 **21**

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master system	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



ROD-LATCH SYSTEM

SWINGHANDLE GEAR BOX

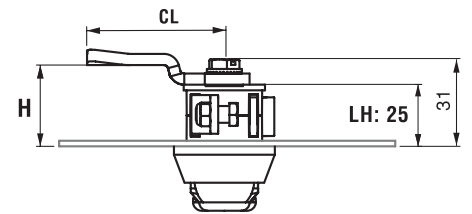
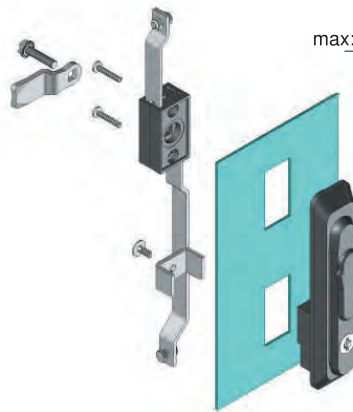
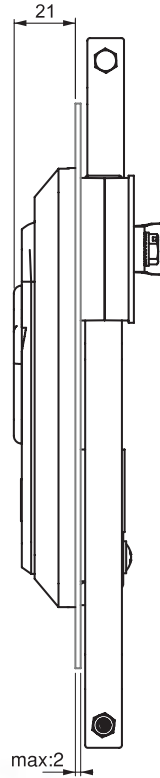
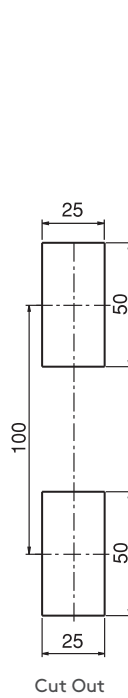
007



LH/RH



RoHS



- Lower strength swing-handle that accepts cylindrical drivers only
- Spring-loaded, slam-action swinghandle
- Can use indoors
- Competitive price with polyamide gearbox

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

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

PRODUCT CODE

007 - **DD** - **CC**
 GROUP CODE DRIVER CYLINDER CAM

DRIVERS

5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

CYLINDER TYPE



	DD
Keyed alike	01
Keyed differ	02
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
Euro key (5333)	05
CH751 (Stainless steel dust cap)	07



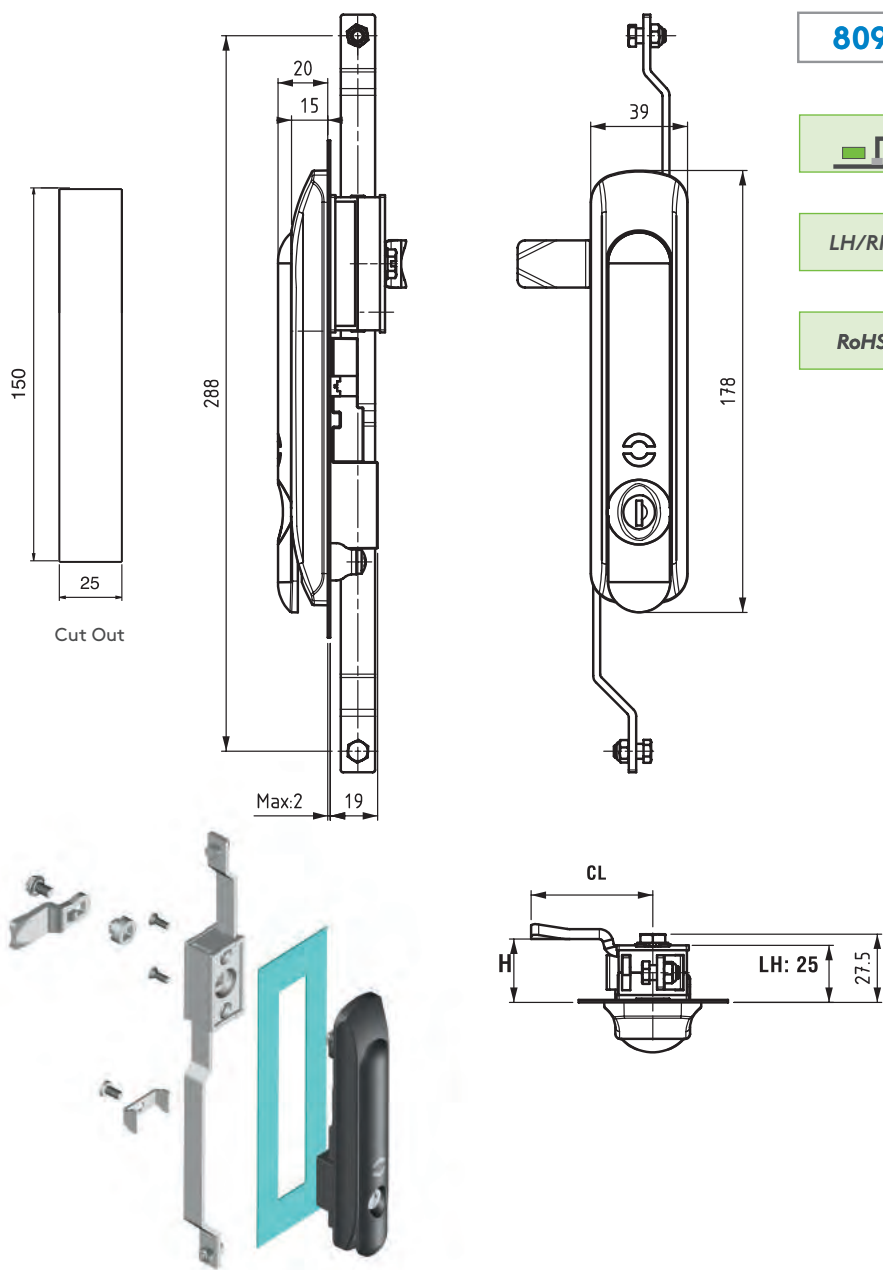
For cams please check pages: 146 - 147



For rods please check pages: 150 - 161



For keys please check pages: 162 - 163



809

SWINGHANDLE GEAR BOX



LH/RH



RoHS



• Offers an economical solution

APPLICATIONS

Electric panels, machinery covers, rack cabinets

MATERIAL

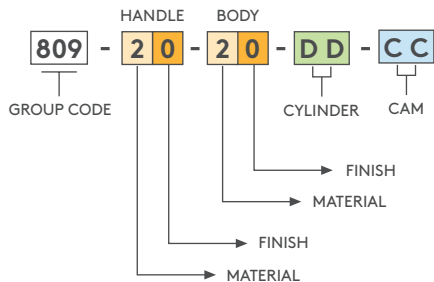
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1

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

SEAL: Polyurethane

PRODUCT CODE



CYLINDER	SPECIFICATIONS	
	Stainless steel dust cap (Keyed alike)	DD
	Stainless steel dust cap (Keyed differ)	03
	Master system	32
	Euro key (5333)	04
	CH751 (Stainless steel dust cap)	05
		07

For cams please check pages: 146 - 147

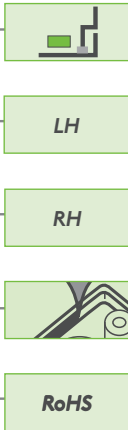
For rods please check pages: 150- 161



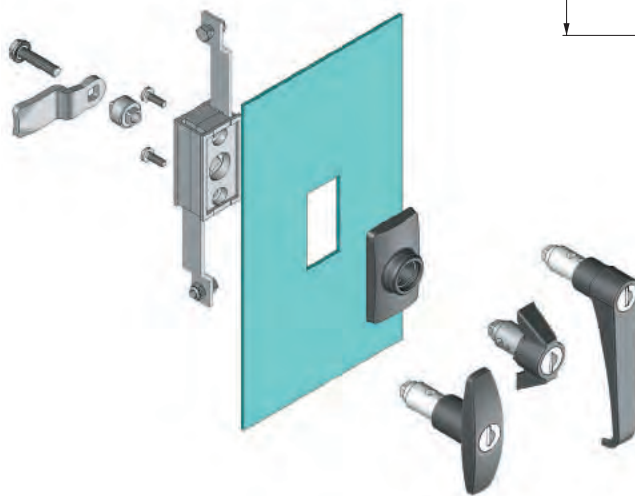
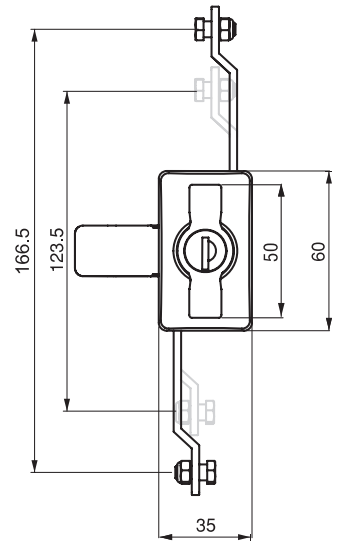
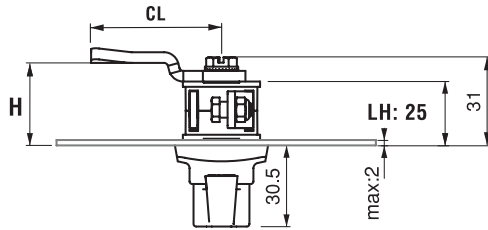
ROD LATCH SYSTEM

THREE-POINT LOCK – WING KNOB

103



V : 2



- Wing knob, T handle and L handle available
- Optional blind version
- Standard 25 mm x 50 mm cut out

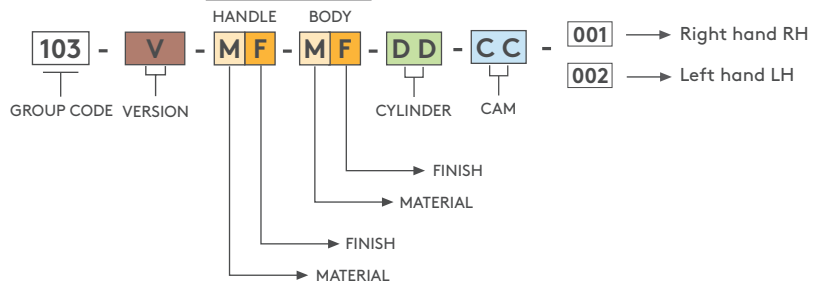
APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Zamak or PA6 GFR 30
HANDLE: Zamak or PA6 GFR 30
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

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

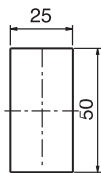
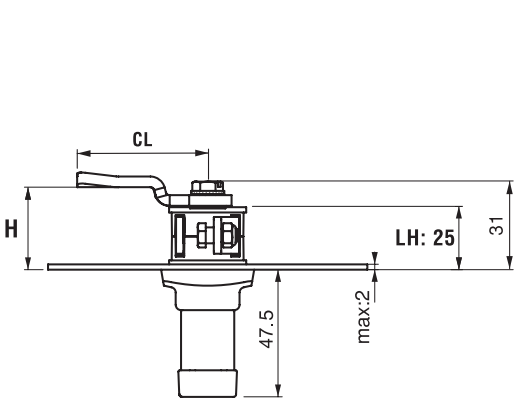


For cams please check pages: 146 - 147

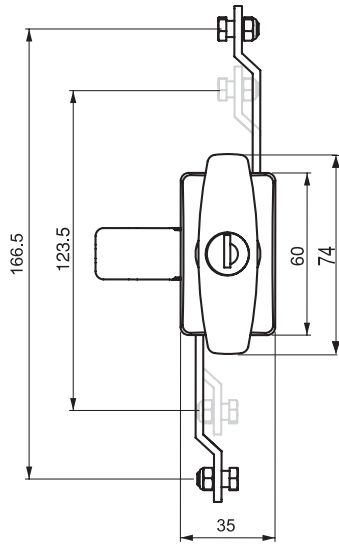


For rods please check pages: 150 - 161

V : 3



Cut Out



103

THREE-POINT LOCK –
T HANDLE



LH

RH



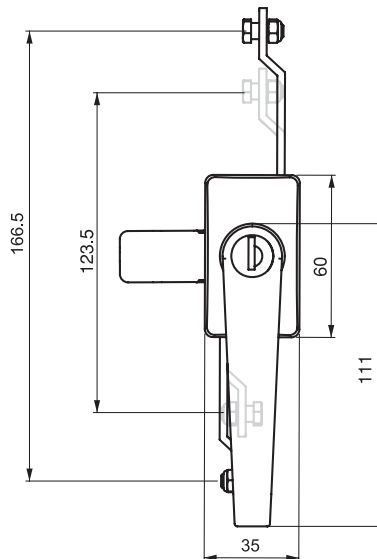
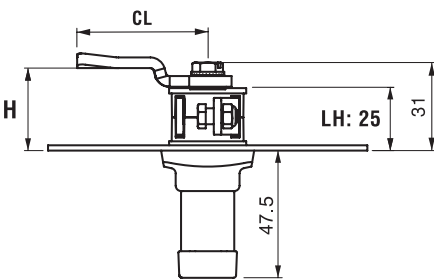
RoHS



103

THREE-POINT LOCK –
L HANDLE

V : 4



For cams please check pages: 146 - 147
For rods please check pages: 150- 161

ROD-LATCH SYSTEM

THREE-POINT LOCK – WING KNOB



203

IP 54

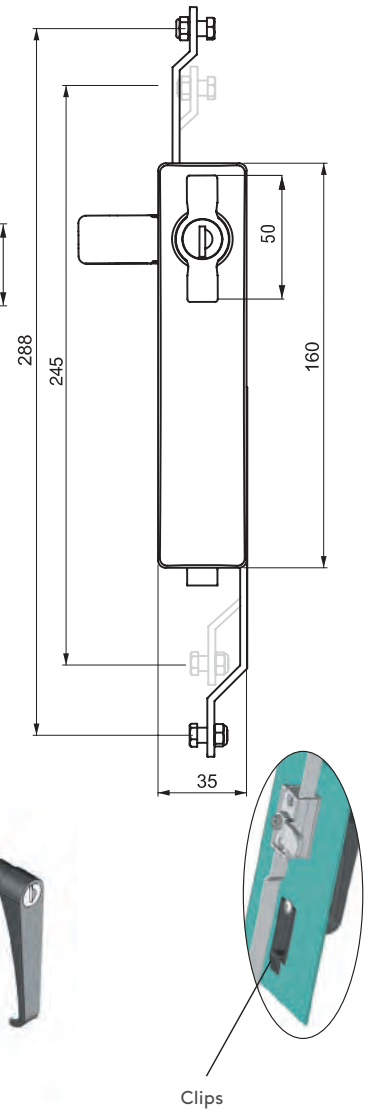
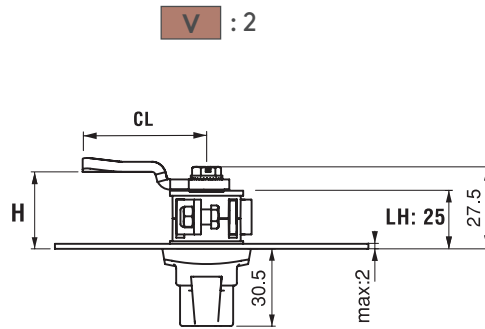


LH

RH



RoHS



Clips

- Clip fixing for easy assembly
- Wing knob, T handle and L handle available with three point locking
- Optional blind version
- For doors with standard swinghandle cut out

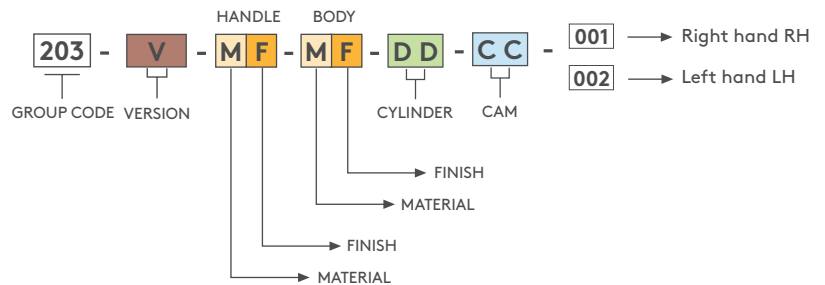
APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: PA6 GFR 30
HANDLE: Zamak or PA6 GFR 30
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane

PRODUCT CODE



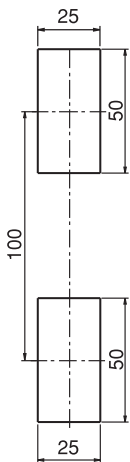
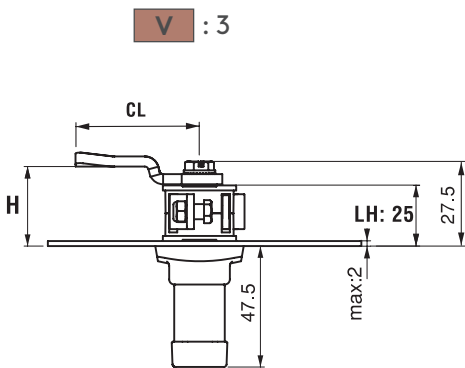
MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

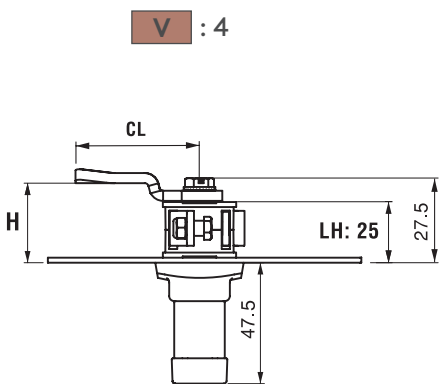
No cylinder '00'



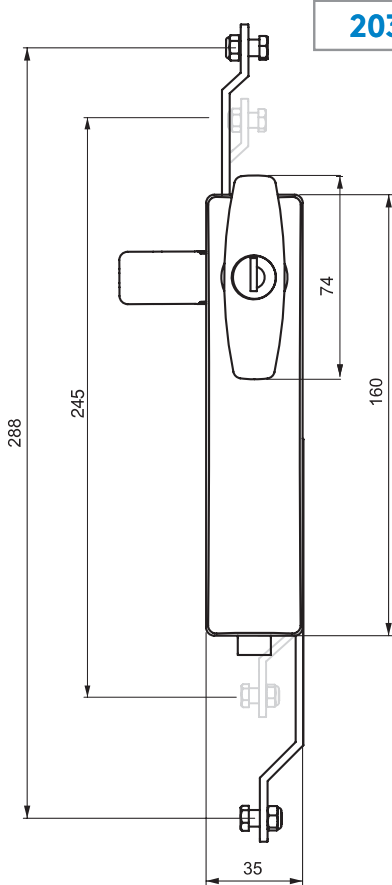
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



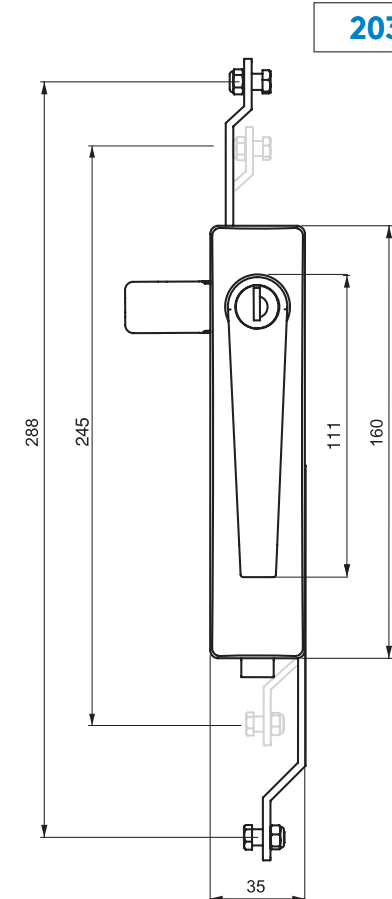
Cut Out



Cut Out



THREE-POINT LOCK – T HANDLE



THREE POINT LOCK – L HANDLE



ROD-LATCH SYSTEM

THREE-POINT LOCK

203

IP 54



LH

RH



RoHS



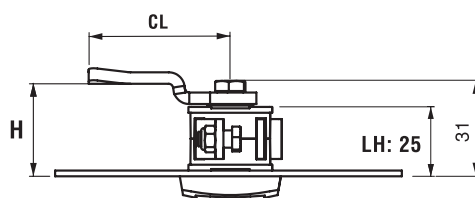
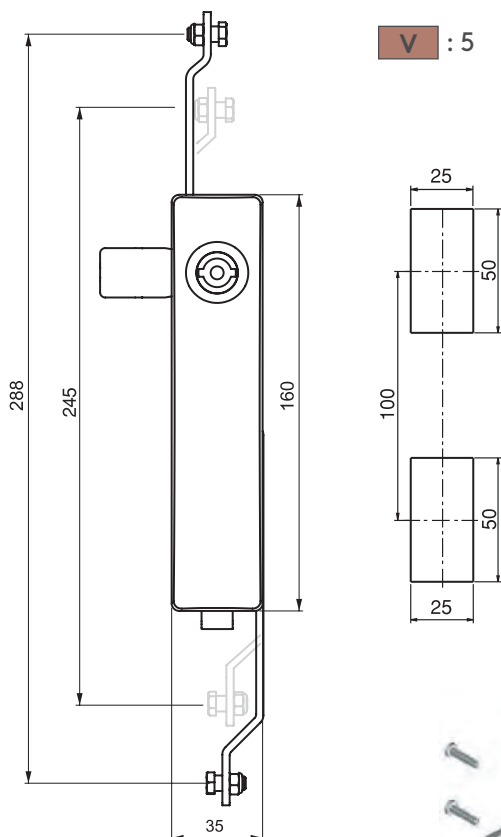
- Clip fixing for easy assembly
- Integral gear-box for three- point locking

APPLICATIONS

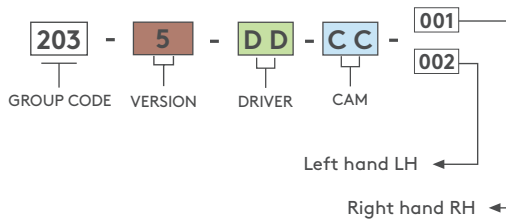
Electric panels, machinery covers

MATERIAL

BODY: PA6 GFR 30
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SEAL: Polyurethane



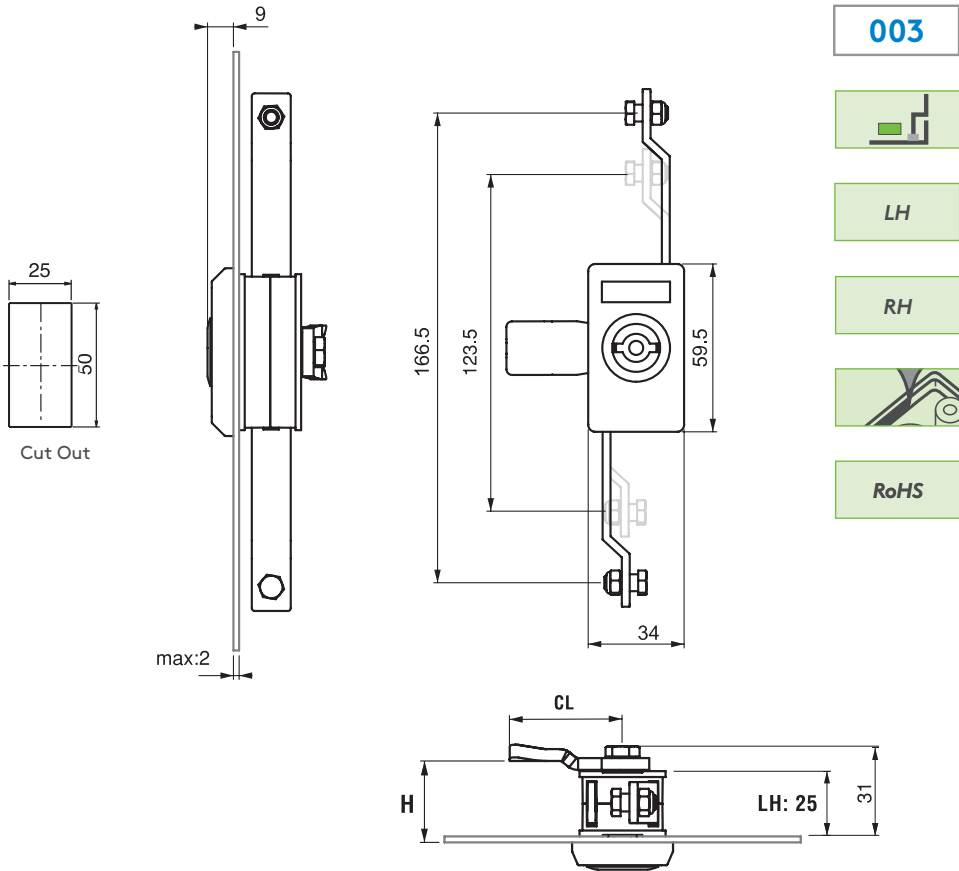
PRODUCT CODE



DRIVERS

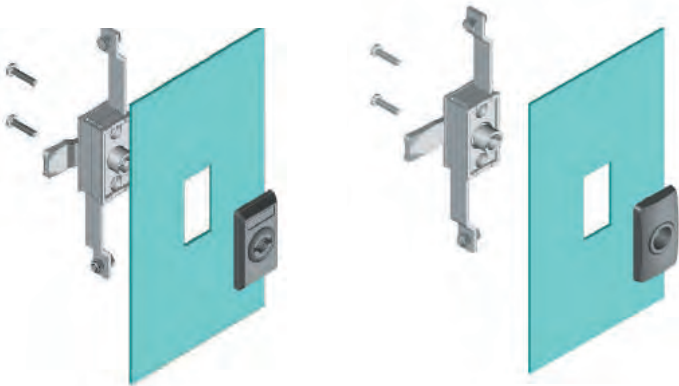
5 mm Double bit	8 mm Square	9 mm Triangular
		
15	28	39

-  For cams please check pages: 146 - 147
-  For rods please check pages: 150 - 161
-  For keys please check pages: 162 - 163



003 THREE-POINT LOCK

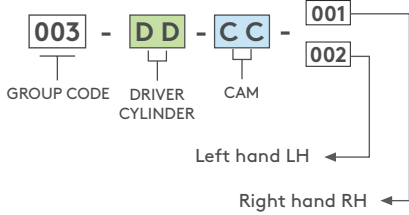
-
- LH
- RH
-
- RoHS



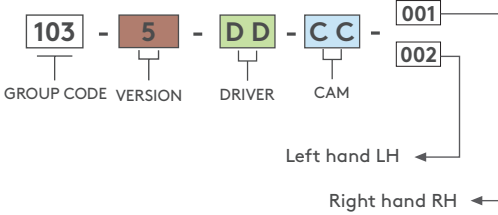
103 THREE-POINT LOCK



PRODUCT CODE



PRODUCT CODE

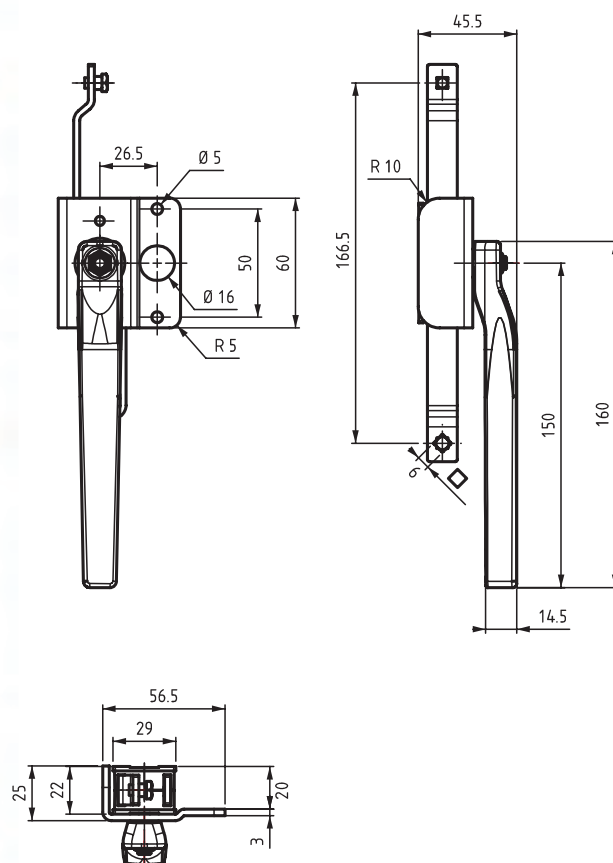


DRIVERS		
5 mm Double bit	8 mm Square	9 mm Triangular
15	28	39

- For cams please check pages: 146 - 147
- For rods please check pages: 150- 161
- For keys please check pages: 162 - 163

INTERNAL LOCKING SYSTEM

303



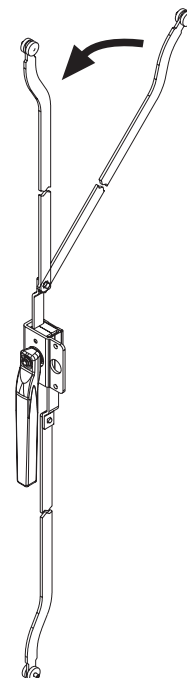
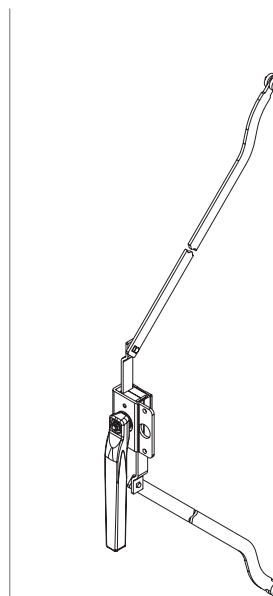
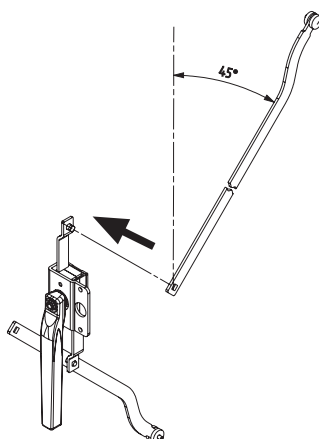
- For double-door cabinets to lock single door from inside

APPLICATIONS

Electric panels

MATERIAL

HANDLE: Zamak DIN-EN
1774-ZnAl4Cu1
MECHANISM: Zamak DIN-EN
1774-ZnAl4Cu1



For cams please check pages: 146 - 147



For rods please check pages: 150- 161





LOCKS



HEAVY-DUTY LOCKS

GROUP CODE	PRODUCT NAME	
016	PUSH-TO-CLOSE	
116	PUSH-TO-CLOSE	
216	PUSH-TO-CLOSE	
316	PUSH-TO-CLOSE	
114	MINI T HANDLE CABINET LOCK	
014	T HANDLE HEAVY DUTY LOCK	
015	T HANDLE HEAVY DUTY LOCK	
115	T HANDLE HEAVY DUTY LOCK	
215	T HANDLE HEAVY DUTY LOCK	
315	T HANDLE HEAVY DUTY LOCK	
118	T HANDLE HEAVY DUTY LOCK	
018	T HANDLE HEAVY DUTY LOCK	
218	T HANDLE HEAVY DUTY LOCK	



ESSENTRA

PAGE

82 - 84, 86

85

87

88

89 - 91

92 - 97

98 - 101

102

103

104

105

106

107



HEAVY-DUTY LOCKS

PUSH-TO-CLOSE LOCK

016

IP 54

LH/RH

RoHS



- Stainless steel version: page 432
- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

APPLICATIONS

Generators, compressors, electric panels, machinery covers

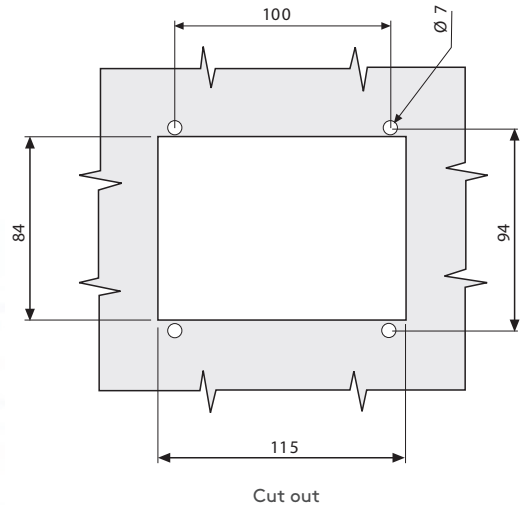
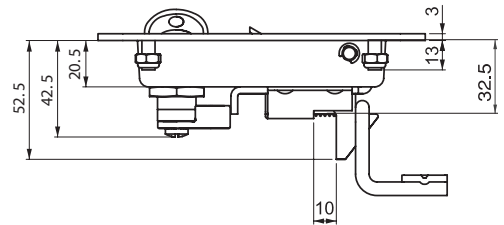
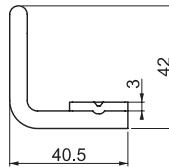
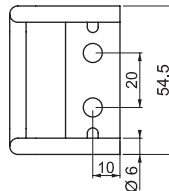
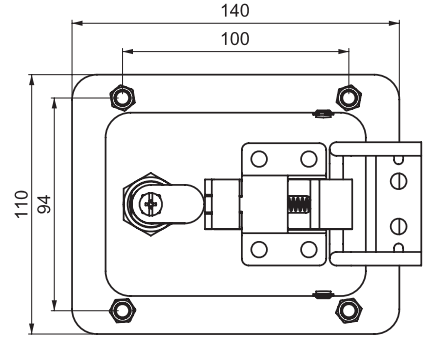
MATERIAL

BODY: Steel
HANDLE: Steel
CAM: Brass
SCREW: Stainless steel
SEAL: Polyurethane

FINISH

Black coated

V : 1



CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

MATERIAL

Steel

FINISH

Zinc plated

PRODUCT CODE

016 - 6 - 2 - DD - V
GROUP CODE MATERIAL FINISH CYLINDER VERSION

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

MATERIAL	M	FINISH	F
Steel	6	Black coated	2

016

PUSH-TO-CLOSE LOCK



- Two types of die-cast zinc cams
- No locking device needed
- Can open from inside by moving cam

APPLICATIONS

Generators, compressors, electric panels, machinery covers

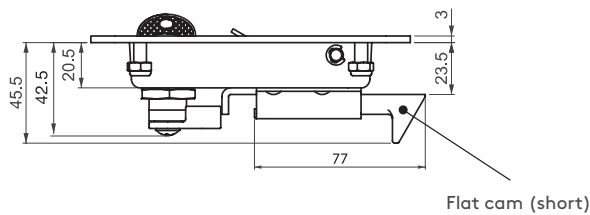
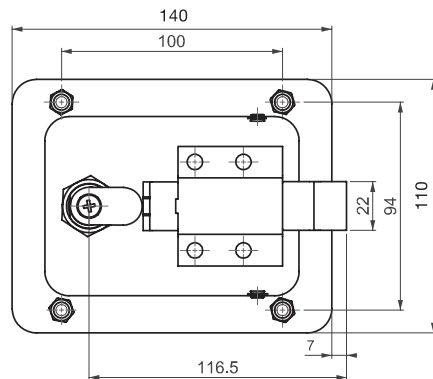
MATERIAL

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

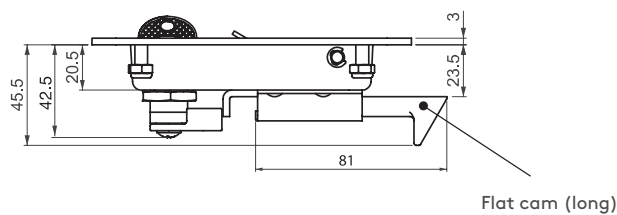
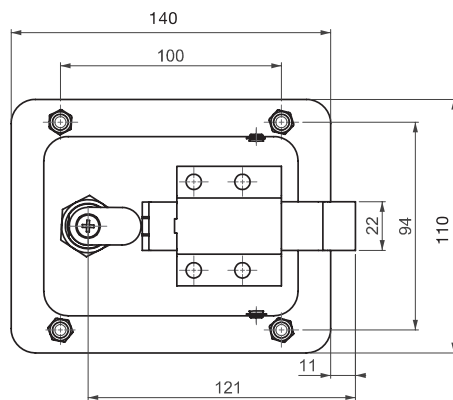
FINISH

Black coated

V : 2



V : 3



PUSH-TO-CLOSE LOCK

016



- Slam-shut operation with steel cam
- Can open from inside by moving cam

APPLICATIONS

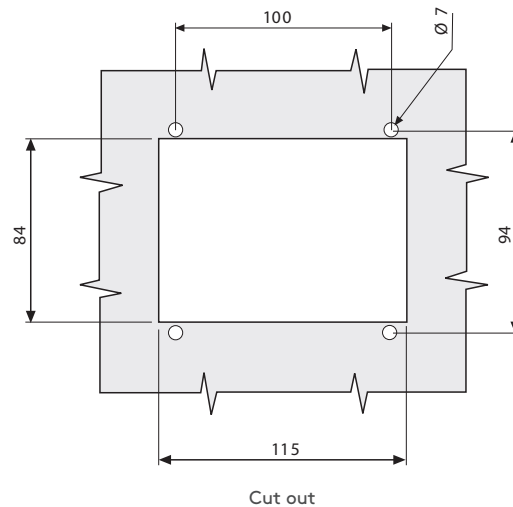
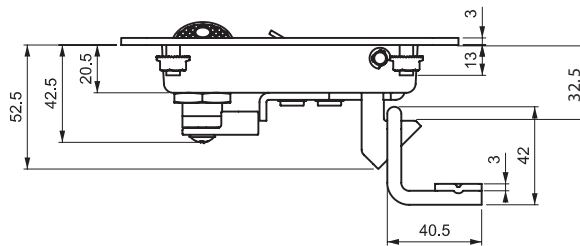
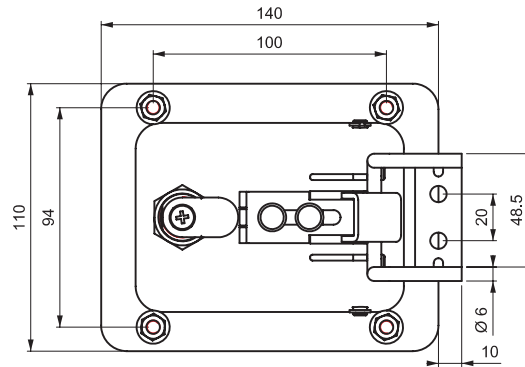
Generators, compressors, electric panels, machinery covers

MATERIAL

BODY: Steel
HANDLE: Steel
CAM: Steel
SCREW: Stainless steel
SEAL: Polyurethane

FINISH

Black coated



V : 4

CAM STRIKING PLATE

016 A71



- Stainless steel version: page 432
- Striking plate
- Custom sizes available

MATERIAL

Steel

FINISH

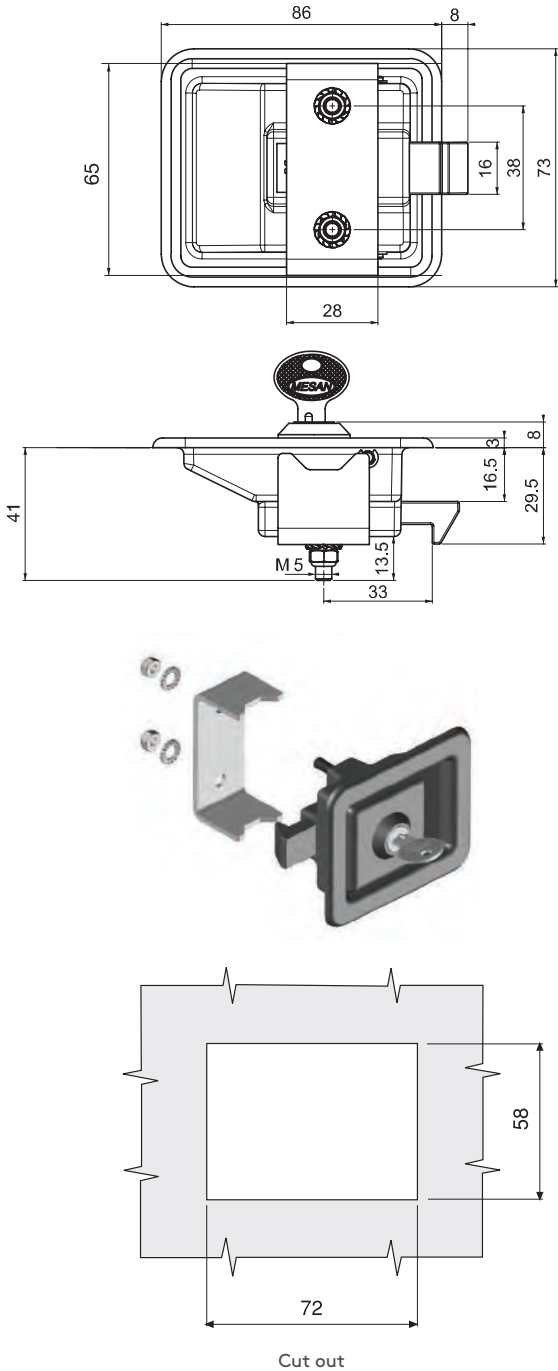
Zinc plated

PRODUCT CODE

016 - 6 - 2 - DD - 4
GROUP CODE MATERIAL FINISH CYLINDER VERSION

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

MATERIAL	M	FINISH	F
Steel	6	Black coated	2



PRODUCT CODE

116 - DD

GROUP CODE CYLINDER

SPECIFICATIONS	DD
No cylinder	00
Keyed alike	01
Keyed differ	02

116

PUSH-TO-CLOSE LOCK

IP 54

LH/RH

RoHS



- Delrin cams
- No locking device needed
- Can open from inside by moving cam

APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Delrin
MOUNTING BRACKET: Steel



No cylinder "00"

HEAVY-DUTY LOCKS

PUSH-TO-CLOSE LOCK

016



IP 54



LH/RH



RoHS

- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

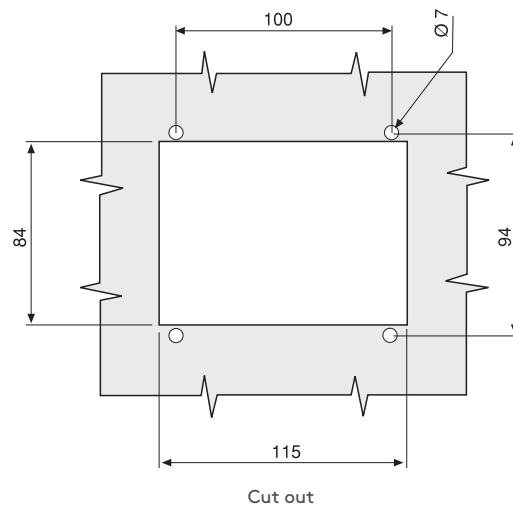
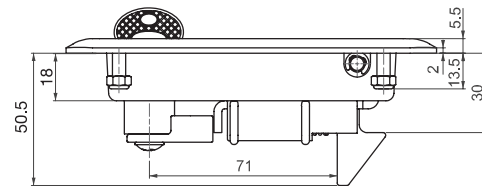
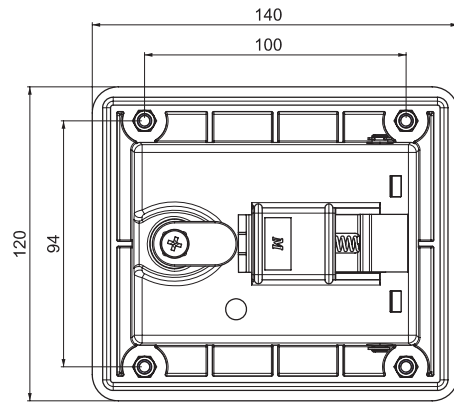
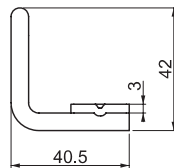
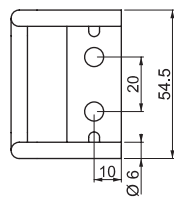
APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30

CAM: Brass or Delrin



CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

MATERIAL

Steel

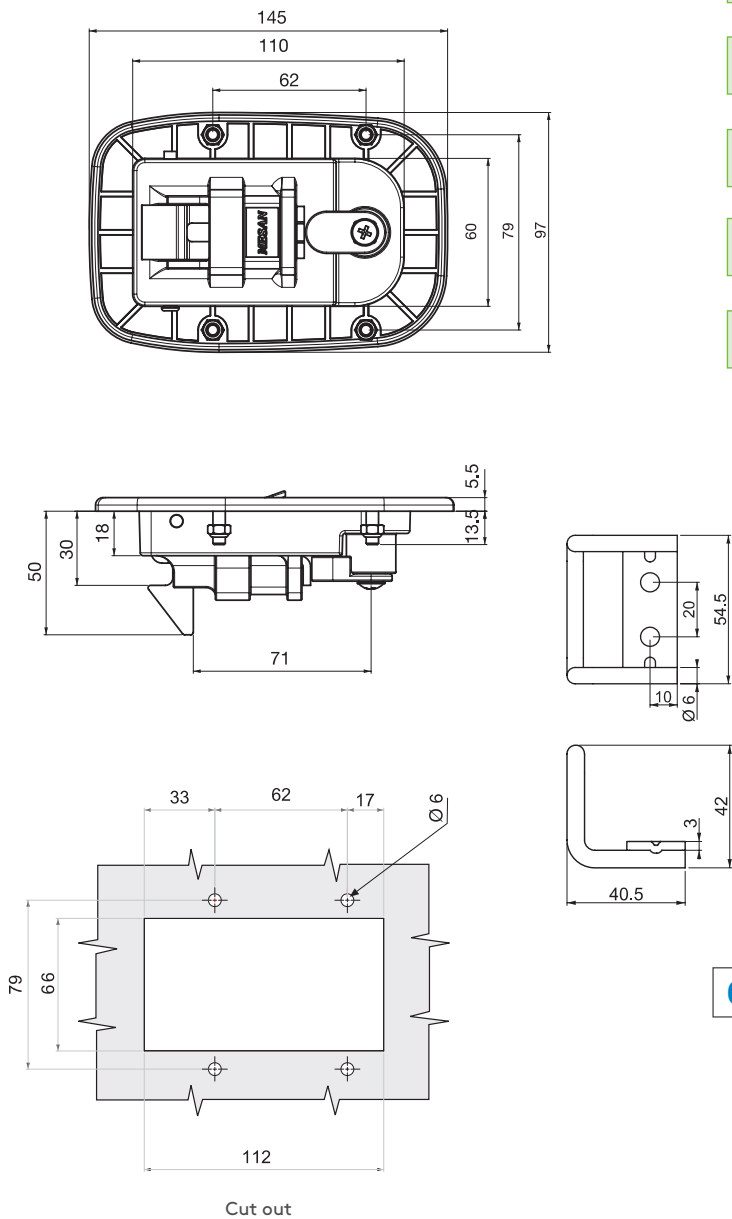
FINISH

Zinc plated

PRODUCT CODE

016	-	2	-	0	-	DD	-	CC
GROUP CODE		MATERIAL		FINISH		CYLINDER		CAM

SPECIFICATIONS	DD	CAM	CC
Stainless steel dust cap (Keyed alike)	03	Brass	01
Stainless steel dust cap (Keyed differ)	32	Plastic	02



216

PUSH-TO-CLOSE LOCK

IP 54

LH/RH

RoHS



- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

APPLICATIONS
Generators, compressors, electric panels, machinery covers

MATERIAL
BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
CAM: Brass or Delrin

016 A71

CAM STRIKING PLATE



- Striking plate
- Custom sizes available

MATERIAL
Steel

FINISH
Zinc plated

PRODUCT CODE

216	-	2	-	0	-	DD	-	CC
GROUP CODE		MATERIAL		FINISH		CYLINDER		CAM

SPECIFICATIONS	DD	CAM	CC
Stainless steel dust cap (Keyed alike)	03	Brass	01
Stainless steel dust cap (Keyed differ)	32	Plastic	02

HEAVY-DUTY LOCKS

PUSH-TO-CLOSE LOCK

316

New

IP 54

LH/RH

RoHS



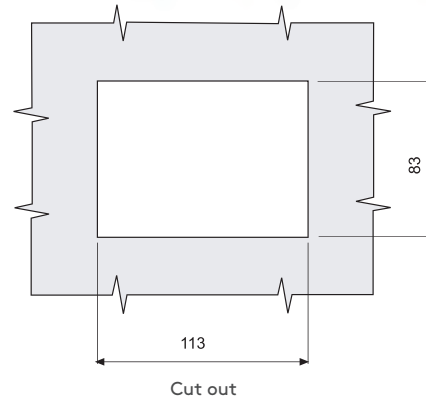
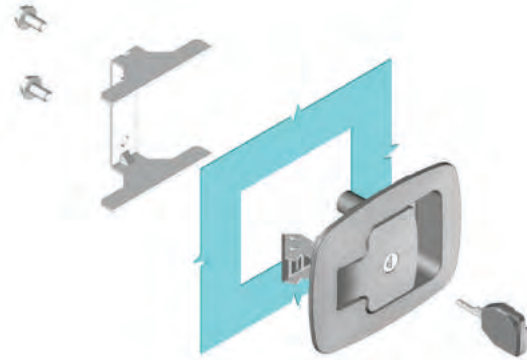
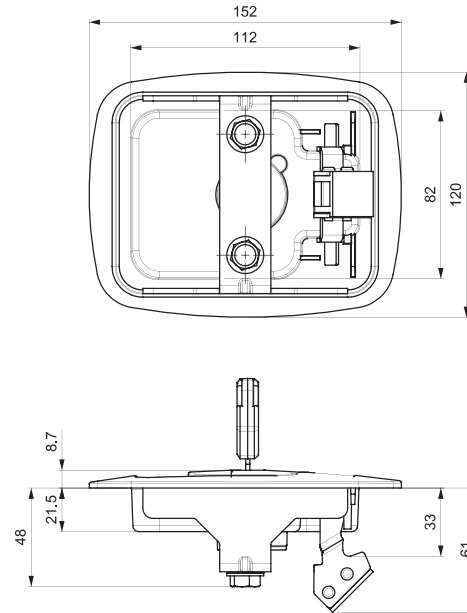
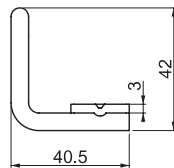
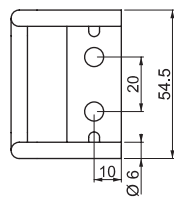
- Slam shut operation. Steel cam.
- Striking plate is needed
- Lock can be opened from inside by moving cam.

APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

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



CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

MATERIAL

Steel

FINISH

Zinc plated

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

PRODUCT CODE

316 - 2 - 0 - DD - 01
GROUP CODE MATERIAL FINISH CYLINDER CAM

SPECIFICATIONS

Stainless steel dust cap (Keyed alike)

DD
03

114

MINI 'T' HANDLE CABINET LOCK

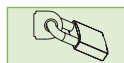


IP 65



LH/RH

RoHS



- Single-point locking
- 10 - 45 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

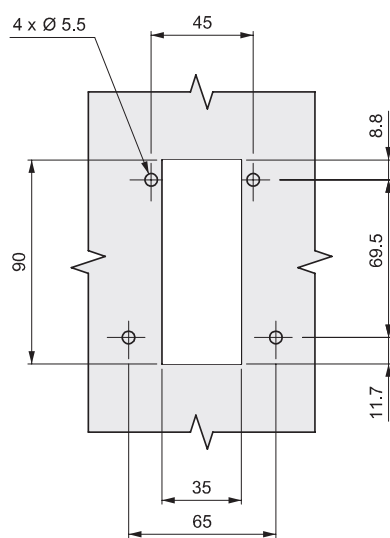
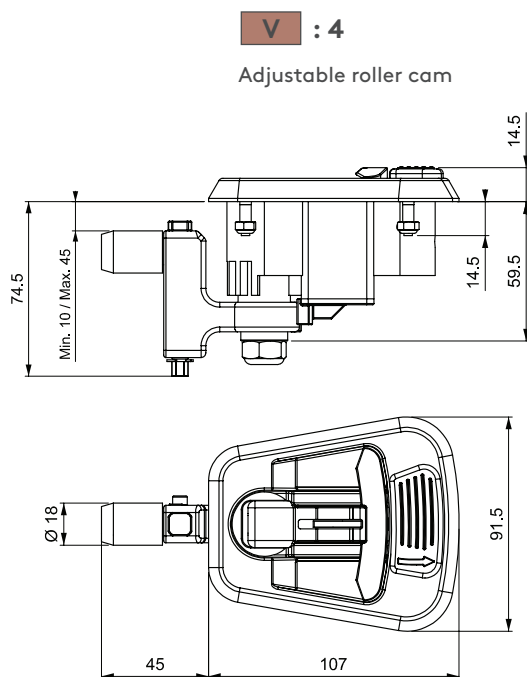
Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

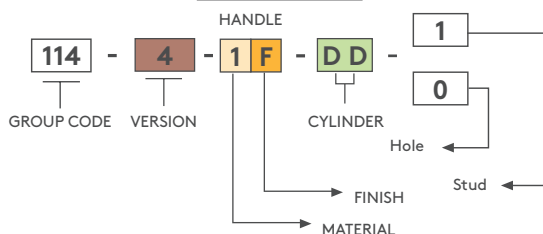
FINISH

HANDLE: Chrome or black coated



Cut Out

PRODUCT CODE



SPECIFICATIONS	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

HEAVY-DUTY LOCKS

MINI 'T' HANDLE CABINET LOCK

114



IP 65



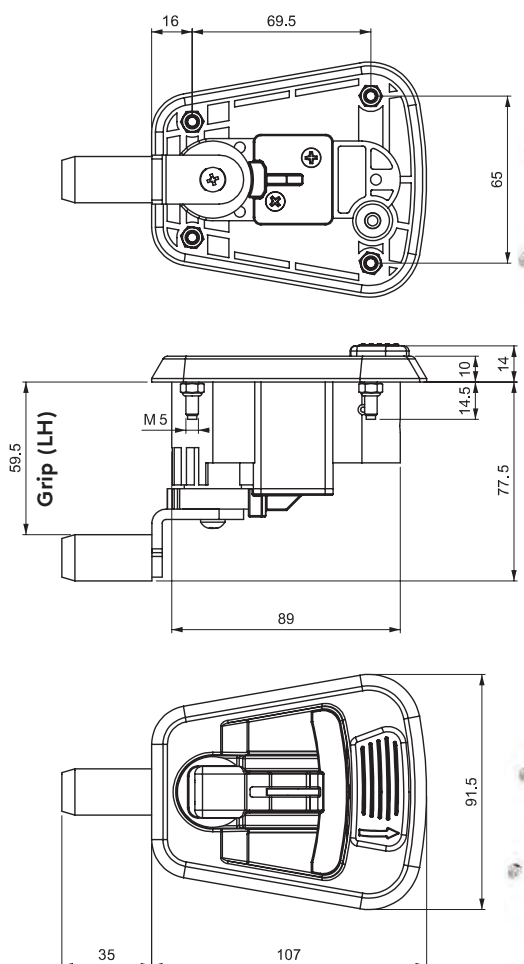
LH/RH

RoHS



- 1- Double security
- 2- Cylinder locking system
- 3- Sliding dust cap

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

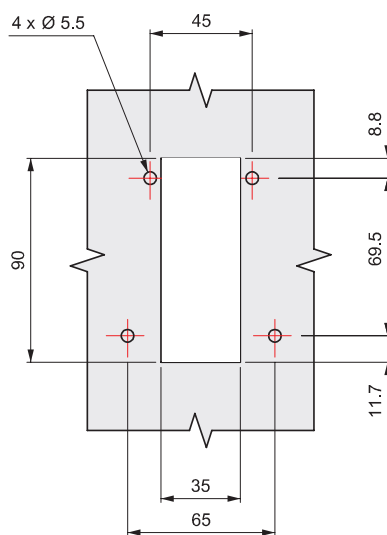


V : 2

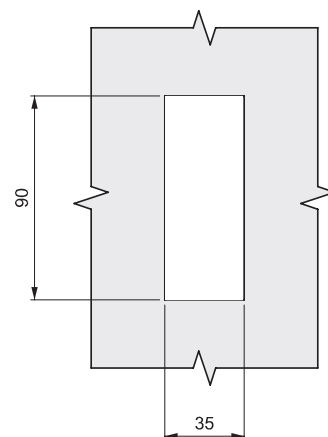
Stud version

V : 3

Hole version



Cut Out
V2 - V3



Cut Out
V1

114

MINI 'T' HANDLE CABINET LOCK



IP 65



LH/RH

RoHS



- Single point locking
- Easy locking by the roller cam
- 4 mm compression
- Optionally used with or without padlock.
- Fixing is possible by rivets, bolts or bracket
- Can be supplied without cylinder.
- Fixed grip
- Please contact us for different grip (LH)

APPLICATIONS

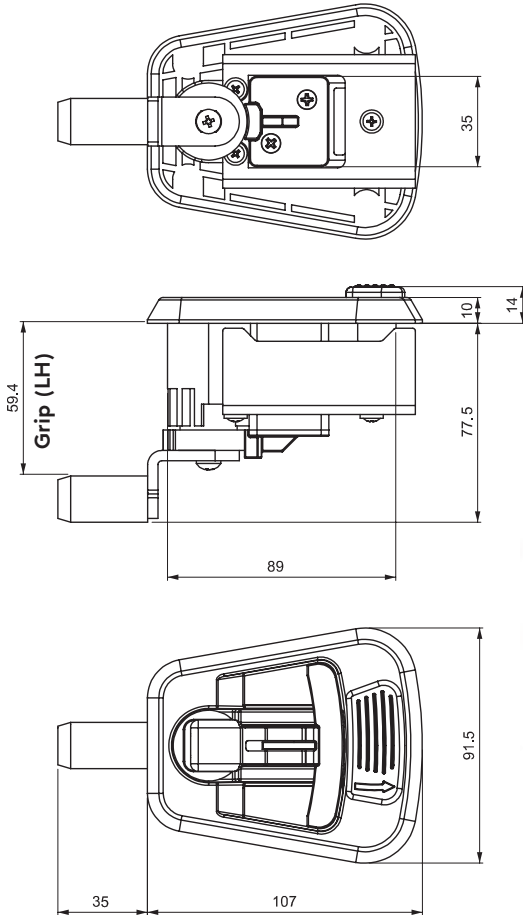
Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

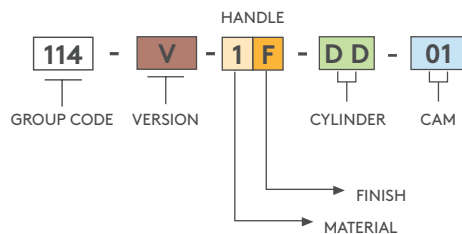
HANDLE: Chrome or black coated



V :1
Bracket version



PRODUCT CODE



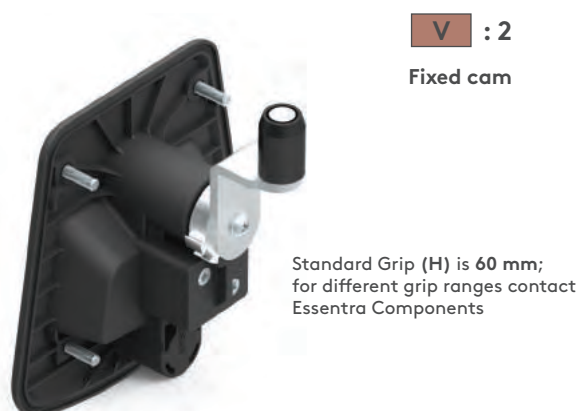
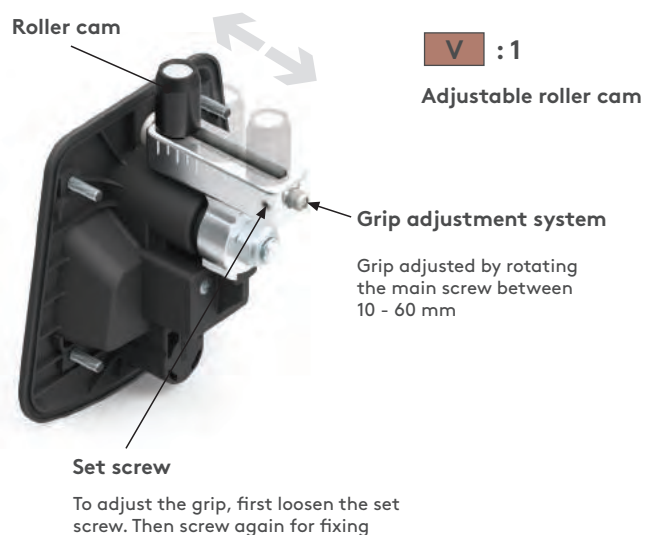
SPECIFICATIONS	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

014

VERSIONS

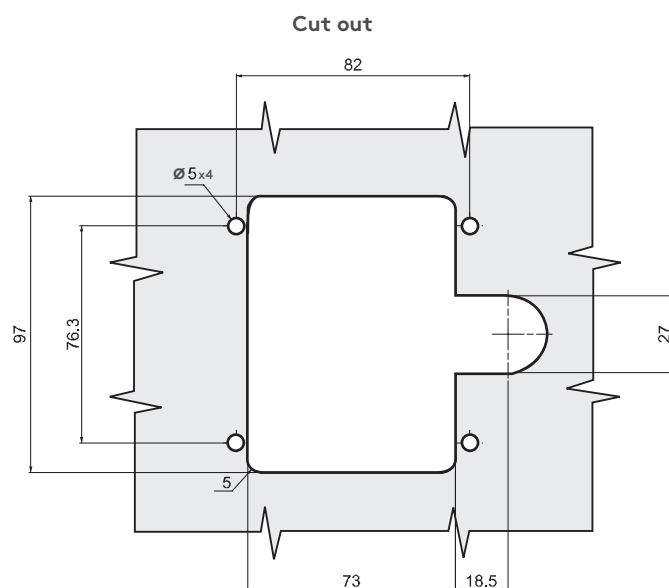


GENERAL FEATURES



Padlockable
Max. hasp dia 9 mm

Stud or hole option
M5 stud or rivet



014

T HANDLE HEAVY-DUTY LOCK

IP 65



LH/RH

RoHS



- Single-point locking
- 10 - 60 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

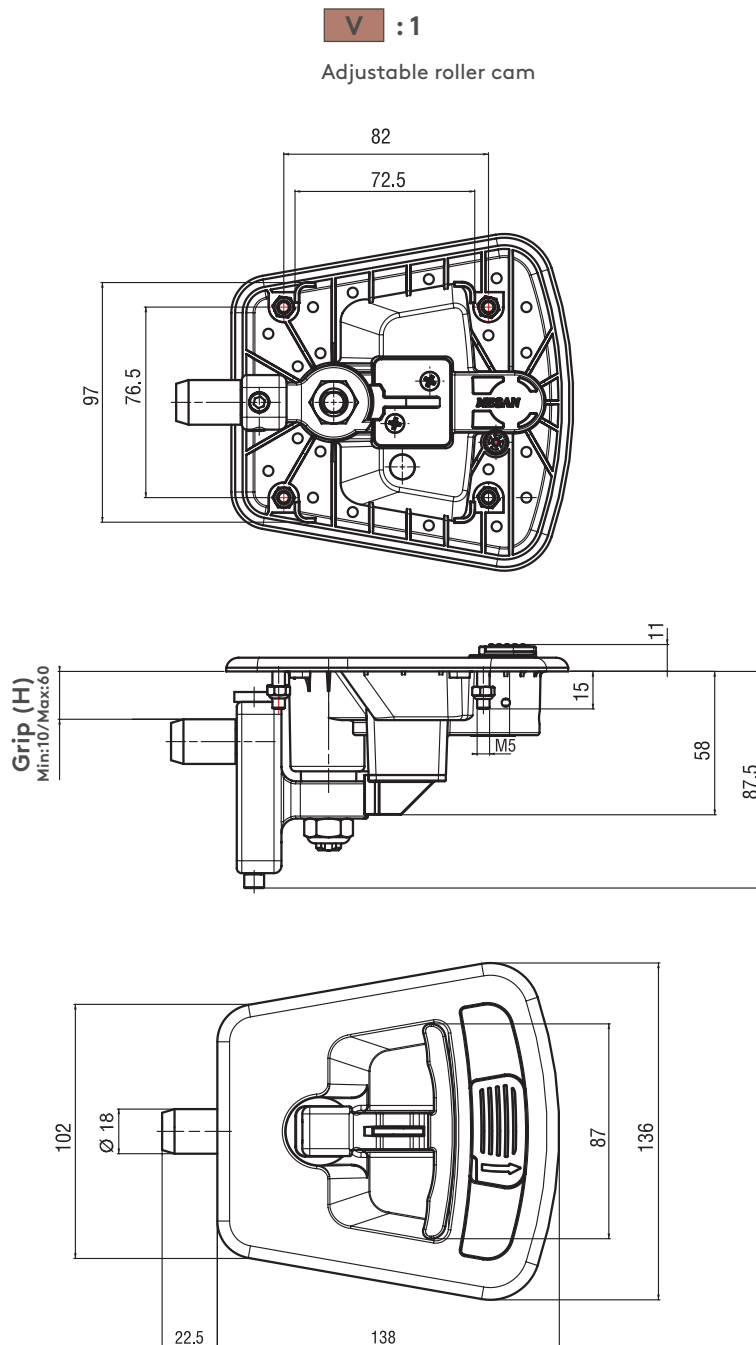
Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

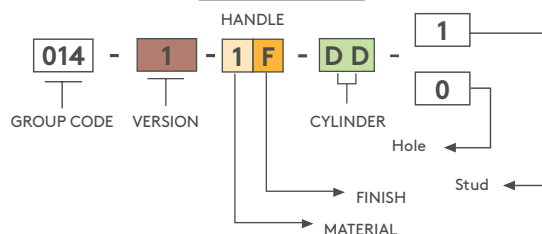
BODY: Polyamid DIN-EN ISO 1043-1PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

HANDLE: Chrome or black coated



PRODUCT CODE



SPECIFICATIONS	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

HEAVY-DUTY LOCKS

T HANDLE HEAVY-DUTY LOCK

014



IP 65

LH/RH

RoHS

- Fixed grip
- Single-point locking
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

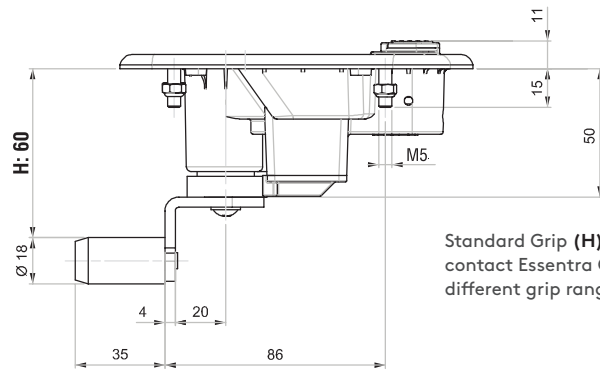
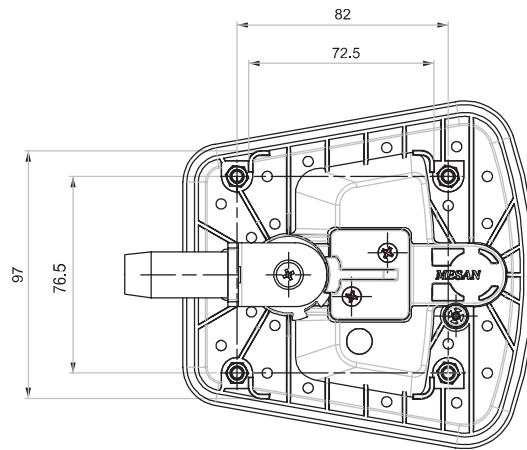
BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

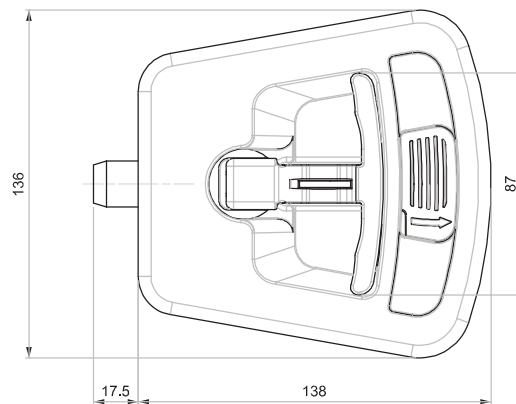
HANDLE: Chrome or black coated

V : 2

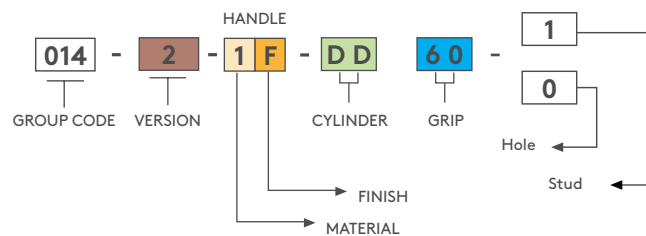
Fixed cam



Standard Grip (H) is 60 mm;
contact Essentra Components for
different grip ranges



PRODUCT CODE



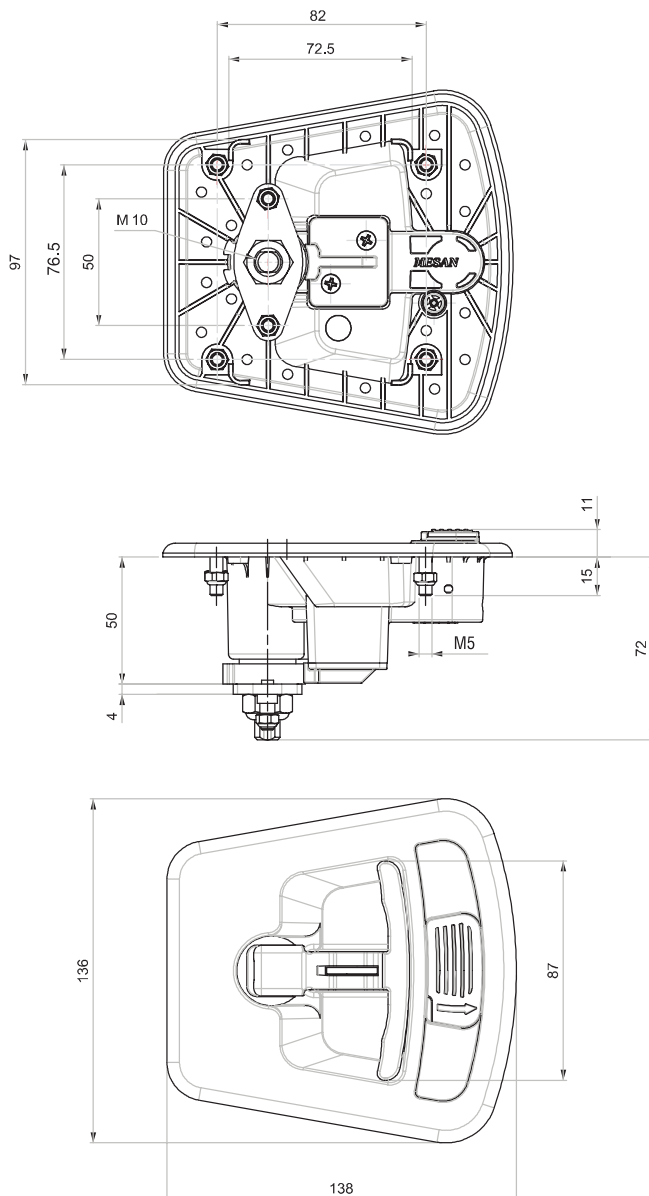
Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

SPECIFICATIONS	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

V : 3

Espagnolette cam



014

T HANDLE HEAVY-DUTY LOCK

IP 65



LH/RH

RoHS



- Two-point locking
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

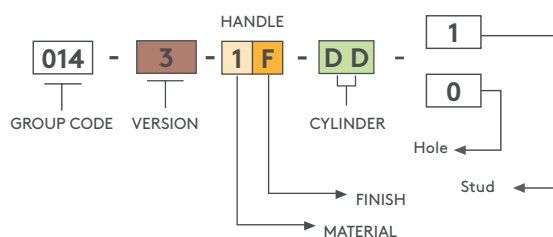
BODY: Polyamid DIN-EN ISO 1043-1PA6 GFR 30

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

HANDLE: Chrome or black coated

PRODUCT CODE



SPECIFICATIONS	DD
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

HEAVY-DUTY LOCKS

T HANDLE HEAVY-DUTY LOCK

014



IP 65



LH/RH

RoHS



- Three-point locking
- 10 - 60 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774- ZnAl4Cu1

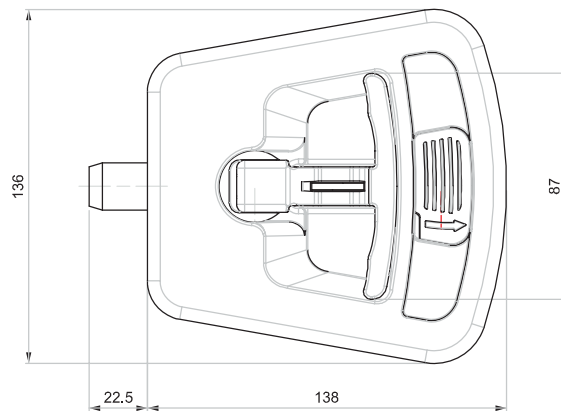
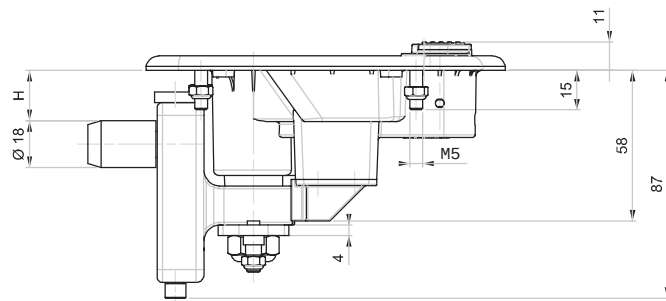
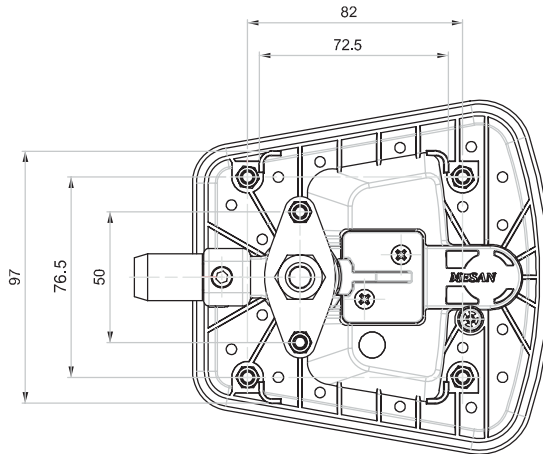
FINISH

HANDLE: Chrome or black coated

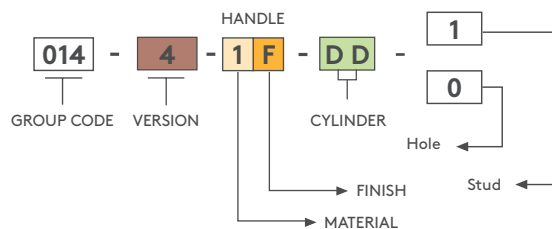
Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

V : 4

Espagnolette cam and adjustable roller cam



PRODUCT CODE

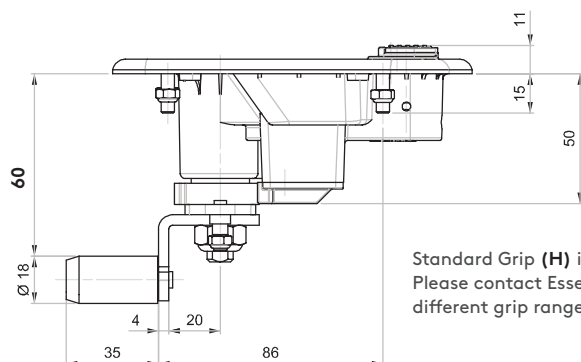
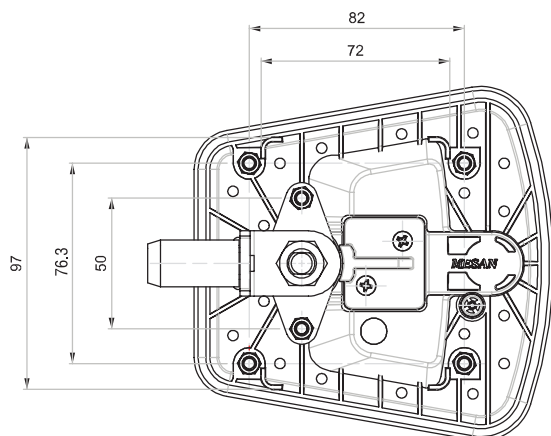


SPECIFICATIONS	D D
Stainless steel dust cap (Keyed alike)	03
Stainless steel dust cap (Keyed differ)	32
CH751 (Stainless steel dust cap)	07

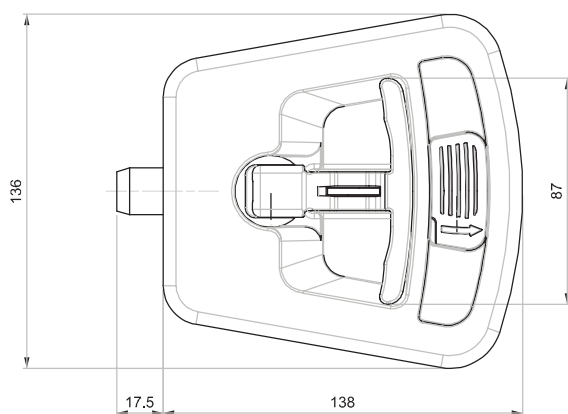
FINISH	F
Chrome	1
Black coated	2

V : 5

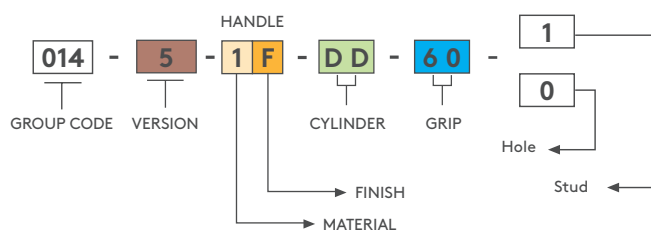
Espagnolette cam and fixed cam



Standard Grip (H) is 60 mm
Please contact Essentra Components for different grip ranges



PRODUCT CODE



SPECIFICATIONS	DD
Stainless steel dust cap Keyed alike	03
Stainless steel dust cap Keyed differ	32
CH751 (Stainless steel dust cap)	07

FINISH	F
Chrome	1
Black coated	2

014

T HANDLE HEAVY-DUTY LOCK

IP 65



LH/RH

RoHS



- Fixed Grip
- Three-point locking
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

APPLICATIONS

Generators, construction equipment, electric panels, panel vans, machinery covers

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

HANDLE: Chrome or black coated

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in the UK and USA

T HANDLE HEAVY-DUTY LOCK

015

IP 65

LH/RH

RoHS

V : 1
(VERTICAL)



- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available
- Provides three-point locking

APPLICATIONS

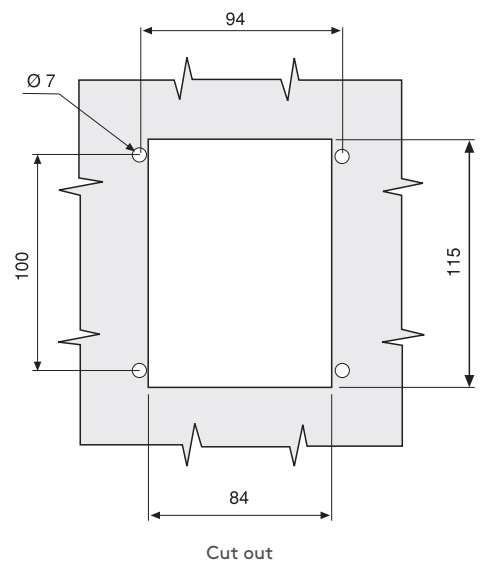
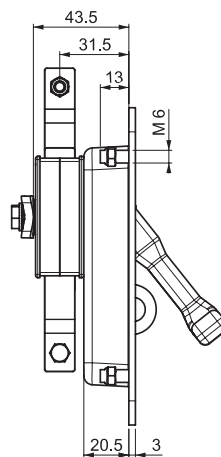
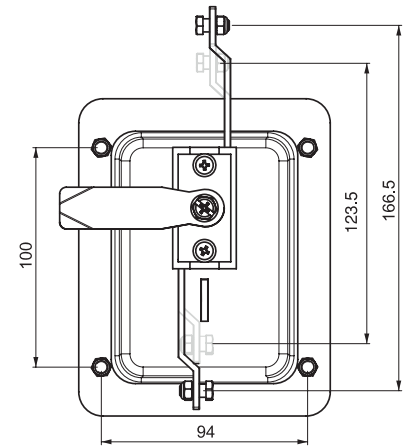
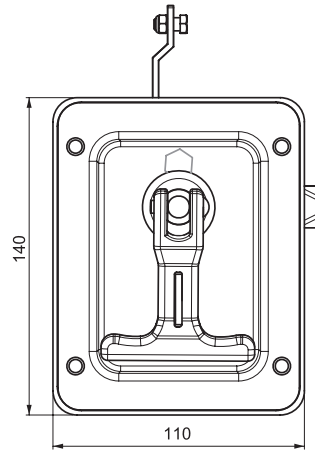
Electrical substations

MATERIAL

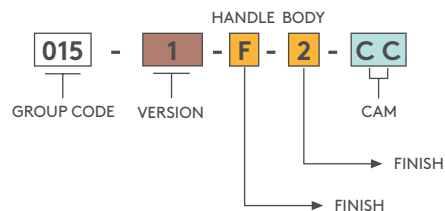
BODY: Steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SCREW: Stainless steel
SEAL: Polyurethane

FINISH

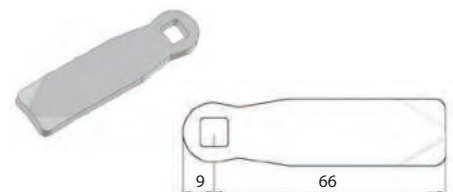
BODY: Black coated
HANDLE: Chrome or black coated



PRODUCT CODE



FINISH	F	70	CAM
Chrome	1	00	NO CAM
Black coated	2		

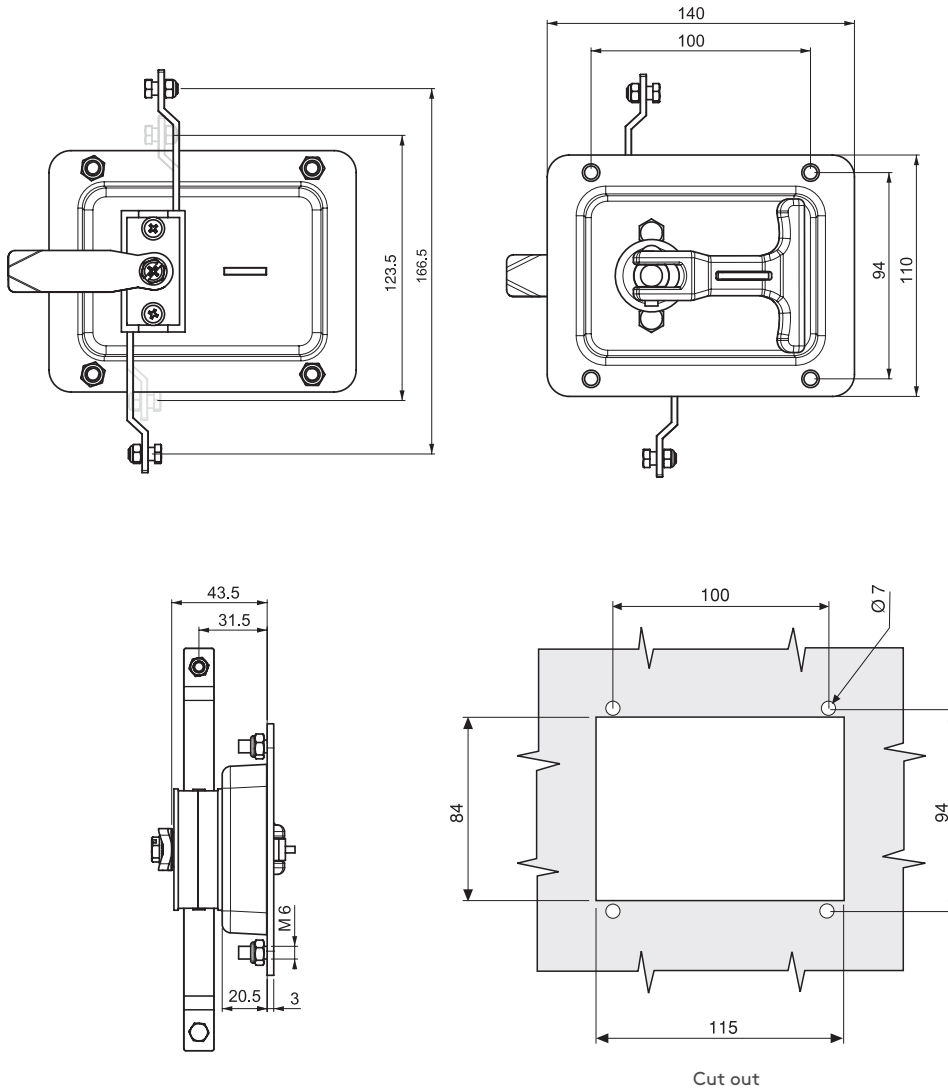


For cams please check pages: 146 - 147

015

T HANDLE HEAVY DUTY LOCK

V : 2
(HORIZONTAL)



- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available
- Provides three-point locking

APPLICATIONS

Electrical substations

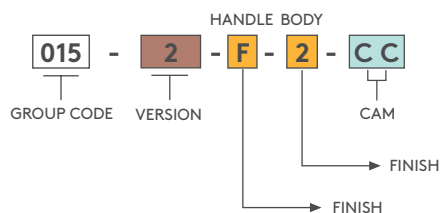
MATERIAL

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

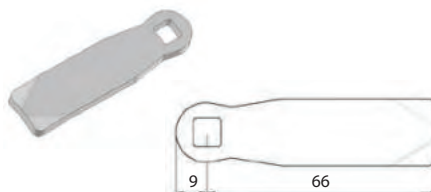
FINISH

HANDLE: Chrome or black coated
BODY: Black coated

PRODUCT CODE



FINISH	F	70	CAM
Chrome	1	00	NO CAM
Black coated	2		



For cams please check pages: 146 - 147

HEAVY-DUTY LOCKS

T HANDLE HEAVY-DUTY LOCK

015

IP 65

LH/RH

RoHS



- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available

APPLICATIONS

Electrical substations

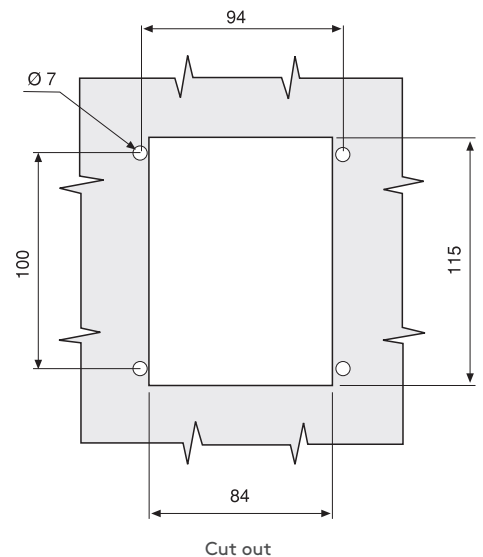
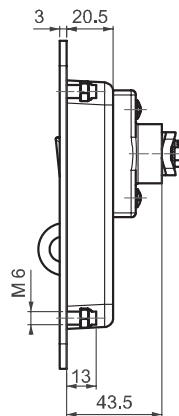
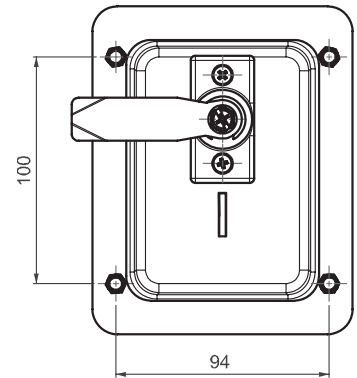
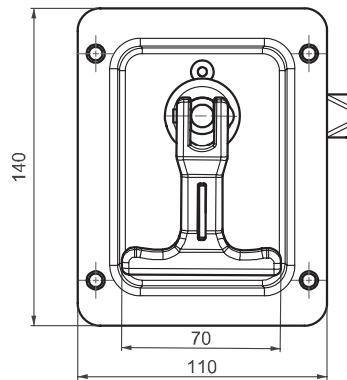
MATERIAL

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

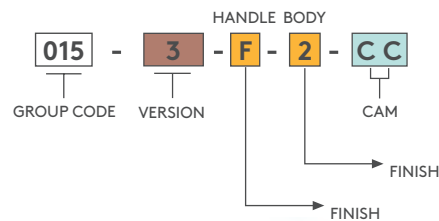
FINISH

HANDLE: Chrome or black coated
BODY: Black coated

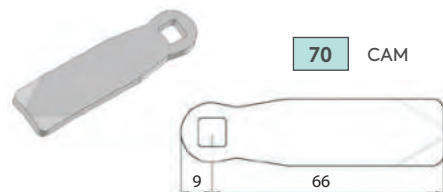
V : 3
(VERTICAL)



PRODUCT CODE



FINISH	F
Chrome	1
Black coated	2



For cams please check pages: 146 - 147

015

T HANDLE HEAVY-DUTY LOCK

V : 4
(HORIZONTAL)



- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available

APPLICATIONS

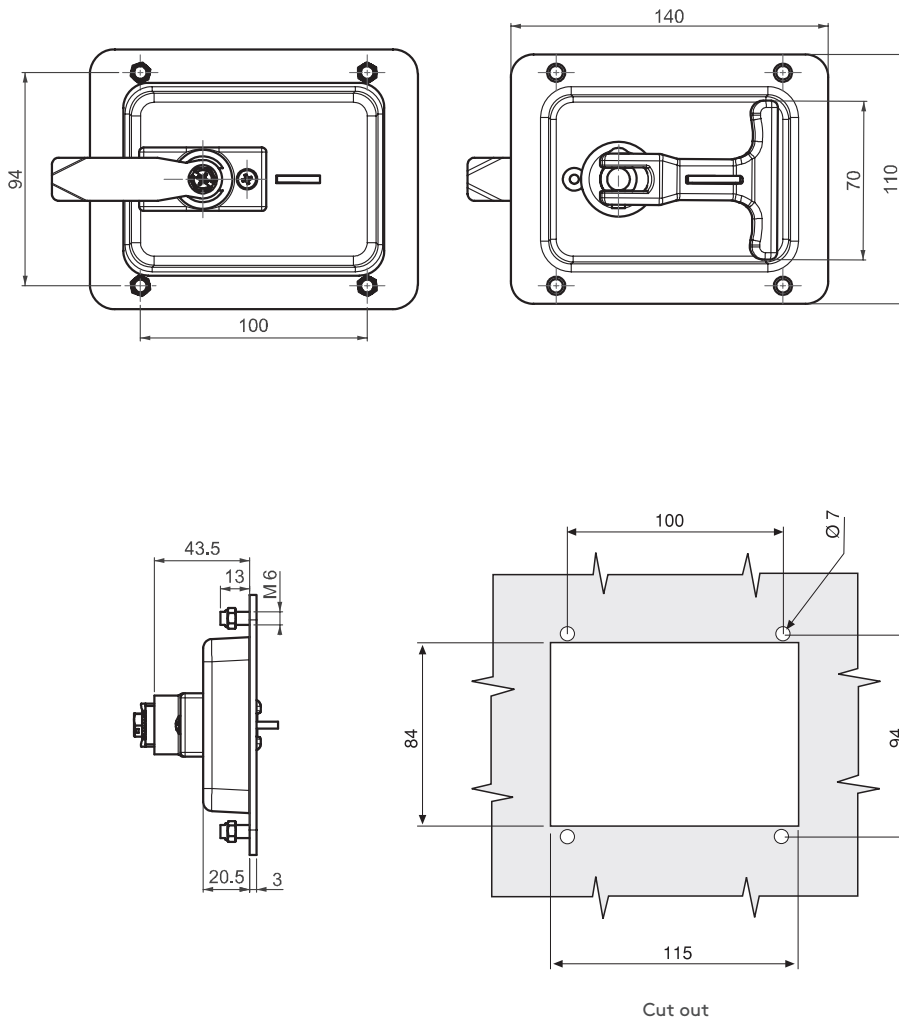
Electrical substations

MATERIAL

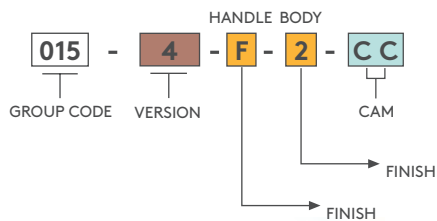
BODY: Steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
SCREW: Stainless steel
SEAL: Polyurethane

FINISH

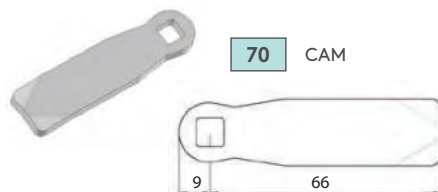
HANDLE: Chrome or black coated
BODY: Black coated



PRODUCT CODE



FINISH	F
Chrome	1
Black coated	2



For cams please check pages: 146 - 147

T HANDLE HEAVY-DUTY LOCK

115

IP 65

LH/RH



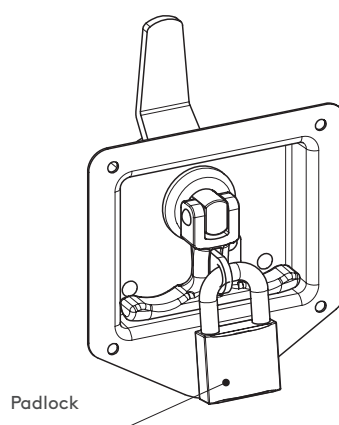
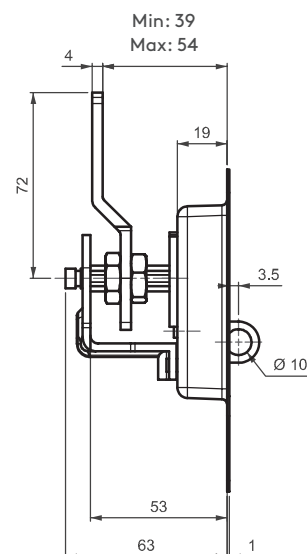
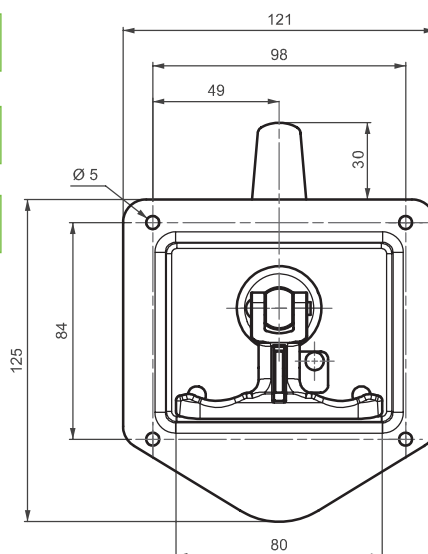
- Suitable for special equipment cases
- Adjustable cam for wide grip range
- Maximum padlock shackle diameter 9 mm

APPLICATIONS

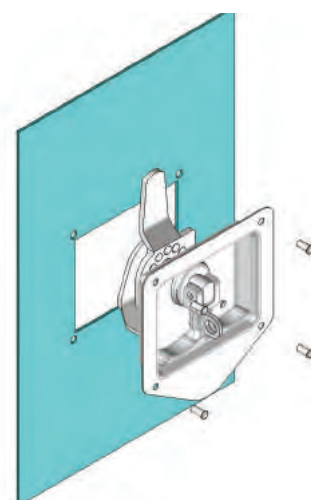
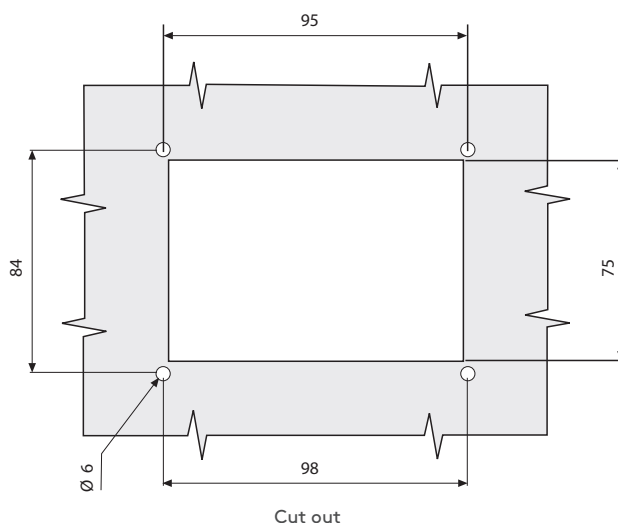
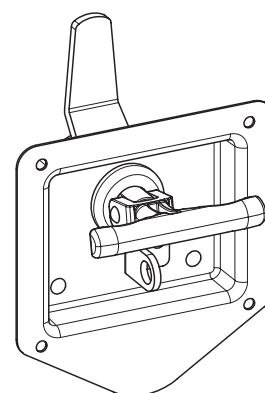
Generators, truck, metal cabinets

MATERIAL

BODY: Stainless steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PADLOCK HASP: Stainless steel
CAM: Steel



Padlock



215

T HANDLE HEAVY-DUTY LOCK

IP 65



LH/RH



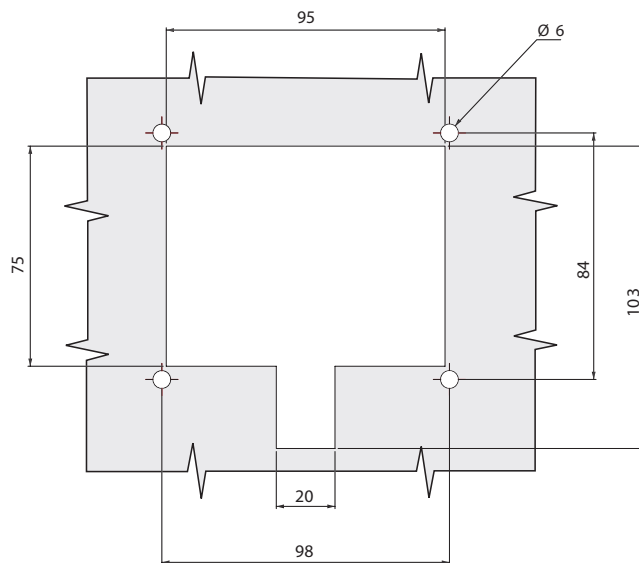
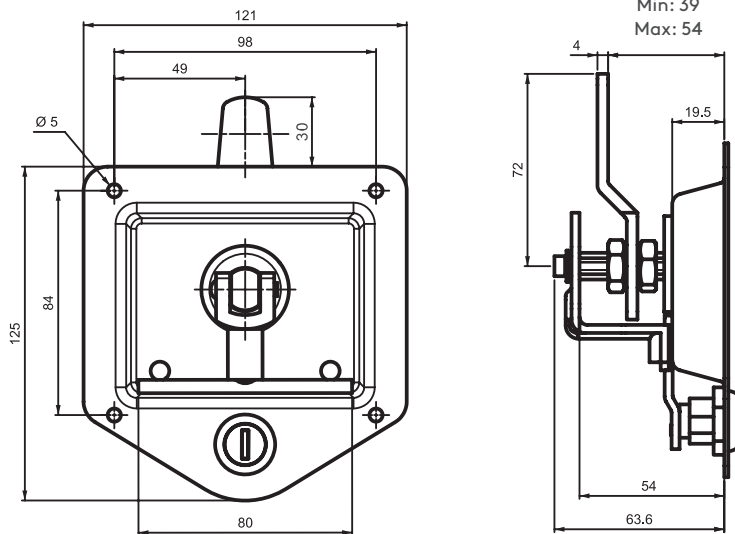
- Suitable for special equipment cases
- Adjustable cam for wide grip range

APPLICATIONS

Generators, truck, metal cabinets

MATERIAL

BODY: Stainless steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel



T HANDLE HEAVY-DUTY LOCK

315



IP 65



LH/RH



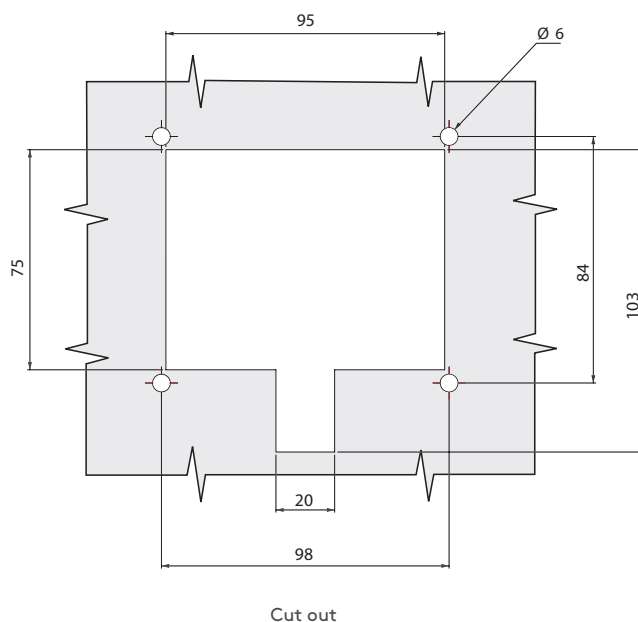
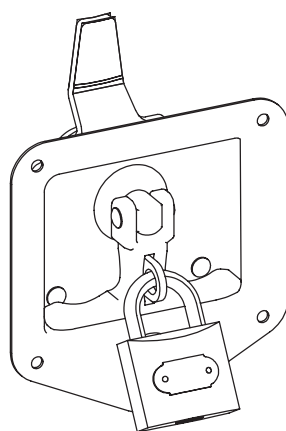
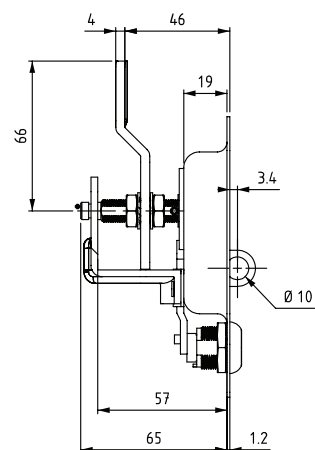
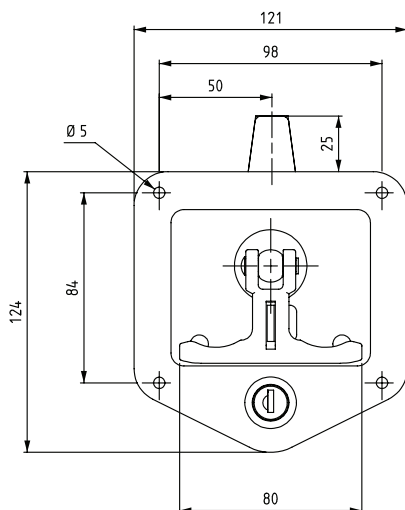
- Suitable for special equipment cases
- Adjustable cam for wide grip range
- Maximum padlock shackle diameter 9 mm

APPLICATIONS

Generators, truck, metal cabinets

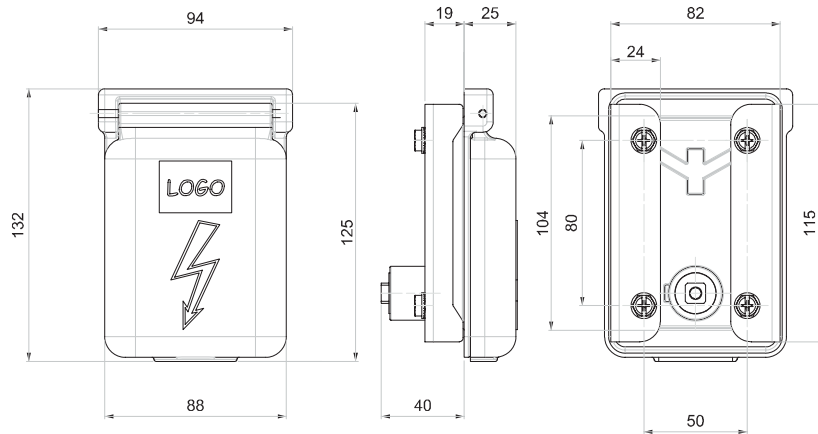
MATERIAL

BODY: Stainless steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PADLOCK HASP: Stainless steel
CAM: Steel



118

T HANDLE HEAVY-DUTY LOCK



LH/RH

RoHS



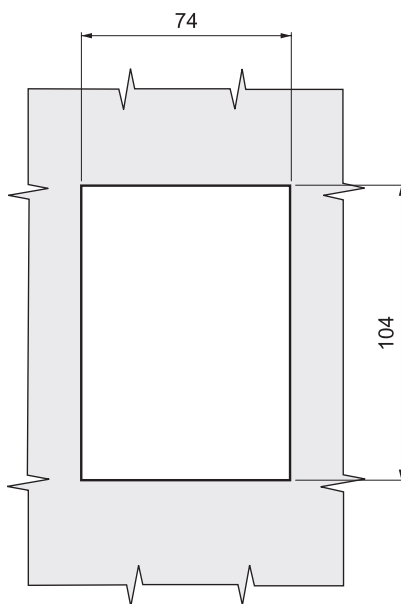
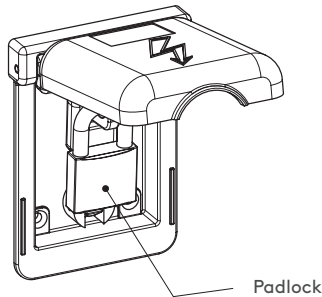
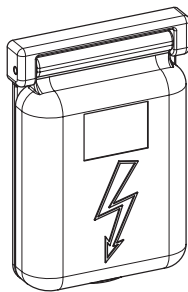
- For low voltage cabinets
- Optional polyurethane gasketing
- Maximum padlock shackle diameter 10 mm
- Option to be supplied without painting or plating
- For customised cam contact Essentra

APPLICATIONS

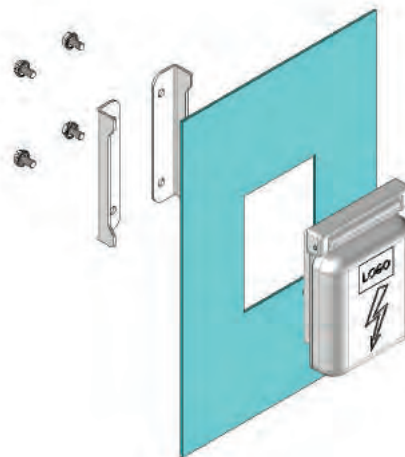
Electricital Substation

MATERIAL

BODY: Aluminium
COVER: Aluminium
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PAD LOCK HASP: Aluminium



Cut out



HEAVY-DUTY LOCKS

T HANDLE HEAVY-DUTY LOCK

018



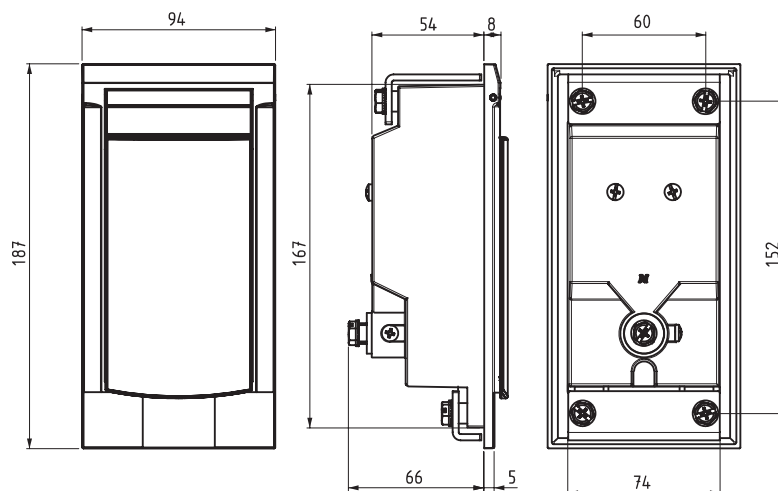
IP 65



LH/RH



RoHS



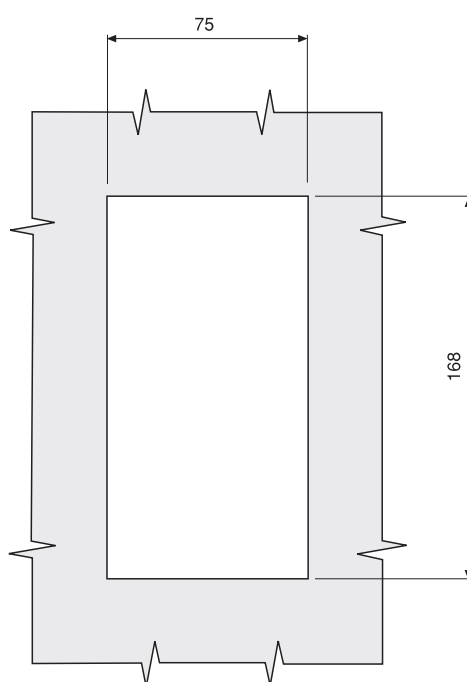
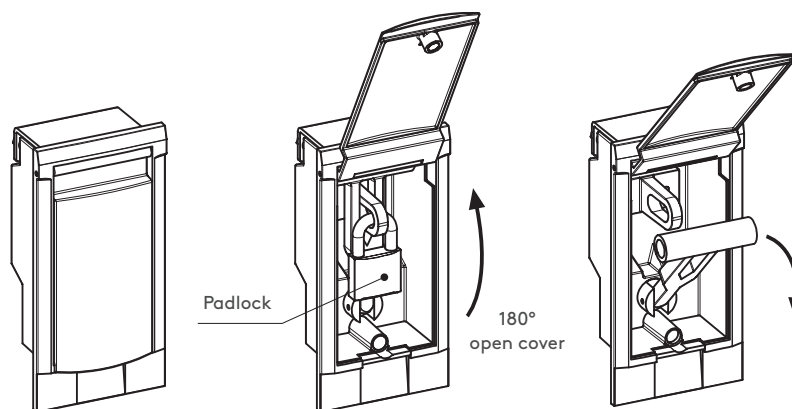
- Especially designed for medium voltage panels
- Foam gasketing provides sealing
- Maximum padlock shackle diameter 9 mm
- For customised cam and colours contact Essentra

APPLICATIONS

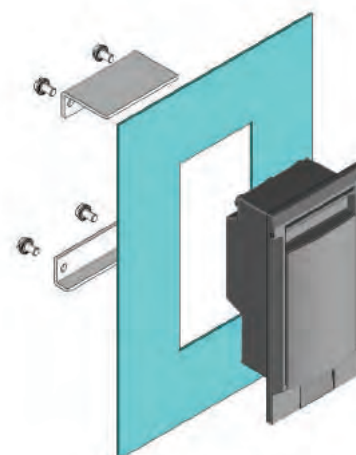
Electrical substations

MATERIAL

BODY: Aluminium
COVER: Aluminium
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless steel
PADLOCK HASP: Zamak



Cut out



018

T HANDLE HEAVY-DUTY LOCK



IP 65



LH/RH



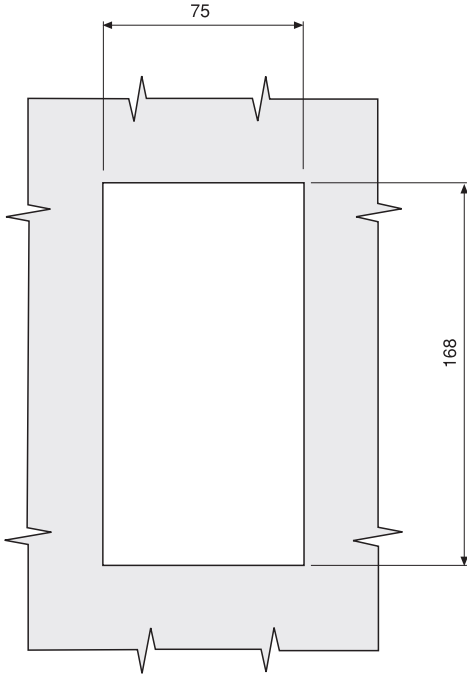
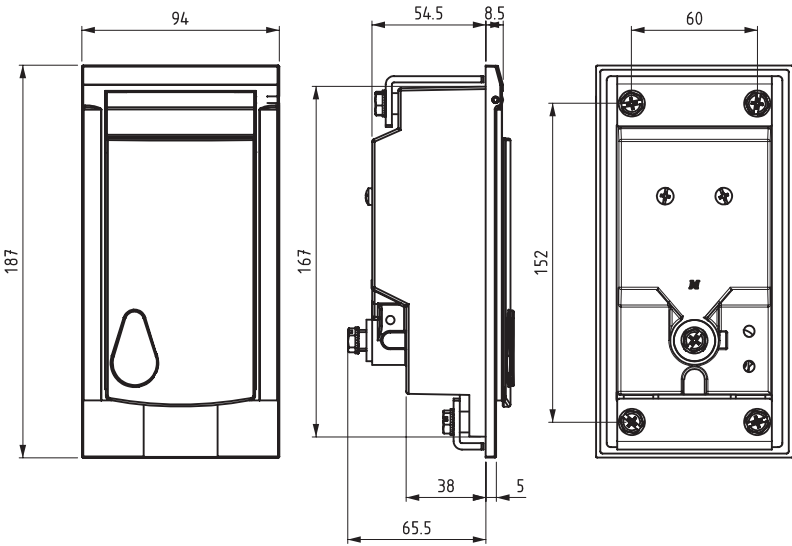
RoHS



- For low voltage cabinets
- Optional polyurethane gasketing
- Maximum padlock shackle diameter 10 mm
- Option to be supplied without painting or plating
- For customised cam contact Essentra

APPLICATIONS
Electricital Substation

MATERIAL
BODY: Aluminium
COVER: Aluminium
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PAD LOCK HASP: Aluminium



Cut out

PRODUCT CODE

018 - 2 - DD

GROUP CODE VERSION CYLINDER

SPECIFICATIONS	DD
Keyed alike	01
Keyed differ	02



LOCKS



MISCELLANEOUS PRODUCTS

GROUP CODE	PRODUCT NAME
012	HVAC LOCK
012 A1	INTERNAL SAFETY HANDLE
612	HVAC LOCK
712	FUNCTIONAL LOCKING HINGE
075	PANEL LOCK WITH HEXAGONAL HEAD
462	BRIDGE CLAMP SYSTEM
078	CLAMPS (3D)
3501	EMERGENCY STOP BUTTON
077	COMPRESSION LOCK
177	COMPRESSION LOCK
170	LIFT-AND-TURN LOCK
070	LIFT-AND-TURN LOCK
072	FUNCTIONAL LOCK
270	SWELL LOCK
071	SLIDING LOCK
371	SLIDING LOCK
571	SLIDING LOCK
271	SLIDING LOCK
471	MINI SLIDING LOCK
171	MINI SLIDING LOCK
466	MINI LOCK
183	QUARTER-TURN LOCK
176	HOOKEED LOCK



ESSENTRA

PAGE	
110 - 113	
114	
115	
116 - 117	
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119	
120	
121	
122 - 123	
124 - 125	
126 - 127	
128	
129	
130 - 131	
132	
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137	
138	
139	
140	



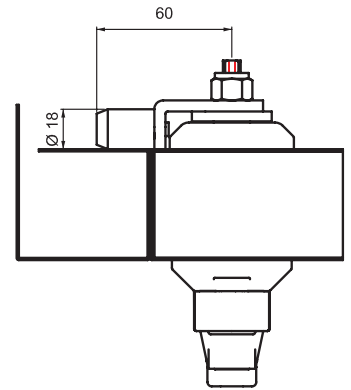
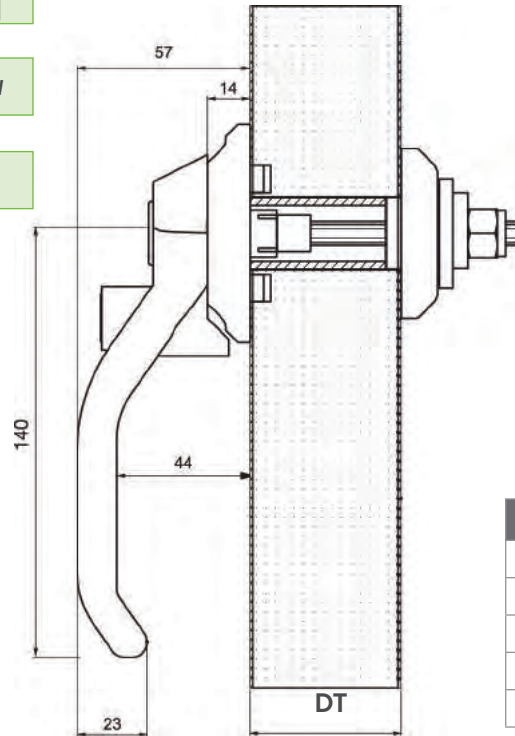
HVAC LOCK

012

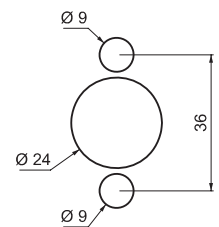


LH/RH

RoHS



DT
30
40
50
60
80



Cut out

- Removable handle for easy assembly on site
- Roller cam requires less force for locking
- With or without cylinder and driver available
- Can be used for different door thicknesses
- Internal handle available for opening door from inside for safety purposes

APPLICATIONS

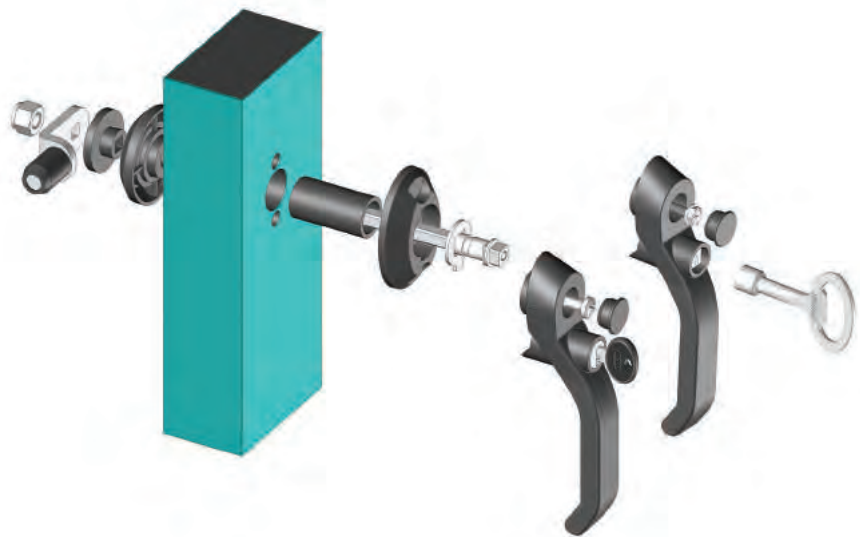
Heating and ventilation panels

MATERIAL

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

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

CAM: Steel



PRODUCT CODE

012	-	1	-	DT	-	DD	-	01
GROUP CODE		VERSION		DOOR THICKNESS		CYLINDER		CAM

CYLINDER	SPECIFICATIONS	DD	DRIVER
	No cylinder	00	10 mm Square
	Keyed alike	01	
	Keyed differ	02	DD 20
	Euro key (5333)	05	
	CH751 (Stainless steel dust cap)	07	

012

HVAC LOCK



LH/RH

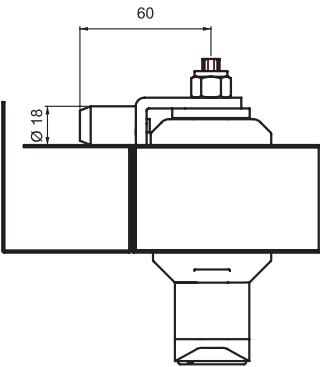
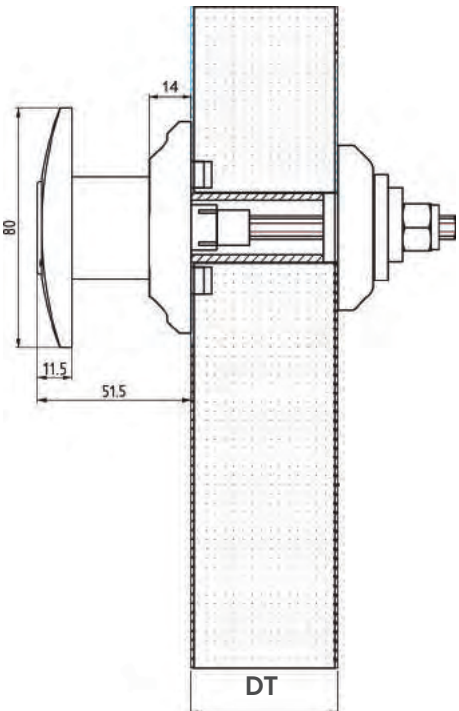
RoHS



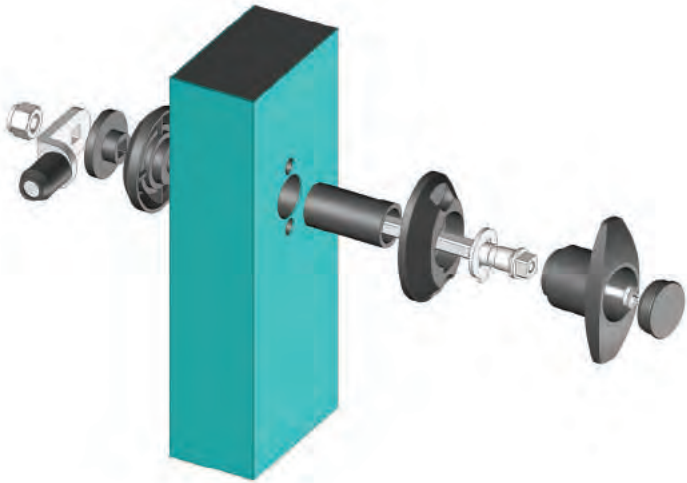
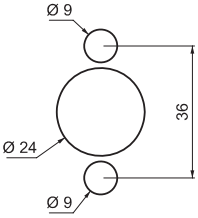
- Roller cam requires less force for locking
- Without-cylinder version
- Can be used for different door thicknesses
- Compact design requires less space

APPLICATIONS
Heating and ventilation panel

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



DT
30
40
50
60
80



PRODUCT CODE

012

-

3

-

DT

-

00

-

01

GROUP CODE

VERSION

DOOR THICKNESS

CYLINDER

CAM

HVAC LOCK

012



LH/RH

RoHS

- Can be operated without handle

APPLICATIONS

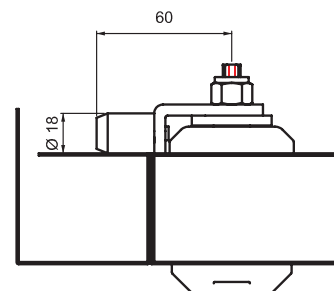
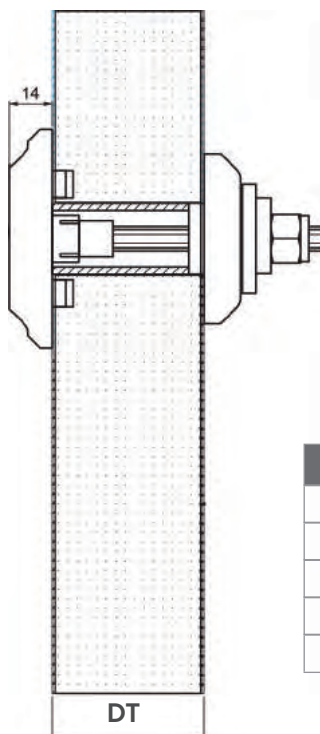
Heating and ventilation panel

MATERIAL

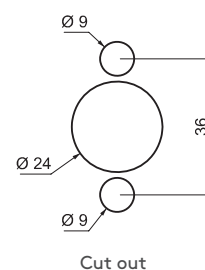
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

CAM: Steel

ADJUSTABLE SCREW: Steel



DT
30
40
50
60
80



METAL KEY

368.20

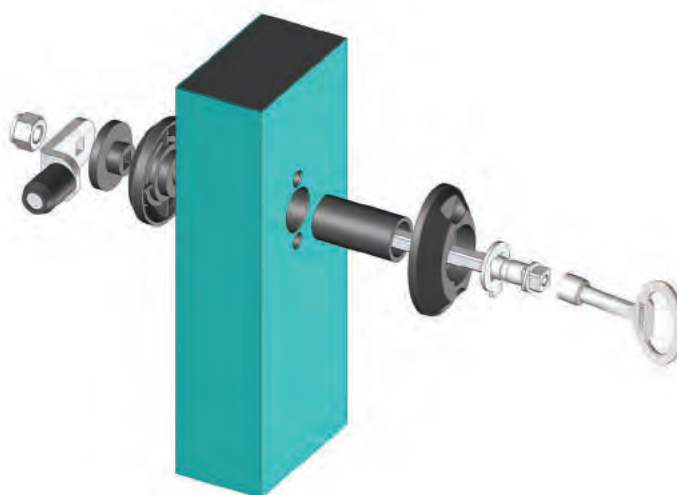


MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome plated

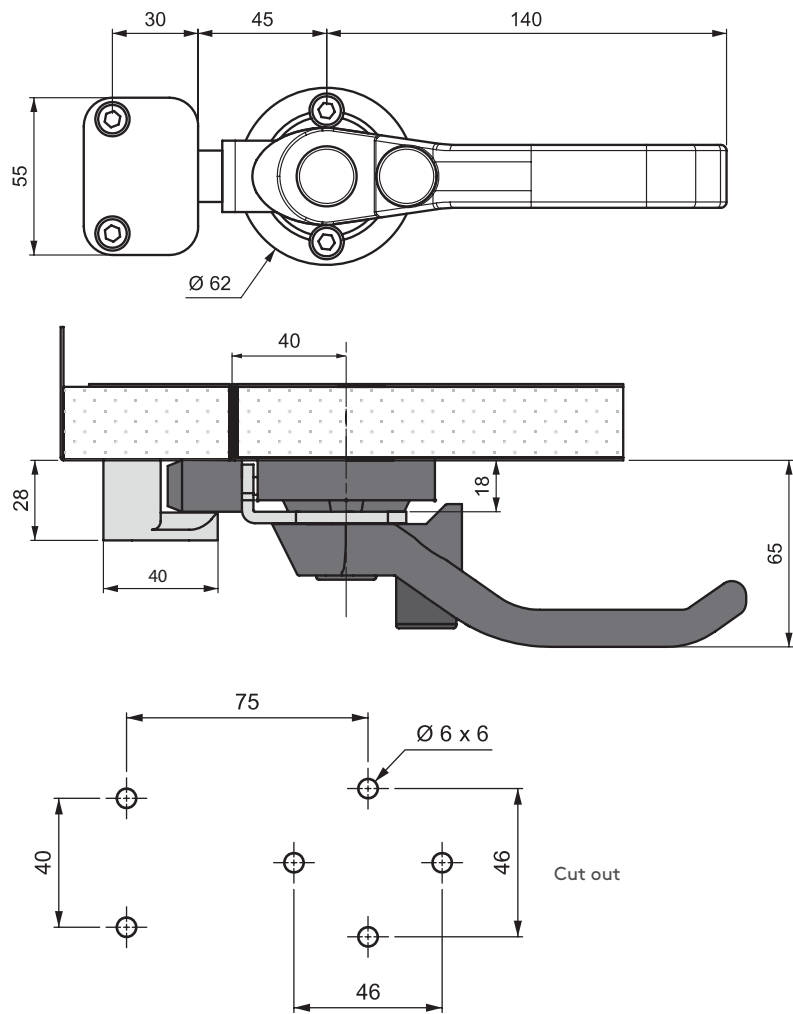


PRODUCT CODE

012	-	4	-	DT	-	01
GROUP CODE		VERSION		DOOR THICKNESS		CAM

012

HVAC LOCK



- Outside locking system provides safety for pressurised doors
- Roller cam requires less force for locking
- Can be used for different door thicknesses

APPLICATIONS
Heating and ventilation panel

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

012 A2

STRIKING PLATE



MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

PRODUCT CODE

012 - 2 - 00 - 01
GROUP CODE VERSION CYLINDER CAM

MISCELLANEOUS PRODUCTS

INTERNAL SAFETY HANDLE

012 A1



LH/RH

RoHS

- Internal safety handle is optional accessory
- Can only be used when external handle is at unlocking position

APPLICATIONS

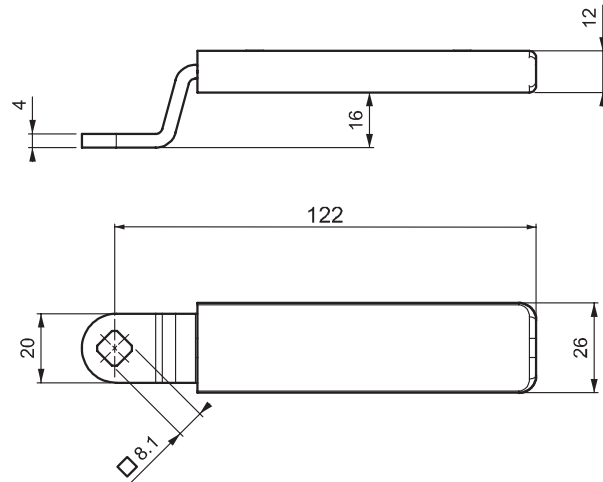
Heating and ventilation panel

MATERIAL

Steel

FINISH

Polyamide overmould



INTERNAL SAFETY HANDLE

012 A2

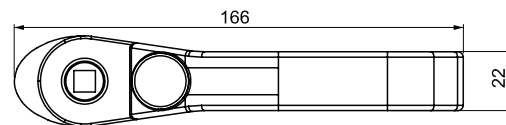
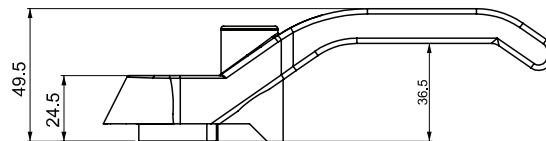


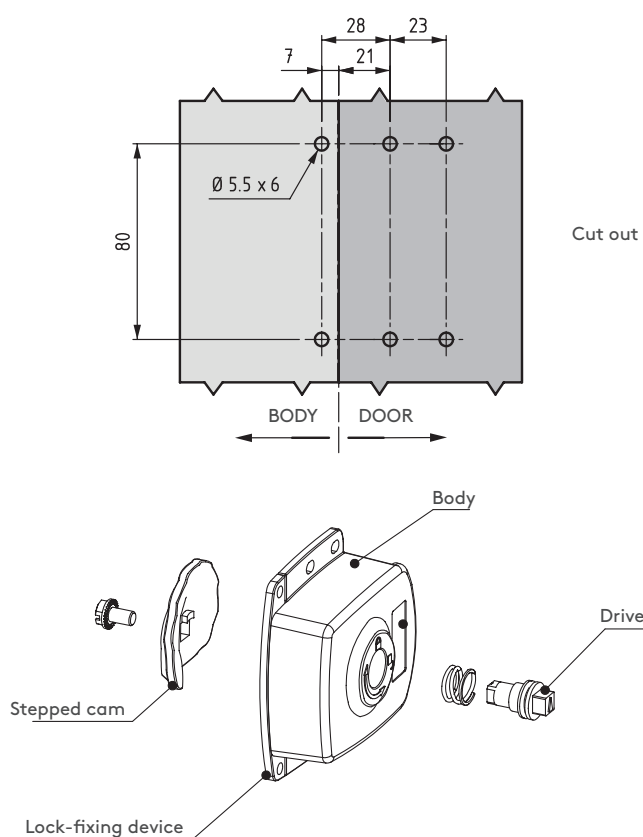
LH/RH

RoHS

MATERIAL

Polyamide DIN-EN ISO 1043-1 PA6 GFR 30





Hvac Lock



- MATERIAL**
- BODY:** Zamak DIN-EN
1774-ZnAl4Cu1
- DRIVER:** Zamak DIN-EN
1774-ZnAl4Cu1

LOCK-FIXING DEVICE



612 - 12 - 1F - DD

GROUP CODE

BODY

DRIVER

DRIVER

FINISH

MATERIAL

FINISH

MATERIAL

DRIVER

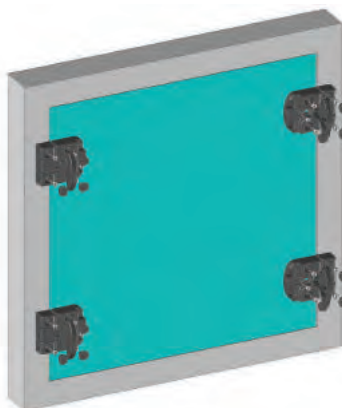
MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

 For drivers please check page: 166

FUNCTIONAL LOCKING HINGE

712

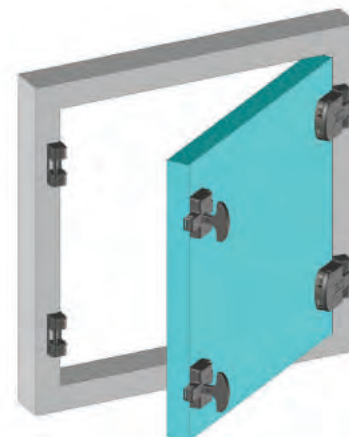


Assembly:

Functional locking hinge can be mounted left or right side of the door.

One side function as a hinge the other function as a lock

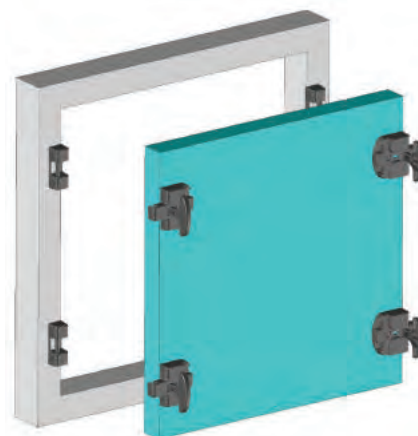
Right cover application:
right hinge - left lock



Left cover application:
left hinge - right lock

Removing the door

- Lift the handle
- Remove the door.



712

FUNCTIONAL LOCKING HINGE



LH/RH

RoHS



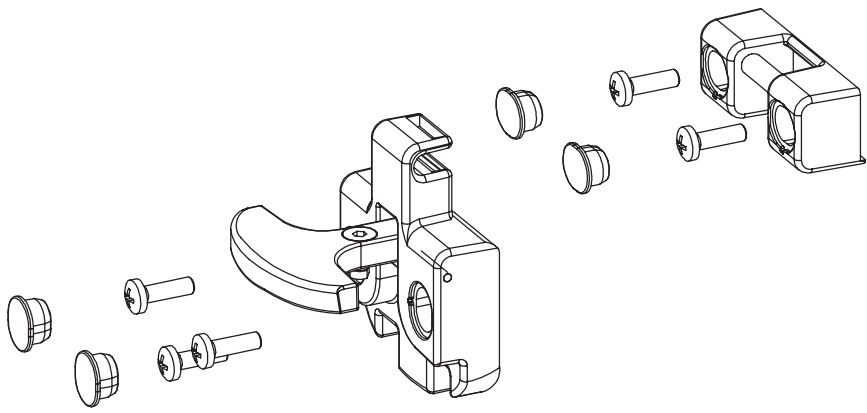
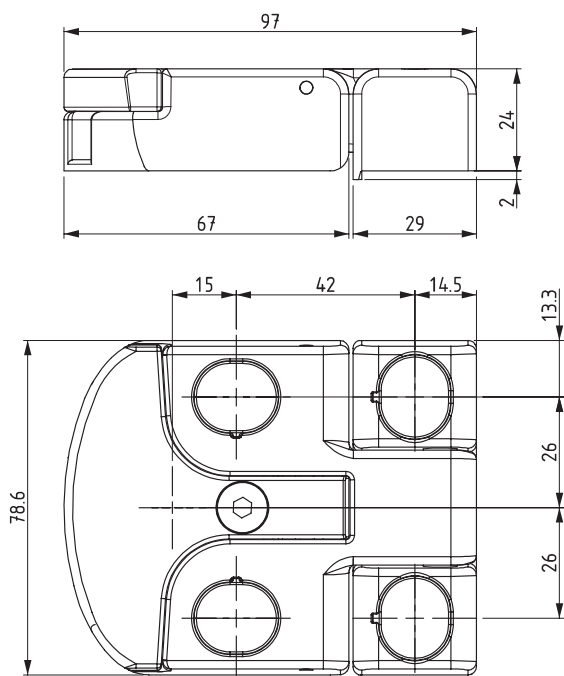
- Lock can also be used as hinge
- Door can be completely removed by unlocking the both products

APPLICATION

Heating and ventilation panel

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Zamak DIN-EN 1774-ZnAl4Cu1
CATCH PLATE: Zamak DIN-EN 1774-ZnAl4Cu1



PRODUCT CODE

712 - **2** - **0**
GROUP CODE MATERIAL FINISH

MISCELLANEOUS PRODUCTS

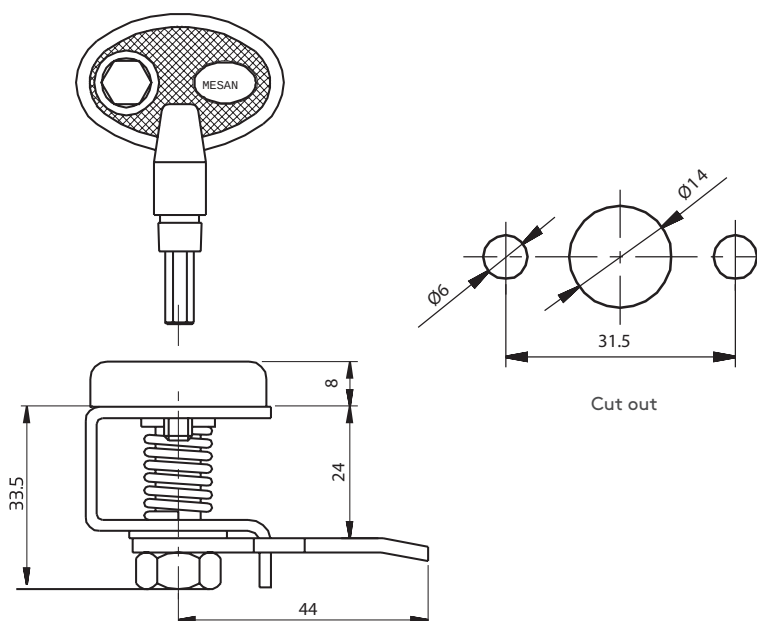
PANEL LOCK WITH HEXAGONAL HEAD

075



LH/RH

RoHS



APPLICATIONS

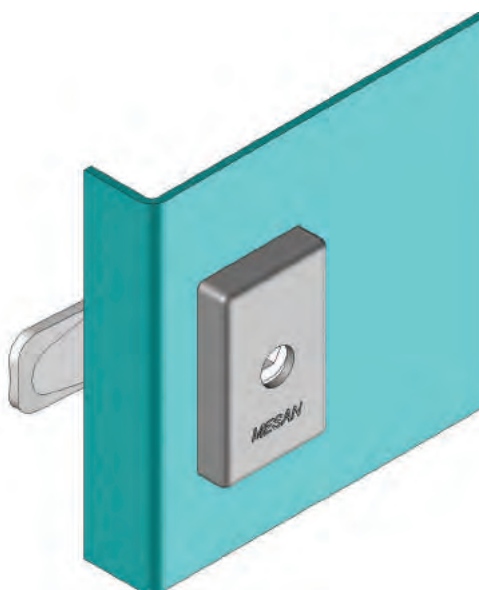
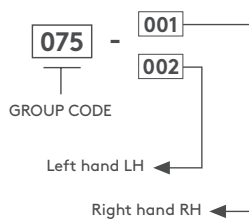
Electric panels, machinery covers

MATERIAL

BODY: Steel
CAM: Steel
COVER: Plastic

ALLEN KEY

169-66

**PRODUCT CODE**

462

BRIDGE CLAMP SYSTEM

LH/RH

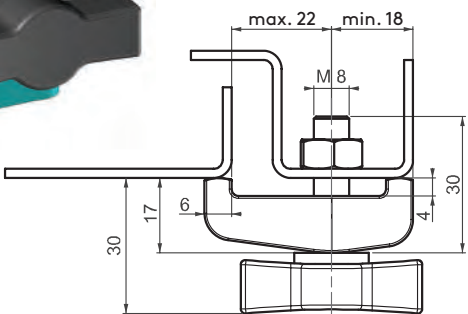
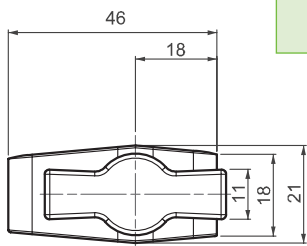
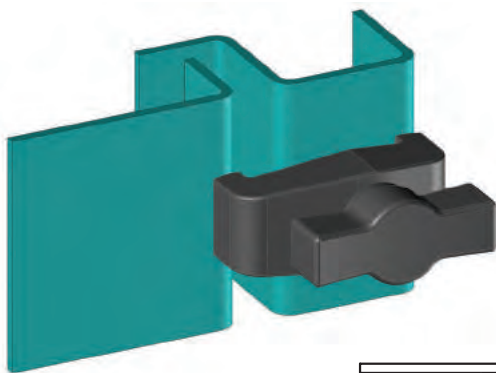
RoHS



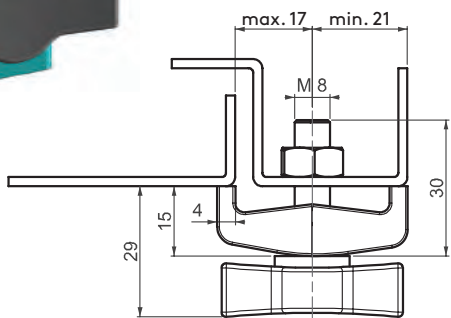
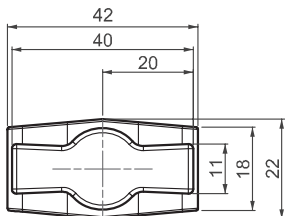
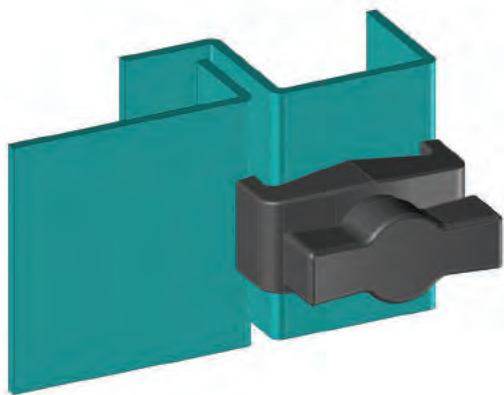
APPLICATIONS
Heating and ventilation panels

MATERIAL
HOUSING: PA6 GFR 30
KNOB: PA6 GFR 30
SCREW: Steel

V :1



V :2



PRODUCT CODE

462 - V

GROUP CODE VERSION

CLAMPS (3D)

078



LH/RH

RoHS

- Available in all die-cast zinc alloy
- 3D capability
- High mechanical resistance

APPLICATIONS
HVAC

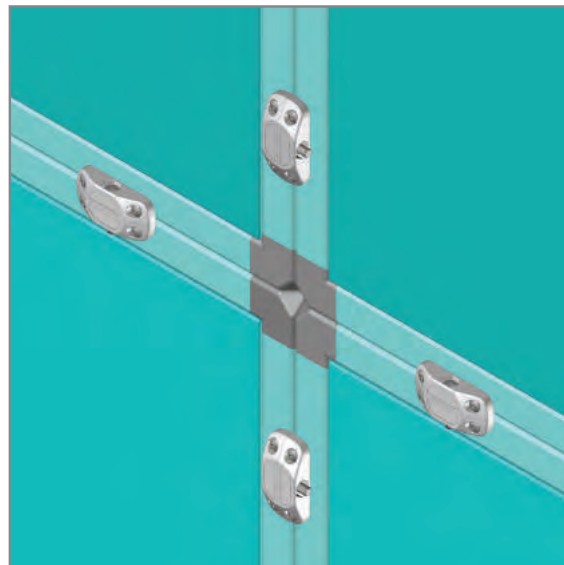
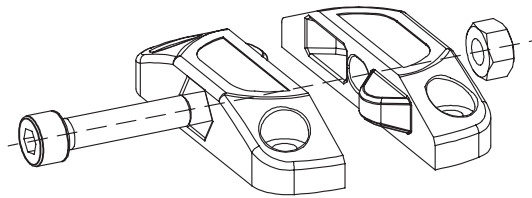
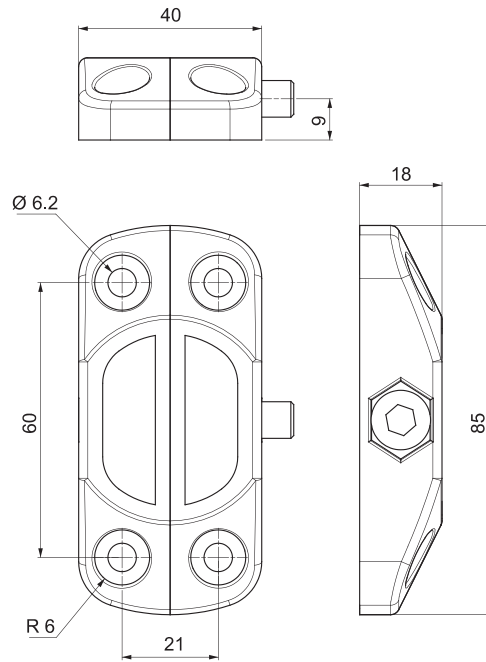
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
BOLT: Steel
NUT: Steel

FINISH

Zinc Plated or black coated

⚠ Note: Bolts are not supplied



PRODUCT CODE

078	-	1	-	F
GROUP CODE		MATERIAL		FINISH

MATERIAL	F	FINISH	F
Zamak	1	No Finish	0
		Zinc plated	3
		Black coated	2

3501

EMERGENCY STOP BUTTON

New

IP 65



- Easy to install
- Different contact options (max. 3 contact)
- Standard wire length is 2.5 m
Standard conduit length is 2 m

APPLICATIONS

Generators

MATERIAL

BOWL: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30

PROTECTIVE COVER: PVC

GASKET: EPDM

SPIRAL CONDUIT: PA6

CABLE GLAND: PA66

BUTTON SPECIFICATIONS

Mechanical Life : 500.000 operations min.

Electrical Life : 100.000 operations min.

Operating Temperature : min./max. °C -5/+40

Protection Degree : IP65

Operating Frequency : Without load 3000

oper./hour - At full load 1200 oper./hour

Rated Operating Voltage U_e : 230 V AC

Rated Operating Current I_e : 4 A

Insulation Voltage U_i : 300 V

Stroke Resistance Voltage U_{imp} : 2.5 kV

Standard Contact Material : AgNi

Insulation Resistance : 10 MΩ min.

(500 V DC)

Dielectrical Strength :

Between body-contact: 2000 V AC

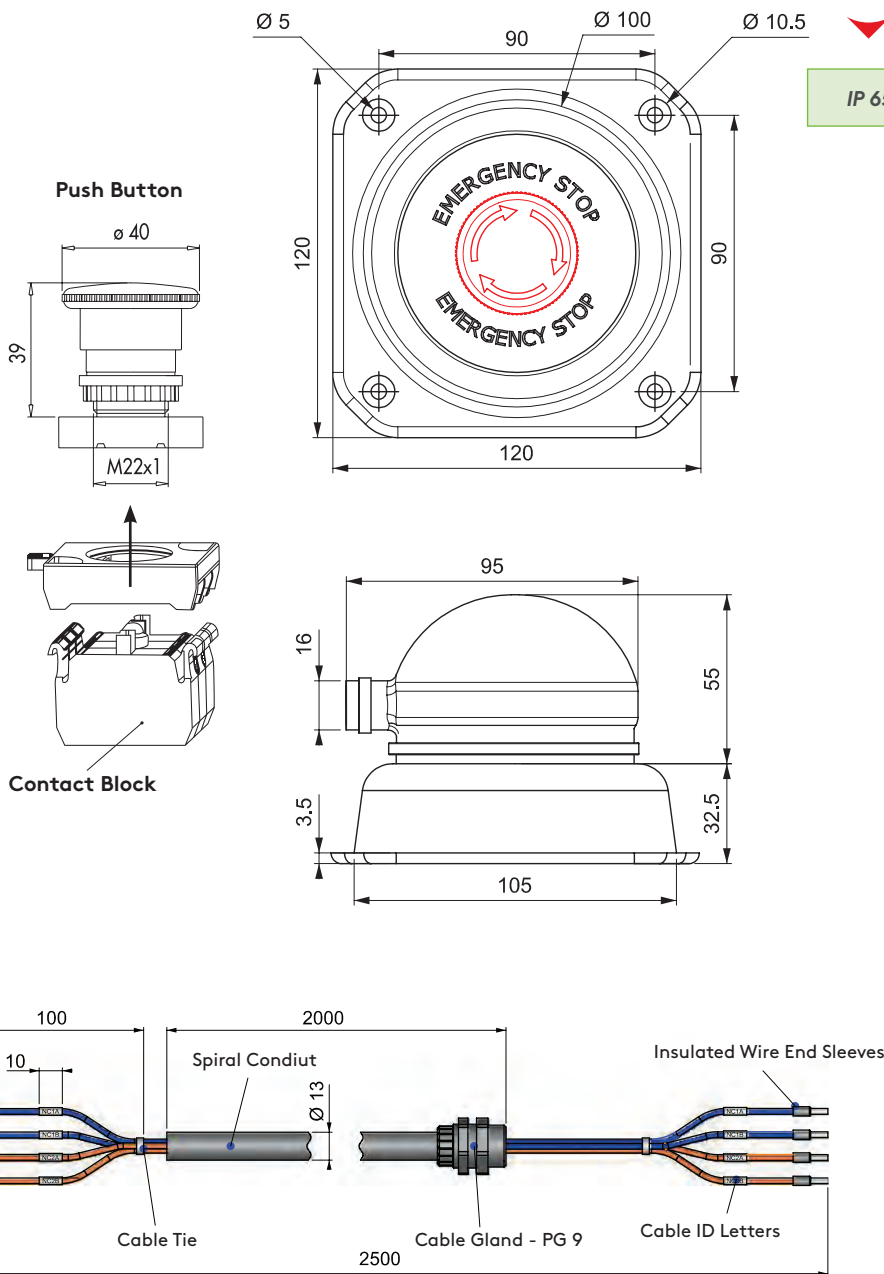
Open contact : 1500 V AC

Connection Cable Cross-Section :

1.5-2.5 mm²

Standard : UL 508/TS EN 60947-5-1/

VDE0660/IEC 60393-1



Contact Block Type		Product Code
Normally Open	Normally Closed	
		3501.V
-	1	3501.1
-	2	3501.2
1	1	3501.3
1	-	3501.4
2	-	3501.5

COMPRESSION LOCK

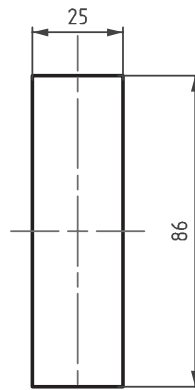
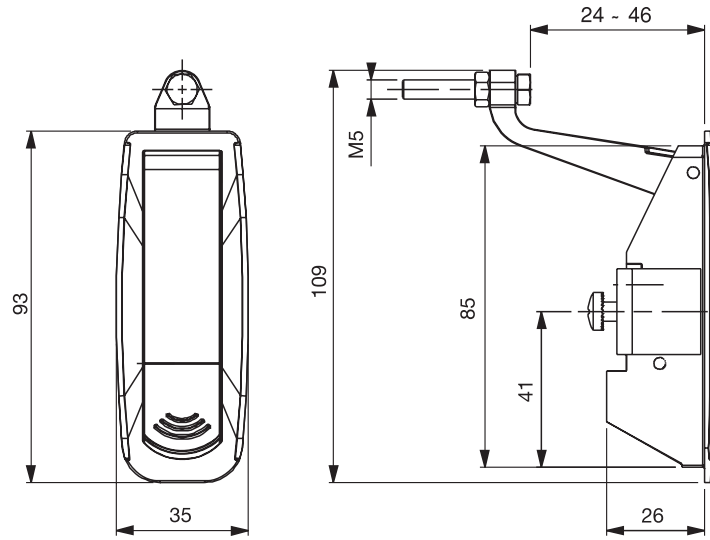
077



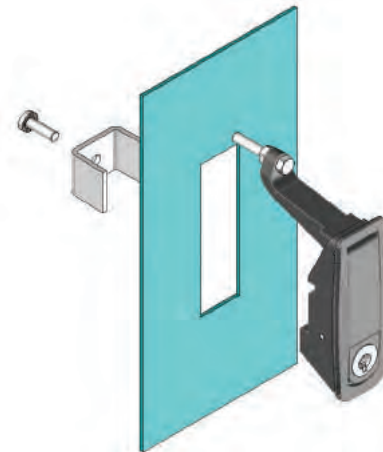
LH/RH

RoHS

V :1



Cut out



- Available with or without cylinder
- 24mm – 46 mm grip adjustment
- Suitable for maximum 2 mm door thickness
- Assemble lock with one fixing bracket

APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

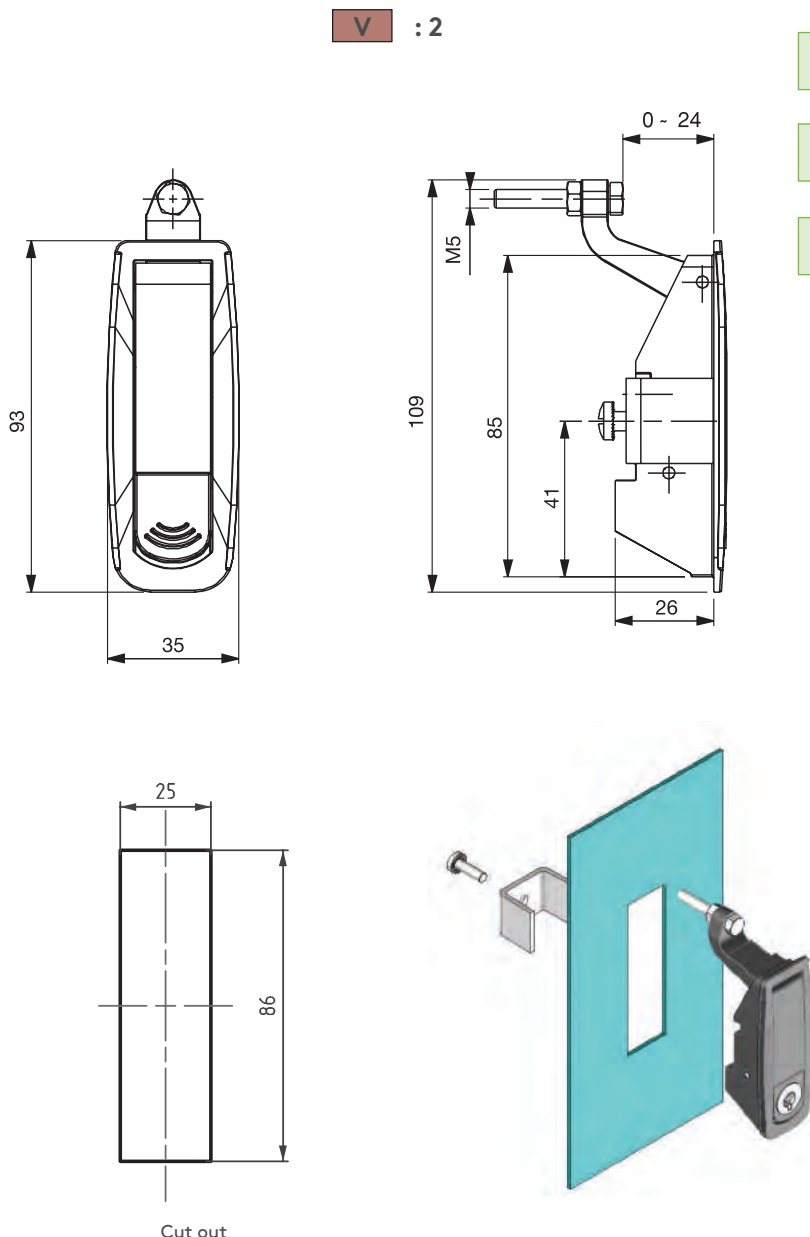
FIXING BRACKET: Steel

PRODUCT CODE

077 - **1** - **F** - **DD**
GROUP CODE VERSION FINISH CYLINDER

FINISH	F
Chrome	1
Black coated	2

SPECIFICATIONS	DD
No cylinder	00
Keyed alike	01
Keyed differ	02
Euro Key	03
CH751 (Stainless steel dust cap)	07



077

COMPRESSION LOCK



LH/RH

RoHS



- Available with or without cylinder
- 0 mm – 24 mm grip adjustment
- Suitable for maximum 2 mm door thickness
- Assemble lock with one fixing bracket

APPLICATIONS
Generators, compressors, electric panels, machinery covers

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
FIXING BRACKET: Steel

PRODUCT CODE

077 - **2** - **F** - **DD**
GROUP CODE VERSION FINISH CYLINDER

FINISH	F
Chrome	1
Black coated	2

SPECIFICATIONS	DD
No cylinder	00
Keyed alike	01
Keyed differ	02
Euro Key	03
CH751 (Stainless steel dust cap)	07

COMPRESSION LOCK

177



Driver System



No Cylinder



- Available with or without cylinder
- 24mm – 46 mm grip adjustment
- Suitable for maximum 2 mm door thickness
- Assemble lock with one fixing bracket

APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

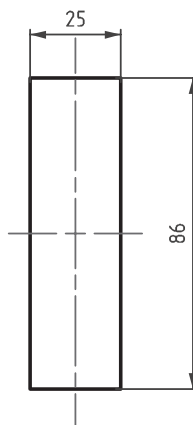
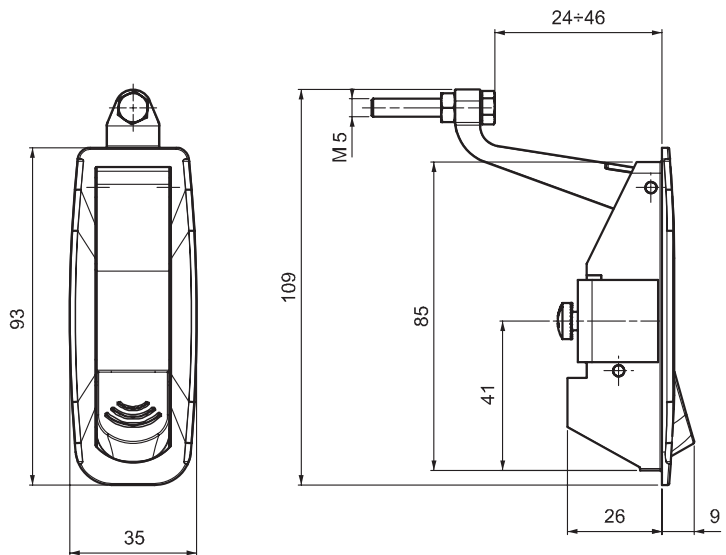
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
FIXING BRACKET: Steel



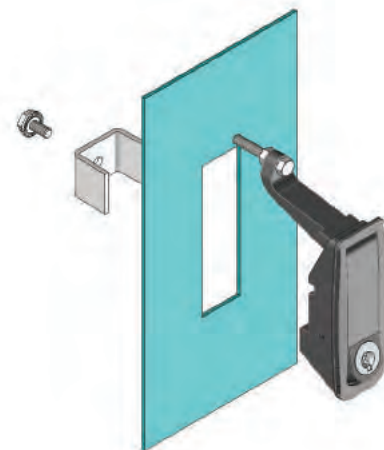
LH/RH

RoHS

V :1



Cut out



PRODUCT CODE

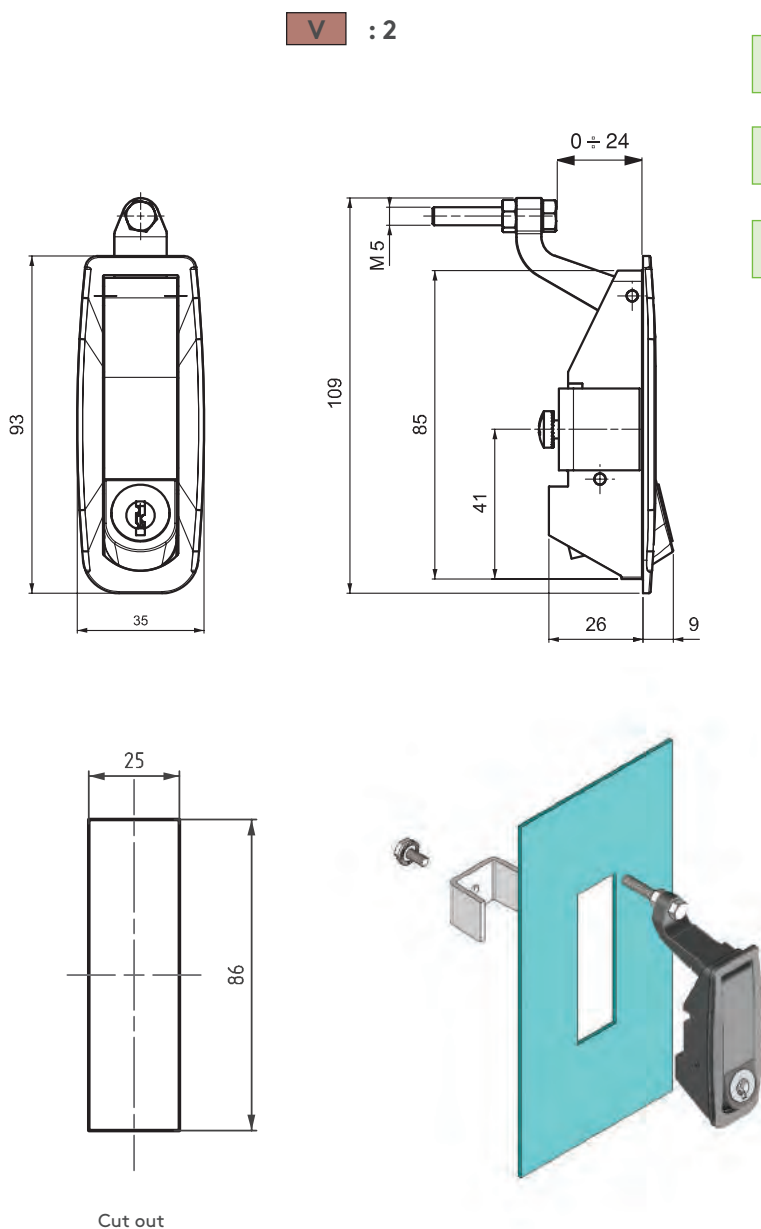
177 - **1** - **F** - **DD**
GROUP CODE VERSION FINISH CYLINDER DRIVER

FINISH	F
Chrome	1
Black coated	2

SPECIFICATIONS	DD
No cylinder	00
Keyed alike	01
Keyed differ	02
Euro Key	03
CH751 (Stainless steel dust cap)	07

DRIVER
Slot
DD
42





177

COMPRESSION LOCK



LH/RH

RoHS



Driver System



No Cylinder



- Available with or without cylinder
- 0 mm – 24 mm grip adjustment
- Suitable for maximum 2 mm door thickness
- Assemble lock with one fixing bracket

PRODUCT CODE

177 - **2** - **F** - **DD**
GROUP CODE VERSION FINISH CYLINDER DRIVER

FINISH	F
Chrome	1
Black coated	2

SPECIFICATIONS	DD
No cylinder	00
Keyed alike	01
Keyed differ	02
Euro Key	03
CH751 (Stainless steel dust cap)	07

DRIVER
Slot
DD
42

APPLICATIONS

Generators, compressors, electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
FIXING BRACKET: Steel

LIFT-AND-TURN LOCK

170

ALL IN METAL



LH/RH

RoHS

- For cabinets that require better sealing under vibrating conditions
- Provides 5 mm of compression
- Provides noise isolation
- Three cam alternatives available

APPLICATIONS

Electric panels, machinery covers, railway applications, construction equipment

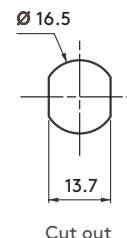
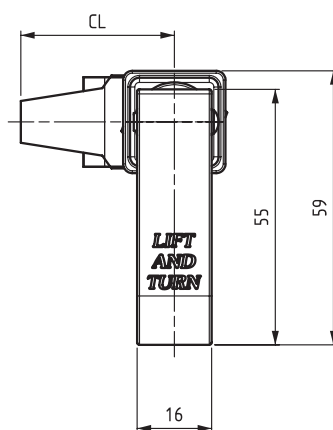
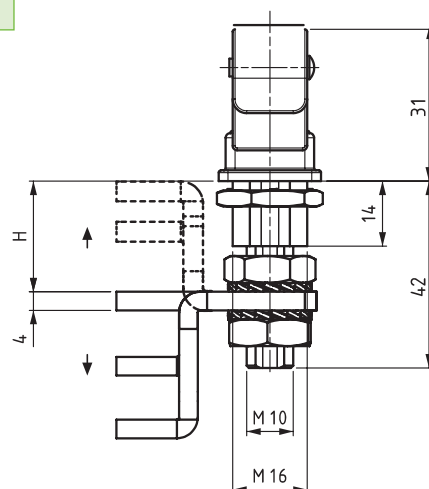
MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

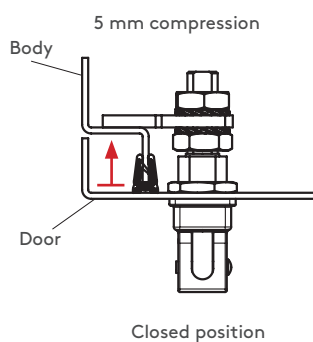
FINISH

Chrome plated or black coated

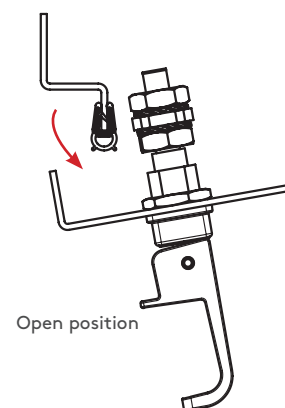
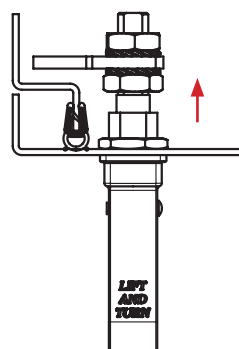
V : 1



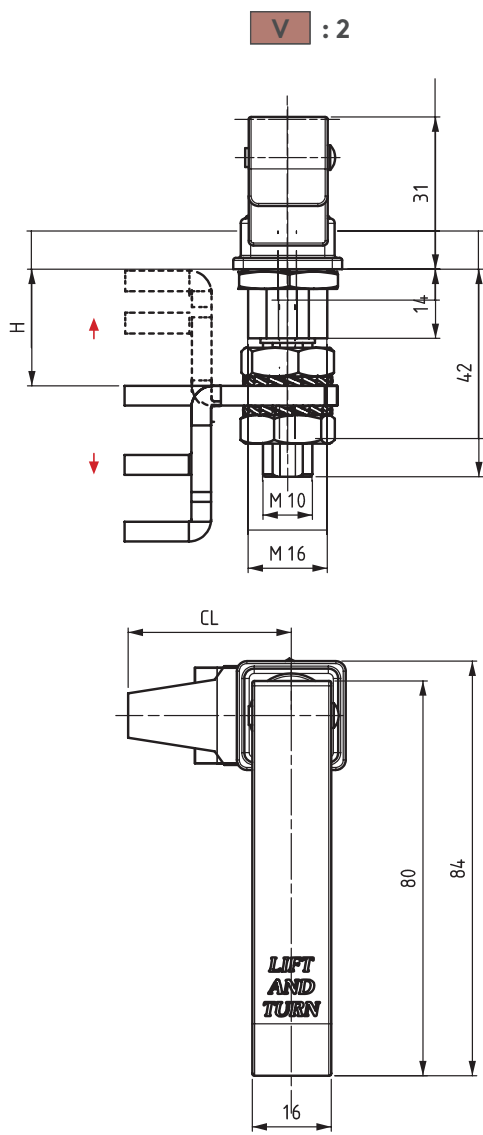
Cut out



Closed position



Open position



170

LIFT-AND-TURN LOCK

ALL IN METAL



LH/RH

RoHS



- For cabinets that require better sealing under vibrating conditions
- Lock provides 5 mm of compression
- Provides noise isolation
- Three cam alternatives available

APPLICATIONS

Electric panels, machinery covers, railway applications, construction equipment

MATERIAL

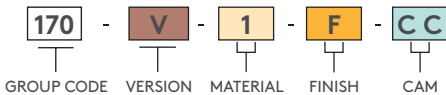
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM : Steel

FINISH

Chrome plated or black coated

CAM	CC	CH	CL	H GRIP	
				MIN CAM ↑	MAX CAM ↓
1	01	0	33	22.5	30
2	02	14	33	8.5	44
3	03	27.5	33	0	57.5

PRODUCT CODE



FINISH	F
Chrome	1
Black coated	2

LIFT-AND-TURN LOCK

070



LH/RH

RoHS

- Suitable for steel and polyester panels
- Provides 5 mm of compression

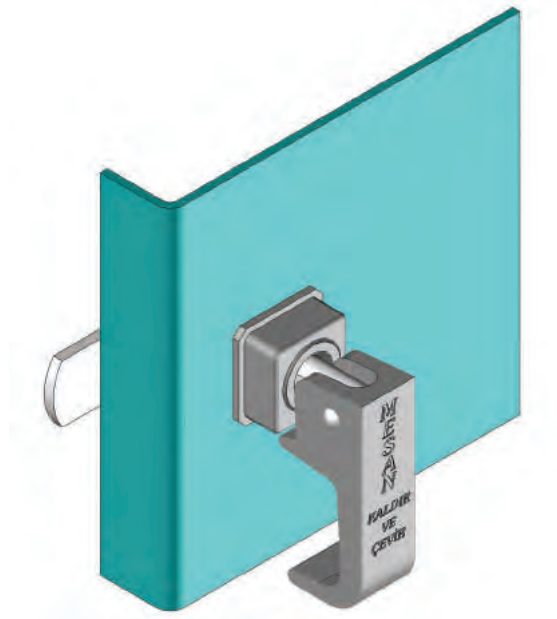
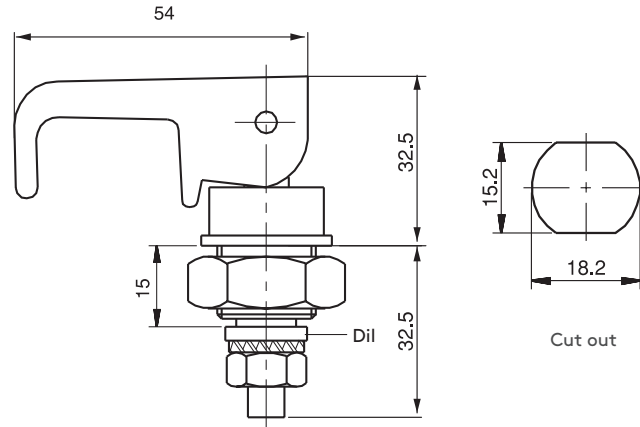
APPLICATIONS

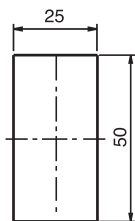
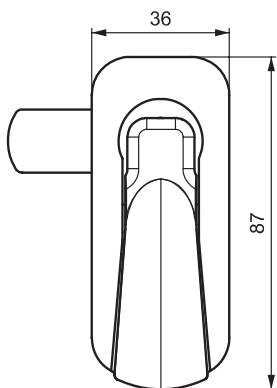
Electric panels, machinery covers

MATERIAL

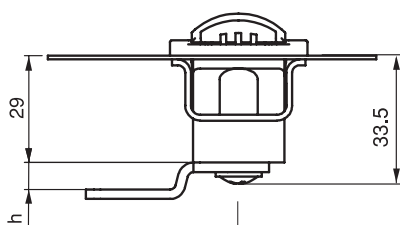
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

CAM: Steel

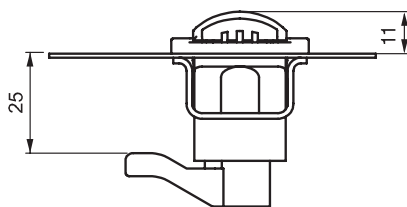




Cut out



Steel cam



Plastic cam
CC: 80

V :1



V :2

Clip-in fixing



DT	
Min	Max
0.8mm	2mm

DT (DOOR THICKNESS)

072

FUNCTIONAL LOCK

IP 54

LH

RH

RoHS



- Suitable for steel and polyester panels
- Standard cut out for both versions
- Clip fixing version suitable for panels with thickness of between 0.8 mm and 2 mm

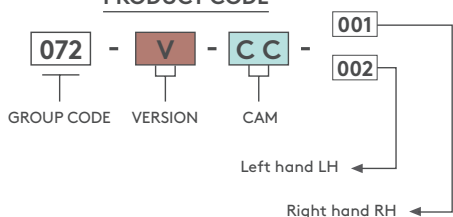
APPLICATIONS

Electric panels, machinery covers

MATERIAL

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

PRODUCT CODE



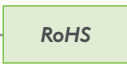
For cams please check page: 149

SWELL LOCK

270



LH/RH



RoHS



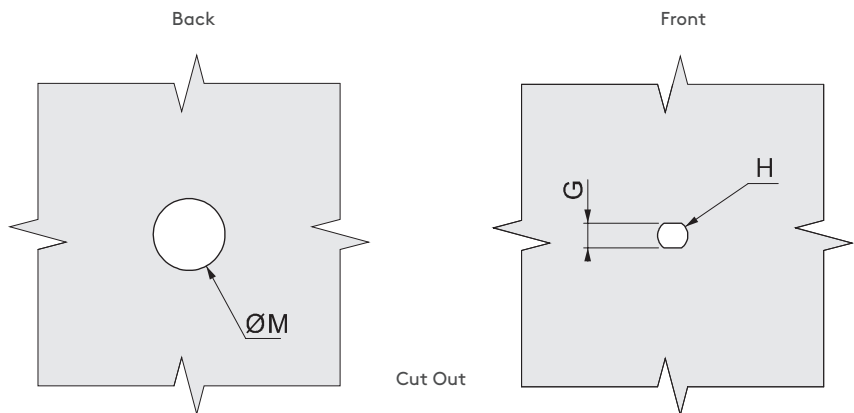
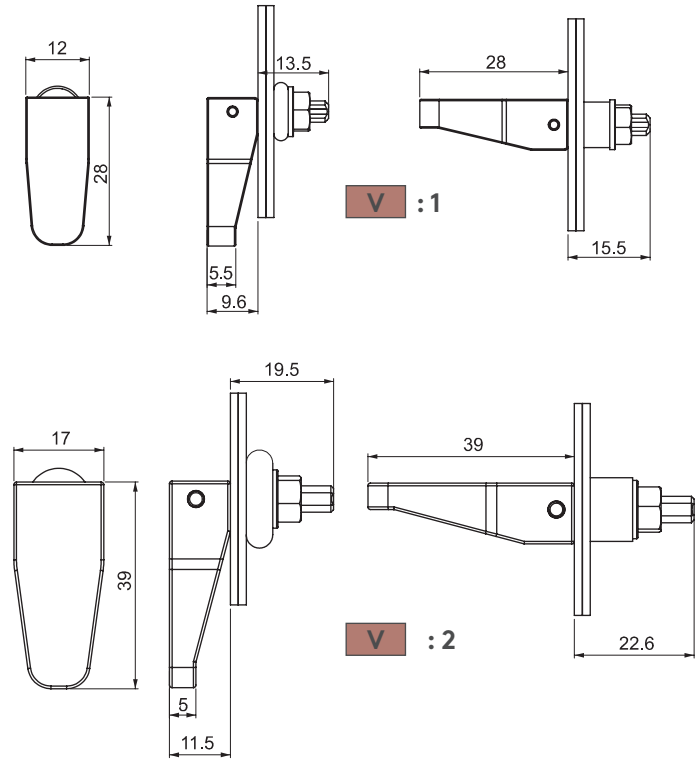
- Used for the cabinets that require better under vibration conditions.
- It is suitable with special cut out for different frame thickness.

APPLICATIONS

Electric panels, machinery covers, railway applications, construction equipment

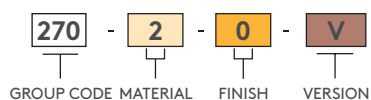
MATERIAL

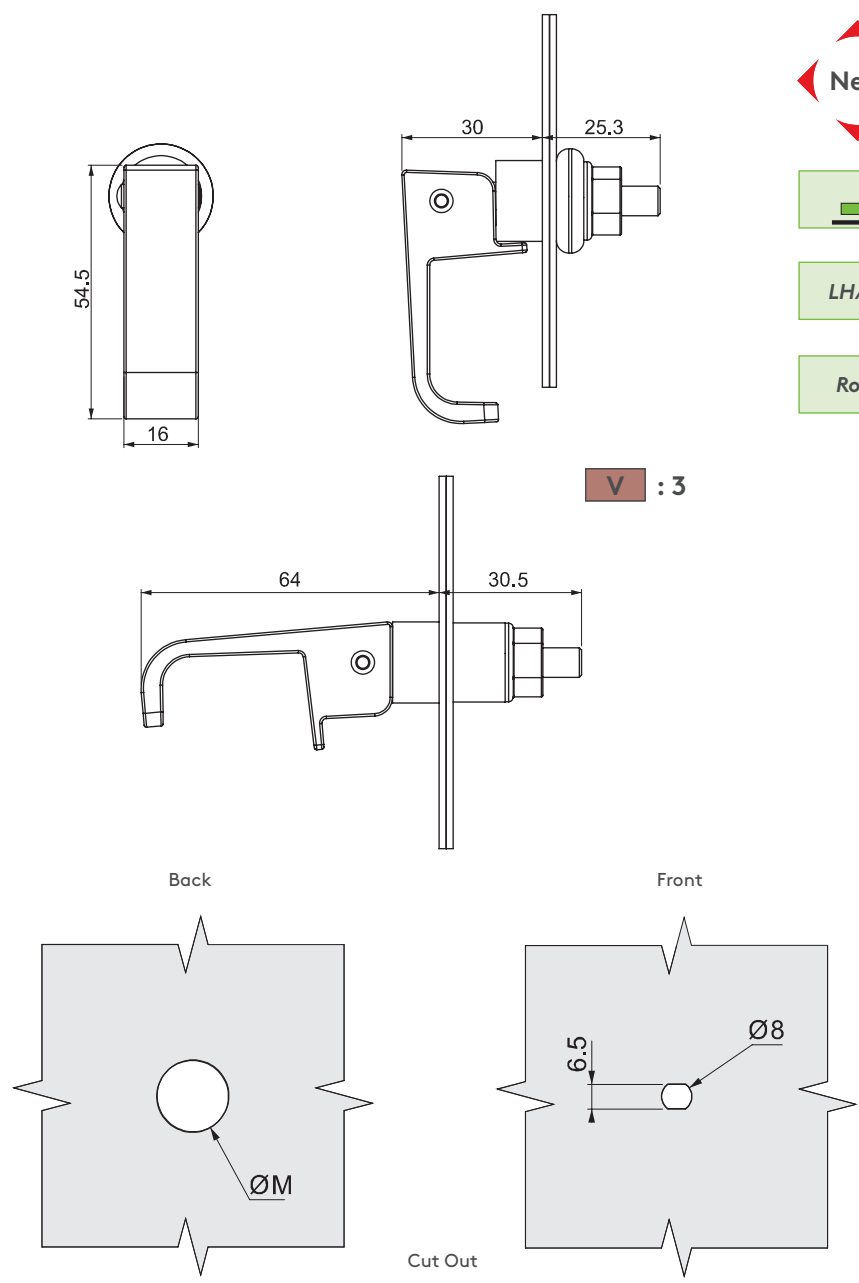
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
WASHER: PA66
NUT : PA66
BUSHING : SBR Rubber



VERSION	G +0.1 -0.0	H +0.1 -0.0	FRAME THICKNESS	CUT OUT ØM
1	3.3	4.1	3.2	9.5
2	4.5	5.8	Up to 3.2	13.5
			3.2 - 4.8	14

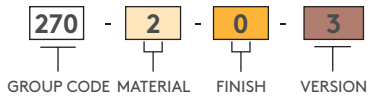
PRODUCT CODE





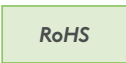
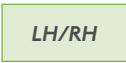
FRAME THICKNESS	CUT OUT ØM
1.2-3.2	19
3.2-4.8	19.5
4.8-6.4	20
6.4 and up	20.5

PRODUCT CODE



270

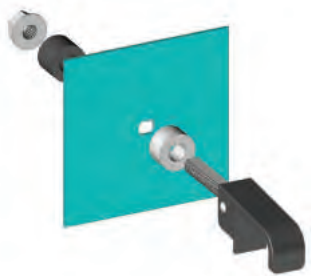
SWELL LOCK



- Used for the cabinets that require better under vibration conditions.
- It is suitable with special cut out for different frame thickness.

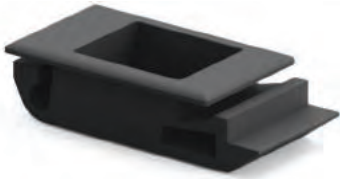
APPLICATIONS
Electric panels, machinery covers, railway applications, construction equipment

MATERIAL
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
WASHER: PA66
NUT : PA66
BUSHING : SBR Rubber



SLIDING LOCK

071



LH/RH

- Easy fixing
- Long-lasting stainless steel spring
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

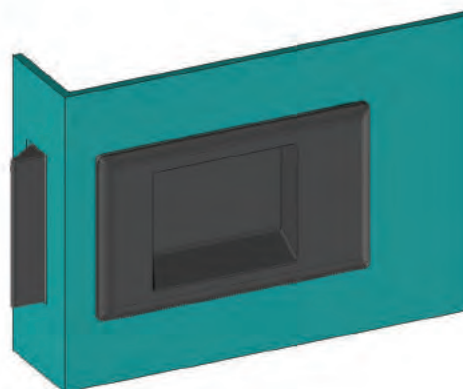
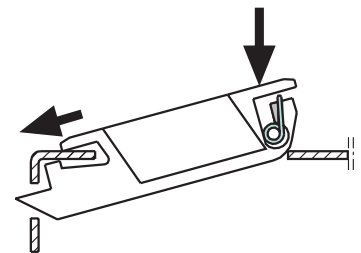
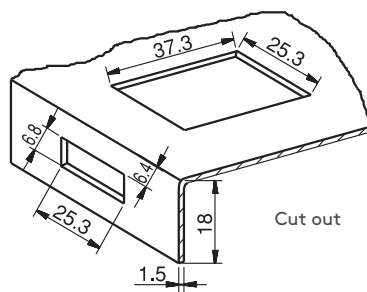
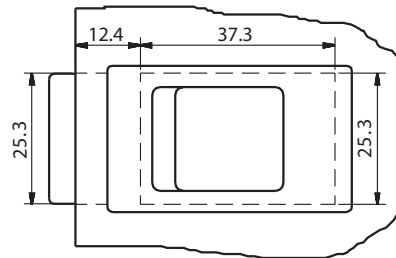
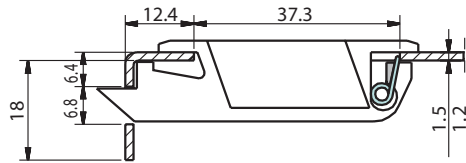
APPLICATIONS

Small metal machinery covers

MATERIAL

BODY: ABS

SPRING: Stainless Steel



SPECIFICATIONS	PRODUCT CODE
0.8 -1.2 mm thickness panel	071.12
1.2 -1.5 mm thickness panel	071.15

371

SLIDING LOCK



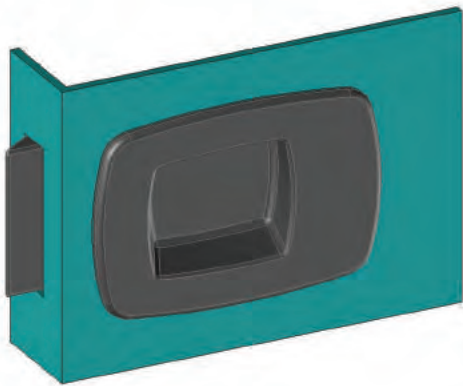
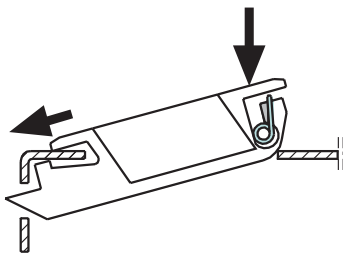
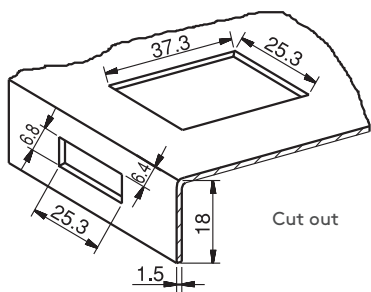
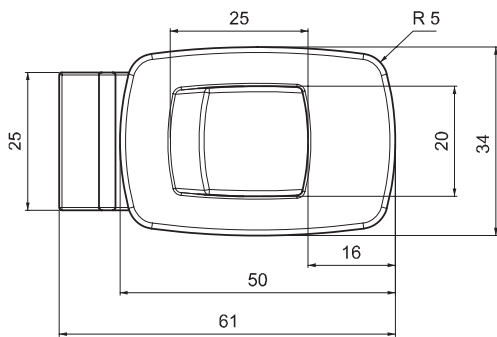
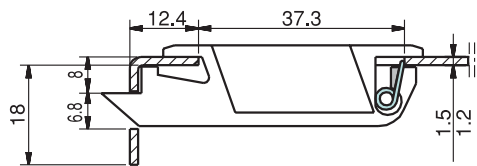
LH/RH



- Stylish design
- Easy fixing
- Long-lasting spring
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm
- Suitable for small doors
- For different colour choices please contact Essentra Components

APPLICATIONS
Small metal machinery covers

MATERIAL
BODY: ABS
SPRING: Stainless Steel



SPECIFICATIONS	PRODUCT CODE
0.8 -1.2 mm thickness panel	371.12
1.2 -1.5 mm thickness panel	371.15

SLIDING LOCK

571



LH/RH

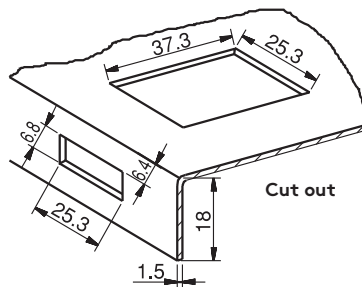
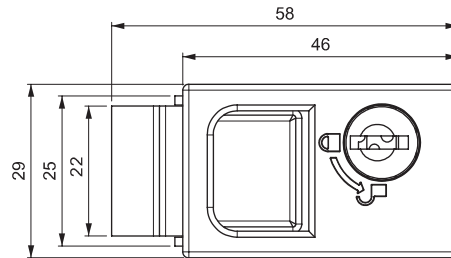
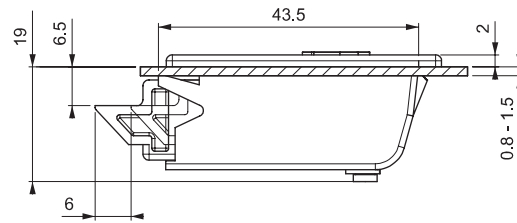
- Cylinder Locking System
- Two pieces design eliminates the paint problems on doors.
- Suitable for small size doors
- Easy assembly is possible with clips on the body
- Suitable for panel thicknesses of 0.8 - 1.5 mm

APPLICATIONS

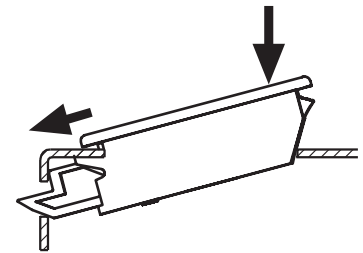
Small metal covers

MATERIAL

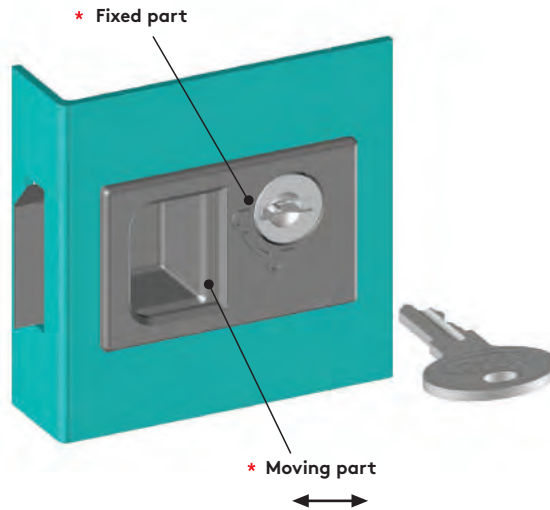
BODY: PA6 GFR 30
SPRING: Stainless steel
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1



Cut out



Follow the arrows instruction for assembly
Open or close supplied by internal movable parts



PRODUCT CODE

571 - DD
GROUP CODE CYLINDER

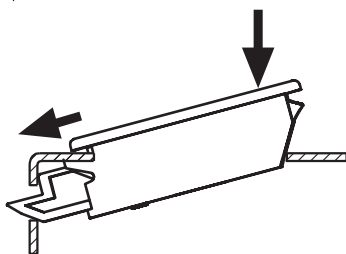
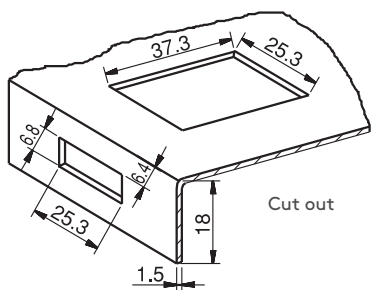
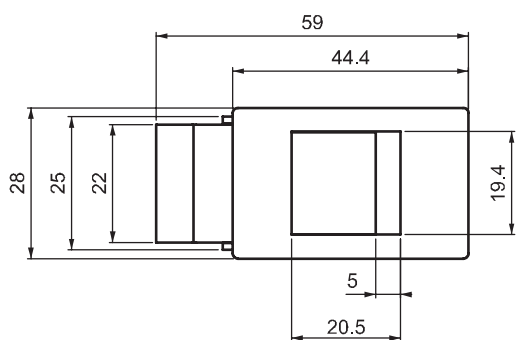
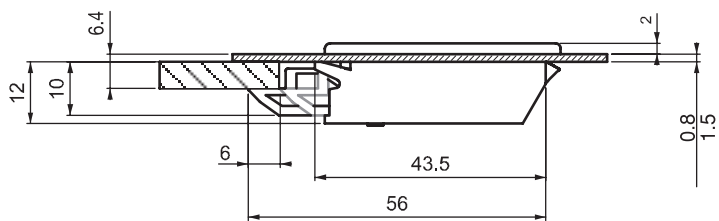
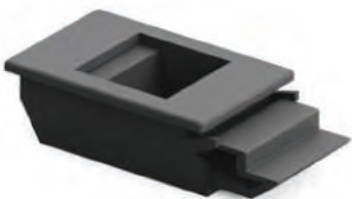
CYLINDER		DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32

271

SLIDING LOCK



LH/RH



Follow the arrows for assembly instructions;
open or close with internal movable parts

- Two-piece design eliminates paint problems on doors
- Suitable for small doors
- Easy assembly with clips on body
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

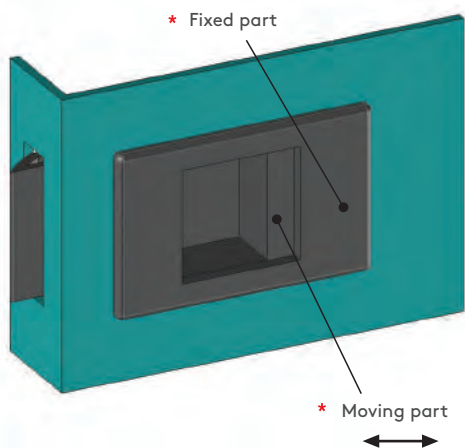
APPLICATIONS

Small metal machinery covers

MATERIAL

BODY: PA6 GFR 30

SPRING: Stainless Steel





MISCELLANEOUS PRODUCTS

MINI SLIDING LOCK

471



LH/RH

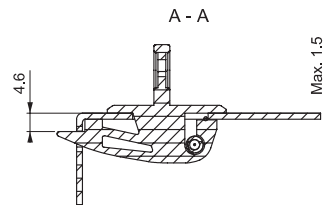
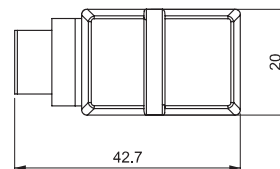
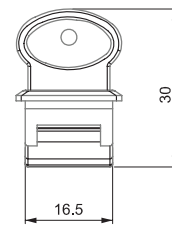
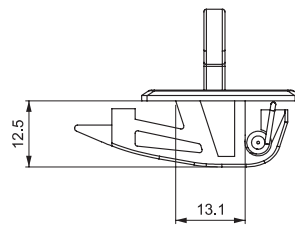
- Suitable for small doors inside panels
- Suitable for panel thicknesses of 0.8 mm to 1.5 mm.

APPLICATIONS

Small metal covers

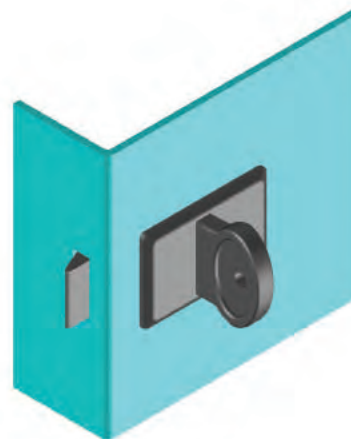
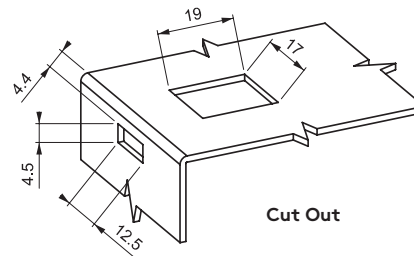
MATERIAL

BODY: ABS
SPRING: Stainless steel



DOOR THICKNESS

Min	Max
0.8 mm	1.5 mm



SPECIFICATIONS

PRODUCT CODE

0.8 -1.2 mm thickness panel

471.12

1.2 -1.5 mm thickness panel

471.15

171

MINI SLIDING LOCK



LH/RH



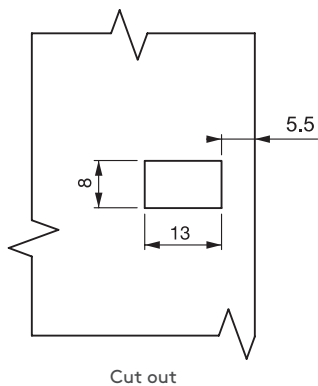
- Suitable for small doors and inside panels
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

APPLICATIONS

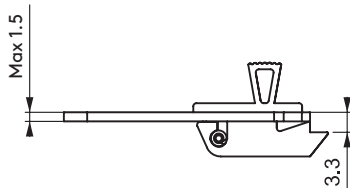
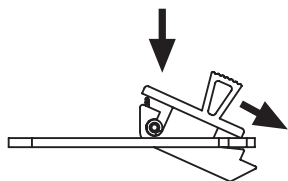
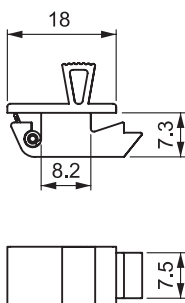
Small metal machinery covers

MATERIAL

BODY: ABS
SPRING: Stainless Steel



Cut out



DOOR THICKNESS

Min	Max
0.8mm	1.5mm





MINI LOCK

466



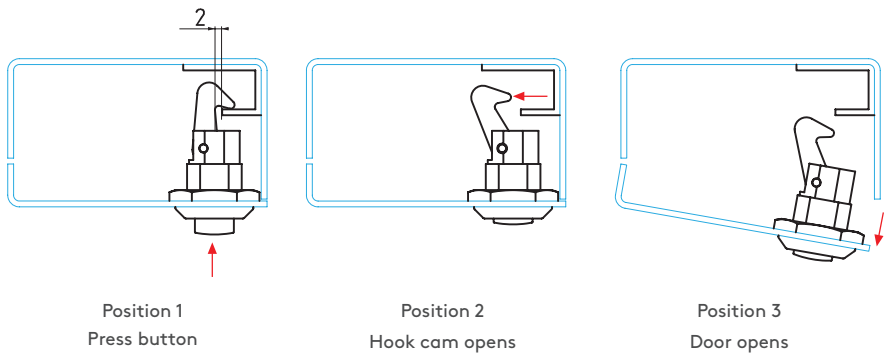
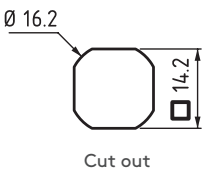
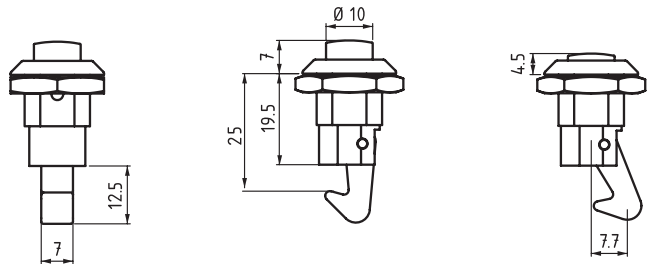
- Easily opened by pressing button
- Suitable for small doors

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
BUTTON: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Zamak DIN-EN 1774-ZnAl4Cu1



PRODUCT CODE

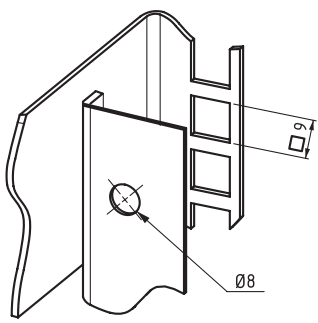
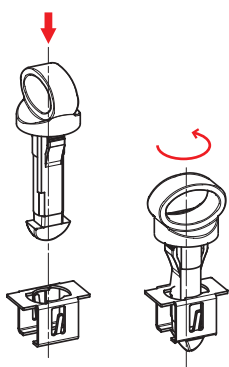
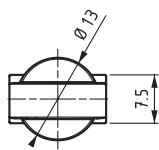
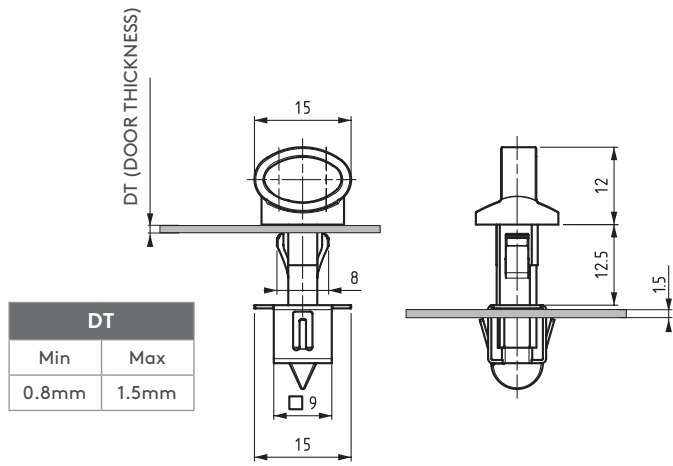
466 - 1 - F
GROUP CODE MATERIAL FINISH

MATERIAL	F	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

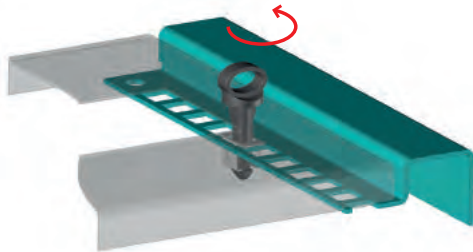
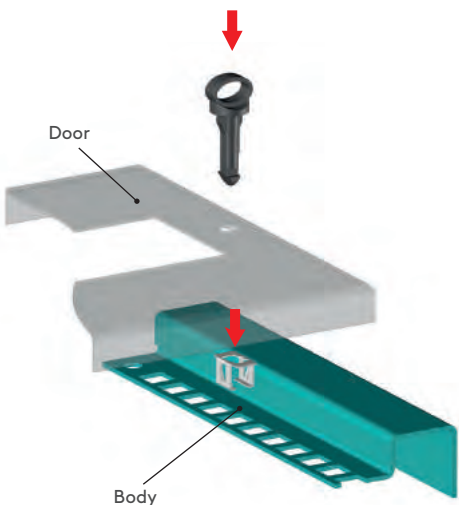
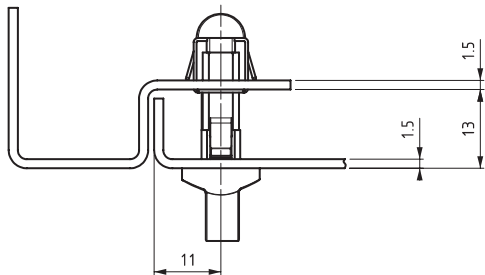
183

QUARTER-TURN LOCK

RoHS



Cut out



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

APPLICATIONS

Electric panels

MATERIAL

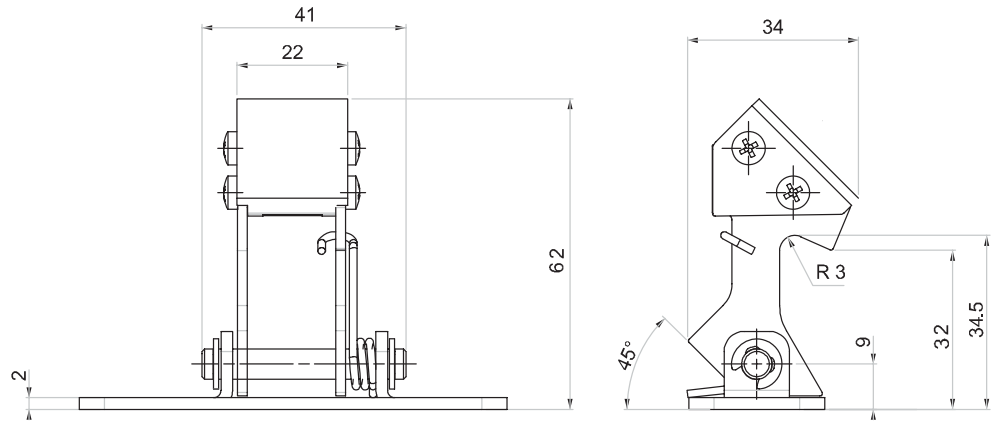
HANDLE: ABS
FRAME PART: Steel



MISCELLANEOUS PRODUCTS

HOOKED LOCK

176



- Used for locking back doors of generators without external lock
- Can open from inside by moving cam

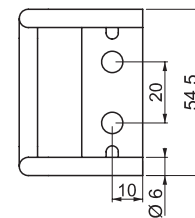
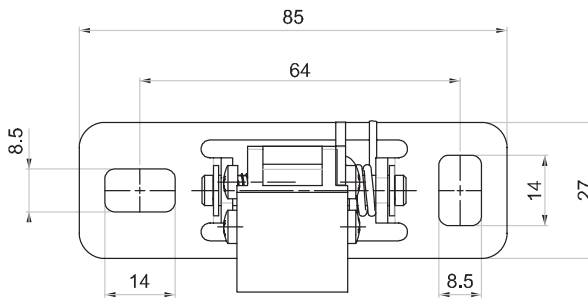
APPLICATIONS

Generators, canopies

MATERIAL

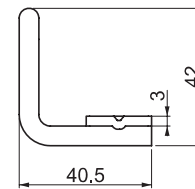
Steel or stainless steel

⚠ Note: Special square-base screws are included



CAM STRIKING PLATE

016 A71



- Striking plate.
- Custom sizes available

PRODUCT CODE

176 - M - F
GROUP CODE MATERIAL FINISH

MATERIAL	F	FINISH	F
Steel	6	Chrome	1
Stainless steel	4	No finish	0

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.



LOCKS



CAMS, KEYS, RODS & ROD GUIDES

GROUP CODE	PRODUCT NAME	
	CAMS WITH STOPPER	
	CAMS WITHOUT STOPPER	
	STAINLESS STEEL CAMS	
	ADDITIONAL CAMS	
	ROUND ROD ACCESSORIES	
	FLAT ROD ACCESSORIES	
	ROD CORNER CONTROL	
	ROUND RODS	
	FLAT RODS	
	ACTUATOR PLATES	
	KEYS	



ESSENTRA

PAGE

144 - 145

146 - 147

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149

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153 - 155

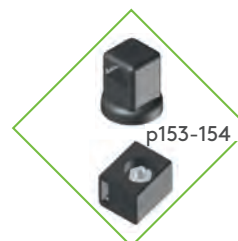
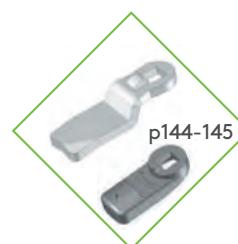
155

150, 156 - 157

151,- 158, 160 - 161

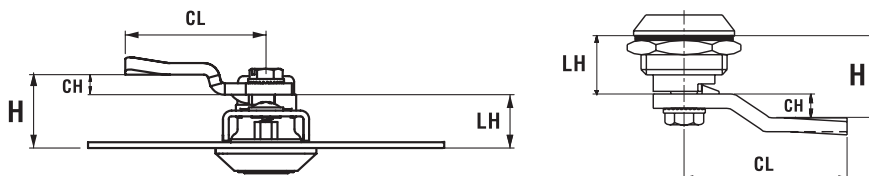
159

162 - 163



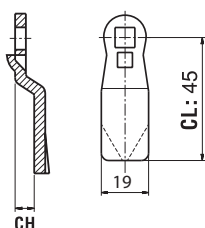
CAMS WITH STOPPERS

H: Grip
LH: Height of housing
CL: Cam length
CH: Cam height



MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

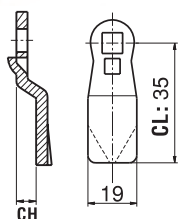
Cam 1



STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:32 H	LH:35 H	LH:40 H	LH:50 H	LH:60 H
30403033	30	0	45	18	18.5	20	30	32	35	40	50	60
30403439	17	1	45	19	19.5	21	31	33	36	41	51	61
30403159	35	2	45	20	20.5	22	32	34	37	42	52	62
30403063	31	3	45	21	21.5	23	33	35	38	43	53	63
30403149	33	4	45	22	22.5	24	34	37	39	44	54	64
30403160	34	6	45	24	24.5	26	36	38	41	46	56	66
30403161	36	8	45	26	26.5	28	38	40	43	48	58	68
30403162	47	10	45	28	28.5	30	40	42	45	50	60	70
30403045	44	12	45	30	30.5	32	42	44	47	52	62	72
30403163	48	14	45	32	32.5	34	44	46	49	54	64	74
30403151	49	16	45	34	34.5	36	46	48	51	56	66	76
30403165	55	18	45	36	36.5	38	48	50	53	58	68	78
30403166	56	20	45	38	38.5	40	50	52	55	60	70	80
30403167	57	22	45	40	40.5	42	52	54	57	62	72	82
30403168	58	24	45	42	42.5	44	54	56	59	64	74	84
30403169	37	-2	45	16	16.5	18	28	30	33	38	48	58
30403170	38	-4	45	14	14.5	16	26	28	31	36	46	56
30403171	39	-6	45	12	12.5	14	24	26	29	34	44	54
30403172	59	-8	45	10	10.5	12	22	24	27	32	42	52
30403173	60	-10	45	8	8.5	10	20	22	25	30	40	50
30403174	61	-12	45	6	6.5	8	18	20	23	28	38	48
30403175	62	-14	45	4	4.5	6	16	18	21	26	36	46

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

Cam 2

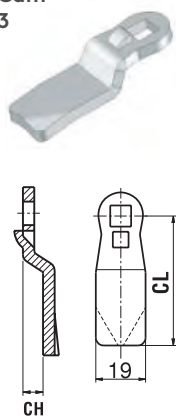


STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:32 H	LH:35 H	LH:40 H	LH:50 H	LH:60 H
30403187	11	-2	35	16	16.5	18	28	30	33	38	48	58
30403185	12	0	35	18	18.5	20	30	32	35	40	50	60
30403186	13	2	35	20	20.5	22	32	34	37	42	52	62
30403188	14	4	35	22	22.5	24	34	36	39	44	54	64
30403470	15	6	35	24	24.5	26	36	38	41	46	56	66
30403471	16	7	35	25	25.5	27	37	39	42	47	57	67
30403189	23	10	35	28	28.5	30	40	42	45	50	60	70
30403046	52	26	35	44	44.5	46	56	58	61	66	76	86

CAMS WITH STOPPERS

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

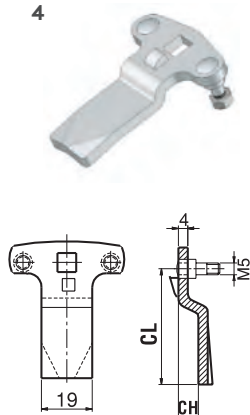
Cam
3



STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:32 H	LH:35 H	LH:40 H	LH:50 H	LH:60 H
30403031	10	0	29	18	18.5	20	30	32	35	40	50	60
30403032	20	0	38	18	18.5	20	30	32	35	40	50	60
30403036	70	0	66	18	18.5	20	30	32	35	40	50	60
30403034	40	0	51	18	18.5	20	30	32	35	40	50	60
30403037	21	3	38	21	21.5	23	33	32	38	43	53	63
30403038	41	3	51	21	21.5	23	33	35	38	43	53	63
30403129	22	6	37	24	24.5	26	36	38	41	46	56	66
30403039	32	7	44	25	25.5	27	37	39	42	47	57	67
30403040	42	7	49	25	25.5	27	37	39	42	47	57	67
30403043	43	10	48	28	28.5	30	40	42	45	50	60	70

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

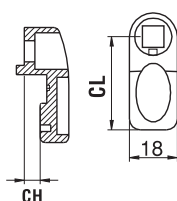
Cam
4



STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:32 H	LH:35 H	LH:40 H	LH:50 H	LH:60 H
30403140	03	0	51	18	18.5	20	30	32	35	40	50	60
30403522	06	0	45	18	18.5	20	30	32	35	40	50	60
30403047	01	7	49	25	25.5	27	37	39	42	47	57	67
30403524	07	2	45	20	20.5	22	32	34	37	42	52	62
30403526	08	3	45	21	21.5	23	33	35	38	43	53	63
30403528	09	4	45	22	22.5	24	34	36	39	44	54	64
30403530	100	5	45	23	23.5	25	35	37	40	45	55	65
30403532	101	6	45	24	24.5	26	36	38	41	46	56	66
30403534	102	7	45	25	25.5	27	37	39	42	47	57	67
30403147	02	12	46	30	30.5	32	42	44	47	52	62	72
30403536	103	14	45	32	32.5	34	44	46	49	54	64	74

MATERIAL: Plastic

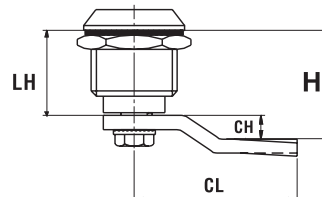
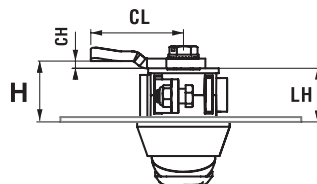
Cam
5



STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:35 H	LH:40 H	LH:50 H	LH:60 H
30402004	90	0	35	18	18.5	20	30	35	40	50	60
30402011	93	0	25	18	18.5	20	30	35	40	50	60
30402005	91	6	35	24	24.5	26	36	41	46	56	66
30402008	92	4	45	22	22.5	24	34	39	44	54	64
30402013	94	-4	45	14	14.5	16	26	31	36	46	56

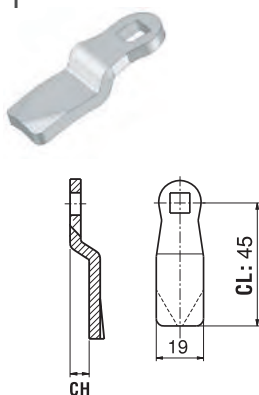
CAMS WITHOUT STOPPERS

H: Grip
LH: Height of housing
CL: Cam length
CH: Cam height



MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

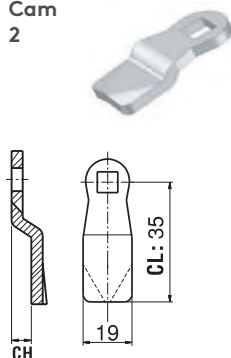
Cam 1



STOCK CODE	CC	CH	CL	LH:18.5 H	LH : 20 H	LH : 25 H	LH : 32 H
30403117	30	0	45	18.5	20	25	32
30403557	17	1	45	19.5	21	26	33
30403581	35	2	45	20.5	22	27	34
30403054	31	3	45	21.5	23	28	35
30403197	33	4	45	22.5	24	29	36
30403128	34	6	45	24.5	26	31	38
30403583	36	8	45	26.5	28	33	40
30403584	47	10	45	28.5	30	35	42
30403123	44	12	45	30.5	32	37	44
30403422	48	14	45	32.5	34	39	46
30403410	49	16	45	34.5	36	41	48
30403429	55	18	45	36.5	38	43	50
30403585	56	20	45	38.5	40	45	52
30403586	57	22	45	40.5	42	47	54
30403411	58	24	45	42.5	44	49	56
30403425	37	-2	45	16.5	18	23	30
30403198	38	-4	45	14.5	16	21	28
30403423	39	-6	45	12.5	14	19	26
30403412	59	-8	45	10.5	12	17	24
30403552	60	-10	45	8.5	10	15	22
30403587	61	-12	45	6.5	8	13	20
30403420	62	-14	45	4.5	6	11	18

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

Cam 2

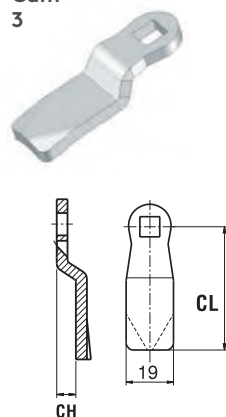


STOCK CODE	CC	CH	CL	LH:18.5 H	LH : 20 H	LH : 25 H	LH : 32 H
30403069	11	-2	35	16.5	18	23	30
30403444	12	0	35	18.5	20	25	32
30403519	13	2	35	20.5	22	27	34
30403588	14	4	35	22.5	24	29	36
30403477	15	6	35	24.5	26	31	38
30403589	16	7	35	25.5	27	32	39
30403407	23	10	35	28.5	30	35	42
30403075	52	26	35	44.5	46	51	58

CAMS WITHOUT STOPPERS

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

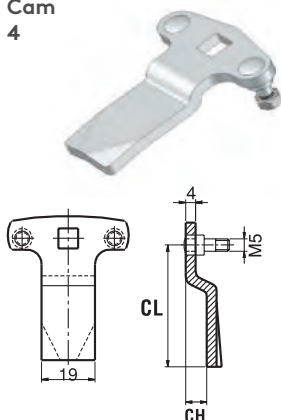
Cam 3



STOCK CODE	CC	CH	CL	LH:18.5 H	LH : 20 H	LH : 25 H	LH : 32 H
30403006	10	0	29	18.5	20	25	32
30403130	20	0	38	18.5	20	25	32
30403117	30	0	45	18.5	20	25	32
30403003	40	0	51	18.5	20	25	32
30403005	70	0	66	18.5	20	25	32
30403064	21	3	38	21.5	23	28	35
30403054	31	3	45	21.5	23	28	35
30403141	41	3	51	21.5	23	28	35
30403138	22	6	37	24.5	26	31	38
30403128	34	6	45	24.5	26	31	38
30403073	32	7	44	25.5	27	32	39
30403002	42	7	49	25.5	27	32	39
30403004	43	10	48	28.5	30	35	42
30403123	44	12	45	30.5	32	37	44

MATERIAL: Steel
FINISH: Zinc plated
THICKNESS: 4 mm

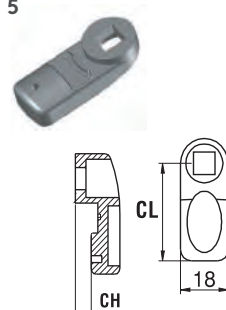
Cam 4



STOCK CODE	CC	CH	CL	LH:18.5 H
30403135	03	0	51	18.5
30403523	06	0	45	18.5
30403001	01	7	49	25.5
30403525	07	2	45	20.5
30403527	08	3	45	21.5
30403529	09	4	45	22.5
30403531	100	5	45	23.5
30403533	101	6	45	24.5
30403535	102	7	45	25.5
30403068	02	12	46	30.5
30403537	103	14	45	32.5

MATERIAL: Plastic

Cam 5

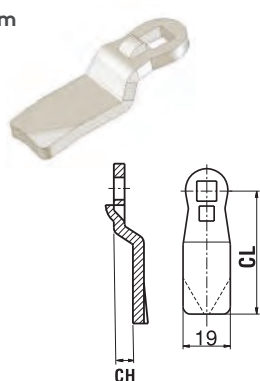


STOCK CODE	CC	CH	CL	LH:18.5 H	LH: 20 H	LH: 25 H
30402002	90	0	35	18.5	20	25
30402010	93	0	25	18.5	20	25
30402007	92	4	45	22.5	24	29
30402003	91	6	35	24.5	26	31
30402014	94	-4	45	14.5	16	21

STAINLESS STEEL CAMS

WITH STOPPER

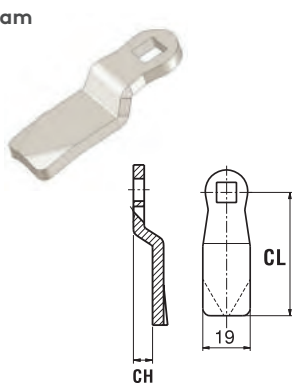
Cam 1



STOCK CODE	CC	CH	CL	LH:18 H	LH:18.5 H	LH:20 H	LH:30 H	LH:30 H	LH:40 H	LH:50 H	LH:60 H
30405004	30	0	45	18	18.5	20	30	32	40	50	60
30405003	40	0	51	18	18.5	20	30	32	40	50	60
30405159	35	2	45	20	20.5	22	32	34	42	52	62
30405063	31	3	45	21	21.5	23	33	35	43	53	63
30405149	33	4	45	22	22.5	24	34	36	44	54	64
30405160	34	6	45	24	24.5	26	36	38	46	56	66
30405040	42	7	49	25	25.5	27	37	39	47	57	67
30405006	36	8	45	26	26.5	28	38	41	48	58	68
30405162	47	10	45	28	28.5	30	40	42	50	60	70
30405045	44	12	45	30	30.5	42	42	44	52	72	72

WITHOUT STOPPER

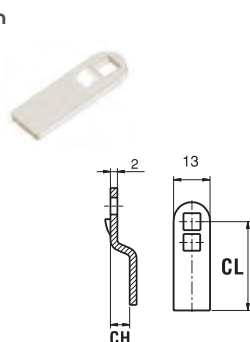
Cam 2



STOCK CODE	CC	CH	CL	LH:18.5 H	LH:20 H	LH:25 H	LH:32 H
30405117	30	0	45	18.5	20	25	32
30405058	40	0	51	18.5	20	25	32
30405012	35	2	45	20.5	22	27	34
30405013	31	3	45	21.5	23	28	35
30405015	34	4	45	22.5	24	29	36
30405002	42	7	49	25.5	27	32	39
30405016	36	8	45	26.5	28	33	40
30405017	47	10	45	28.5	30	35	42
30405018	44	12	45	30.5	32	37	44

WITH STOPPER

Cam 3



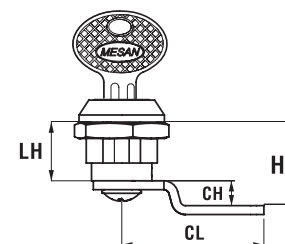
STOCK CODE	CC	CH	CL	LH:13.5 H
30405084	10	0	33	13.5
30405085	11	7	30	20.5
30405184	20	0	25	13.5
30405196	22	-6	25	7.5

ADDITIONAL CAMS

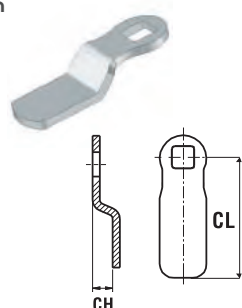
LOCKS

H: Grip
LH: Height of housing
CL: Cam length
CH: Cam height

GROUP CODE	050	150	250	072	066	166	057	055	165
LH	16.5 20 25 30	20	20	29	13.5	13.5	13.5	20 32	16
CAM	1-2	1	1	1	3	3	4	1	3

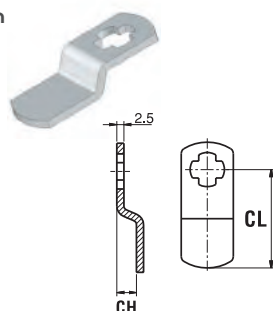


Cam 1

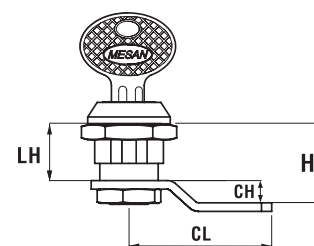


STOCK CODE	CC	CH	CL	LH:16.5 H	LH:20 H	LH:25 H	LH:29 H	LH:30 H	LH:32 H
30403124	50	0	43	16.5	20	25	29	30	32
31403010	56	0	23	16.5	20	25	29	30	32
31403011	30	0	33	16.5	20	25	29	30	32
30403157	57	3	48	19.5	23	28	32	33	35
30403125	51	7	40	23.5	27	32	36	37	39
30403110	52	10	37	26.5	30	35	39	40	42
30403111	53	14	33	30.5	34	39	43	44	46

Cam 2

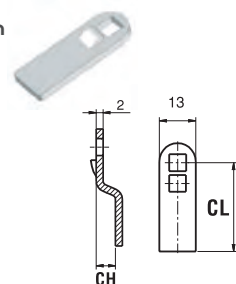


STOCK CODE	CC	CH	CL	LH:16.5 H
30403014	10	0	38	16.5
30403100	30	0	33	16.5
30403019	20	0	49	16.5
30403082	11	3	38	19.5
30403015	12	7	36	23.5
30403016	21	7	47	23.5
30403017	22	10	44	26.5
30403022	13	0	39	16.5

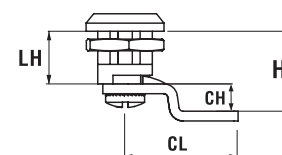


Hook cam (CC: 13)

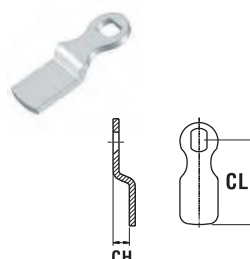
Cam 3



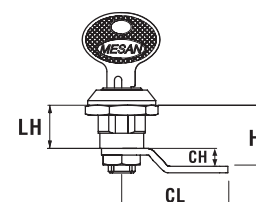
STOCK CODE	CC	CH	CL	LH:13.5 H	LH:16 H
30403084	10	0	33	13.5	16
30403184	20	0	25	13.5	16
30403183	21	6	25	19.5	22
30403085	11	7	30	20.5	23
30403196	22	-6	25	7.5	10



Cam 4



STOCK CODE	CC	CH	CL	LH:13 H
30403158	10	0	24	13
31403016	50	0	21	13
30403029	20	0	31	13
30403028	30	0	36	13
30403089	21	3	30	16
30403030	22	7	26	20
30403182	11	-3	28	10
30403058	40	0	31	13

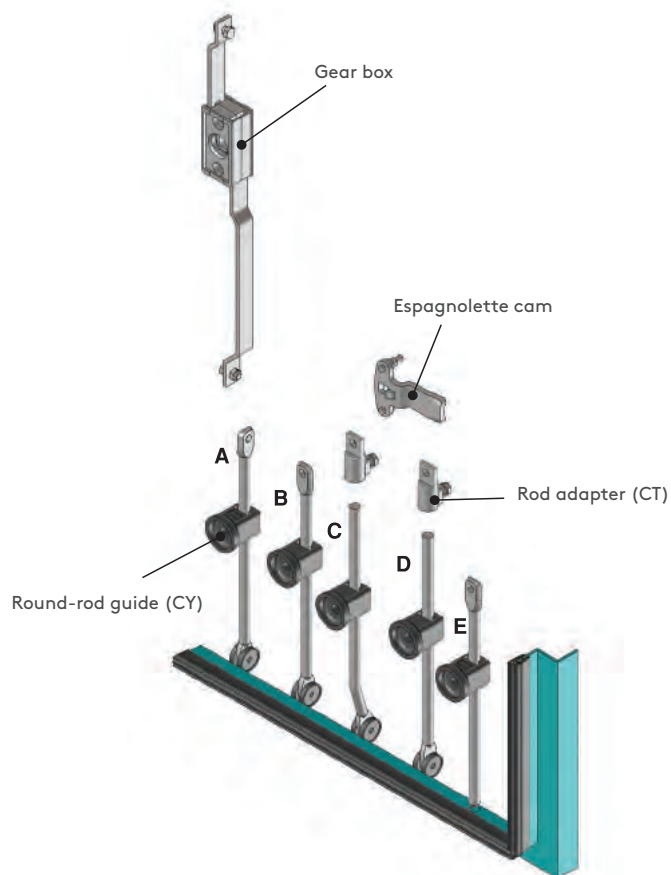


Hook cam (CC: 40)

Espagnolette round and flat rod applications and accessories

IC

► ROUND-ROD APPLICATIONS



Inside the gasketing applications

A - IC.4.L: Suitable for the gear-box applications. Rod adapter can not be used.

B - IC.3.L: Suitable for the espagnolette-cam applications. Rod adapter can not be used.

C - IC.6.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can be used.

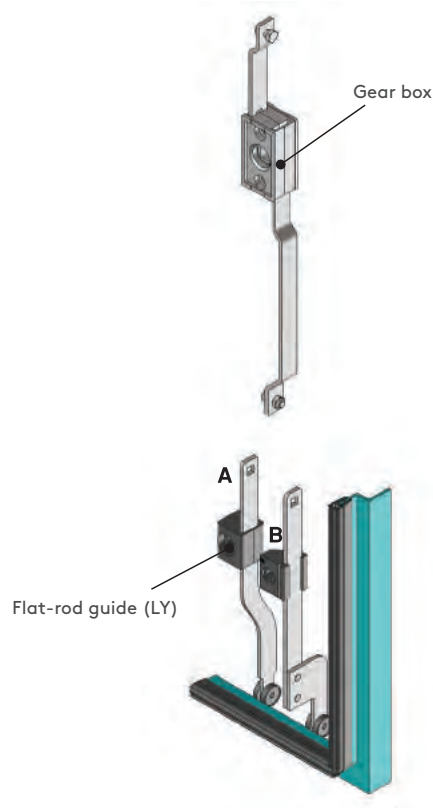
D- IC.2.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can be used.

E- IC.1.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can not be used. Alternative locking achievable with locking hole.

- Different rod-lengths are available. Please check the next pages
- Round-rod guide must be used for all applications. Please check the accessory pages

IL

► FLAT-ROD APPLICATIONS



Inside the gasketing applications

A - IL.1.h.1020: Suitable for the gear box applications. Two height (h) alternatives are available.

B - IL.2.h.1020 Suitable for the gear-box applications. Four height (h) alternatives are available.

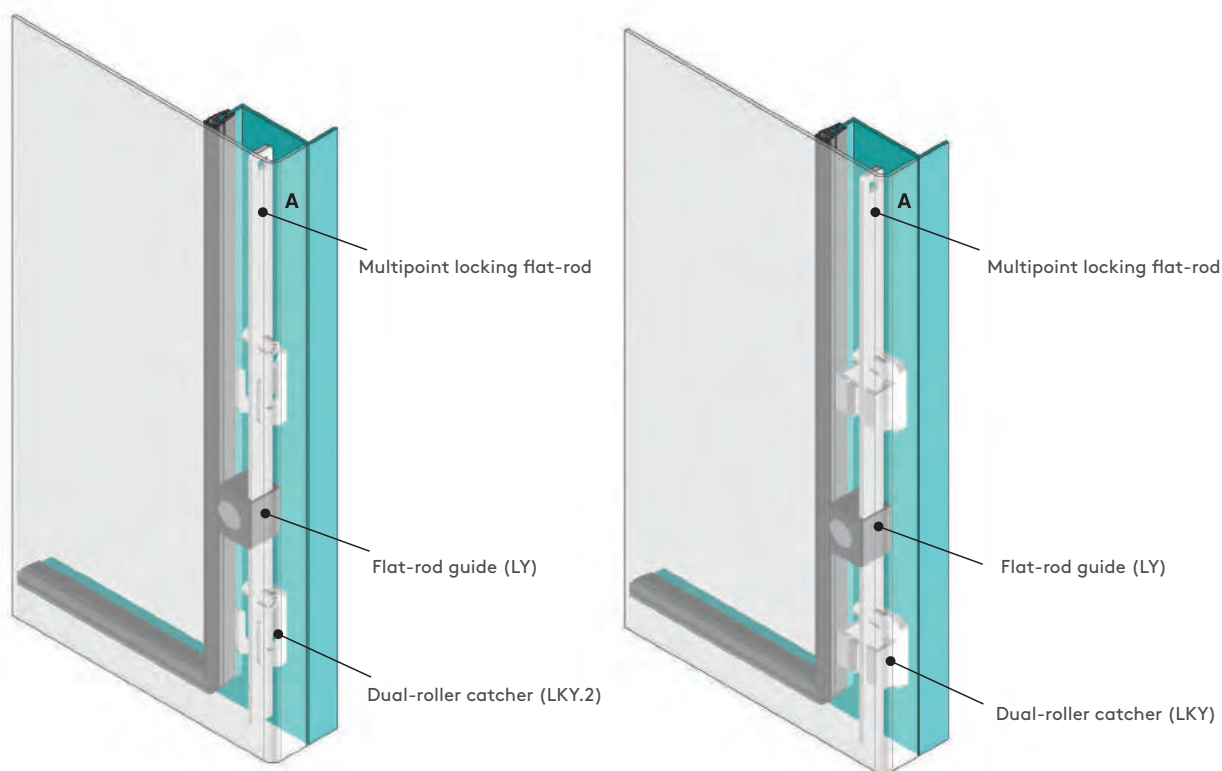
- Flat-rod guide must be used for all espagnolette flat-rod applications. Please check the accessory pages
- Standard flat-rod length is 1020mm



Flat rod applications for multipoint locking and accessories.

ILP

► MULTIPOINT LOCKING FLAT-ROD APPLICATIONS



Outside the gasketing applications

A - ILP.1.575 Suitable for out-of-gasket locks

- Flat-rod guide and dual-roller catcher must be used for all espagnolette flat-rod applications. Please check the accessory pages

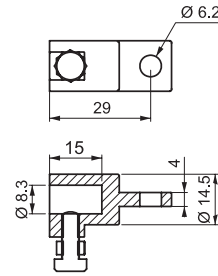
ROD ADAPTER

CT



MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH
Zinc plated



ROD ADAPTER

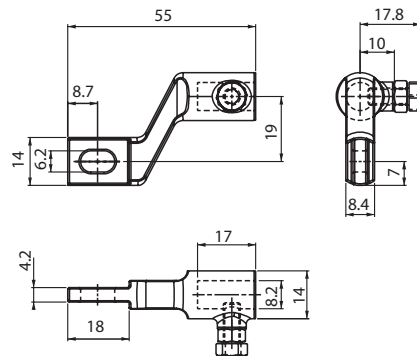
CT.2



- For horizontal application

MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

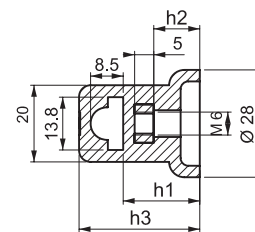
FINISH
Zinc plated



ROUND-ROD GUIDE



MATERIAL
Polyamide PA6 GFR 30



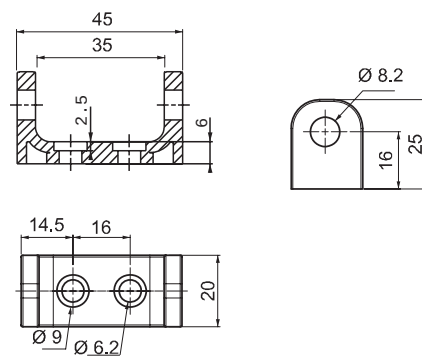
H1	H2	H3	FIXING SCREW	PRODUCT CODE
20	12	32	M6 X 16	CY.1.20
24	16	36	M6 X 20	CY.1.24
26	18	38	M6 X 22	CY.1.26

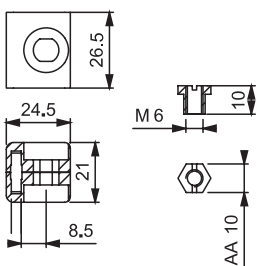


CY.2



MATERIAL
Delrin





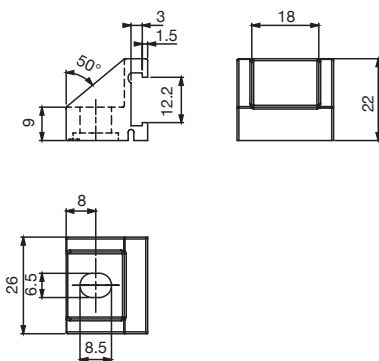
LY

FLAT ROD GUIDE



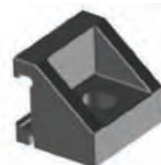
MATERIAL

BODY: Polyamide PA6 GFR 30
NUT: Steel



LY.2

FLAT-ROD GUIDE



MATERIAL

Polyamide PA6 GFR 30

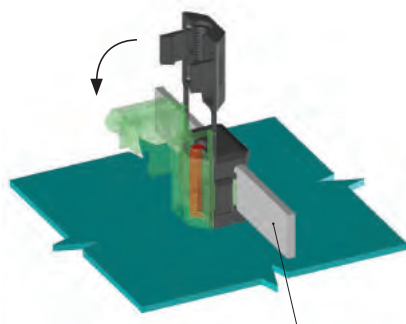
LY.3

FLAT ROD GUIDE (Easy fixing)



MATERIAL

Polyamide PA6 GFR 30



FLAT ROD

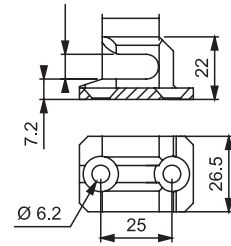
DUAL - ROLLER CATCHER

LKY



MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH
Zinc Plated



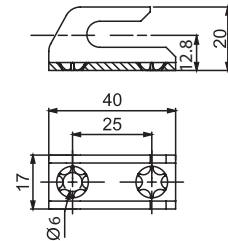
DUAL - ROLLER CATCHER

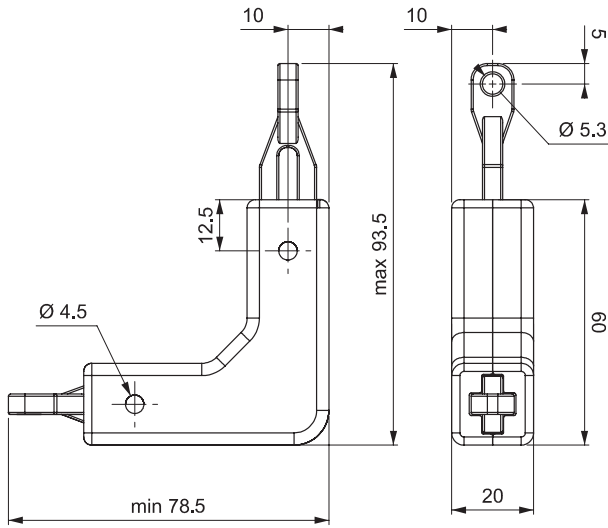
LKY.2



MATERIAL
Steel

FINISH
Zinc plated





RCC

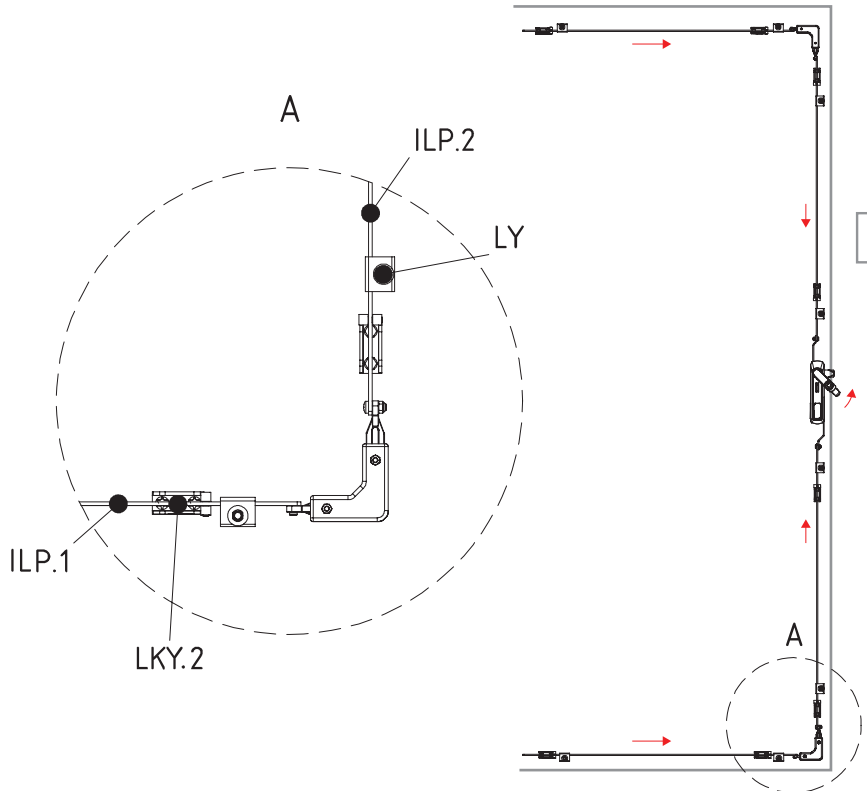
ROD CORNER CONTROL

New



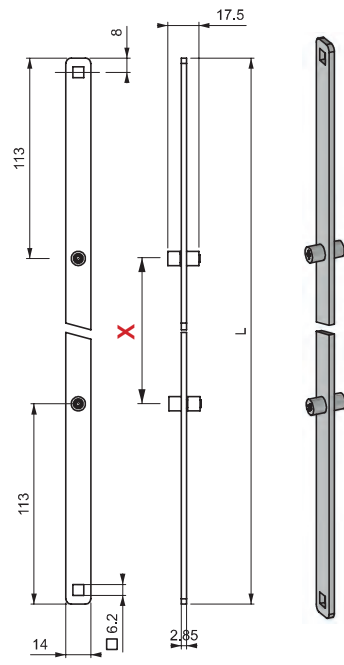
- Used to convert the vertical movement of the flat rods to horizontal movement
- 8 point locking is possible for security reasons

MATERIAL
BODY: Polyamide PA6 GFR 30
RODS: Zamak DIN-EN 1774-ZnAl4Cu1



ILP

MULTIPOINT LOCKING FLAT ROD

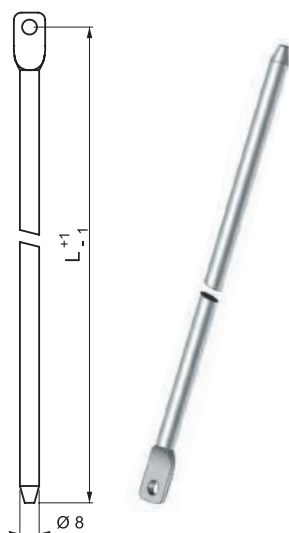


MATERIAL
Steel
FINISH
Zinc Plated

PRODUCT CODE

ILP - 2 - X
GROUP CODE VERSION LENGTH BETWEEN PINS

Please specify for different 'X' length



V : 1

L mm	PRODUCT CODE
400	IC 1-400
500	IC 1-500
600	IC 1-600
700	IC 1-700
800	IC 1-800
900	IC 1-900
1000	IC 1-1000

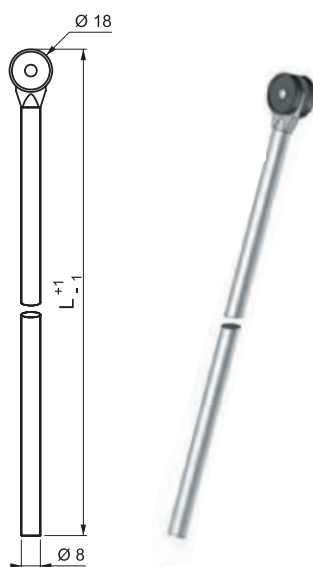
Application:

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



Accessories:

- Round-rod guide (CY)



V : 2

L mm	PRODUCT CODE
400	IC 2-400
500	IC 2-500
600	IC 2-600
700	IC 2-700
800	IC 2-800
900	IC 2-900
1000	IC 2-1000

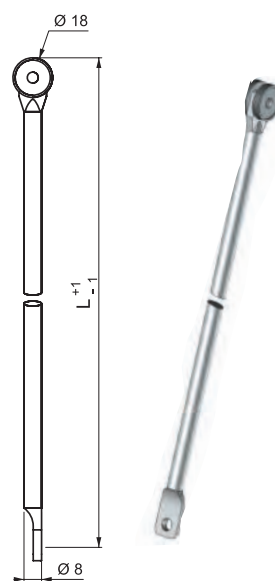
Application:

- 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 3-400
500	IC 3-500
600	IC 3-600
700	IC 3-700
800	IC 3-800
900	IC 3-900
1000	IC 3-1000

Application:

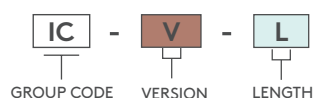
- Locks with three-point cam



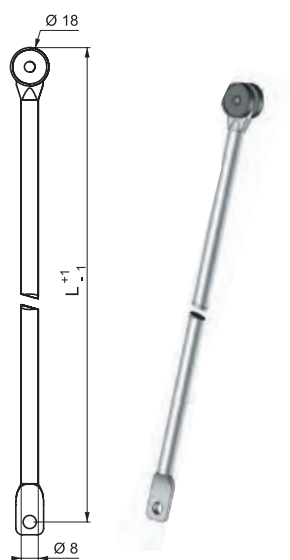
Accessories:

- Round-rod guide (CY)
- Stainless steel version: page 430

PRODUCT CODE



For different 'L' lengths, please contact Essentra



V : 4

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

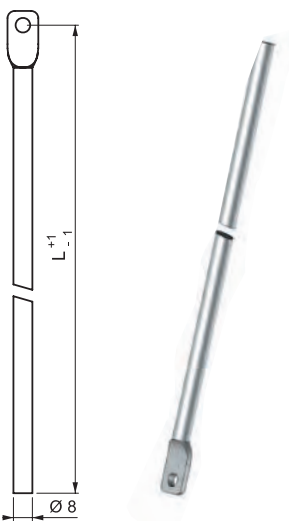
Application:

- With gearbox locks



Accessories:

- Round-rod guide (CY)



V : 5

L mm	PRODUCT CODE
400	IC 5-400
500	IC 5-500
600	IC 5-600
700	IC 5-700
800	IC 5-800
900	IC 5-900
1000	IC 5-1000

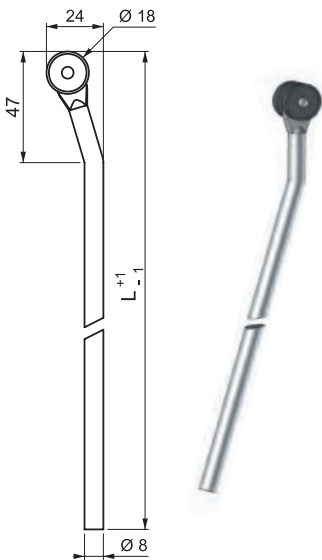
Application:

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



Accessories:

- Round-rod guide (CY)



V : 6

L MM	PRODUCT CODE
400	IC 6-400
500	IC 6-500
600	IC 6-600
700	IC 6-700
800	IC 6-800
900	IC 6-900
1000	IC 6-1000

Application:

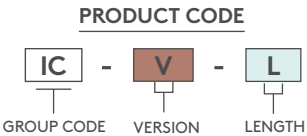
- With gear-box locks
- Locks with three-point cam



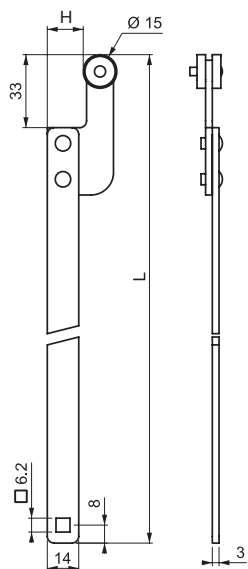
Accessories:

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

• Stainless steel version:
page 430



For different 'L' lengths, please contact Essentra



V :1

H mm	L mm	PRODUCT CODE
27	1020	IL 1-27-1020
13	1020	IL 1-13-1020

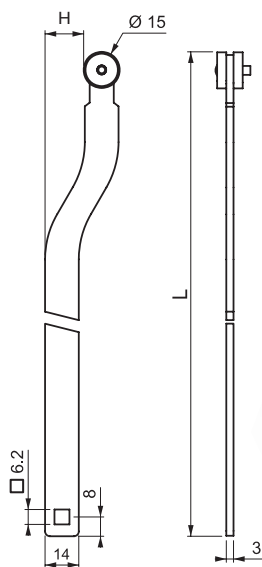
Application:

- With gear-box locks



Accessories:

- Flat-rod guide (LY)



V :2

H mm	L mm	PRODUCT CODE
21	1020	IL 2-21-1020
16	1020	IL 2-16-1020

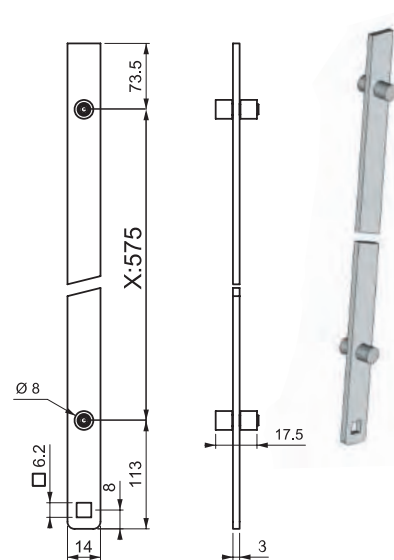
Application:

- With gear-box locks



Accessories:

- Flat-rod guide (LY)



V :3

X mm	PRODUCT CODE
575	ILP 1-575

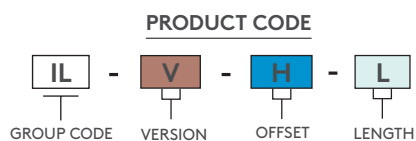
Application:

- With gear-box locks

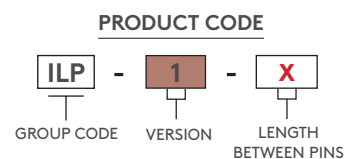


Accessories:

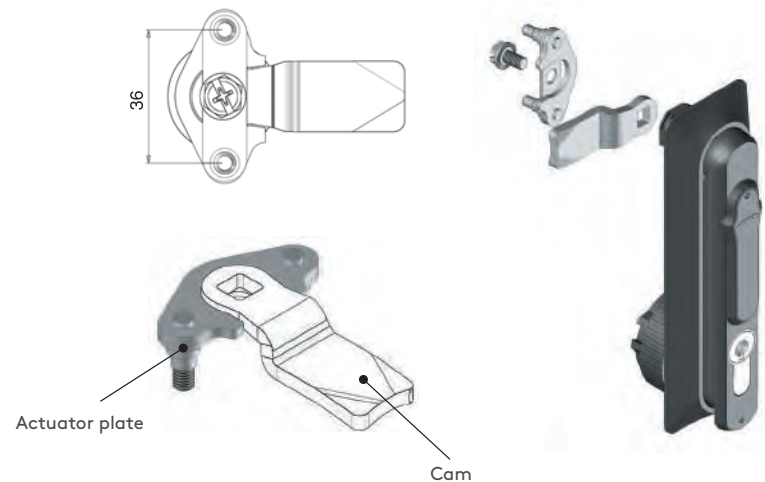
- Flat-rod guide (LY)
- Dual-roller catcher (LKY)
- Stainless steel version: page 431



For different 'L' lengths, please contact Essentra Components



Please specify for different 'X' length



30403499

ACTUATOR PLATE



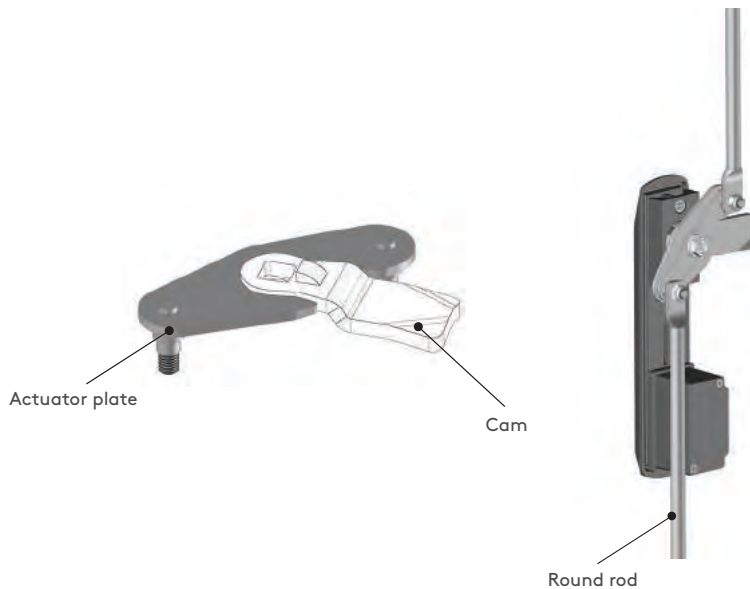
- Three-point locking actuator plate

MATERIAL

Steel

FINISH

Zinc plated



Right hand

30403563

Left hand

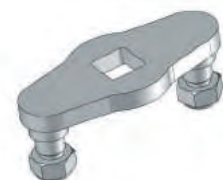
30403632

ACTUATOR PLATE

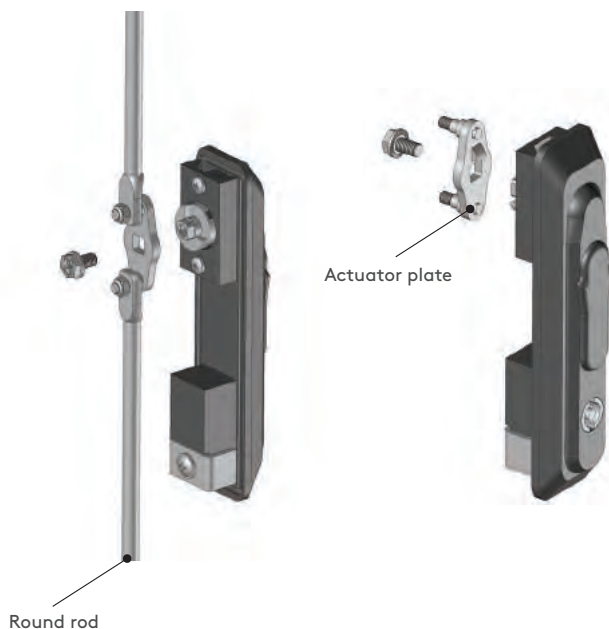


- !** **Note:** This plate is used for 501 swing handle (p.20)

ACTUATOR PLATE

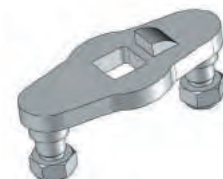


- 2-point locking actuator plate without stop lip.



30403496

30403495



- 22-point locking actuator plate with stop lip.

MATERIAL

Steel

FINISH

Zinc plated

FLAT ROD



MATERIAL
Steel

FINISH
Zinc plated

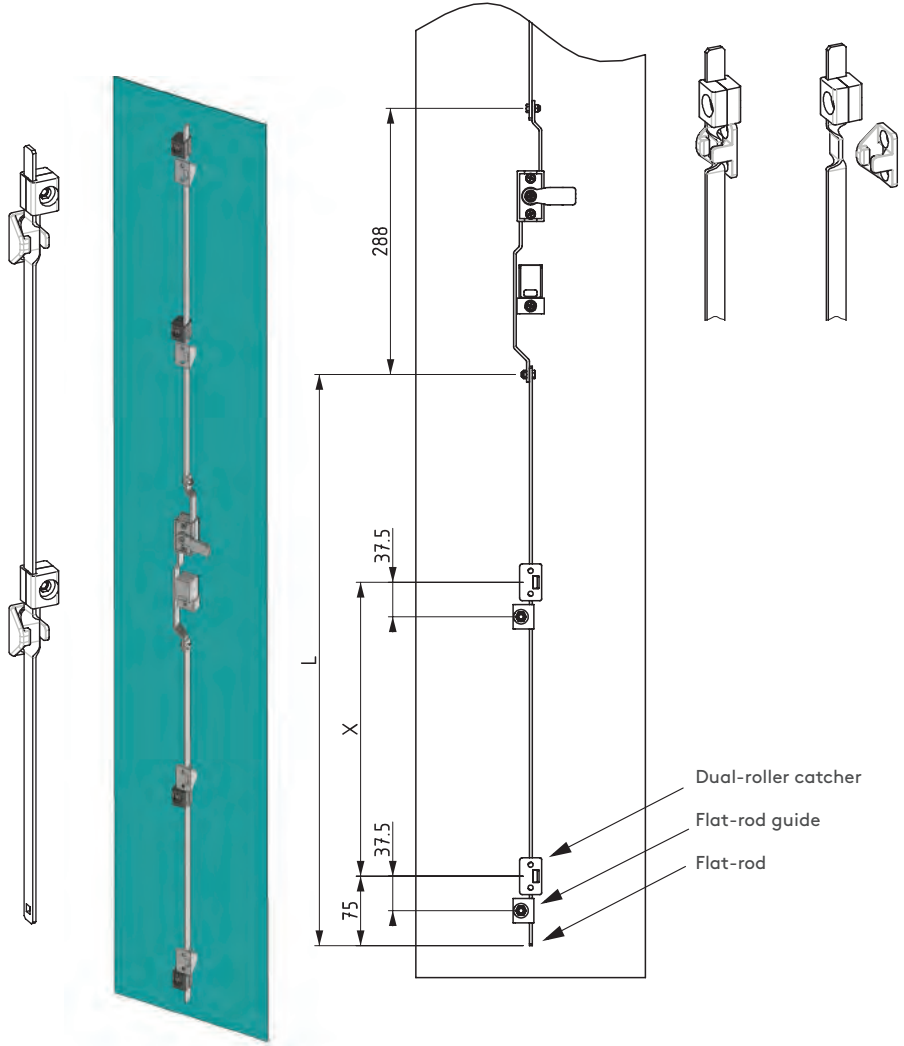
DUAL-ROLLER CATCHER

LKY.3



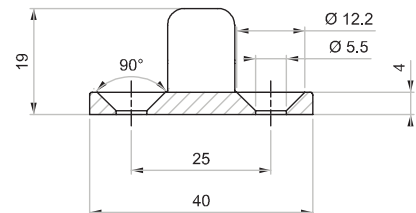
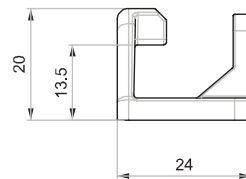
MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

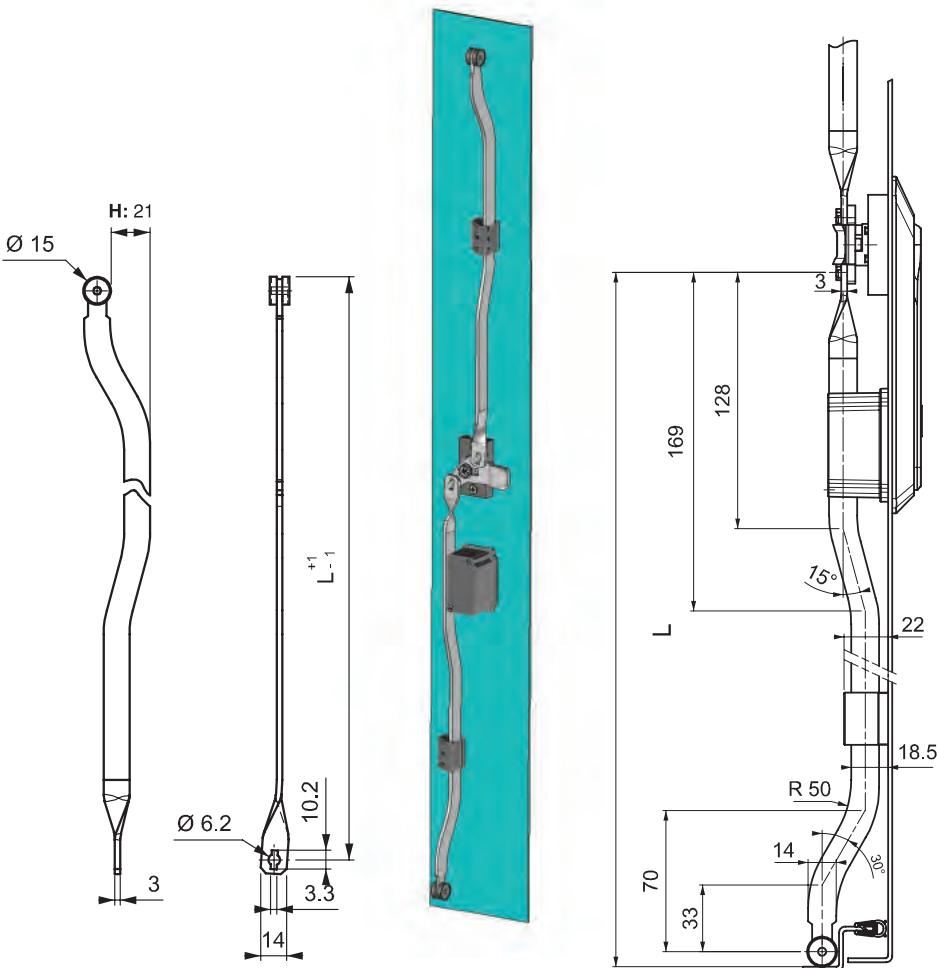
FINISH
Zinc plated



PRODUCT CODE

IL - 4 - L - X
GROUP CODE VERSION LENGTH LOCKING

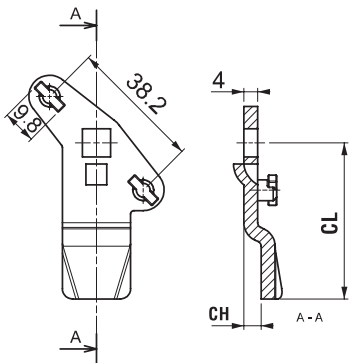




PRODUCT CODE



Please specify for different 'L' length



STOCK CODE	CH	CL
34003591	5	45
34003592	20	45

FLAT ROD



- T-shape rivets on cam provide easy assembly of rods.

MATERIAL
Steel
FINISH
Zinc plated

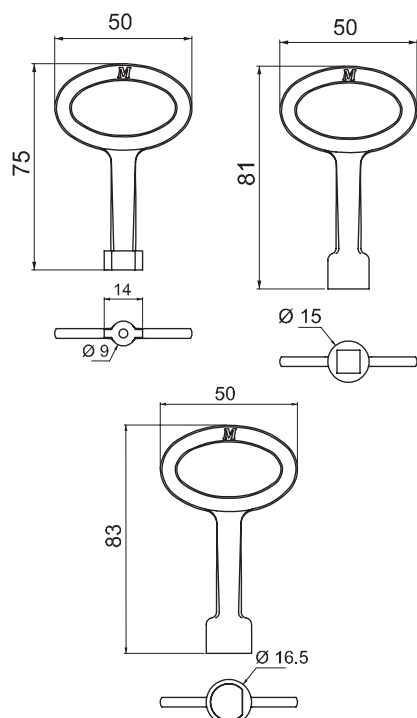


3-POINT CAM



METAL KEY LONG

368



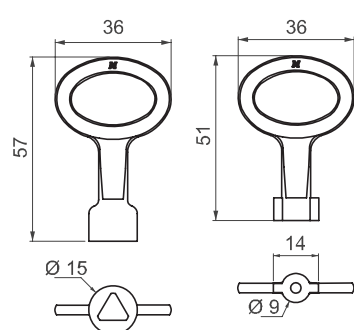
MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH
Chrome plated



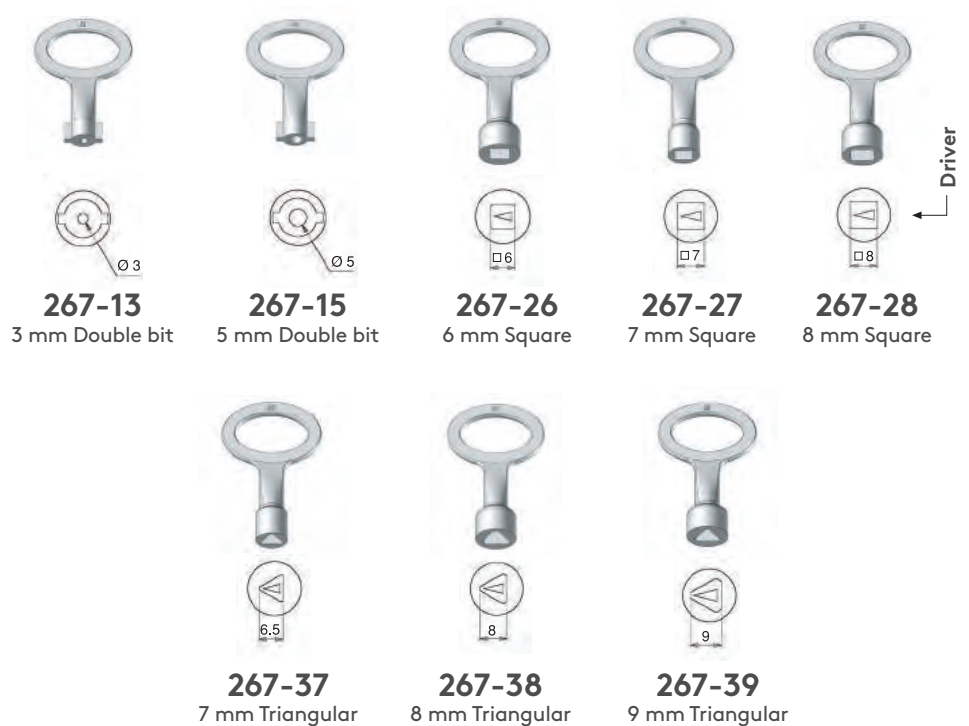
METAL KEY SHORT

267



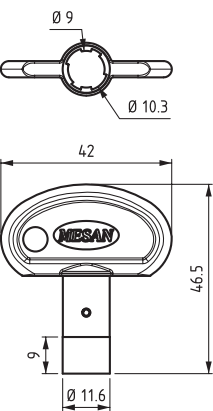
MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH
Chrome plated



Plastic   169.66 6 mm Hexagon	Plastic   169.15 5 mm Double bit	Plastic   169.39 9 mm Triangular	Plastic   269.15 5 mm Double bit
--	---	---	--

 **Not:** Suitable for 040 compression lock

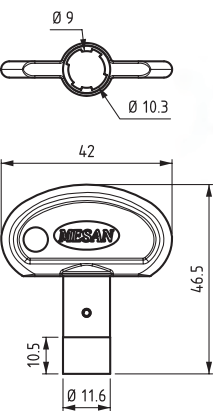


Metal

Tubular key

Chrome plated: 369.1.1
Black coated : 369.1.2

 **Not:** Suitable for 140 compression lock



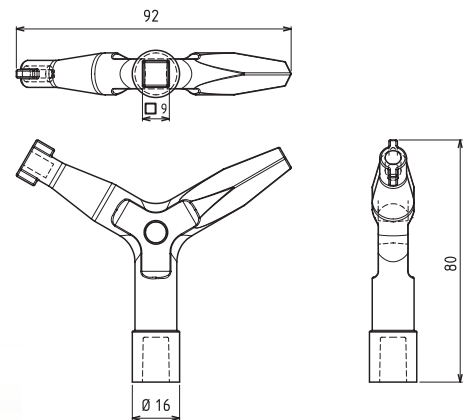
Metal

Tubular key

Chrome plated: 469.1.1
Black coated : 469.1.2



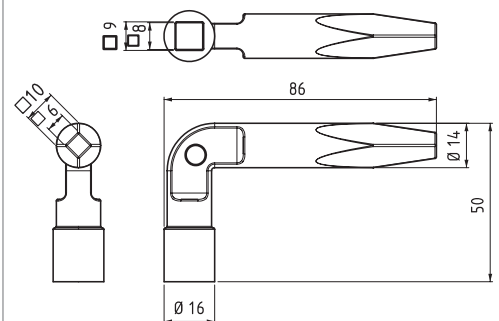
568.1.3
Multiple key



Double bit, Square, Railway



569.1.3
Railway key



Square, Railway



LOCKS



QUARTER-TURN LOCKS

GROUP CODE	PRODUCT NAME
360	QUARTER TURN – SPRING LOADED
060	QUARTER TURN – SPRING LOADED
560	QUARTER TURN – EASY FIXING
660	QUARTER TURN – EASY FIXING
062	QUARTER TURN – WING KNOB
362	QUARTER TURN – WING KNOB
562	PADLOCKABLE – WING KNOB
262	PADLOCKABLE – WING KNOB
361	SECURE QUARTER TURN
461	SECURE QUARTER TURN
760	QUARTER TURN – SPRING LOADED
561	KNOB LOCK (plastic)
161	KNOB LOCK (plastic)
261	KNOB LOCK (plastic)
160	QUARTER TURN – SPRING CAM
260	QUARTER TURN – PADLOCKABLE
162	PACO LOCK
060 AX	ACCESSORIES
064	STEPPED COVER LOCK
064	QUARTER TURN – SPRING LOADED
064	QUARTER TURN – WING KNOB
040	COMPRESSION LOCK
140	MINI COMPRESSION LOCK
045	COMPRESSION - SPRING LATCH
366	MINI QUARTER TURN – EASY FIXING
566	MINI QUARTER TURN – EASY FIXING
066	MINI QUARTER TURN – SPRING LOADED
266	MINI QUARTER TURN – SPRING LOADED
166	MINI QUARTER TURN – WING KNOB
050	CAM LOCK – BALL
055	PADLOCKABLE – KNOB
350	QUARTER TURN LOCK
203	QUARTER TURN WING KNOB
103	QUARTER TURN LOCK
203	QUARTER TURN LOCK



ESSENTRA

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▶ QUARTER-TURN LOCKS

M	F	
1	1	Zamak /chrome plated
1	2	Zamak /black coated
2	0	Polyamide /No finish

M MATERIAL **F** FINISH **DD** DRIVER CODE

DRIVERS

3 mm Double bit	M	F	Stock code
DD	1	1	30101127
	1	2	30101126
13	2	0	30102012

5 mm Double bit	M	F	Stock code
DD	1	1	30101099
	1	2	30101125
15	2	0	30102001

8 mm Square	M	F	Stock code
DD	1	1	30101113
	1	2	30101065
28	2	0	30102011

6 mm Square	M	F	Stock code
DD	1	1	30101058
	1	2	30101139
26	2	0	30102009

7 mm Square	M	F	Stock code
DD	1	1	30101039
	1	2	30101138
27	2	0	30102010

9 mm Triangular	M	F	Stock code
DD	1	1	30101066
	1	2	30101140
39	2	0	30102007

7 mm Triangular	M	F	Stock code
DD	1	1	30101124
	1	2	30101120
37	2	0	30102008

8 mm Triangular	M	F	Stock code
DD	1	1	30101114
	1	2	30101064
38	2	0	30102006

Slot	M	F	Stock code
DD	1	1	30101636
	1	2	30101637
52	2	0	•

Slot (2x4)	M	F	Stock code
DD	1	1	30101146
	1	2	30101149
42	2	0	30102005

8 mm Square Slot	M	F	Stock code
DD	1	1	30101175
	1	2	30101176
58	2	0	•

10 mm Hexagon female	M	F	Stock code
DD	1	1	30101169
	1	2	30101170
61	2	0	•

8 mm Hexagon female	M	F	Stock code
DD	1	1	30101195
	1	2	30101196
68	2	0	•

5x10 Slot	M	F	Stock code
DD	1	1	30101188
	1	2	30101189
71	2	0	•

6 mm Square	M	F	Stock code
DD	1	1	30101173
	1	2	30101174
76	2	0	•

Railway	M	F	Stock code
DD	1	1	30101171
	1	2	30101172
88	2	0	•

Eastern	M	F	Stock code
DD	1	1	30101177
	1	2	30101178
91	2	0	•

Tork (T-30)	M	F	Stock code
DD	1	1	30101213
	1	2	•
92	2	0	•

11 mm Hexagon male	M	F	Stock code
DD	1	1	30101675
	1	2	30101676
97	2	0	•

Fiat	M	F	Stock code
DD	1	1	30101677
	1	2	30101678
95	2	0	•

HOUSING, NUT, SEALING WASHER, SPRING, SCREW, O-RING

Housing	M	F	Stock code
	1	1	30301019
	1	2	30301035
	1	1	*30301226
	1	2	*30301283
	2	0	30302061

Nut	M	F	Stock code
	1	1	30501015
	2	0	30502002

* Suitable for Railway driver

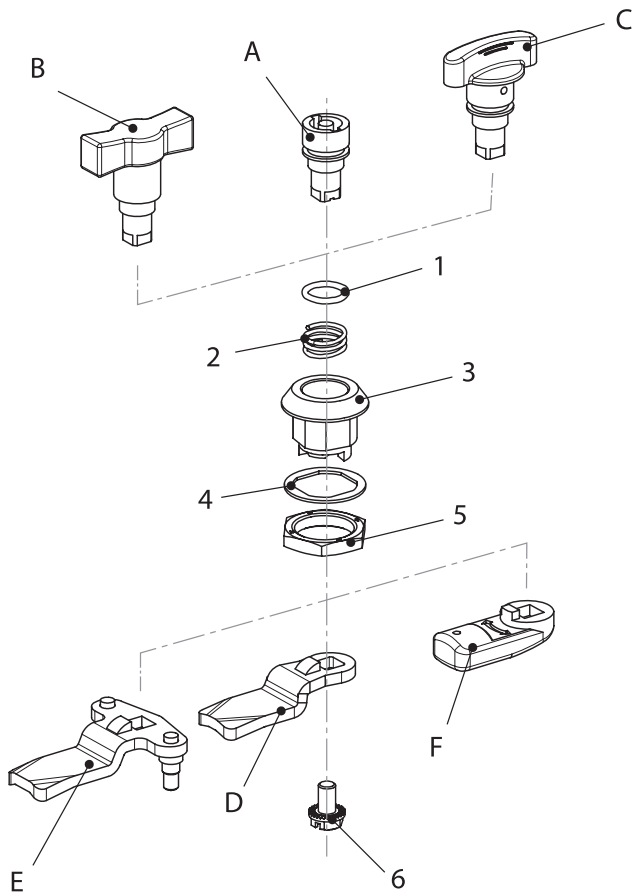
	Sealing Washer	30802021
	Spring	30703001
	Screw (6x10 Kombi)	30603002
	Screw (5x11 RYSB)	30603055
	O'Ring (IP 65)	30802002

ASSEMBLY

QUARTER-TURN LOCKS

060, 062, 362

Zamak

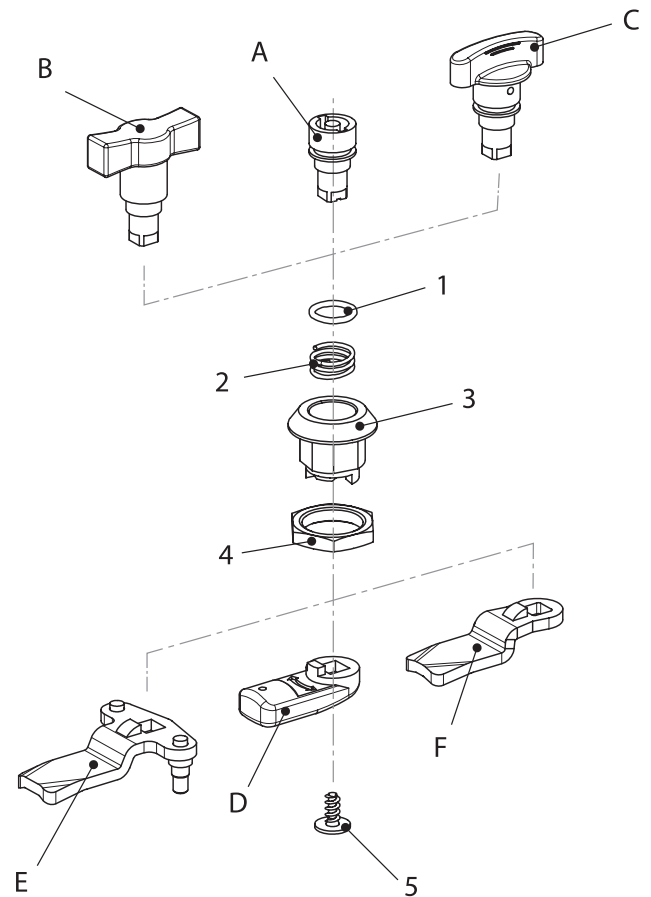


A : Driver (060 system), zamak
B : Knob (062 system), zamak
C : Knob (362 system), zamak

1 : O-ring (IP 65)
2 : Spring
3 : Housing (Ø 30), zamak
4 : Sealing washer
5 : Nut, zamak
6 : Screw (6x10 Kombi)

D : Cam
E : Espagnolette cam
F : Plastic cam

Plastic



A : Driver (060 system), plastic
B : Knob (062 system), plastic
C : Knob (362 system), plastic

1 : O-ring (IP 65)
2 : Spring
3 : Housing (Ø 28), plastic
4 : Nut, Plastic
5 : Screw (5x11 RYSB)

D : Plastic cam
E : Espagnolette cam
F : Cam

QUARTER-TURN LOCKS

QUARTER TURN – SPRING LOADED

360

IP 65



LH/RH

RoHS



- Special clip for grounding
- Specially designed internal spring provides 1.5 mm of compression
- Cam does not rotate beyond quarter turn due to stop lip

APPLICATIONS

Electric panels, machinery covers.

MATERIAL

HOUSING: Zamak DIN-EN

1774-ZnAl4Cu1

DRIVER: Zamak DIN-EN

1774-ZnAl4Cu1

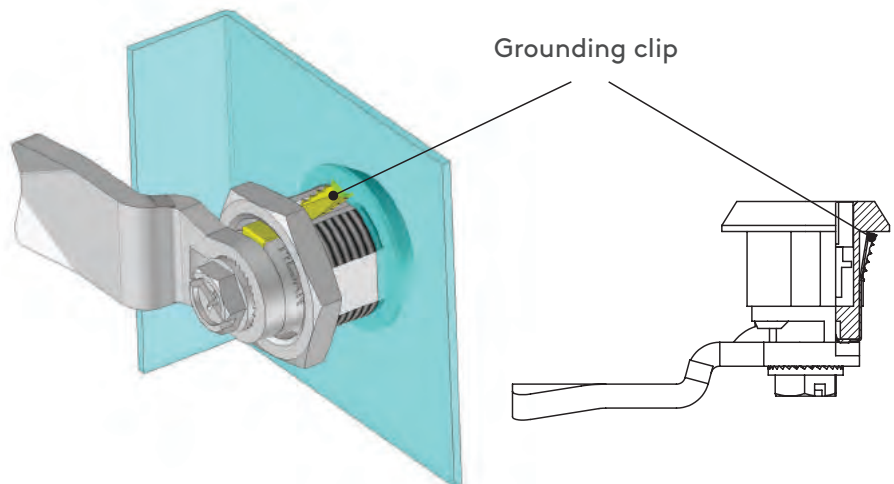
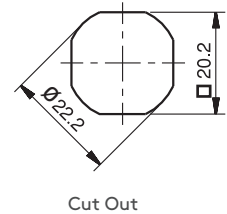
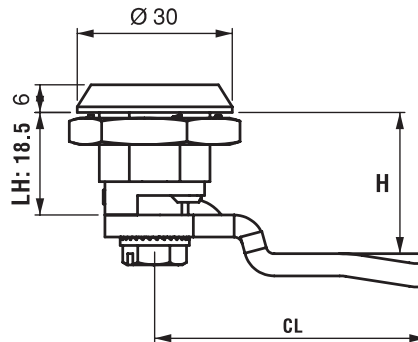
CAM: Steel or Plastic

GASKET: Rubber

GROUNDING CLIP: Stainless steel

FINISH

Chrome or Black coated



PRODUCT CODE

360 - **1** - **F** - **DD** - **CC**

GROUP CODE MATERIAL FINISH DRIVER CAM

MATERIAL		M	FINISH		F
Zamak		1	Chrome		1
			Black coated		2



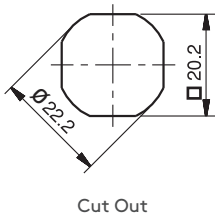
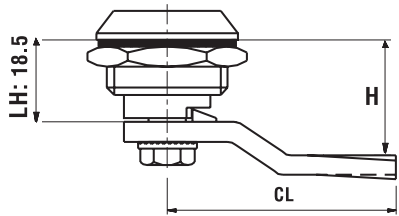
For cams please check pages: 144 - 145



For drivers please check page: 166



For keys please check pages : 162 - 163



060

QUARTER TURN –
SPRING LOADED

IP 65



LH/RH

RoHS



060 1-1-DD-CC
ZAMAK – CHROME

060 1-2-DD-CC
ZAMAK – BLACK COATED

060 2-0-DD-CC
PLASTIC



- Stainless steel version: page: 436
- Specially designed internal spring provides 1.5 mm of compression
- Cam does not rotate beyond quarter turn due to stop lip

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

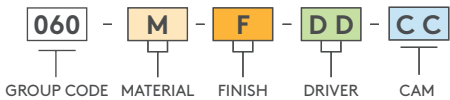
CAM: Steel or Plastic

GASKET: Rubber

FINISH

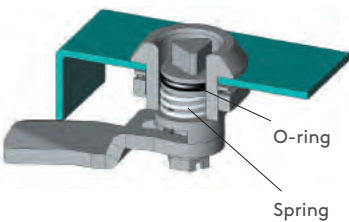
Chrome or Black coated

PRODUCT CODE

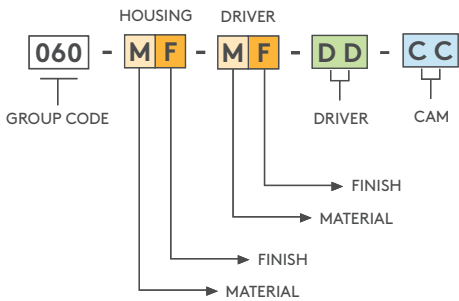


MATERIAL	M
Zamak	1
Plastic	2

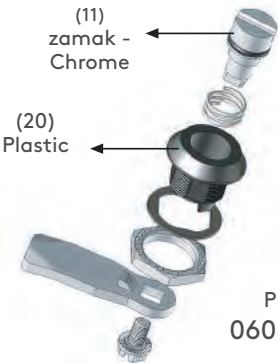
FINISH	F
Chrome	1
Black coated	2
No finish	0



For mixed material and finish lock orders, please use the following coding system:



EXAMPLE



PRODUCT CODE
060 20-11-42-40-1

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161
- For keys please check pages : 162 - 163

QUARTER-TURN LOCKS

QUARTER TURN – EASY FIXING

560



LH/RH

RoHS

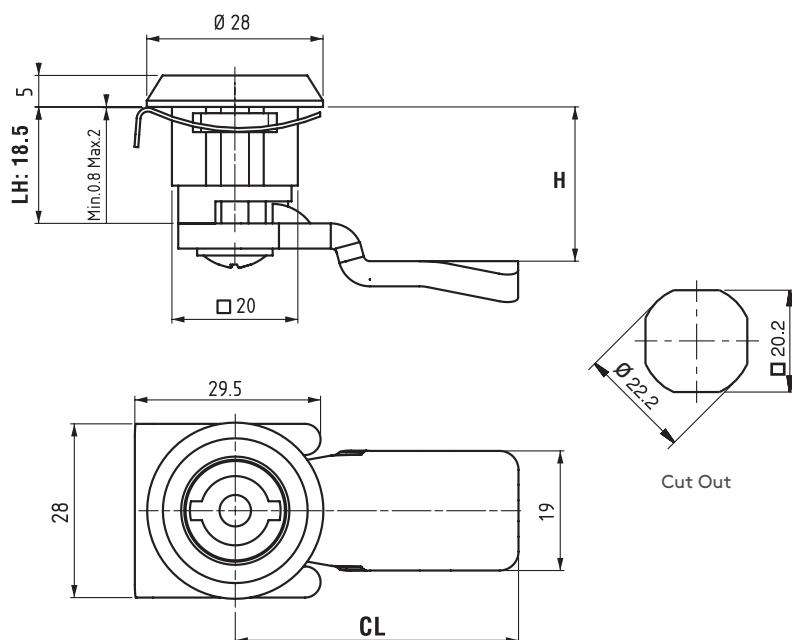
- Easy assembly by clips
- Specially designed internal spring provides 1.5 mm torsion
- Can be used for panel thickness 0.8 to 2 mm
- Please contact Essentra Components for special colours

APPLICATIONS

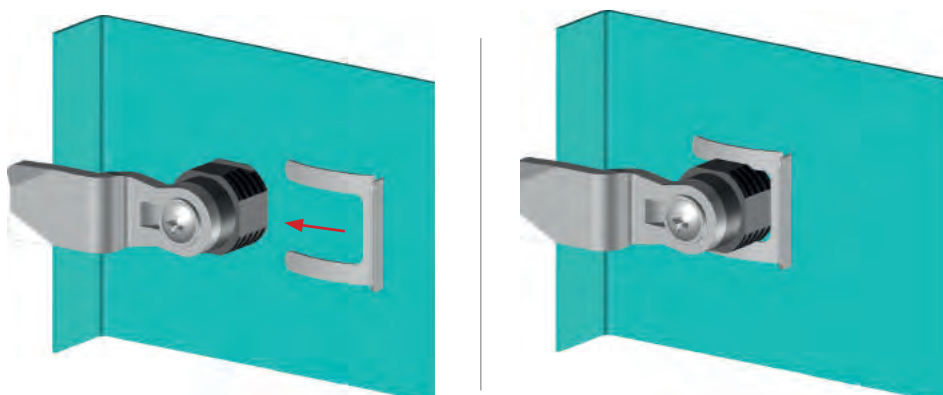
Electric panels, machinery covers,

MATERIAL

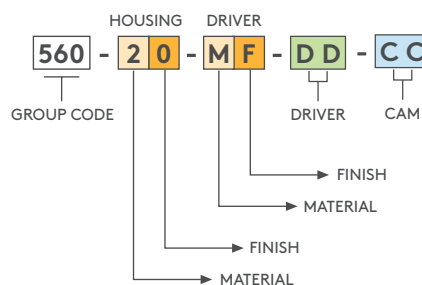
HOUSING: PA6 GFR 30
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
 CAM: Steel or Plastic



Easy fixing



PRODUCT CODE



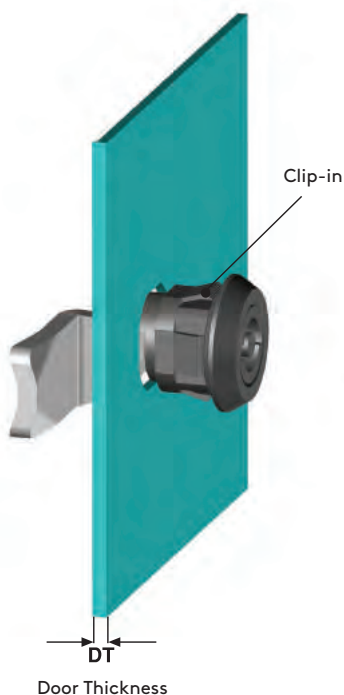
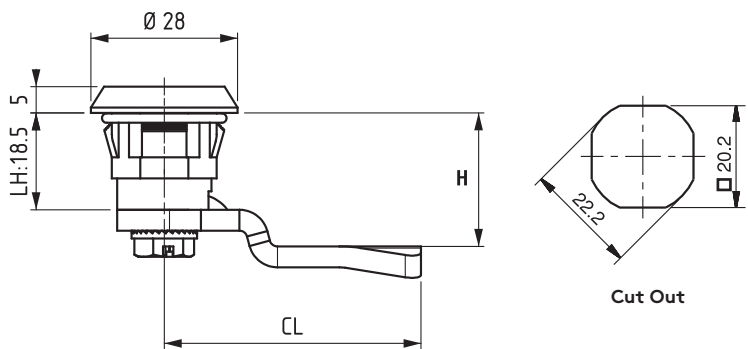
MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

 For cams please check pages: 144 - 145

 For drivers please check page: 166

 For keys please check pages : 162 - 163



Door Thickness	Version
for 0.8 -1.2 mm panels	1
for 1.2 -1.5 mm panels	2
for 1.5 - 2 mm panels	3 *

* in this version IP 65 is not available

660

QUARTER TURN – EASY FIXING



IP 65



LH/RH

RoHS



- Easy assembly by clips
- Mounting nut not required.
- Specially designed internal spring provides 1.5 mm torsion
- Can be used for panel thickness 0.8 to 2 mm
- Please contact Essentra Components for special colours

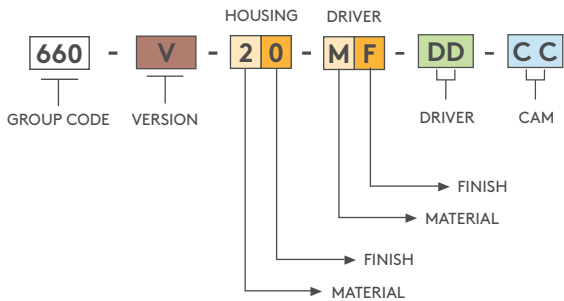
APPLICATIONS

Electric panels, machinery covers,

MATERIAL

HOUSING: PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel or Plastic

PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

- For cams please check pages: 144 - 145
- For drivers please check page: 166
- For keys please check pages : 162 - 163



QUARTER-TURN LOCKS

QUARTER TURN – WING KNOB

062

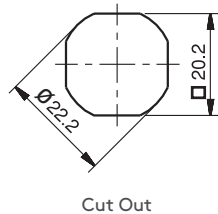
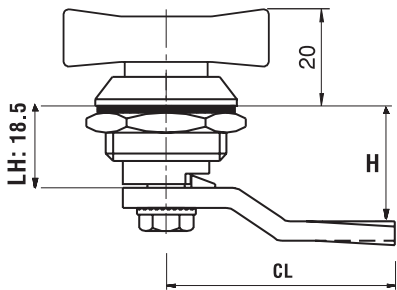


IP 65



LH/RH

RoHS



- Wing operates lock and serves as knob

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN

1774-ZnAl4Cu1

or PA6 GFR 30

KNOB:

Zamak DIN-EN

1774-ZnAl4Cu1

or PA6 GFR 30

CAM:

Steel or Plastic

GASKET:

Rubber

FINISH

Chrome or Black coated

062 1-1-CC
ZAMAK – CHROME



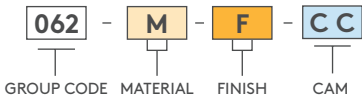
062 1-2-CC
ZAMAK – BLACK COATED



062 2-0-CC
PLASTIC

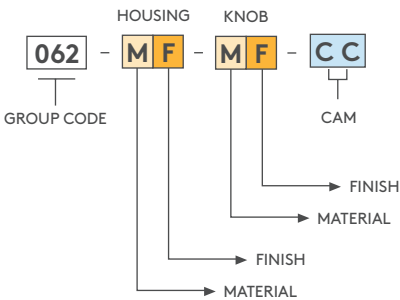


PRODUCT CODE

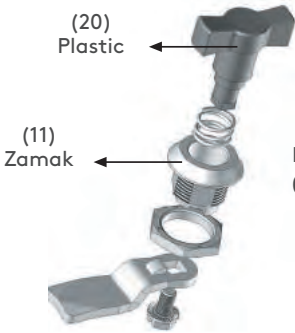


MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

For mixed material and finish lock orders, please use the following coding system:



EXAMPLE



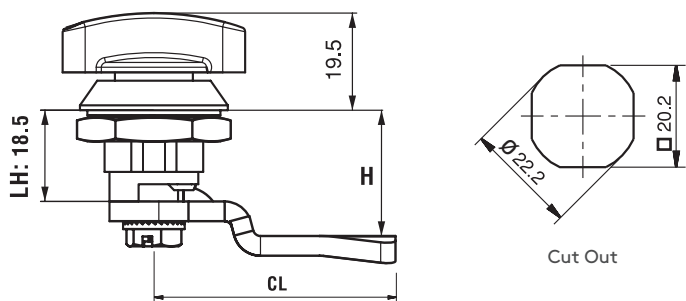
PRODUCT CODE
062 11-20-42



For cams please check pages: 144 - 145



For rods please check pages: 150 - 161



362

QUARTER TURN – WING KNOB

IP 65



LH/RH

RoHS



- Wing operates lock and serves as knob

362 1-1-CC
ZAMAK – CHROME



362 1-2-CC
ZAMAK – BLACK COATED



362 2-0-CC
PLASTIC

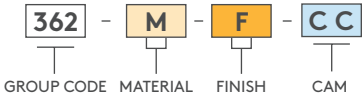


APPLICATIONS
Electric panels, machinery covers

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel or Plastic
GASKET: Rubber

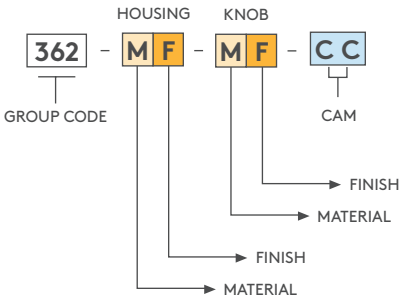
FINISH
Chrome or Black coated

PRODUCT CODE

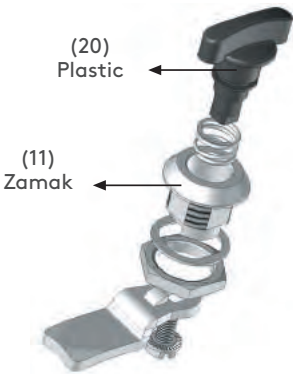


MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

For mixed material and finish lock orders, please use the following coding system:



EXAMPLE



PRODUCT CODE
362 11-20-42

- For cams please check pages: 144 - 145
- For rods please check pages: 150 - 161

QUARTER-TURN LOCKS

PADLOCKABLE WING KNOB

562



LH/RH

RoHS

- Maximum shackle diameter is 10 mm for 11 mm hole
- Maximum shackle diameter is 6 mm for 8.5 mm hole

APPLICATIONS

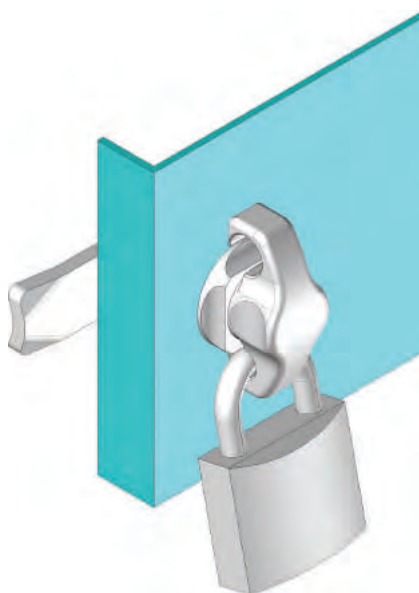
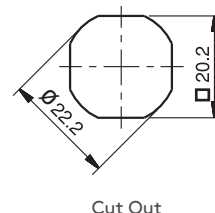
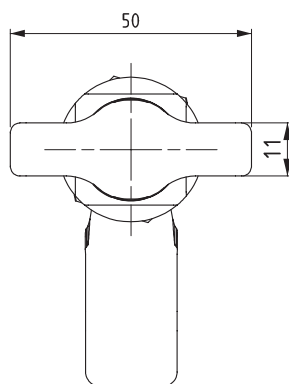
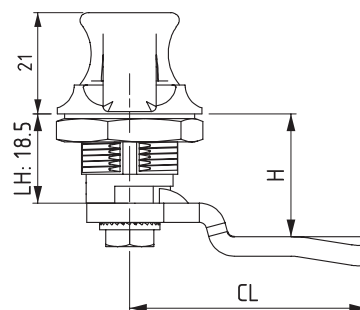
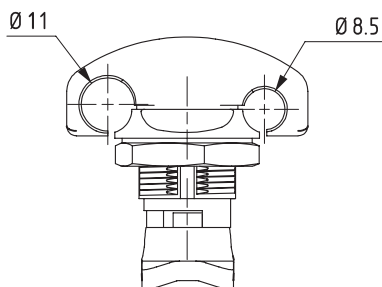
Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Steel

FINISH

Chrome or Black coated



For cams please check pages: 144 - 145

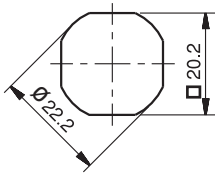
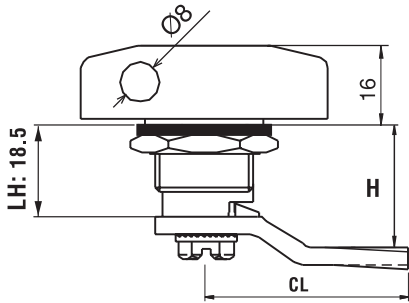


For rods please check pages: 150 - 161

FINISH	F
Chrome	1
Black coated	2

PRODUCT CODE

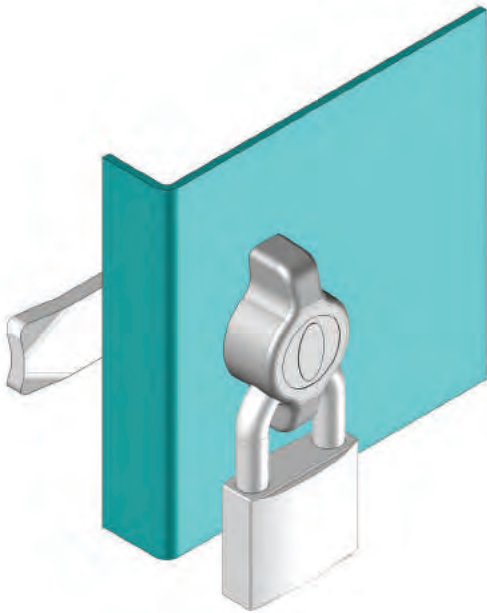
562	-	F	-	CC
GROUP CODE		FINISH		CAM



262 .1
ZAMAK – CHROME



262. 2
ZAMAK – BLACK COATED



262

PADLOCKABLE WING KNOB



LH

RH

RoHS



- Padlockable wing knob. Maximum shackle diameter 6 mm

APPLICATIONS

Electric panels, machinery covers

MATERIAL

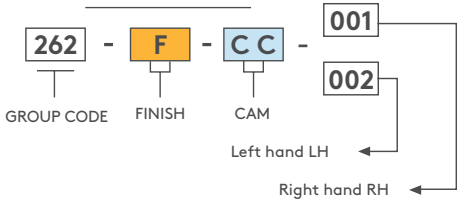
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH

Chrome or Black coated

FINISH	F
Chrome	1
Black coated	2

PRODUCT CODE



For cams please check pages: 144 - 145



For rods please check pages: 150 - 161

QUARTER-TURN LOCKS

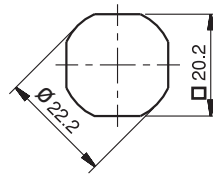
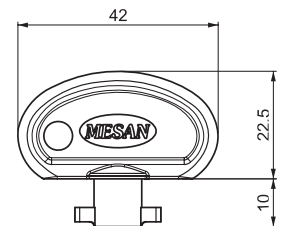
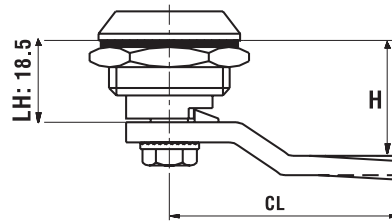
SECURE QUARTER TURN

361

IP 65

LH/RH

RoHS



Cut Out



- When lock is open, key functions as a knob
- Key is specific to this lock and should be ordered at same time

APPLICATIONS

Electric panels, machinery covers,

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

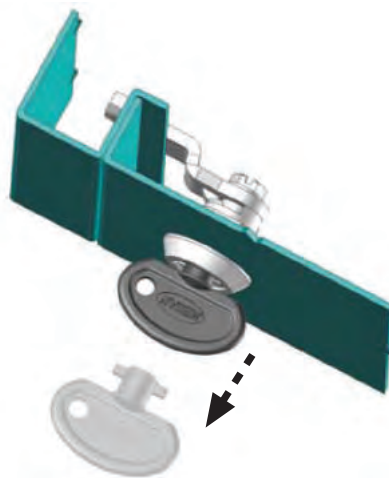
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

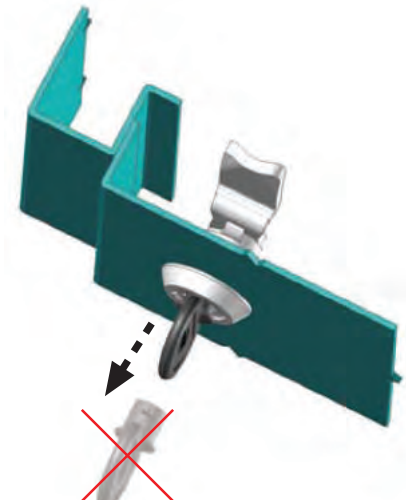
GASKET: Rubber

FINISH

Chrome or Black coated



Key is removable at locked position



Key is not removable at open position; it works like a knob

Lock

PRODUCT CODE

361	-	1	-	F	-	CC
GROUP CODE		MATERIAL		FINISH		CAM

Key

PRODUCT CODE

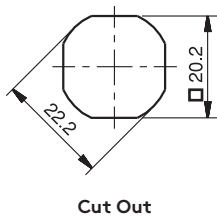
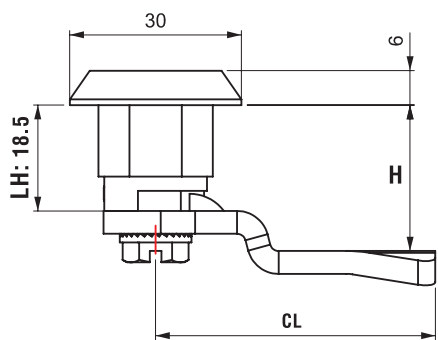
167	-	1	-	F
GROUP CODE		MATERIAL		FINISH

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2



For cams please check pages: 144 - 145



461

New

LH/RH

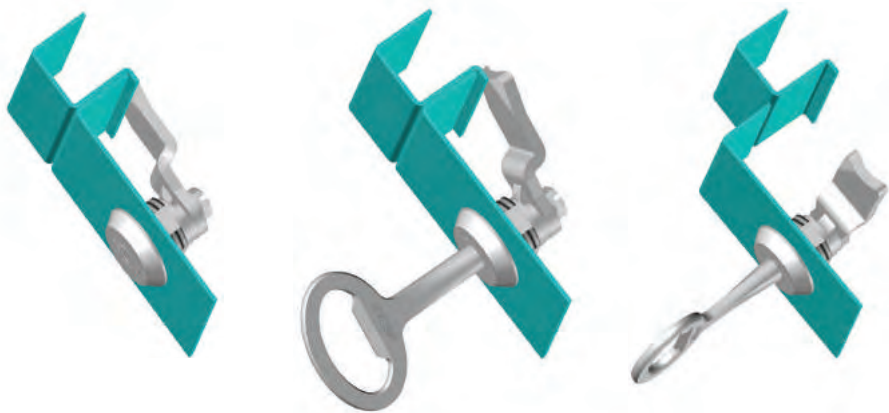


SECURE QUARTER TURN

- When lock is open, key functions as a knob.

APPLICATIONS
Electric panels, machinery covers,

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber



Key is removable at locked position Key is not removable at open position, it works like a knob.

DRIVERS		
5 mm Double bit	8 mm Square	Fiat
15	96	95

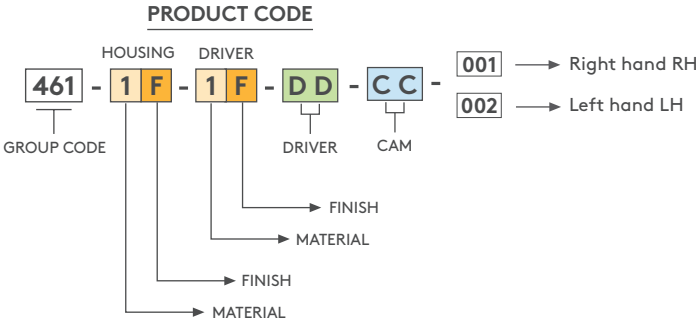
SPECIAL KEYS



368-96
8 mm Square



368-95
Fiat



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

For cams please check pages: 144 - 145

QUARTER-TURN LOCKS

QUARTER TURN - SPRING LOADED

760



IP 65



LH/RH



RoHS

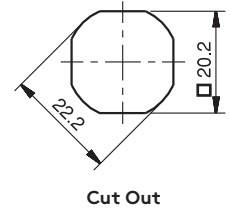
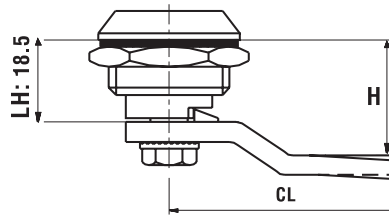
- Specially designed internal spring provides 1.5mm of compression.
- Cam does not rotate beyond quarter turn due to stop lip.

APPLICATIONS

Electric panels, machinery covers,

MATERIAL

HOUSING: PA6 GFR 30
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
 CAM: Steel or plastic
 GASKET: Polyurethane



760 20-11-DD-CC
 DD: ZAMAK - CHROME



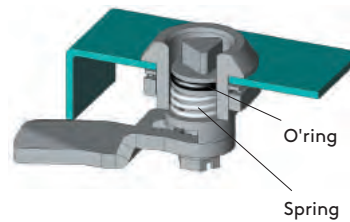
760 20-12-DD-CC
 DD: ZAMAK - BLACK



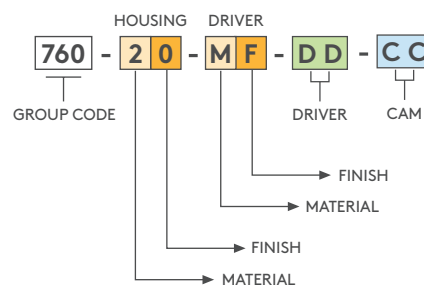
760 20-20-DD-CC
 DD: PLASTIC



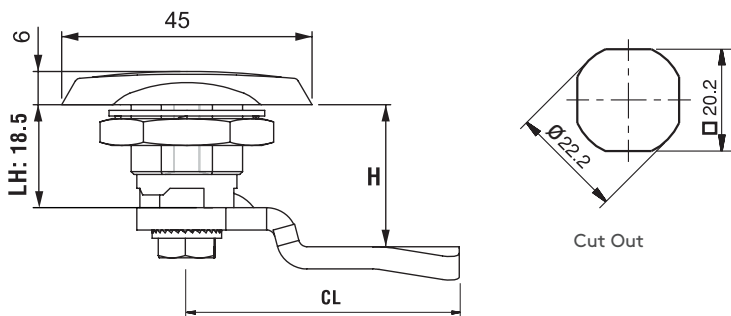
Sealing in plastic housing.
 This application aims to improve the sealing level in quarter turns.



PRODUCT CODE



-  For cams please check pages: 144 - 145
-  For drivers please check page: 166
-  For keys please check pages : 162 - 163



561

KNOB LOCK (Plastic)

IP 65



LH/RH

RoHS



- Designed to act as a knob.
- For special colours, please contact Essentra

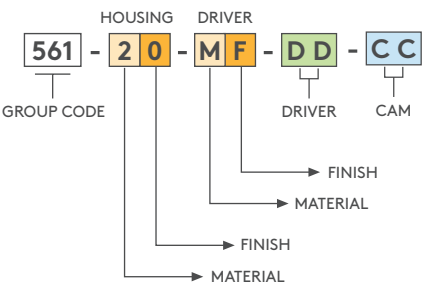
APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
DRIVER: Zamak or PA6 GFR 30
NUT: Zamak or PA6 GFR 30
CAM: Steel or Plastic

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

- For cams please check pages: 144 - 145
- For drivers please check page: 166
- For keys please check pages : 162 - 163

QUARTER-TURN LOCKS

KNOB LOCK (Plastic)

161

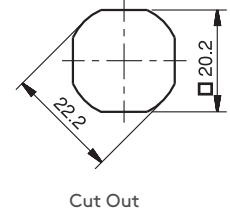
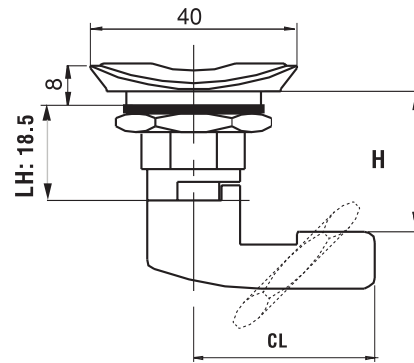


IP 65



LH/RH

RoHS



- Designed to act as a knob
- For special colours, please contact Essentra

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

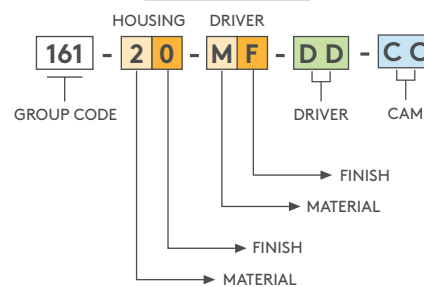
DRIVER: Zamak or PA6 GFR 30

NUT: Zamak or PA6 GFR 30

CAM: Steel or Plastic



PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0



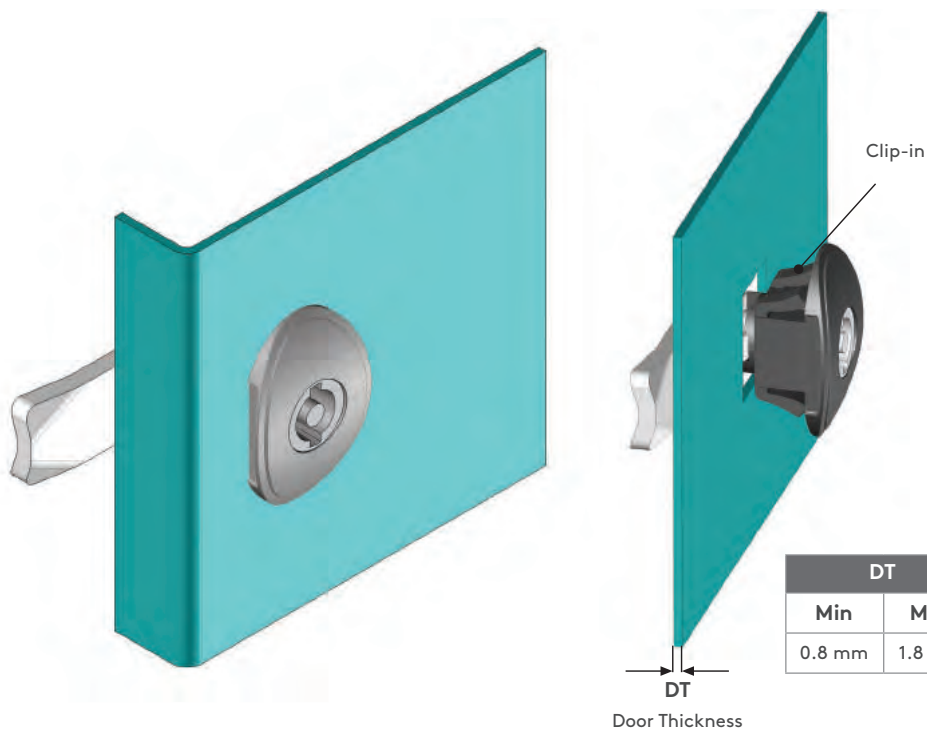
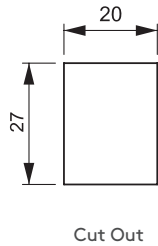
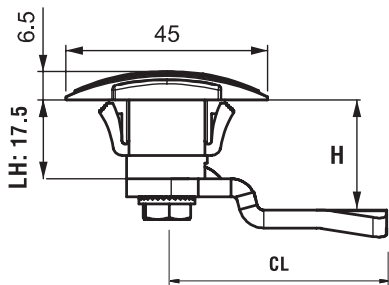
For cams please check pages: 144 - 145



For drivers please check page: 166



For keys please check pages : 162 - 163



DT	
Min	Max
0.8 mm	1.8 mm

Door Thickness

261

KNOB LOCK (Plastic)

LH/RH

RoHS



- Clip fixing for easy assembly
- Mounting nut not required
- Special 20 mm x 26 mm cut out
- There is no IP 65 version of this lock
- 1.8 mm maximum panel thickness

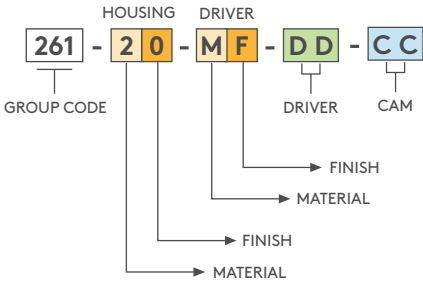
APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
DRIVER: Zamak or PA6 GFR 30
CAM: Steel or Plastic

PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

- For cams please check pages: 144 - 145
- For drivers please check page: 166
- For keys please check pages : 162 - 163



QUARTER-TURN LOCKS

QUARTER TURN – SPRING CAM

160



LH

RH

RoHS

- 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

APPLICATIONS

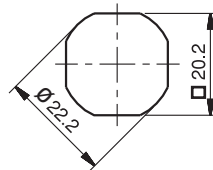
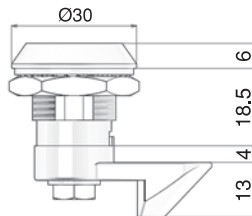
Electric panels, machinery covers

MATERIAL

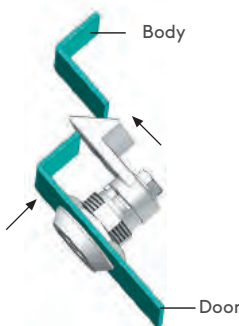
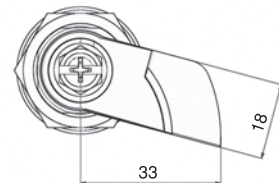
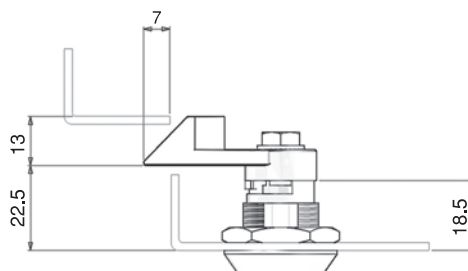
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu11
GASKET: Rubber

FINISH

Chrome



Cut Out



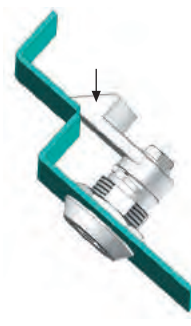
Position 1

Push the door



Position 2

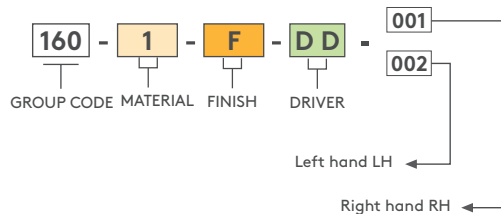
Cam will move upright when touches the body



Position 3

When the cam is free, cam will move down right by spring and the door will lock

PRODUCT CODE



MATERIAL	M
Zamak	1

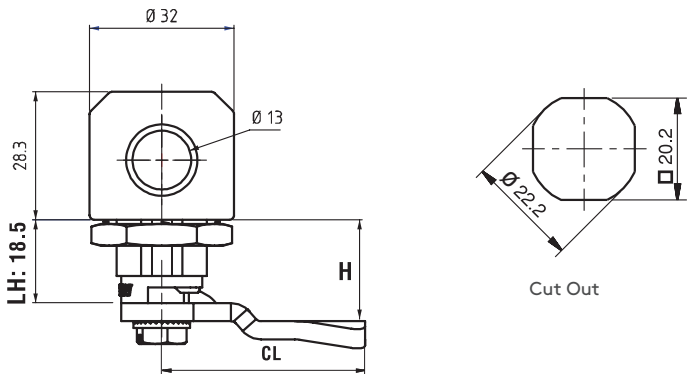
FINISH	F
Chrome	1
Black coated	2



For drivers please check page: 166



For keys please check pages : 162 - 163



Application 1



Application 2



260

QUARTER TURN –
PADLOCKABLE

IP 65



LH/RH

RoHS



- Padlockable version
- Can be used with different drivers

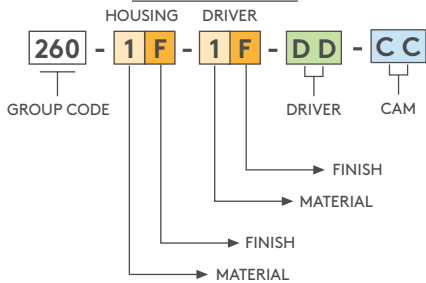
APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM : Steel
GASKET: Rubber

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

- For cams please check pages: 144 - 145
- For drivers please check page: 166
- For keys please check pages : 162 - 163

▶ QUARTER-TURN LOCKS

PACO LOCK

162



LH/RH

RoHS

- Paco type knob

APPLICATIONS

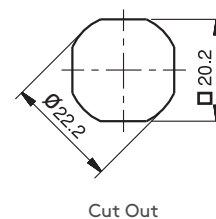
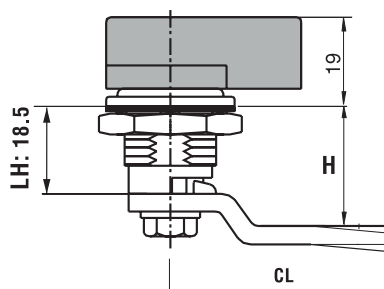
Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN
1774-ZnAl4Cu1
KNOB: PA6 GFR 30
CAM: Steel or Plastic
GASKET: Rubber

FINISH

Chrome



PRODUCT CODE

162 - CC

GROUP CODE CAM



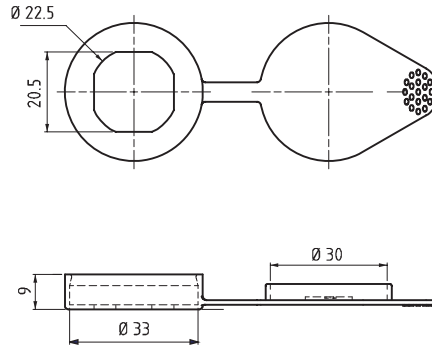
For cams please check pages: 144 - 145



For rods please check pages: 150 - 161

060 A7

DUST CAP

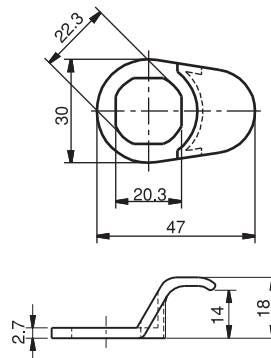


- Recommended when dust and humidity protection required
- Can be ordered separately

MATERIAL
Polyurethane

060 A2

LOCK HANDLE



- Allows lock to be fitted to thick doors
- Easy fixing for isolated doors

MATERIAL
PA6 GFR 30

QUARTER-TURN LOCKS

FIXING DEVICE

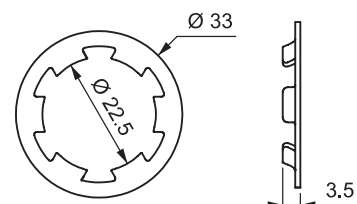
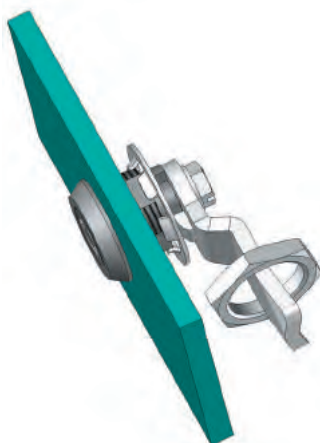
060 A3



- Prevents rotation
- For applications subject to vibration

MATERIAL
Steel

FINISH
Zinc plated



PADLOCK ADAPTER

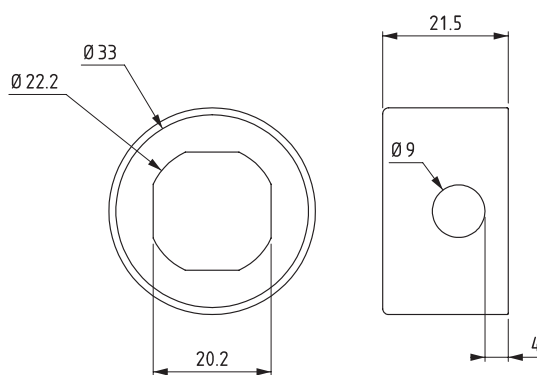
060 A8



- Max. shackle diameters is 8 mm

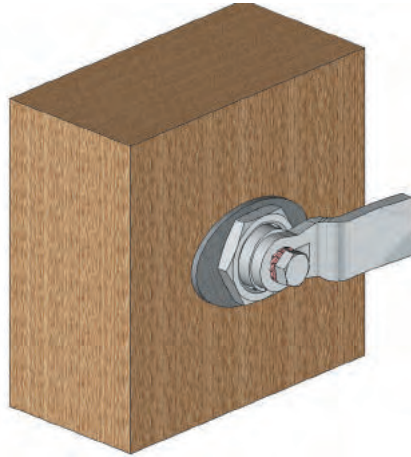
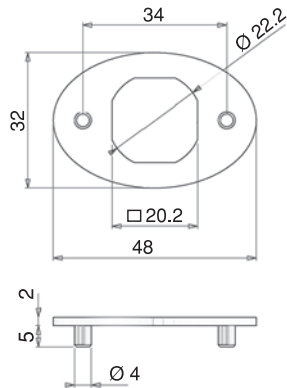
MATERIAL
Steel

FINISH
Zinc plated



060 A5

FIXING DEVICE



- Fixing device for wooden applications

APPLICATIONS

Wooden panels

MATERIAL

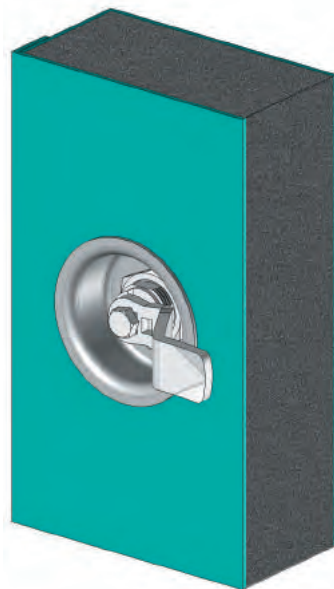
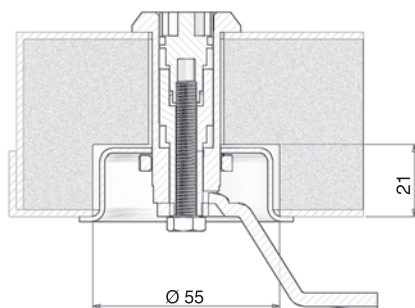
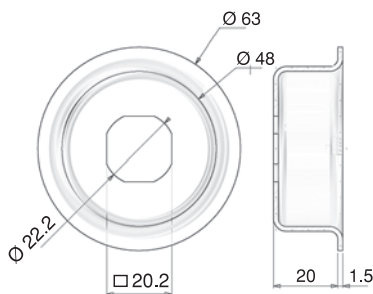
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Zinc plated

060 A6

SPACER



- Allows lock to be fitted to thick doors
- Easy fixing for isolated doors

APPLICATIONS

Isolated covers

MATERIAL

Steel

FINISH

Zinc plated



QUARTER-TURN LOCKS

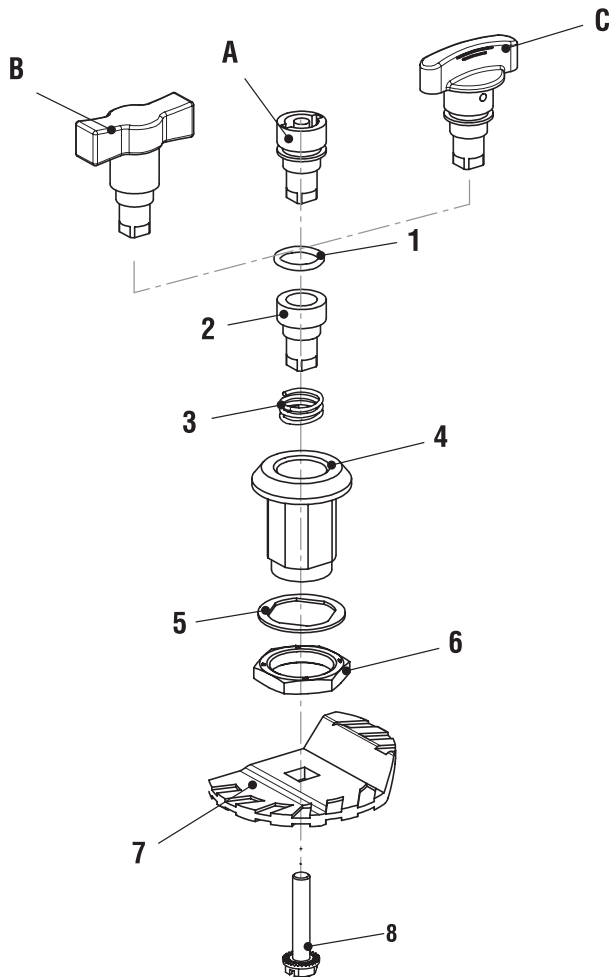


ASSEMBLY

QUARTER-TURN LOCKS

064

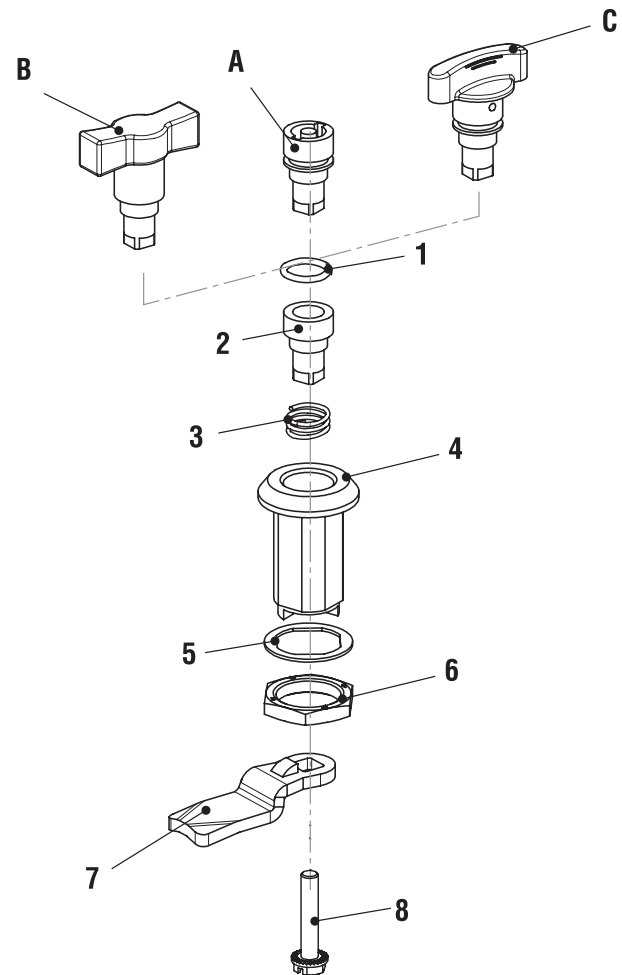
Stepped cam



A: Driver (060 system), zamak
B: Knob (062 system), zamak
C: Knob (362 system), zamak

- 1: O-ring (Ip 65)
- 2: Adapter
- 3: Spring
- 4: Housing (Ø 32), zamak
- 5: Sealing washer
- 6: Nut, zamak
- 7: Stepped cam
- 8: Screw M6 (COMBI)

Quarter turn



A: Driver (060 system), zamak
B: Knob (062 system), zamak
C: Knob (362 system), zamak

- 1: O-ring (Ip 65)
- 2: Adapter
- 3: Spring
- 4: Housing (Ø 32), zamak
- 5: Sealing washer
- 6: Nut, zamak
- 7: Cam
- 8: Screw M6 (COMBI)

▶ QUARTER-TURN LOCKS

STEPPED COVER LOCK

064



IP 65



LH/RH

RoHS

- For soundproof or isolated doors
- Tight closure achievable with 270° cam rotation and stepped cam
- Lock supplied with standard housing

APPLICATIONS

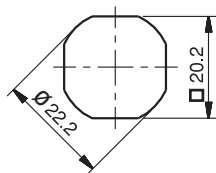
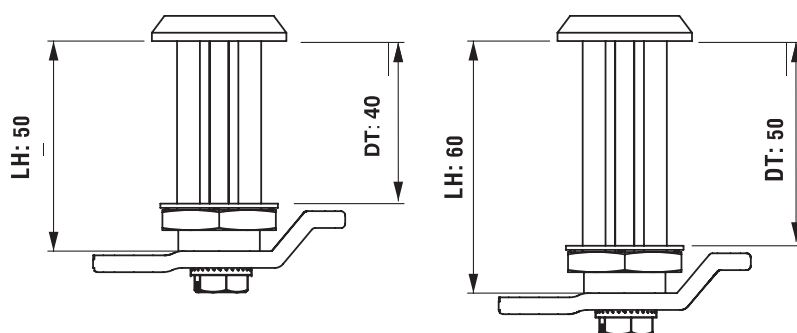
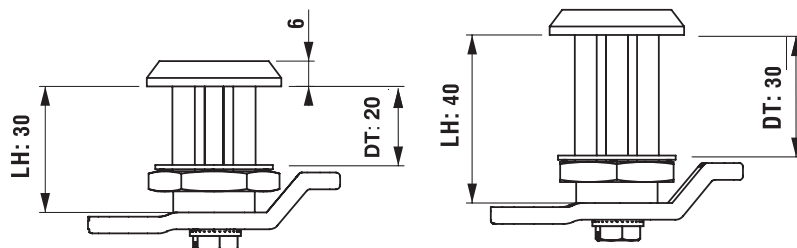
Central air conditioning units, isolated panels

MATERIAL

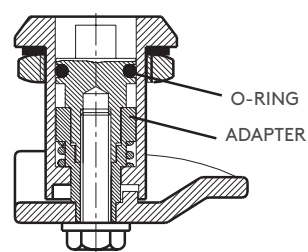
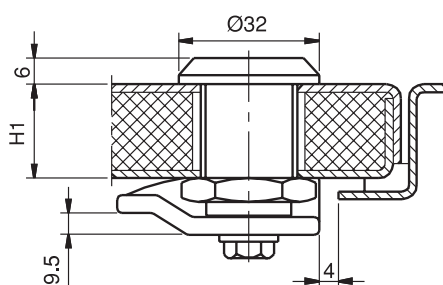
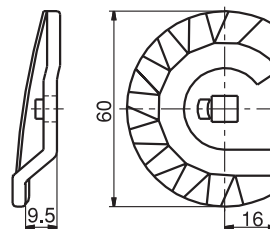
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Zamak DIN-EN 1774-ZnAl4Cu1
 GASKET: Rubber

FINISH

Chrome or Black coated



Cut Out



PRODUCT CODE

064 - 1 - F - DD - DT - 99
 GROUP CODE MATERIAL FINISH DRIVER DOOR THICKNESS CAM

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2



For drivers please check pages: 166



For keys please check pages : 162 - 163

064

QUARTER TURN –
SPRING LOADED

IP 65

LH/RH

RoHS



- Stainless steel version: page: 437
- For soundproof or isolated doors
- Supplied with standard housing

APPLICATIONS

Wooden panels, isolated covers

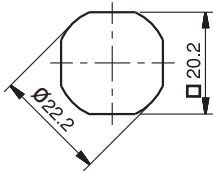
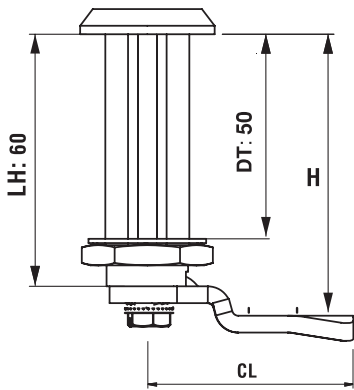
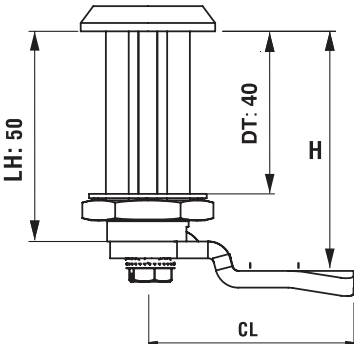
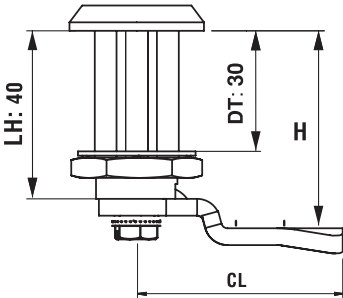
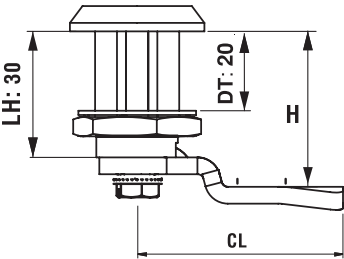
MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber

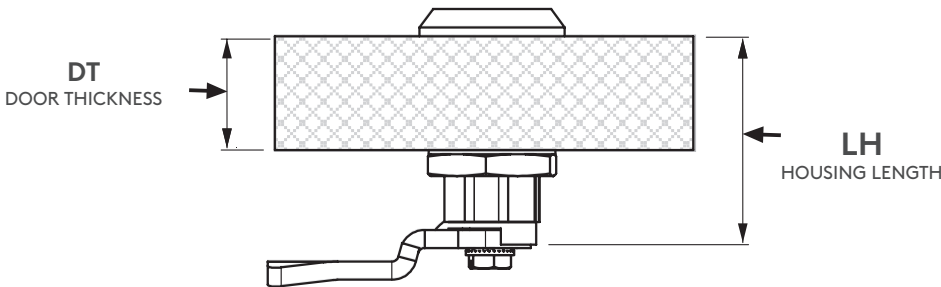
FINISH

Chrome or Black coated

- For cams please check pages: 144 - 145
- For drivers please check page: 166
- For keys please check pages : 162 - 163



Cut Out



PRODUCT CODE

064 - 1 - F - DD - DT - CC
GROUP CODE MATERIAL FINISH DRIVER DOOR THICKNESS CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

QUARTER-TURN LOCKS

QUARTER TURN – WING KNOB

064



IP 65



LH/RH

RoHS

- For soundproof or isolated doors
- Supplied with standard housing

APPLICATIONS

Wooden panels, isolated covers

MATERIAL

HOUSING: Zamak DIN-EN

1774-ZnAl4Cu1

DRIVER:

Zamak DIN-EN

1774-ZnAl4Cu1

CAM:

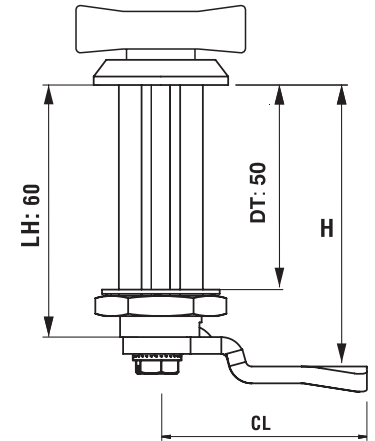
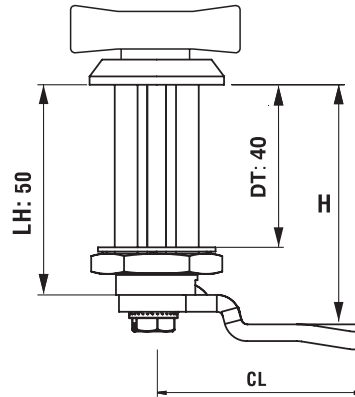
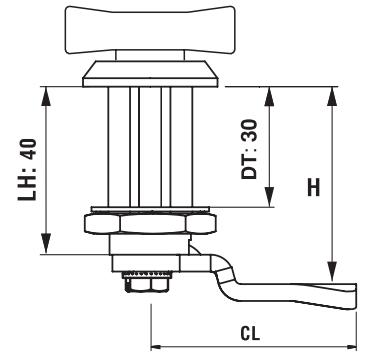
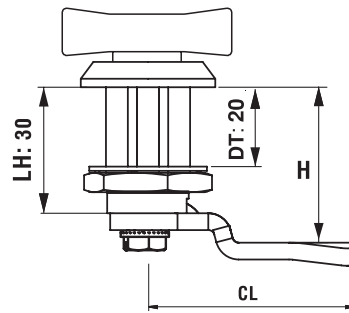
Steel

GASKET:

Rubber

FINISH

Chrome or Black coated



064 062-DT-1-1-CC
ZAMAK – CHROME

064 062-DT-1-2-CC
ZAMAK – BLACK COATED



PRODUCT CODE

064	-	062	-	DT	-	1	-	F	-	CC
GROUP CODE		KNOB		DOOR THICKNESS		MATERIAL		FINISH		CAM

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2



For cams please check pages: 144 - 145



For rods please check pages: 150 - 161

064

QUARTER TURN – WING KNOB

IP 65



LH/RH

RoHS

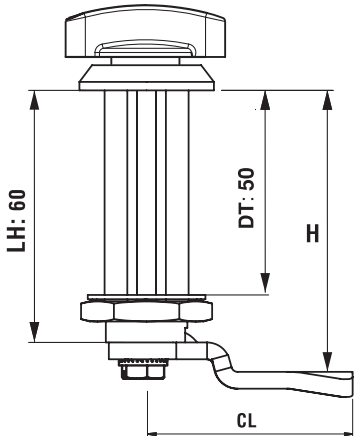
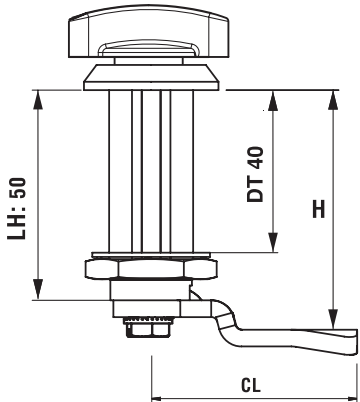
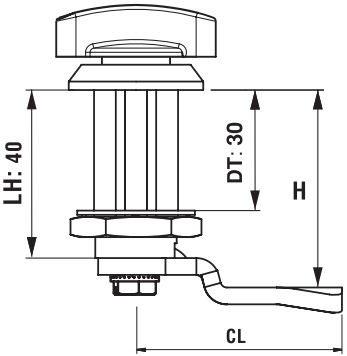
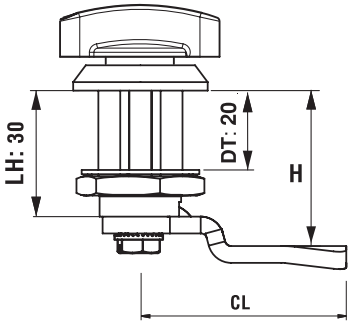


- For sound-proof or isolated doors
- Supplied with standard housing

APPLICATIONS
Wooden panels, isolated covers

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber

FINISH
Chrome or Black coated



064 362-DT-1-1-CC
ZAMAK – CHROME

064 362-DT-1-2-CC
ZAMAK – BLACK COATED



PRODUCT CODE

064	-	362	-	DT	-	1	-	F	-	CC
GROUP CODE		KNOB		DOOR THICKNESS		MATERIAL		FINISH		CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

For cams please check pages: 144 - 145
For rods please check pages: 150 - 161

QUARTER-TURN LOCKS

COMPRESSION LOCK

040

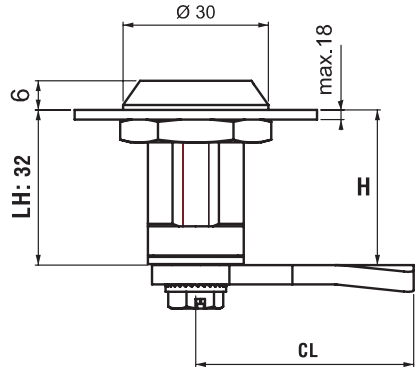
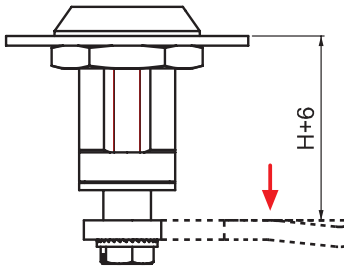


IP 65

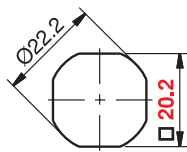


LH/RH

RoHS

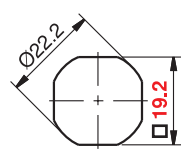


V :1



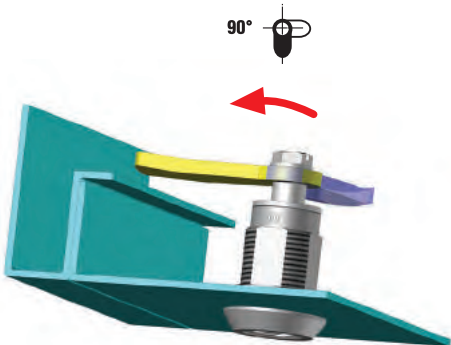
Standard
Cut Out

V :3



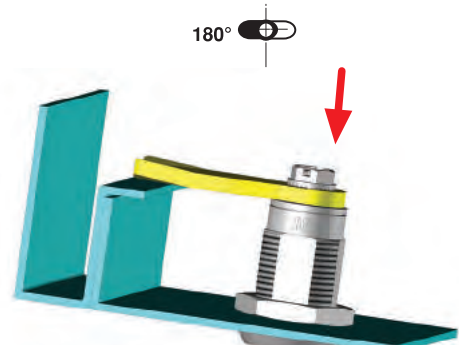
Attention

Special
Cut Out



Unlock position

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



Lock position

Further key rotation 180° applies compression

- **Stainless Steel version: page 438**
- Used for cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Provides noise isolation
- Alternative 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
- Sealing glue is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

APPLICATIONS

Electric panels, machinery covers, railway applications, construction equipment

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

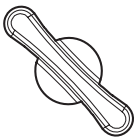
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

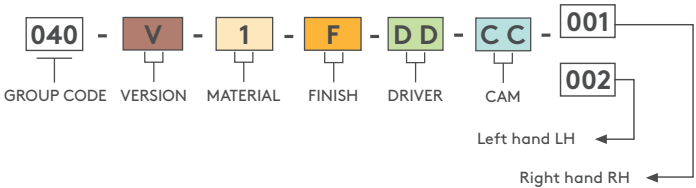
GASKET: Rubber

FINISH

Chrome or Black coated

Knob	Drivers				
	3 mm Double bit	5 mm Double bit	Tubular key	8 mm Hexagon	8 mm Hexagon with security pin
	DD 13	DD 15	DD 93	DD 68	DD 69
	Railway	8 mm Square	2X4 mm Slot	7 mm Triangular	8 mm Triangular
	DD 88	DD 28	DD 42	DD 37	DD 38

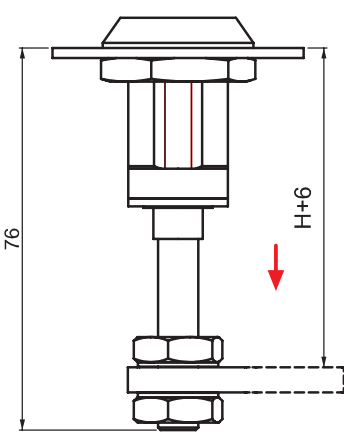
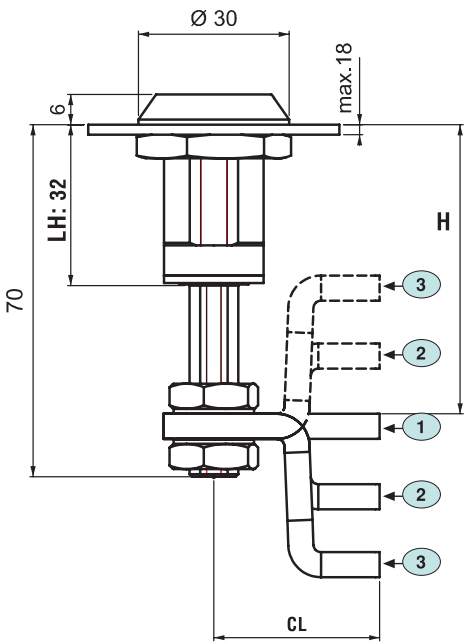
PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

- For cams please check pages: 146 - 147
- For keys please check pages : 162 - 163



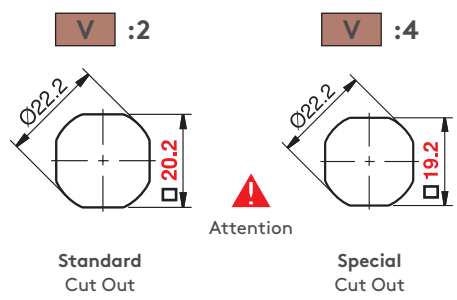
040

COMPRESSION LOCK

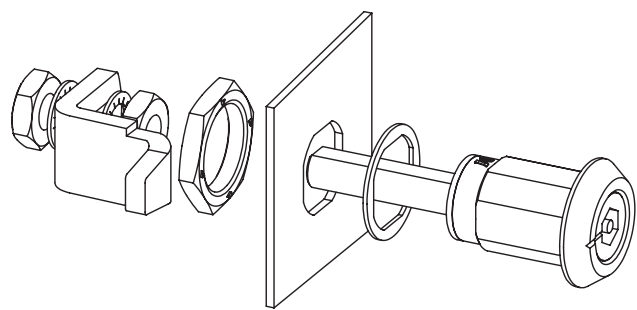
- IP 65
- LH/RH
- RoHS



NOB	CC	CH	CL	H GRIP	MIN	MAX
1	01	0	33	41	58	
2	02	14	33	27	72	
3	03	27.5	33	13.5	85	



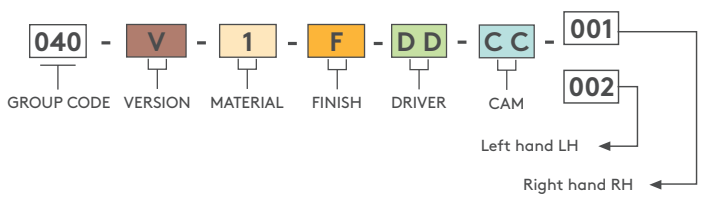
- Used for cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Wide grip range with adjustable screw
- Provides noise isolation.
- Different drivers / cams available
- Three cam alternatives available
- The lock has been tested according to the DIN EN 61373 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
- Sealing glue is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N



APPLICATIONS
Electric panels, machinery covers, railway applications, construction equipment.

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

060 A3

FIXING DEVICE



- Can be ordered separately



QUARTER-TURN LOCKS

MINI COMPRESSION LOCK

140



IP 65



LH/RH

RoHS

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

APPLICATIONS

Electric panels, machinery covers, railway applications, construction equipment

MATERIAL

HOUSING : Zamak DIN-EN

1774-ZnAl4Cu1

DRIVER:

Zamak DIN-EN

1774-ZnAl4Cu1

CAM:

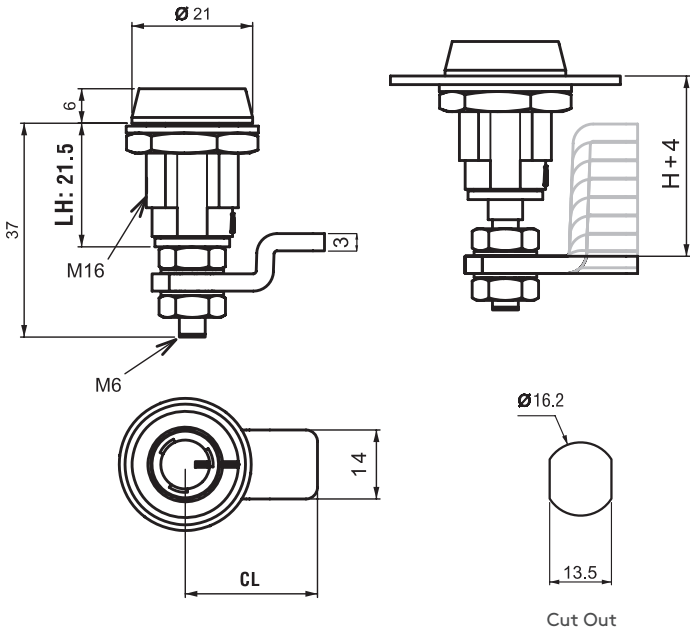
Steel

GASKET:

Rubber

FINISH

Chrome or black coated



KNOB		CC	CH	CL	H GRIP	
					MIN	MAX
1		01	0	23	26.2	29.4
2		02	1	23	25.2	28.4
3		03	3.8	23	22.4	25.6
4		04	7	23	19.2	22.4
5		05	10.2	23	16	19.2
6		06	13.4	23	12.8	16
7		07	16.6	23	9.6	12.8
8		08	19.8	23	6.4	9.6
9		09	23	23	3.2	6.4

KNOB	
DD	
94	

DRIVERS	
Tubular key	
DD	
93	
4 mm Hexagon	
DD	
64	
Slot	
DD	
45	

DUST CAP

140 A1



(Order separately)

MATERIAL : Polyurethane

PRODUCT CODE

140	-	1	-	F	-	DD	-	CC
GROUP CODE		MATERIAL		FINISH		DRIVER		CAM

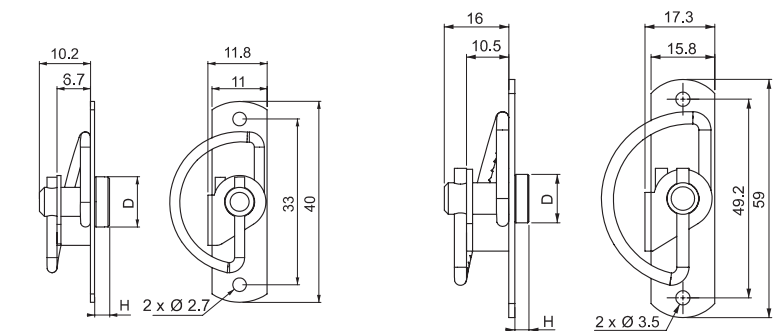
MATERIAL		FINISH	
Zamak	M	Chrome	F
	1	Black coated	2

045

COMPRESSION - SPRING LATCH

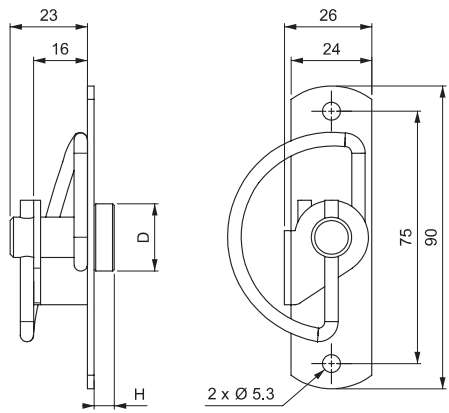


RoHS

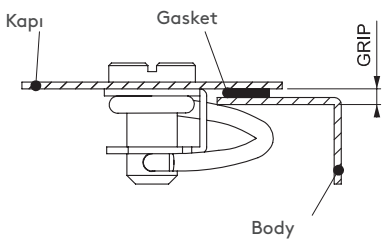


Small

Medium



Large



- Stainless Steel version: page 443
- Fix small panels to frame with ease
- Quarter-turn locking
- Easy assembly
- For doors with a bend of 24 mm

MATERIAL

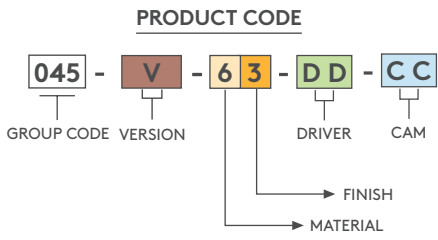
BODY: Steel
DRIVER: Steel
SPRING: Stainless steel

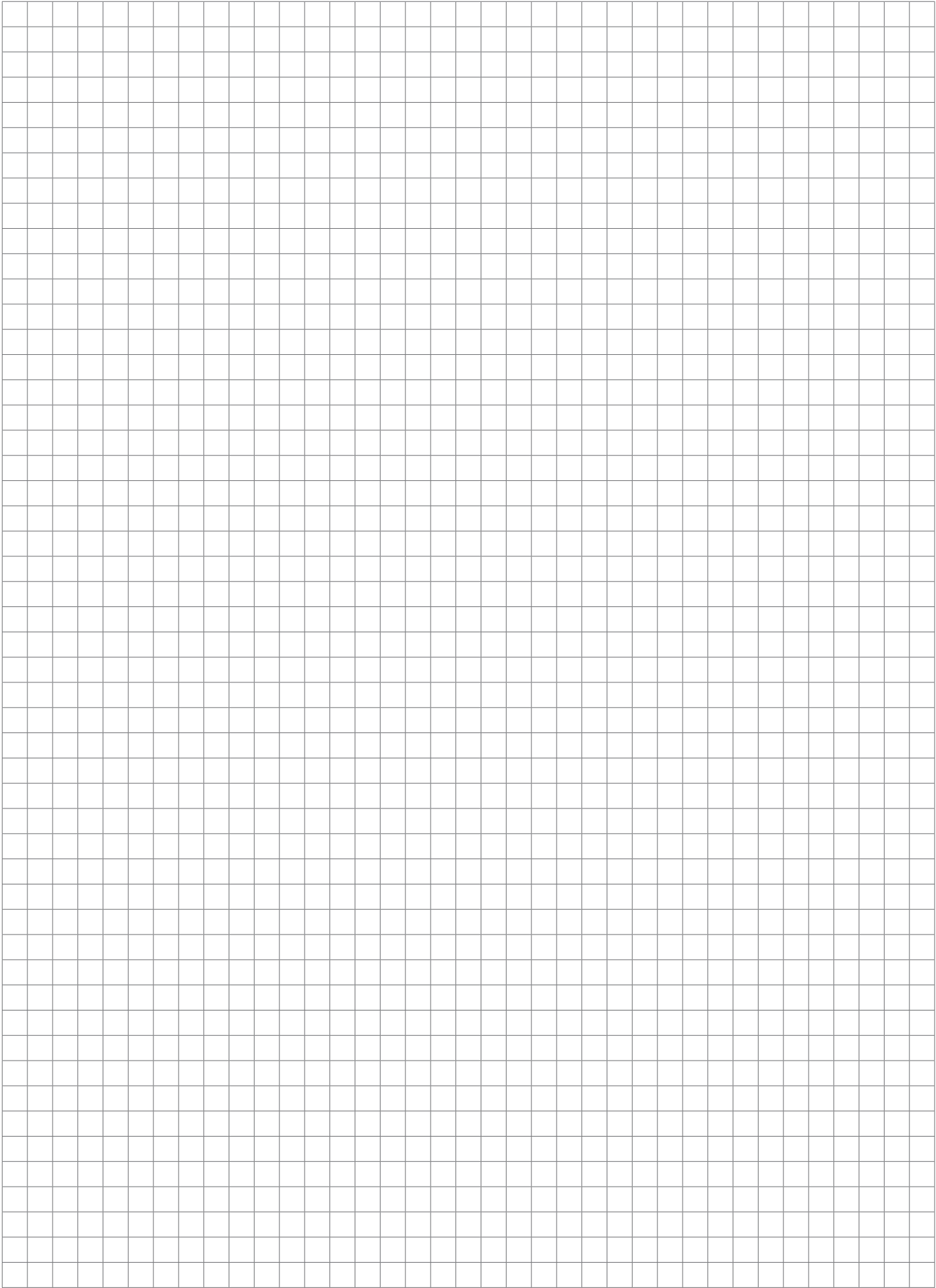
DRIVER				
DD	Driver name		Version	DØ H
21	Hexagon Female - 4mm		2	12 3.5
31	Hexagon Female - 8mm		3	20 6
32	Slot - Large		3	20 5
22	Slot - Medium		2	12 3.5
12	Slot - Small		1	10 3
13	Knurled - Small		1	10.5 12
23	Knurled - Medium		2	13 17.5

CAM		
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

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

MATERIAL	F	FINISH	F
Steel	6	Zinc Plated	3



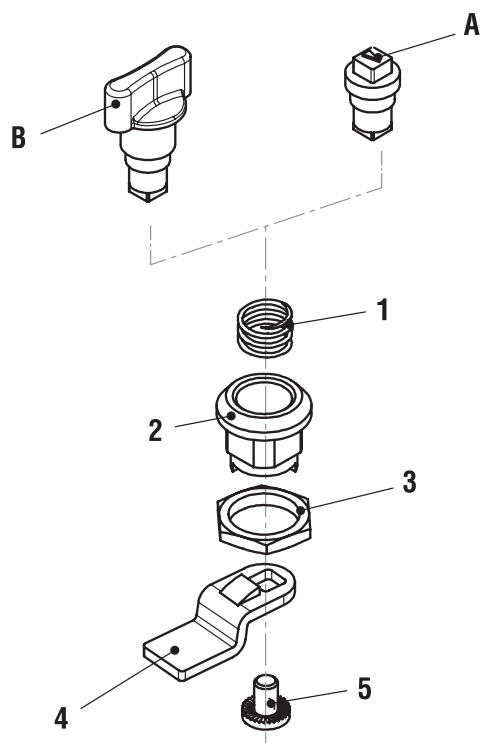


ASSEMBLY

QUARTER-TURN LOCKS

066

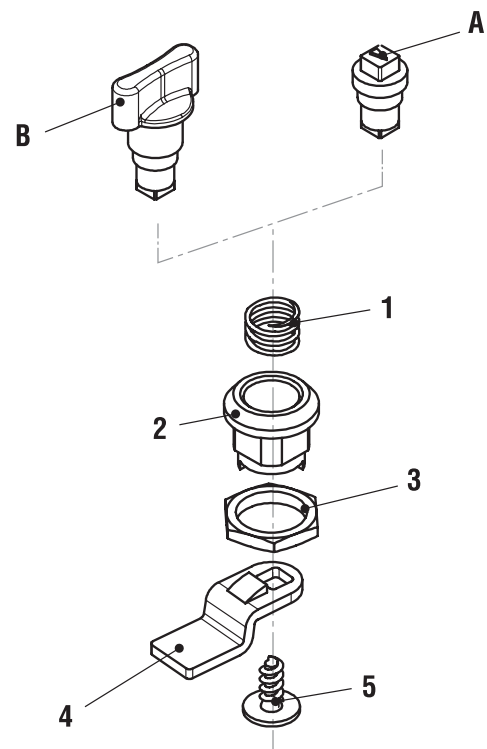
Zamak



A: Driver (066 system), zamak
B: Knob (166 system), zamak

- 1: Spring
- 2: Housing, (Ø 20) zamak
- 3: Nut, zamak
- 4: Cam
- 5: Screw

Plastic



A: Driver (066 system), plastic
B: Knob (166 system), plastic

- 1: Spring
- 2: Housing, (Ø 20) plastic
- 3: Nut, zamak
- 4: Cam
- 5: Screw

QUARTER-TURN LOCKS

MINI QUARTER TURN – EASY FIXING

366

New



LH/RH

RoHS

- Easy assembly by clips
- Specially designed internal spring provides 1 mm torsion

APPLICATIONS

Electric panels, machinery covers

MATERIAL

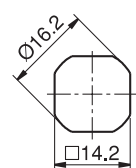
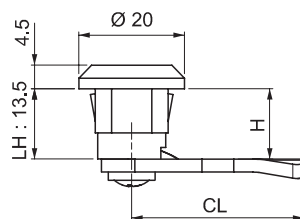
HOUSING: PA6 GFR 30
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
 CAM: Steel



Application Keys
 Code: 267

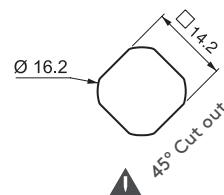
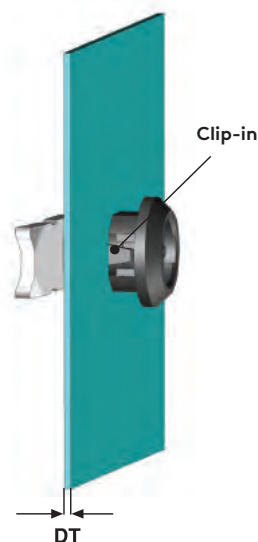
DRIVERS

DRIVERS			
6 mm Square		M	F
DD		1	1
		1	2
26		2	0
7 mm Triangular		M	F
DD		1	1
		1	2
37		2	0
Slot		M	F
DD		1	1
		1	2
42		2	0

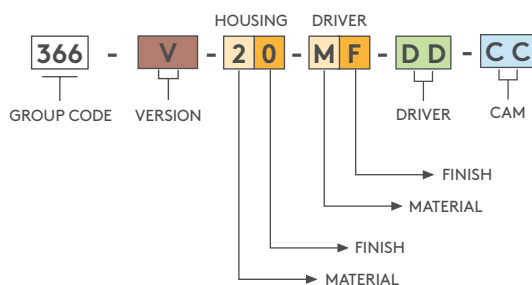


Standard cut out

V : 1



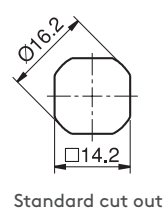
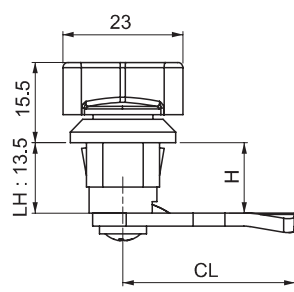
V : 2



MATERIAL	M
Zamak	1
Plastic	2

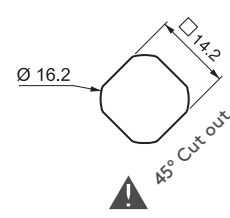
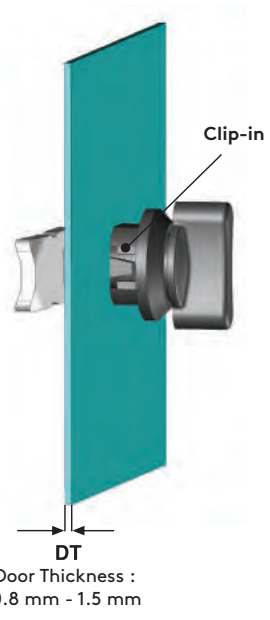
FINISH	F
Chrome	1
Black coated	2
No finish	0

 For cams please check page: 149



Standard cut out

V : 1



V : 2

566

MINI QUARTER TURN – EASY FIXING



LH/RH

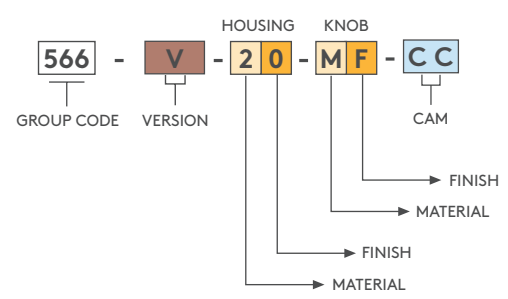
RoHS



- Easy assembly by clips
- Specially designed internal spring provides 1 mm torsion

APPLICATIONS
Electric panels, machinery covers

MATERIAL
HOUSING: PA6 GFR 30
KNOB: PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

For cams please check page: 149

QUARTER-TURN LOCKS

MINI QUARTER TURN – SPRING LOADED



066

IP 65



LH/RH

RoHS

- Stainless steel version: page 436
- Specially designed internal spring provides 1 mm torsion
- Sealing washer not supplied

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel



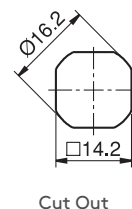
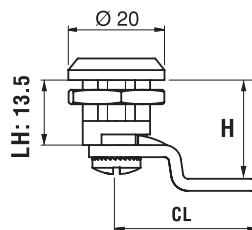
Application Keys
Code: 267

DRIVERS

6 mm Square		M	F
DD		1	1
		1	2
26		2	0
7 mm Triangular		M	F
DD		1	1
		1	2
37		2	0
Slot		M	F
DD		1	1
		1	2
42		2	0

 For cams please check page: 149

 For keys please check page: 162



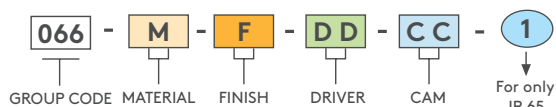
066 1-1-DD-CC
ZAMAK – CHROME

066 1-2-DD-CC
ZAMAK – BLACK COATED

066 2-0-DD-CC
PLASTIC

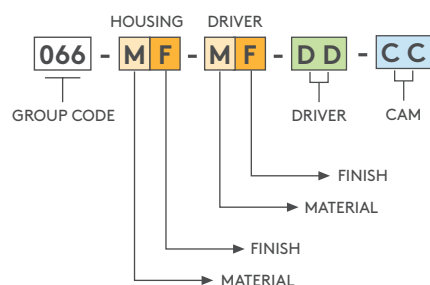


PRODUCT CODE

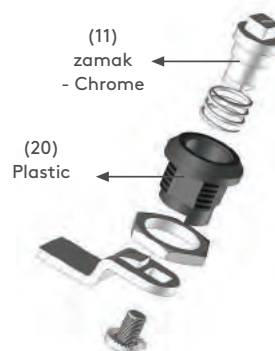


MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

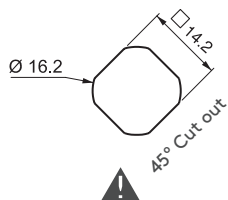
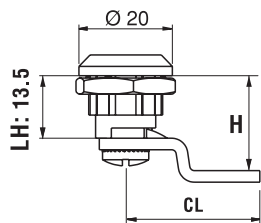
For mixed material and finish lock orders please use the following coding system



EXAMPLE



PRODUCT CODE
066 20-11-42-11



266

MINI QUARTER TURN –
SPRING LOADED

IP 65



LH/RH

RoHS



- Specially designed internal spring provides 1 mm torsion
- Sealing washer not supplied

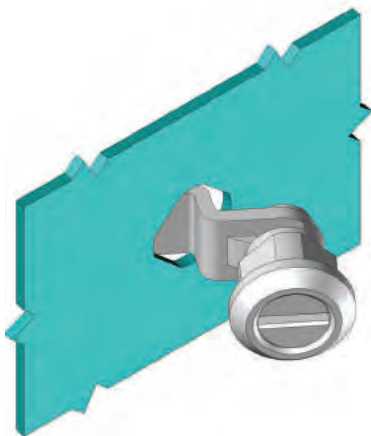
APPLICATIONS
Electric panels, machinery covers

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel

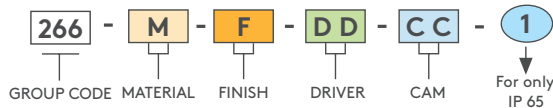
266 1-1-DD-CC
ZAMAK – CHROME

266 1-2-DD-CC
ZAMAK – BLACK COATED

266 2-0-DD-CC
PLASTIC



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

For cams please check page: 149
For keys please check page: 162

▶ QUARTER-TURN LOCKS

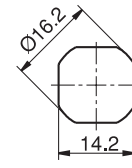
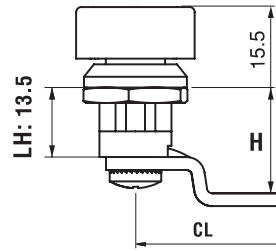
MINI QUARTER TURN – WING KNOB

166



LH/RH

RoHS



Cut Out

- Wing operates lock and serves as knob
- Sealing washer not supplied

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel

166 1-1-CC
ZAMAK – CHROME



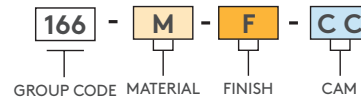
166 1-2-CC
ZAMAK – BLACK COATED



166 2-0-CC
PLASTIC



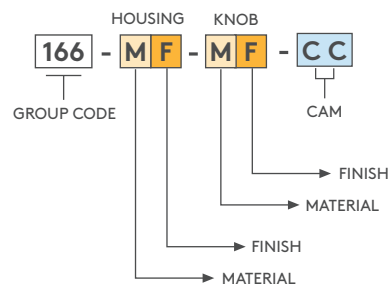
PRODUCT CODE



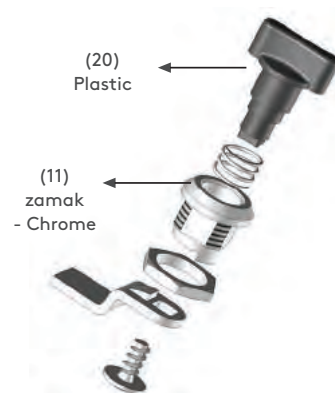
MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

For mixed material and finish lock orders, please use the following coding system:



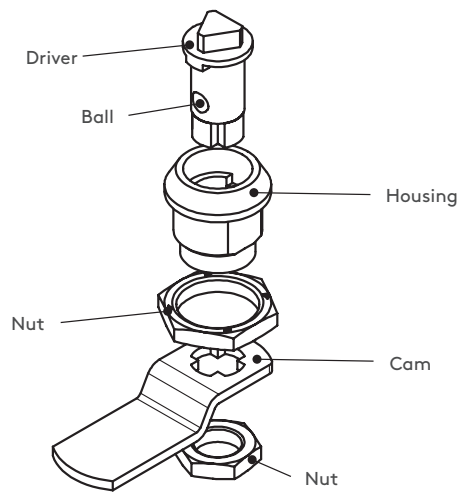
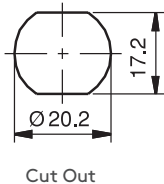
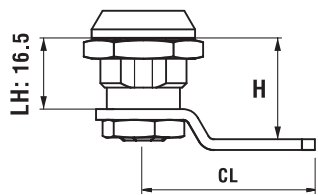
EXAMPLE



PRODUCT CODE
166 11-20-11



For cams please check page: 149



DRIVERS	
Slot	
DD	
83	
9 mm Triangular	
DD	
39	
6 mm hexagon	
DD	
66	

050

CAM LOCK – BALL

LH/RH

RoHS



- Special index action to assist locking and keep cam in position
- Stable in open position

APPLICATIONS
Electric panels, machinery covers

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH
Chrome plated

Application keys:



267-39 169-66

PRODUCT CODE

050 - 1 - F - DD - CC

GROUP CODE MATERIAL FINISH DRIVER CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

For cams please check page: 149

▶ QUARTER-TURN LOCKS

PADLOCKABLE – KNOB

055



- Padlockable version
- Padlock shackle diameter
Minimum 4 mm – Maximum 6 mm

APPLICATIONS

Wooden cupboard

MATERIAL

HOUSING: Zamak DIN-EN
1774-ZnAl4Cu1

KNOB: Zamak DIN-EN
1774-ZnAl4Cu1

CAM: Steel

FINISH

Nickel Plated

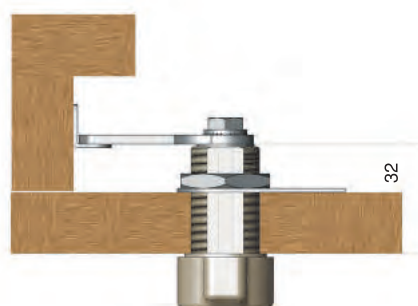
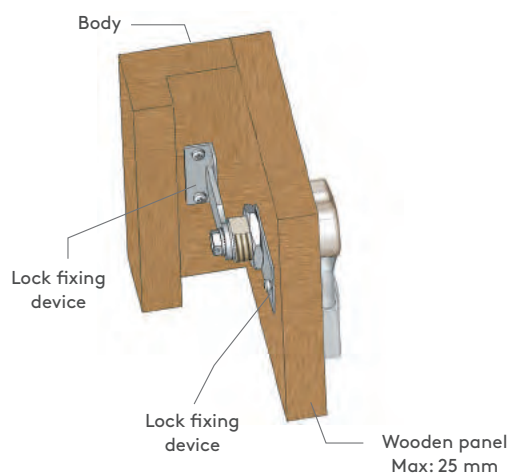
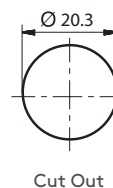
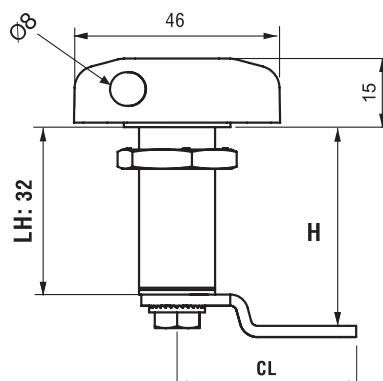
⚠ Note: Not suitable to use with
long-shackle padlocks.



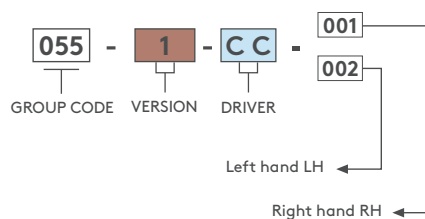
LH

RH

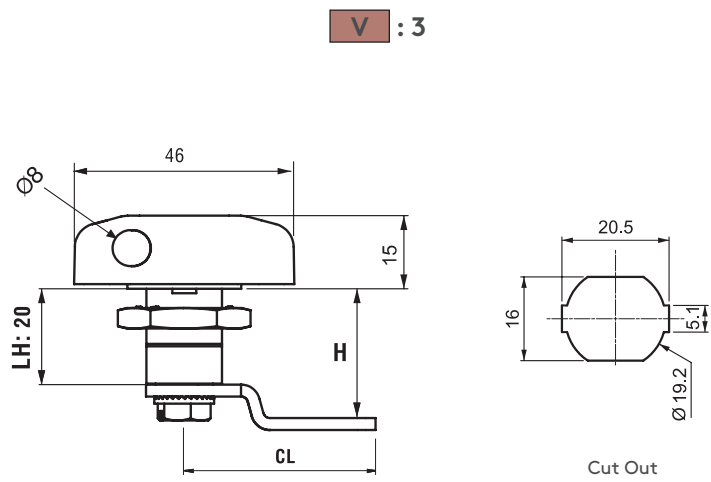
RoHS



PRODUCT CODE



For cams please check page: 149



055

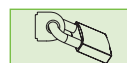
PADLOCKABLE – KNOB



LH

RH

RoHS



- Padlockable version
- Padlock shackle diameter
Minimum 4 mm – Maximum 6 mm

APPLICATIONS

Steel cupboard

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

KNOB: Zamak DIN-EN 1774-ZnAl4Cu1

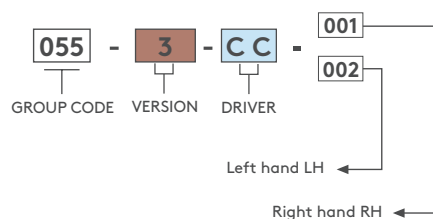
CAM: Steel

FINISH

Nickel Plated

⚠ Note: Not suitable to use with long-shackle padlocks.

PRODUCT CODE



For cams please check page: 149

▶ QUARTER-TURN LOCKS

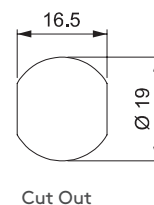
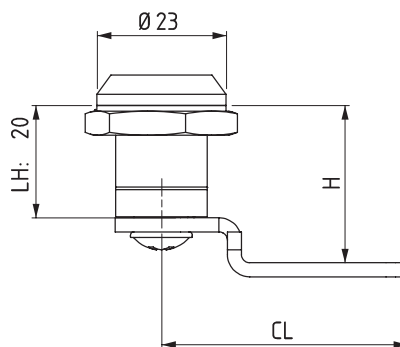
QUARTER-TURN LOCK

350



LH/RH

RoHS



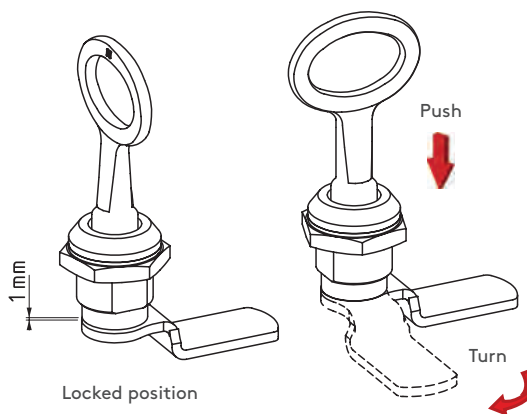
- Vibration proof quarter turn
- Opening the lock only possible by pushing and rotating the driver by the key
- Nickel plating is an option

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
 NUT: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Steel

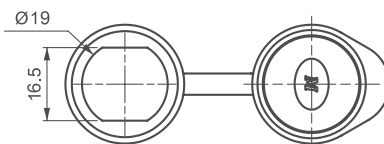


DRIVERS

3 mm Double Bit		M	F
DD		1	1
		1	2
13		1	4
7 mm Triangular		1	1
DD		1	1
		1	2
37		1	4
7 mm Square			
DD		1	1
		1	2
27		1	4
Slot			
DD		1	1
		1	2
42		1	4

DUST CAP

050 A4



PRODUCT CODE

350 - 1 - F - DD - CC
 GROUP CODE MATERIAL FINISH DRIVER CAM

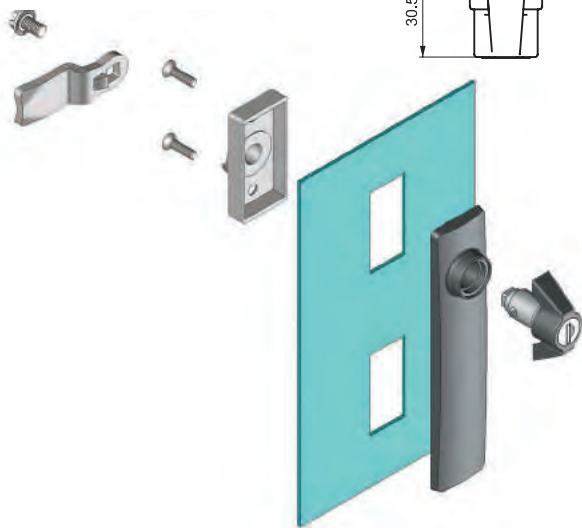
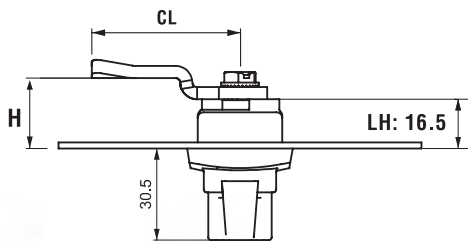
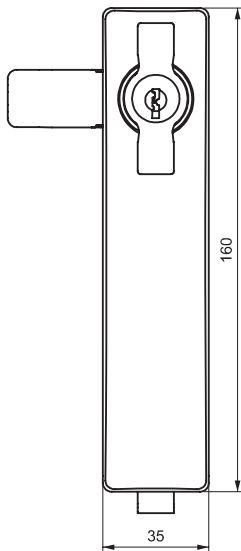
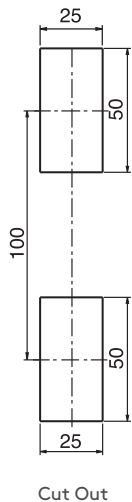
MATERIAL	M
Zamak	1

FINISH	F
Chrome plated	1
Black coated	2
Nickel plated	4

For cams please check page: 149

For keys please check page: 162

V : 6



203

QUARTER TURN –
WING KNOB



LH/RH

RoHS



IP 54



APPLICATIONS
Electric panels, machinery covers

MATERIAL
BODY: PA6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel
GASKET: Polyurethane

PRODUCT CODE

203 - 6 - DD - CC
GROUP CODE VERSION CYLINDER CAM

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

For cams please check pages: 144 - 145

QUARTER-TURN LOCKS

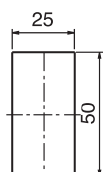
QUARTER-TURN LOCK

103

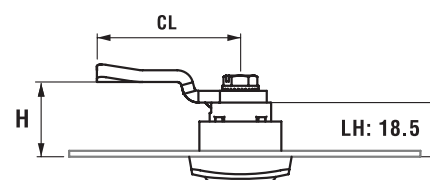
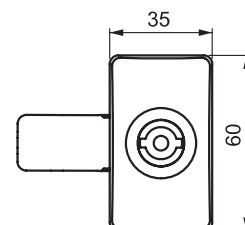
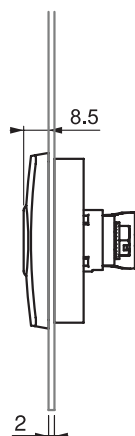


LH/RH

RoHS



Cut Out

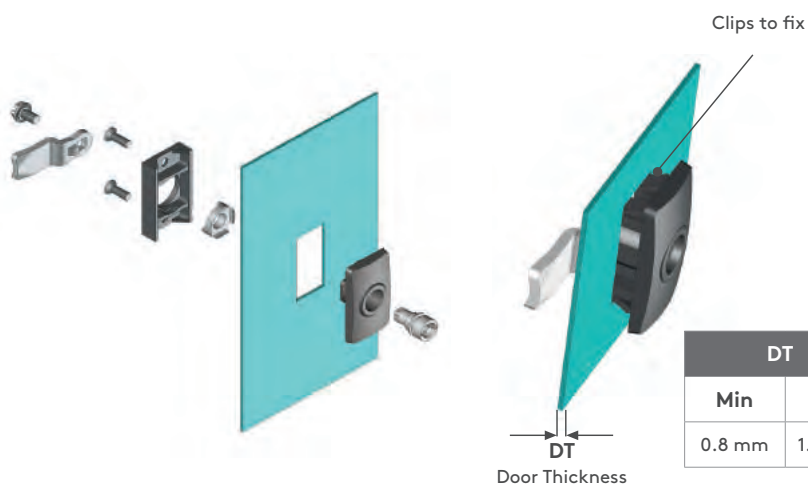


APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: PA6 GFR 30
 DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
 CAM: Steel
 GASKET: Polyurethane



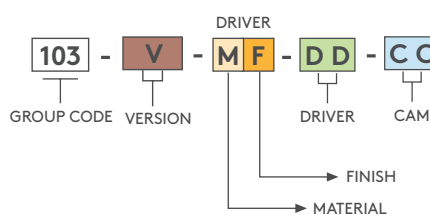
DT	
Min	Max
0.8 mm	1.8 mm

V : 1

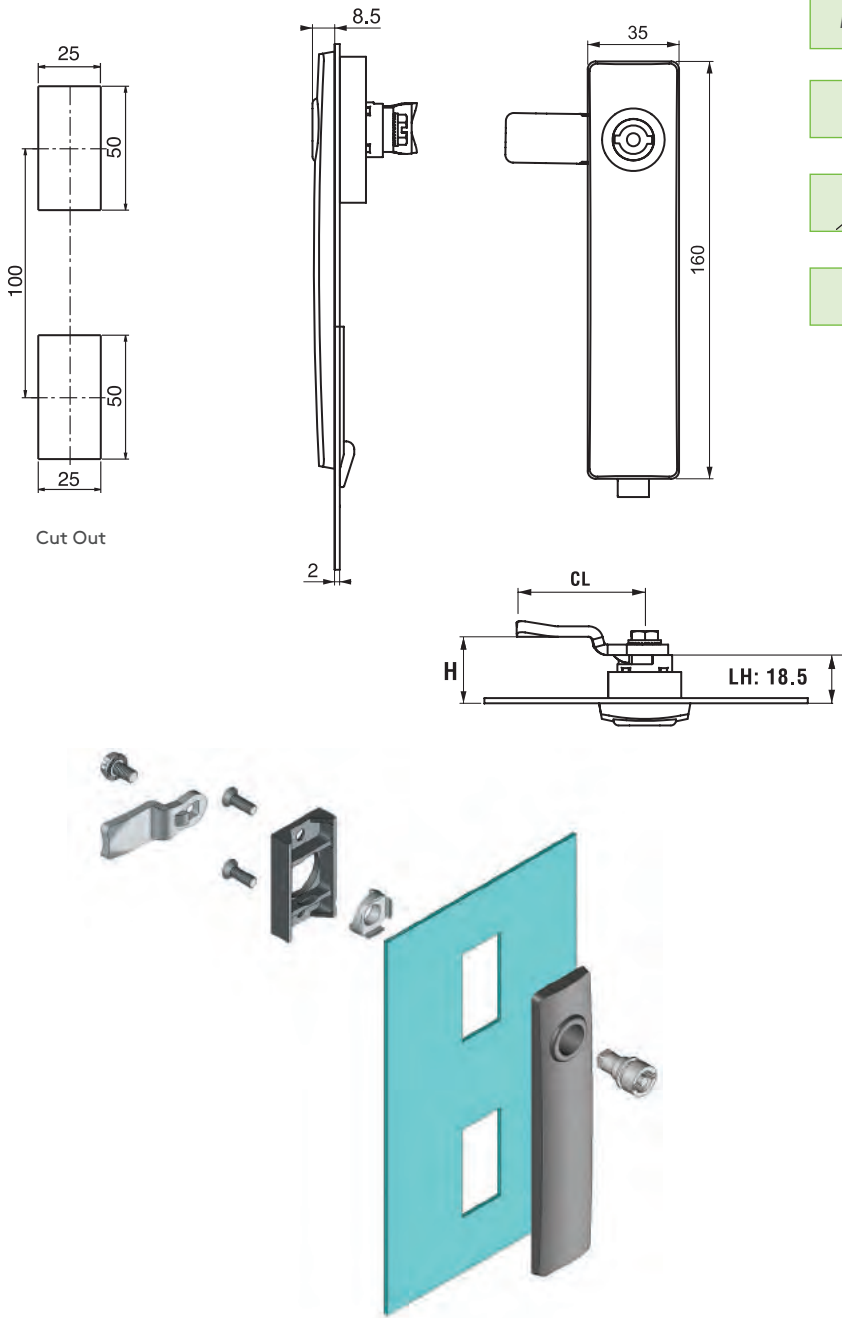
V : 6

Clips to fix

PRODUCT CODE



-  For cams please check pages: 144 - 145
-  For drivers please check page: 166
-  For keys please check pages : 162 - 163



203

QUARTER-TURN LOCK



LH/RH

RoHS



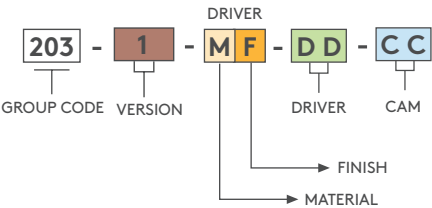
IP 54



APPLICATIONS
Electric panels, machinery covers

MATERIAL
BODY: PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel
GASKET: Polyurethane

PRODUCT CODE



For cams please check pages: 144 - 145
For drivers please check page: 166
For keys please check pages : 162 - 163



LOCKS



CAM LOCKS

GROUP CODE	PRODUCT NAME
063	CAM LOCK
163	SPRING CAM LOCK
261	KNOB LOCK
065	CAM LOCK – WING KNOB
165	MINI CAM LOCK – WING KNOB
110	CAM LOCK – T HANDLE
111	CAM LOCK – L HANDLE
064	CAM LOCK – T HANDLE
064	CAM LOCK – L HANDLE
240	COMPRESSION LOCK – T HANDLE
340	COMPRESSION LOCK – WING KNOB
050	CAM LOCK
150	CAM LOCK
250	CAM LOCK
057	MINI CAM LOCK
157	MINI CAM LOCK
257	MINI CAM LOCK
056	CAM LOCK
	ACCESSORIES

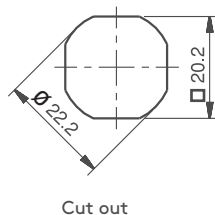
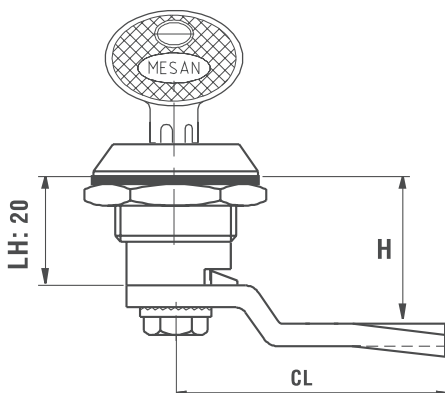


ESSENTRA

PAGE	
215	
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224 - 225	
226 - 227	
228 - 229	
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235	
236	







063

CAM LOCK



LH/RH

RoHS



- Quarter-turn operation
- Body length 20.5 mm (Please be sure to order appropriate cam)
- Available in all die-cast zinc alloy or with polyamide housing

063 1-1-DD-CC
ZAMAK - CHROME

063 1-2-DD-CC
ZAMAK - BLACK COATED

063 2-0-DD-CC
PLASTIC



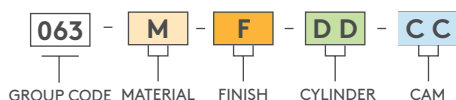
APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel or Plastic
GASKET: Rubber

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

For cams please check pages: 144 - 145

SPRING CAM LOCK

163



LH

RH

RoHS

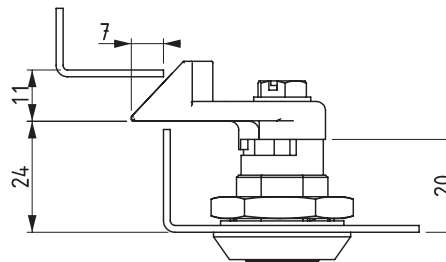
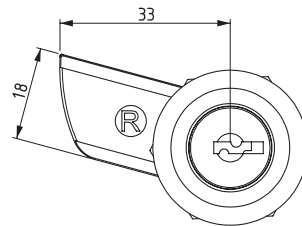
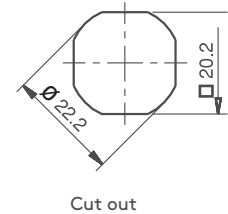
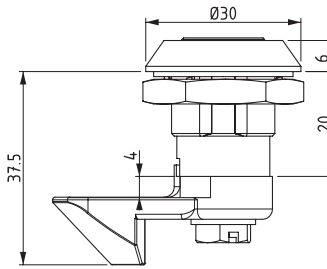
- Spring-loaded cam provides depress-to-lock action
- Distance between inside of lock face and front of cam fixed at 24 mm
- There is no IP 65 version of this lock, due to spring loaded cam

APPLICATIONS

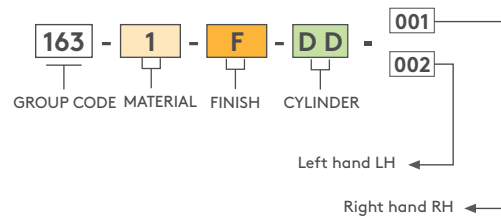
Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu11
CAM: Steel
GASKET: Rubber



PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

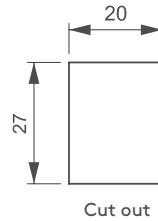
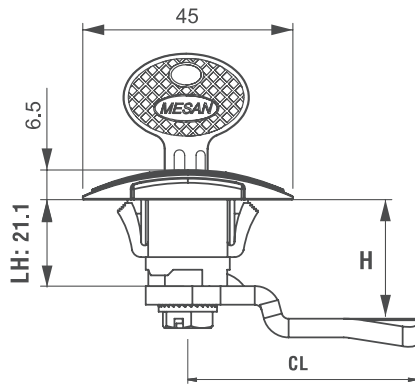
261

KNOB LOCK

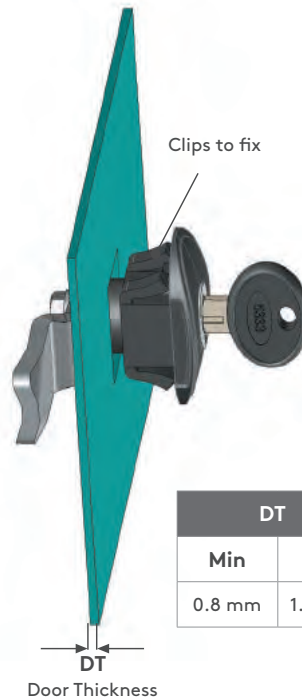
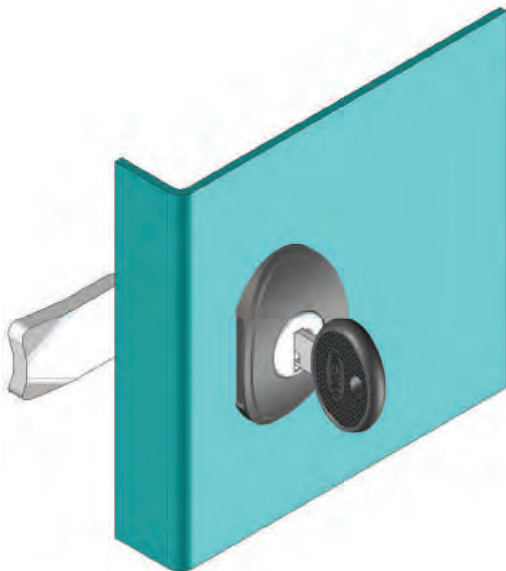


LH/RH

RoHS



Cut out



Clips to fix

DT
Door Thickness

DT	
Min	Max
0.8 mm	1.8 mm

- Clip fixing for easy assembly
- Mounting nut not required
- Special 20 mm x 26 mm cut out
- No IP 65 version of this lock
- 1.8 mm maximum panel thickness

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
CAM: Steel or Plastic
GASKET: Rubber

PRODUCT CODE

261 - 2 - 0 - DD - CC
GROUP CODE MATERIAL FINISH CYLINDER CAM

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

 For cams please check pages: 144 - 145

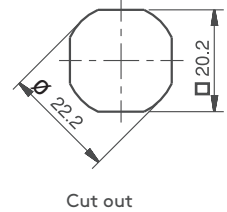
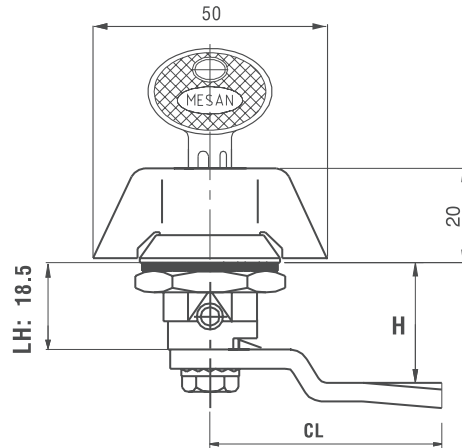
CAM LOCK – WING KNOB

065



LH/RH

RoHS



Cut out

- Stainless steel version: page 446
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing knob and housing
- Optional blind version

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or Plastic
GASKET: Rubber

065 1-1-DD-CC
ZAMAK – CHROME



065 1-2-DD-CC
ZAMAK – BLACK COATED



065 2-0-DD-CC
PLASTIC



No cylinder '00'



PRODUCT CODE

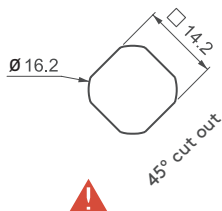
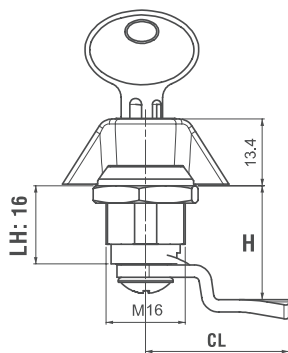
065 - M - F - DD - CC
GROUP CODE MATERIAL FINISH CYLINDER CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 144 - 145



165 1-1-DD-CC
ZAMAK – CHROME



165 1-2-DD-CC
ZAMAK – BLACK COATED



165

MINI CAM LOCK –
WING KNOB



LH/RH

RoHS



- Quarter-turn operation
- Available all die-cast zinc alloy
- Suitable for small cabinets

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN

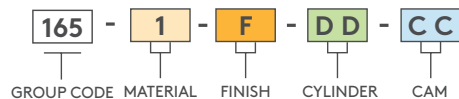
1774-ZnAl4Cu1

KNOB: Zamak DIN-EN

1774-ZnAl4Cu1

CAM: Steel

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32

 For cams please check page: 149

CAM LOCKS

CAM LOCK – T HANDLE

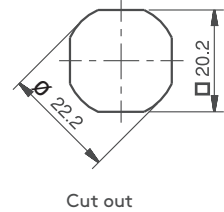
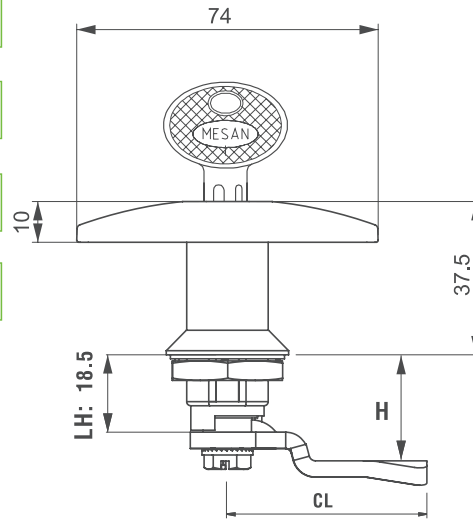
110

IP 65



LH/RH

RoHS



- Stainless steel version: page 444
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or Plastic
GASKET: Rubber

110 1-1-DD-CC
ZAMAK – CHROME



110 1-2-DD-CC
ZAMAK – BLACK COATED



110 2-0-DD-CC
PLASTIC



No cylinder '00'



PRODUCT CODE

110 - M - F - DD - CC - 1
GROUP CODE MATERIAL FINISH CYLINDER CAM For only IP 65

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

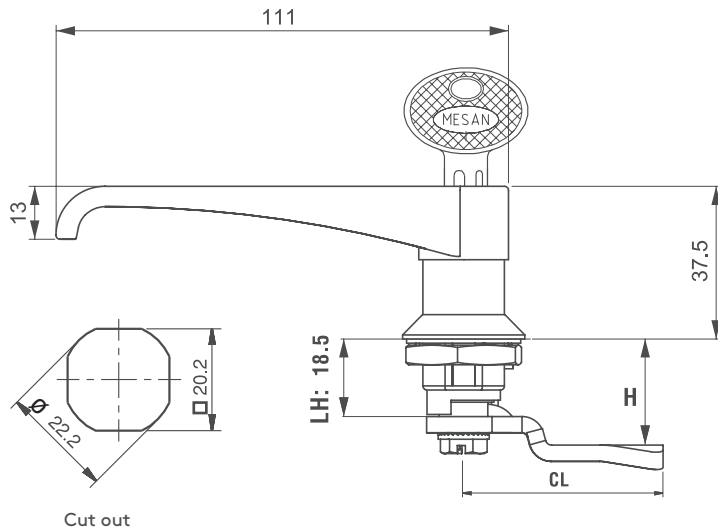
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 144 - 145

111

CAM LOCK – L HANDLE



- Stainless steel version: page 445
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or Plastic
GASKET: Rubber

111 1-1-DD-CC
ZAMAK – CHROME



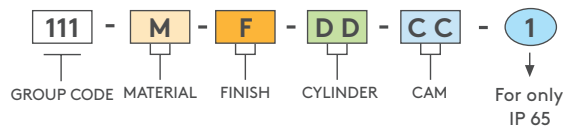
111 1-2-DD-CC
ZAMAK – BLACK COATED



111 2-0-DD-CC
PLASTIC



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

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

No cylinder '00'



 For cams please check pages: 144 - 145

CAM LOCK – T HANDLE

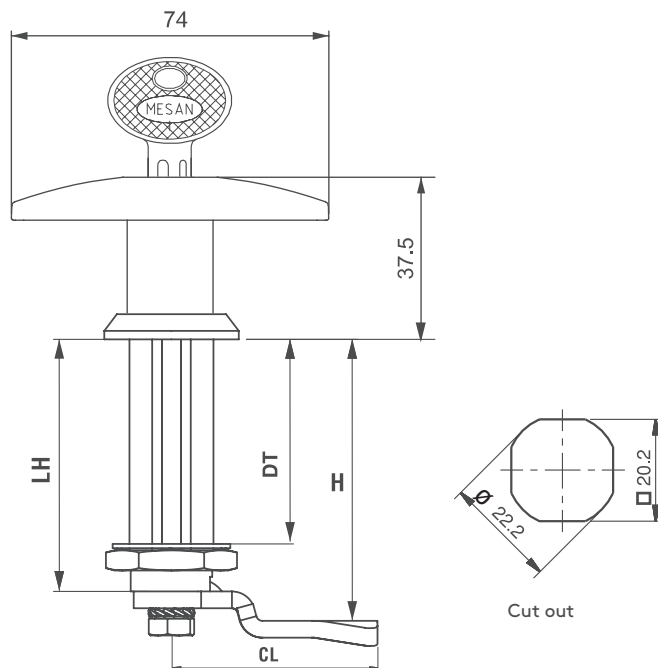
064



LH/RH

RoHS

DT	LH
20	30
30	40
40	50
50	60



- For soundproof or isolated doors
- Supplied with adapter suitable to standard housing
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or Plastic
GASKET: Rubber

064 110-DT-1-1-DD-CC
ZAMAK – CHROME



064 110-DT-1-2-DD-CC
ZAMAK – BLACK COATED



064 110-DT-2-0-DD-CC
PLASTIC



No cylinder '00'



PRODUCT CODE

064	-	110	-	DT	-	M	-	F	-	DD	-	CC
GROUP CODE		HANDLE		DOOR THICKNESS		MATERIAL		FINISH		CYLINDER		CAM

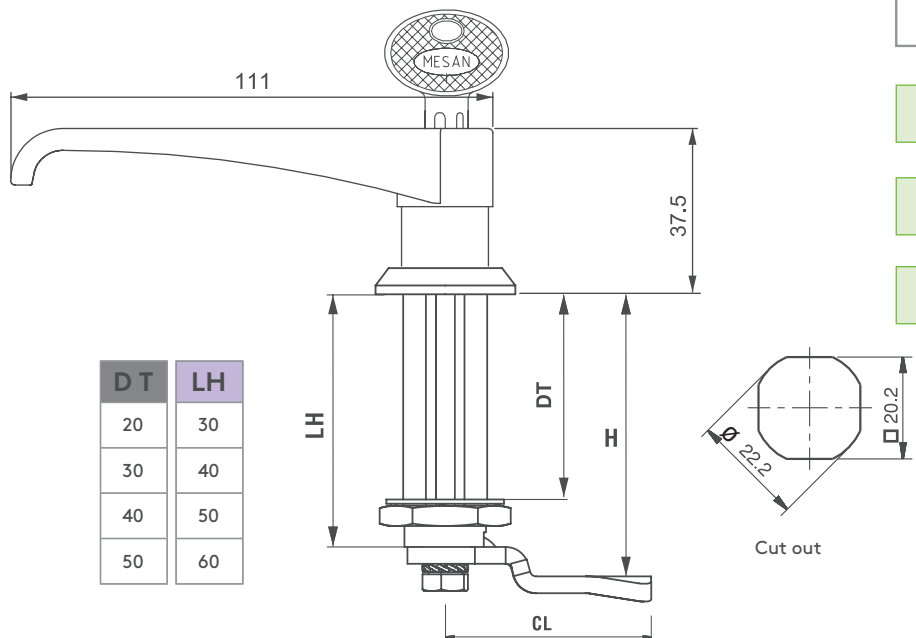
MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
No finish	0

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



For cams please check pages: 144 - 145



DT	LH
20	30
30	40
40	50
50	60

- 064
- 
- LH/RH
- RoHS



064 111-DT-1-1-DD-CC
ZAMAK – CHROME

064 111-DT-1-2-DD-CC
ZAMAK – BLACK COATED

064 111-DT-2-0-DD-CC
PLASTIC



- Primarily for soundproof or isolated doors
- Supplied with adapter suitable to standard housing
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

APPLICATIONS

Electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel or Plastic
GASKET: Rubber

PRODUCT CODE

064 - 111 - DT - M - F - DD - CC
GROUP CODE HANDLE DOOR THICKNESS MATERIAL FINISH CYLINDER CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
Plastic	2	No finish	0

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

 For cams please check page: 144 - 145

COMPRESSION LOCK – T HANDLE

240

IP 65



LH/RH

RoHS



- Used for cabinets require better sealing under vibrating conditions
- Provides 6 mm of compression
- Provides noise isolation
- Standard cams without stopper required for these locks

APPLICATIONS

Railway applications, construction equipment, electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

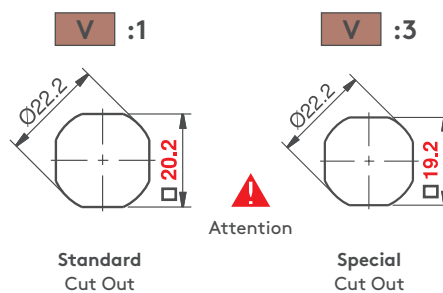
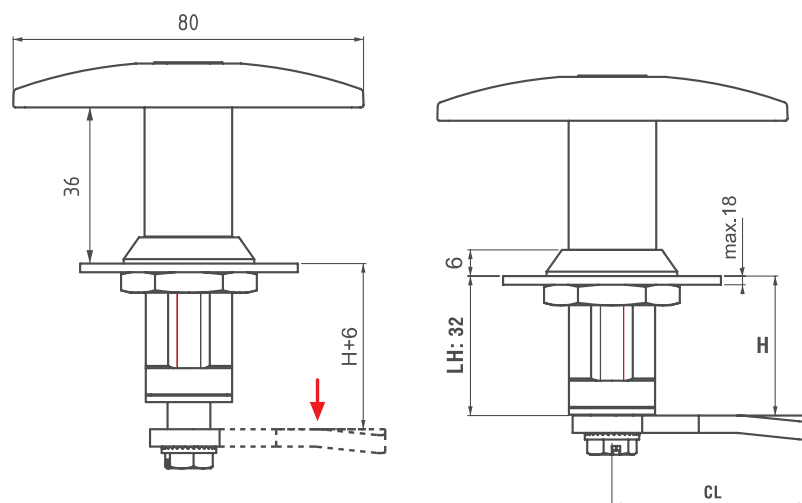
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

GASKET: Rubber

FINISH

Chrome or black coated



PRODUCT CODE

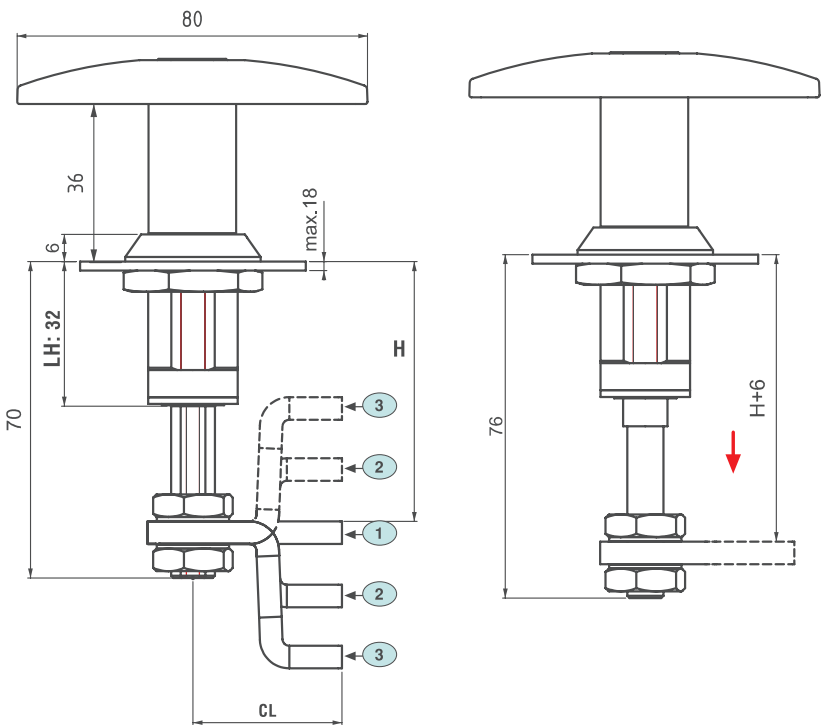
240	-	V	-	1	-	F	-	DD	-	CC
GROUP CODE		VERSION		MATERIAL		FINISH		CYLINDER		CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

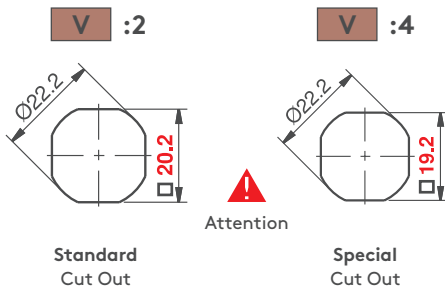
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	CH751 (Stainless steel dust cap)	07



For cams please check pages: 146 - 147



Knob	CC	CH	CL	H GRIP MIN	H GRIP MAX
1	01	0	33	41	58
2	02	14	33	27	72
3	03	27.5	33	13.5	85



PRODUCT CODE

240 - V - 1 - F - DD - CC

GROUP CODE VERSION MATERIAL FINISH CYLINDER CAM

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	CH751 (Stainless steel dust cap)	07

240

IP 65



LH/RH

RoHS

COMPRESSION LOCK – T HANDLE



- For the cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Wide grip range with adjustable screw
- Provides noise isolation
- Three cam alternatives available

APPLICATIONS
Railway applications, construction equipment, electric panels, machinery covers

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber

FINISH
Chrome or black coated

060 A3

FIXING DEVICE



- Can be ordered separately

COMPRESSION LOCK – WING KNOB

340



LH/RH

RoHS

- Used for cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Provides noise isolation
- Standard cams without stopper required for these locks

APPLICATIONS

Railway applications, construction equipment, electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

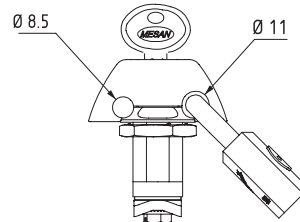
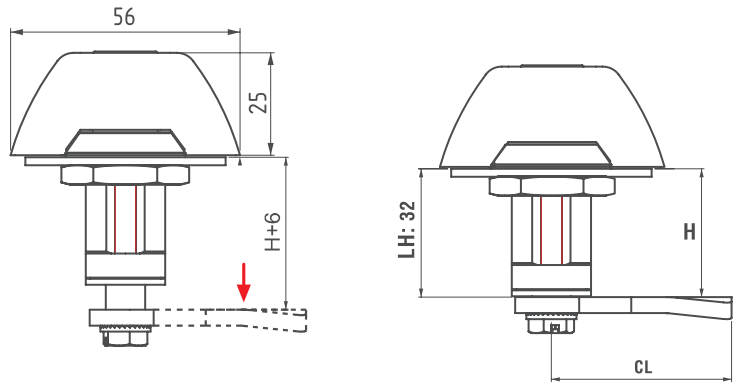
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

GASKET: Rubber

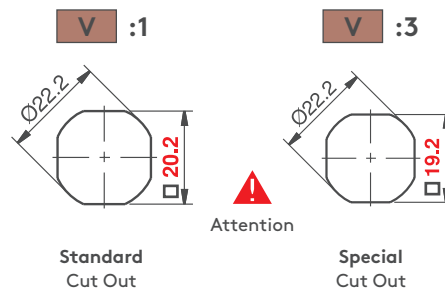
FINISH

Chrome or black coated



1

Padlock application



PRODUCT CODE

340 - V - 1 - F - DD - CC - 1
 GROUP CODE VERSION MATERIAL FINISH CYLINDER CAM For padlock only

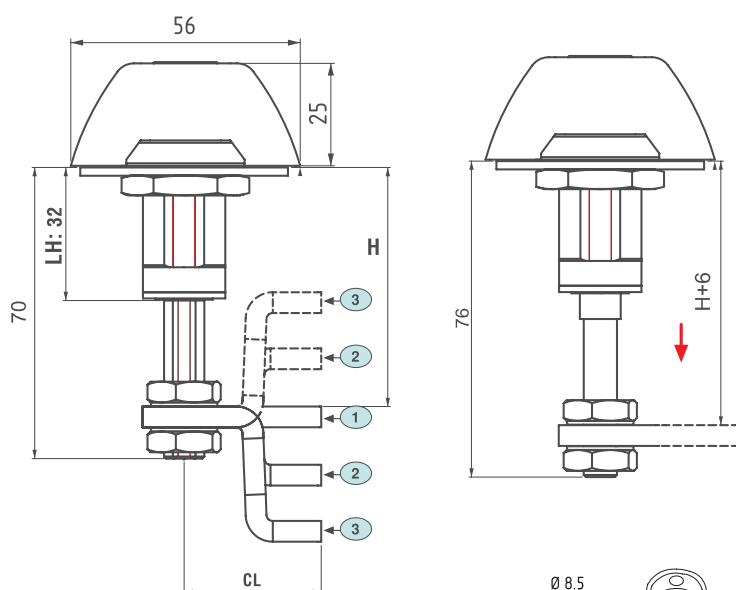
MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

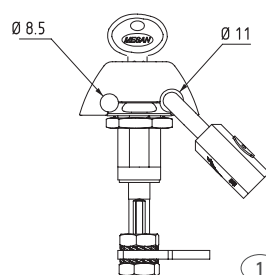
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	CH751 (Stainless steel dust cap)	07



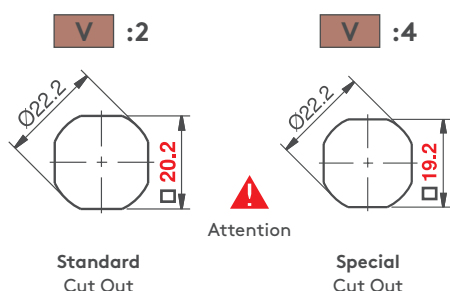
For cams please check pages: 146 - 147



NOB	CC	CH	CL	H GRIP	
				MIN	MAX
1	01	0	33	41	58
2	02	14	33	27	72
3	03	27.5	33	13.5	85



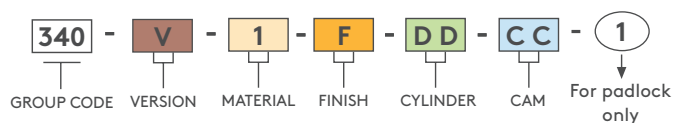
Padlock application



Standard Cut Out

Special Cut Out

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32
	CH751 (Stainless steel dust cap)	07

340

COMPRESSION LOCK – WING KNOB



- For the cabinets that require better sealing under vibrating conditions
- Lock provides 6 mm of compression
- Wide grip range with adjustable screw
- Provides noise isolation
- Three cam alternatives available

APPLICATIONS

Railway applications, construction equipment, electric panels, machinery covers

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Steel
 GASKET: Rubber

FINISH

Chrome or black coated

060 A3

FIXING DEVICE



- Can be ordered separately

CAM LOCK

050



APPLICATIONS

Briefcases, steel drawers,
machinery covers

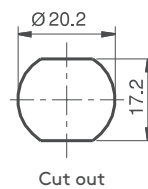
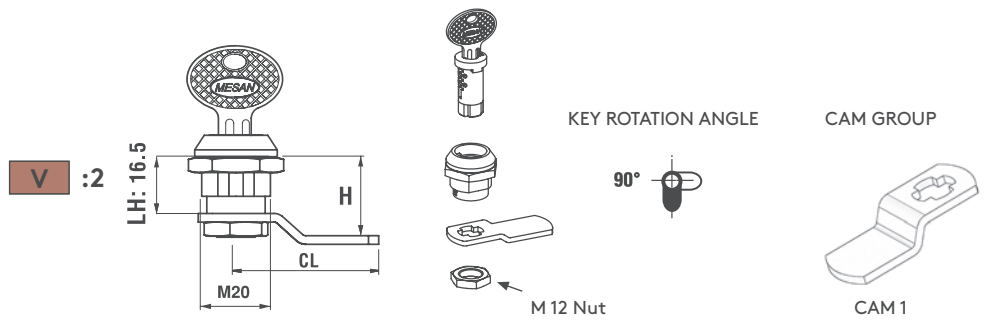
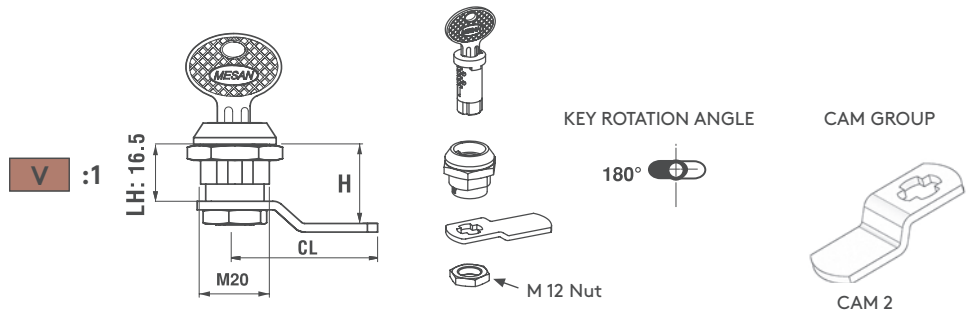
MATERIAL

HOUSING: Zamak DIN-EN
1774-ZnAl4Cu1

CAM: Steel

FINISH

Chrome plated



PRODUCT CODE

050 - **V** - **DD** - **CC**
GROUP CODE VERSION CYLINDER CAM

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (1000 Keyed differ)	32
	Euro key (5333)	05



For cams please check page: 149

050

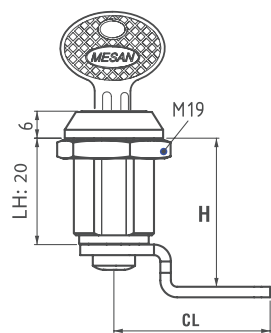
CAM LOCK



APPLICATIONS
Wooden and steel cupboard

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH
Chrome plated



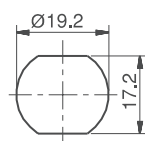
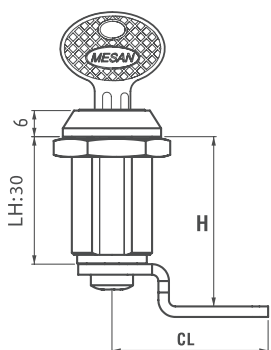
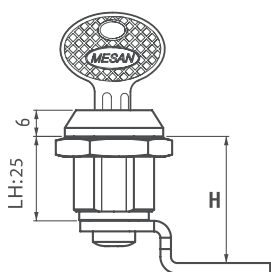
KEY ROTATION ANGLE



CAM GROUP



CAM 1



Cut out

PRODUCT CODE

050 - LH - DD - CC
GROUP CODE HOUSING CYLINDER CAM
LENGTH

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (1000 Keyed differ)	32
	Euro key (5333)	05

 For cams please check page: 149

CAM LOCK

150



- Designed for polyester cabinets
- Very low profile head
- Please note special shape of mounting hole

APPLICATIONS

Polyester cabinets and steel cabinets

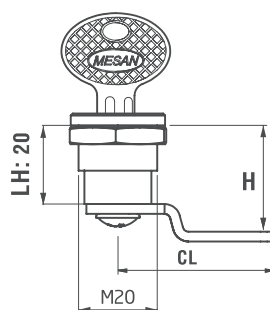
MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

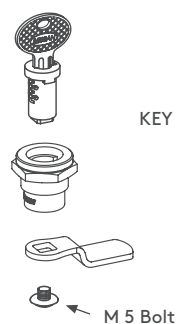
CAM: Steel

FINISH

Chrome plated



Non removable key



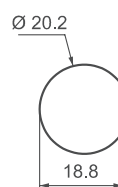
KEY ROTATION ANGLE



CAM GROUP

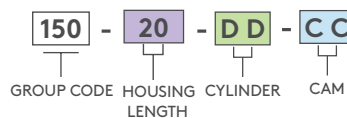


M 5 Bolt



Cut out

PRODUCT CODE



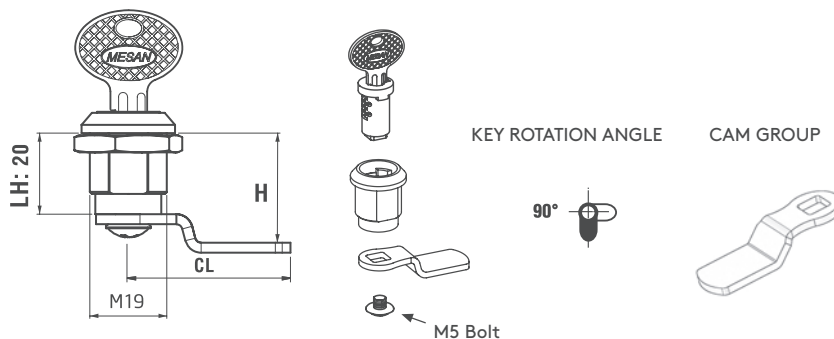
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (1000 Keyed differ)	32
	Euro key (5333)	05



For cams please check page: 149

250

CAM LOCK



APPLICATIONS

Briefcases, steel drawers, machinery covers

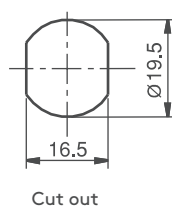
MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

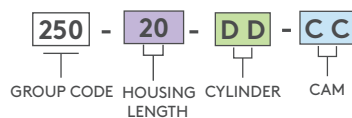
CAM: Steel

FINISH

Chrome plated



PRODUCT CODE



CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (1000 Keyed differ)	32
	Euro key (5333)	05

For cams please check page: 149

MINI CAM LOCK

057



- Keyed differ has maximum 100 key combination

APPLICATIONS

Metal drawers, metal cabinets, post boxes

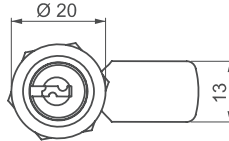
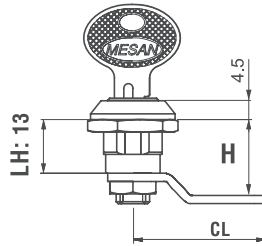
MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
Steel

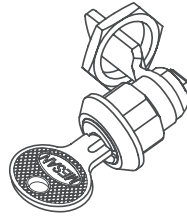
CAM: Steel

FINISH

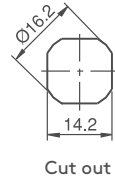
Chrome



V :1

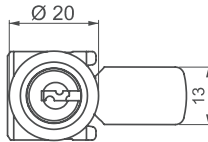
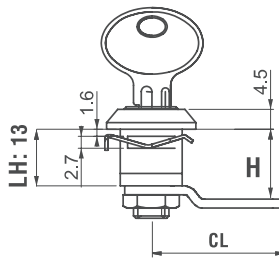


Fixed by nut

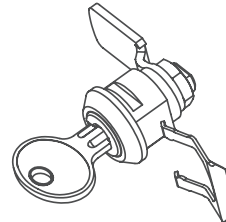


Cut out

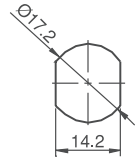
KEY ROTATION ANGLE



V :3



Fixed by clips



Cut out

KEY ROTATION ANGLE



PRODUCT CODE

057 - V - DD - CC
GROUP CODE VERSION CYLINDER CAM

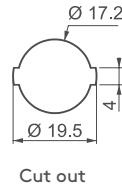
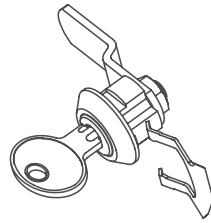
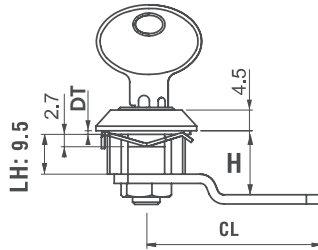
CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32



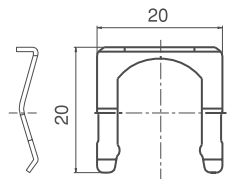
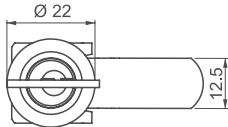
For cams please check page: 149

157

MINI CAM LOCK



KEY ROTATION ANGLE



Thickness: 0.7 mm



- Suitable for both steel and aluminium profile

APPLICATIONS

Metal drawers, metal cabinets, post boxes, aluminium profiles

MATERIAL

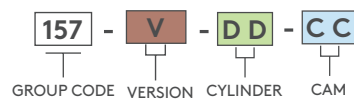
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

STOCK CODE	CC	CH	CL	LH:9.5 H
30403487	27	0	16	9.5
31403040	28	1	33	10.5
31403032	23	1	38	10.5
30403469	24	5	38	14.5
31403041	29	6	30	15.5

Hook cam (CC: 29)

DOOR THICKNESS	VERSION
1.2 -1.5 mm thickness panel	1
0.8 -1.2 mm thickness panel	2

PRODUCT CODE



CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32

MINI CAM LOCK

257



- Easy assembly with clips on housing

APPLICATIONS

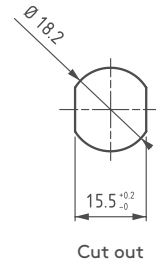
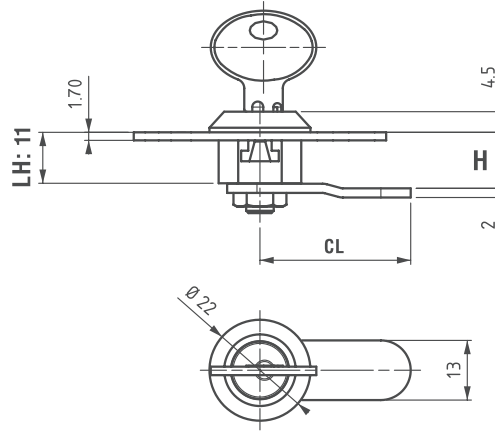
Metal drawers, metal cabinets, plastic boxes

MATERIAL

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

FINISH

Chrome



Cut out

KEY ROTATION ANGLE



STOCK CODE	CC	CH	CL	LH:9.5 H
30403487	27	0	16	11
31403040	28	1	33	12
31403032	23	1	38	12
30403469	24	5	38	16
31403041	29	6	30	17

Hook cam (CC: 29)

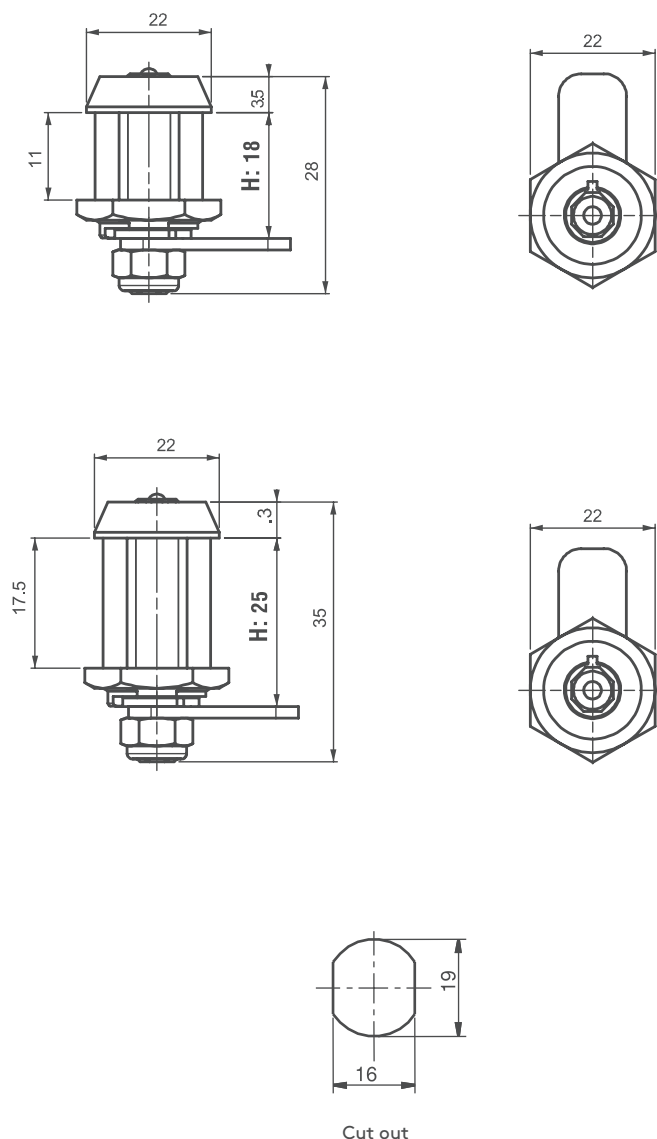
PRODUCT CODE

257 - DD - CC
GROUP CODE CYLINDER CAM

CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	03
	Stainless steel dust cap (Keyed differ)	32

056

CAM LOCK



- High-security lock
- Unique key combination available
- Two different housing lengths (18 mm and 25 mm)
- For different cam alternatives contact Essentra

APPLICATIONS

Metal cabinets, post boxes

MATERIAL

HOUSING: Brass
CAM: Steel
NUT: Brass

PRODUCT CODE

056 - H - DD
GROUP CODE GRIP CYLINDER

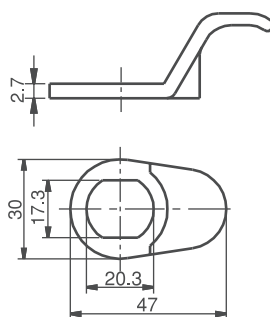
CYLINDER	SPECIFICATIONS	DD
	Stainless steel dust cap (Keyed alike)	01
	Stainless steel dust cap (Keyed differ)	02

For cams please check page: 149

CAM LOCKS

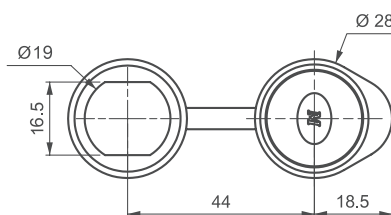
HANDLE FOR LOCK

050 A3



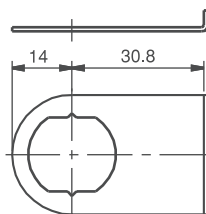
DUST CAP

050 A4



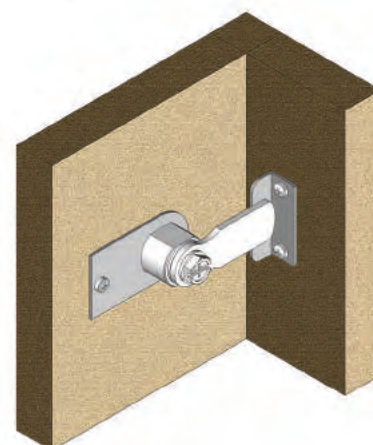
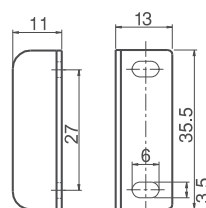
CAM LOCK FIXING PLATE FOR GLASS

050 A1



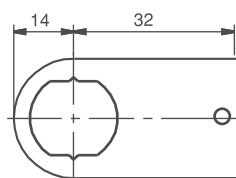
STRIKING PLATE

030 A1



CAM LOCK FIXING PLATE FOR WOOD

055 A1







LOCKS



FURNITURE & STEEL CUPBOARD LOCKS

GROUP CODE	PRODUCT NAME
010	CAM LOCK – T HANDLE
011	CAM LOCK – L HANDLE
020	SLIDING-GLASS DOOR LOCK
021	GLASS-DOOR LOCK
030	FURNITURE LOCK
032	FURNITURE LOCK
033	FURNITURE LOCK
059	SLIDING-DOOR LOCK
058	STEEL CUPBOARD LOCK
035	STEEL CUPBOARD LOCK
013	FIRE-HOSE CABINET LOCK



ESSENTRA

PAGE	
240	
241	
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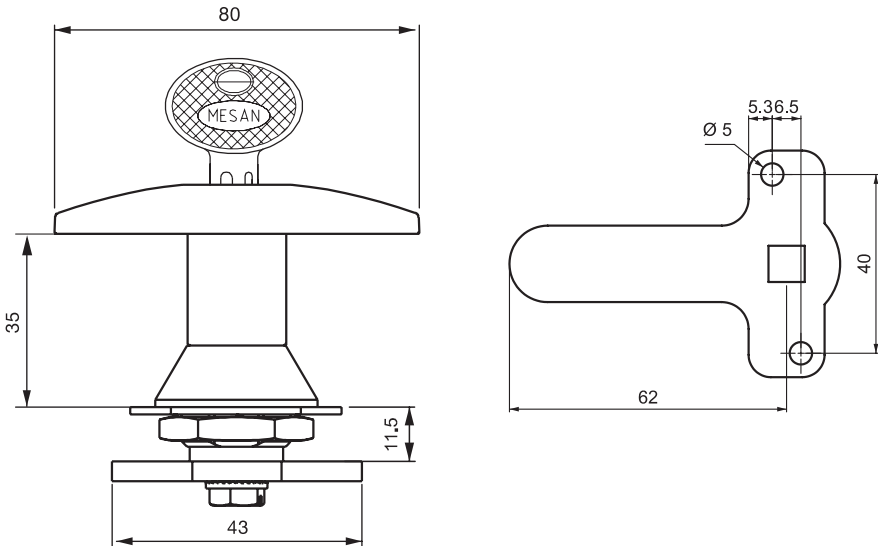




STEEL CUPBOARD LOCKS

CAM LOCK – T HANDLE

010

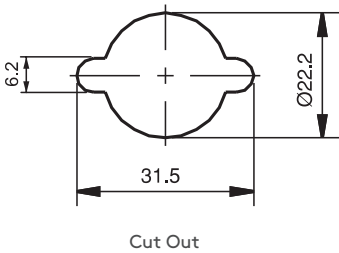


APPLICATIONS

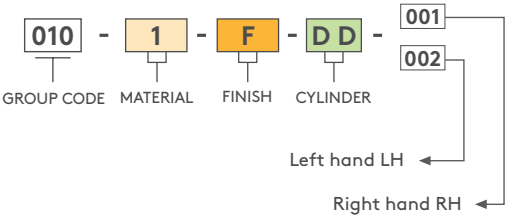
Electric panels, metal document cabinets

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel



PRODUCT CODE



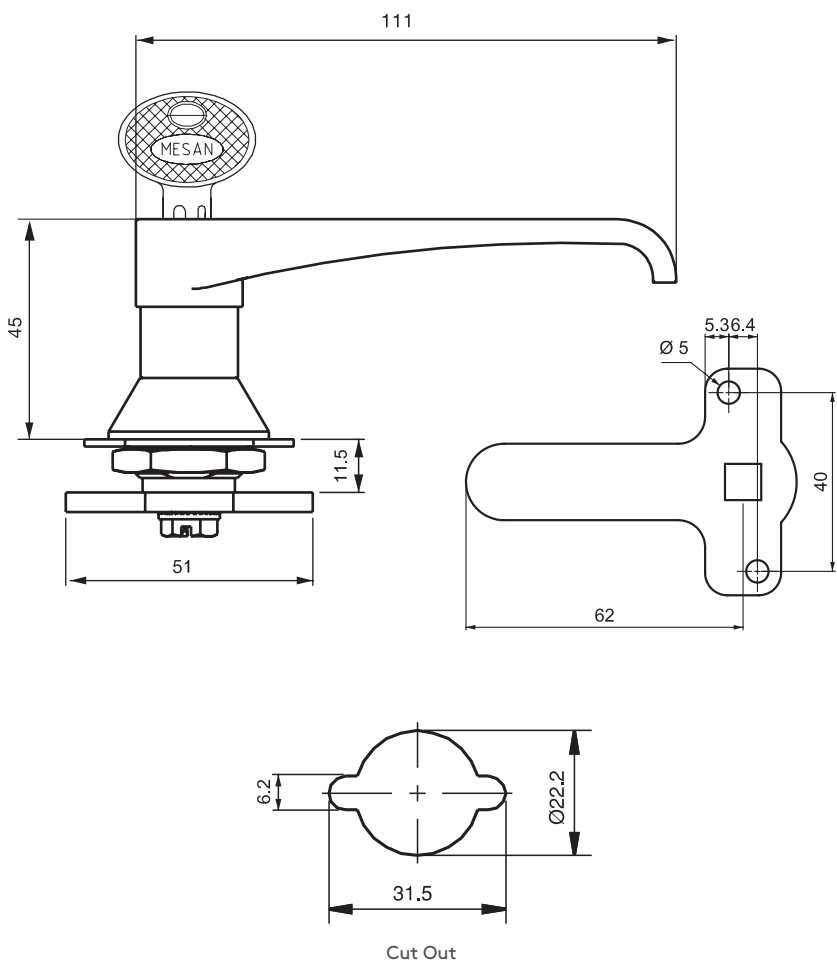
MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

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

011

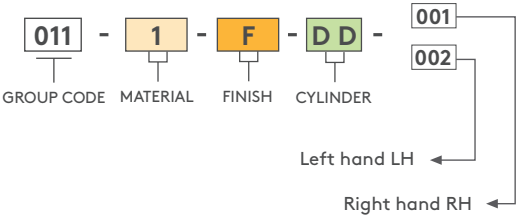
CAM LOCK – L HANDLE



APPLICATIONS
Electric panels, metal
document cabinets

MATERIAL
HOUSING: Zamak DIN-EN
1774-ZnAl4Cu1
HANDLE: Zamak DIN-EN
1774-ZnAl4Cu1
CAM: Steel

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

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



SLIDING-GLASS DOOR LOCK

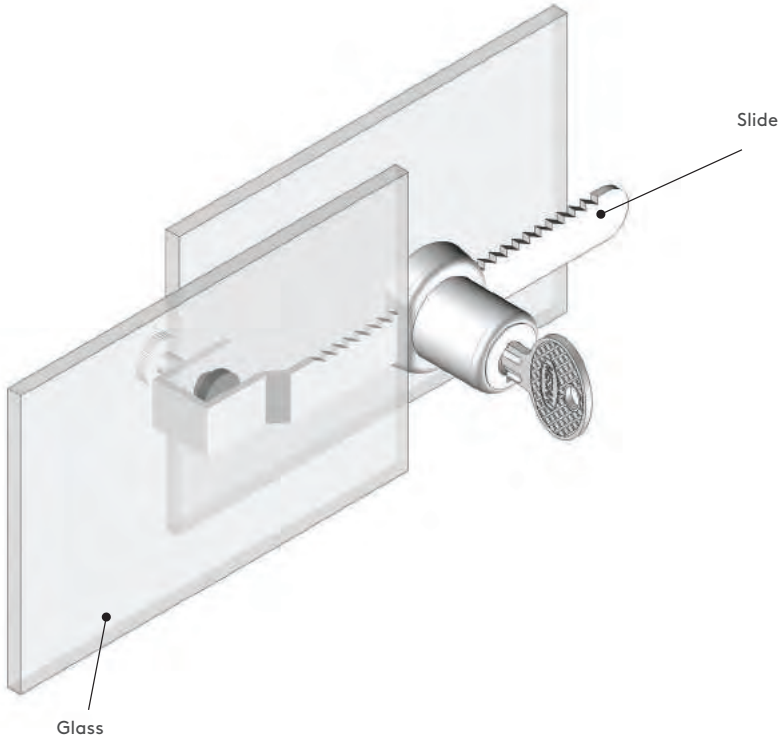
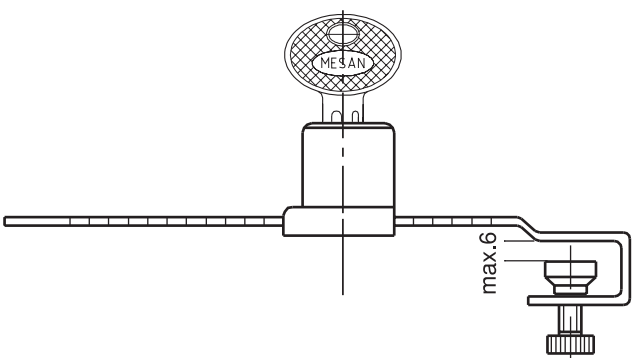
020



APPLICATIONS
Glass cabinets, show cases

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
SLIDE: Stainless steel (AISI 304)

FINISH
Chrome plated



PRODUCT CODE

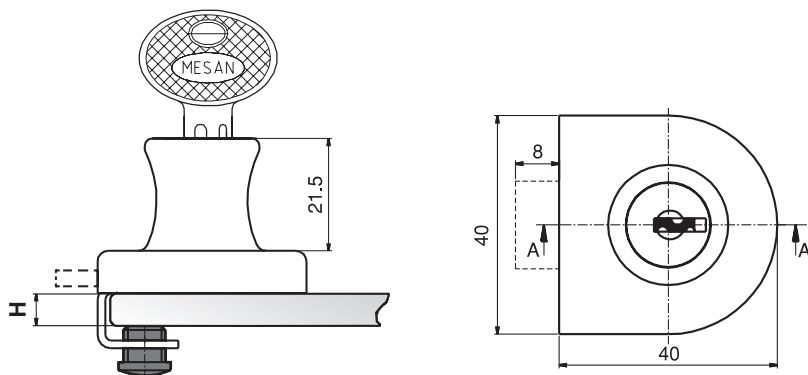
020 - DD

GROUP CODE CYLINDER

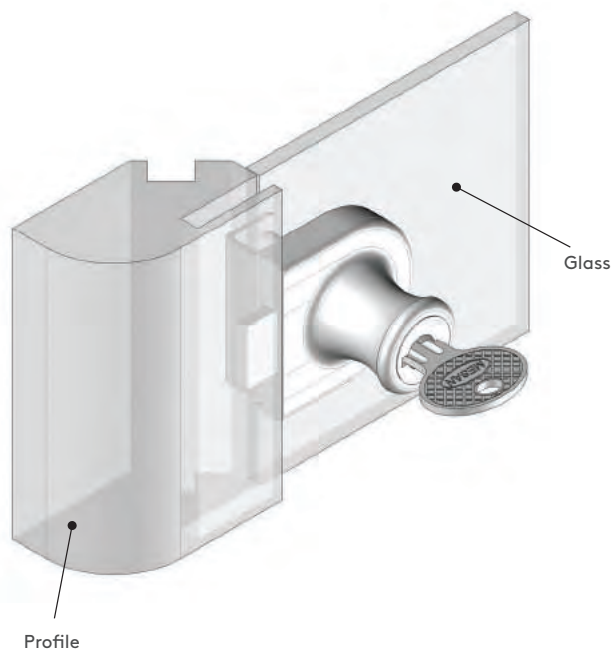
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

021

GLASS-DOOR LOCK



H: Glass Thickness
min : 4 mm
max: 7 mm



APPLICATIONS

Glass cabinets, show cases

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome plated

PRODUCT CODE

021 - DD

GROUP CODE CYLINDER

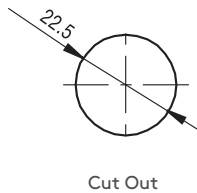
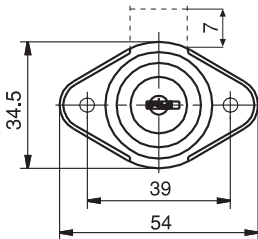
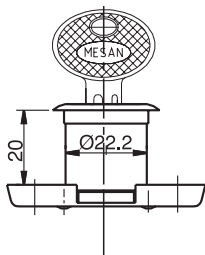
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02



FURNITURE LOCKS

FURNITURE LOCK

030

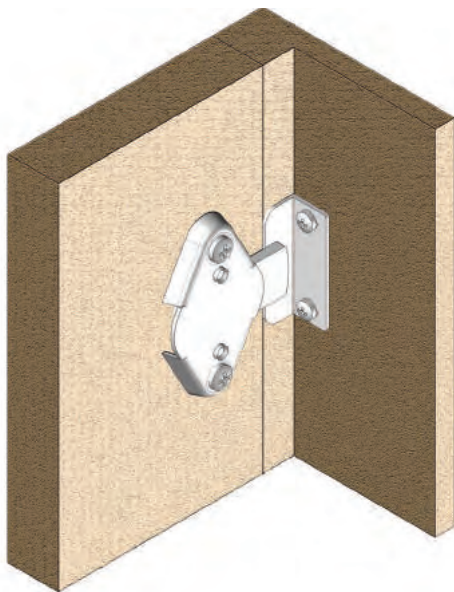


MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1
CAM: Steel

FINISH

Chrome plated



STRIKING PLATE

030 A1

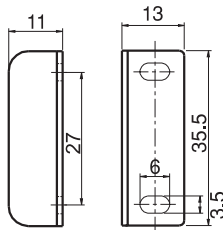


MATERIAL

Steel

FINISH

Zinc plated



PRODUCT CODE

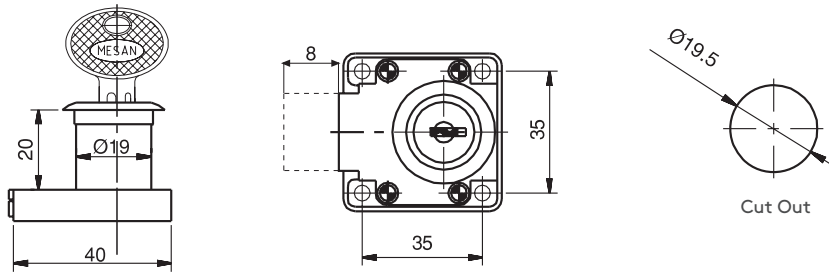
030 - DD

GROUP CODE CYLINDER

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

032

FURNITURE LOCK



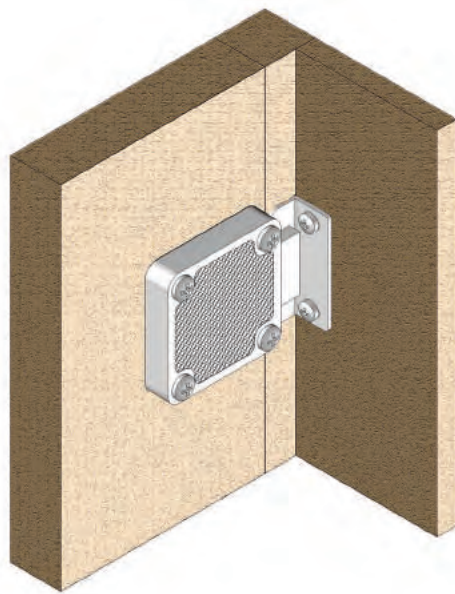
MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

CAM: Steel

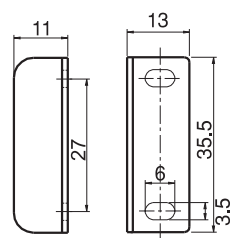
FINISH

Chrome plated



030 A1

STRIKING PLATE



MATERIAL

Steel

FINISH

Zinc plated

PRODUCT CODE

032 - DD

GROUP CODE CYLINDER

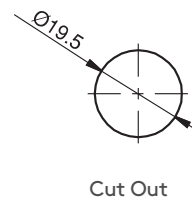
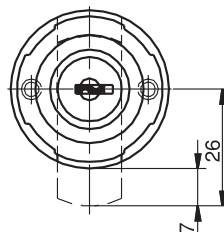
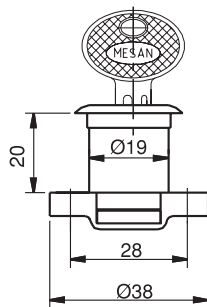
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02



FURNITURE LOCKS

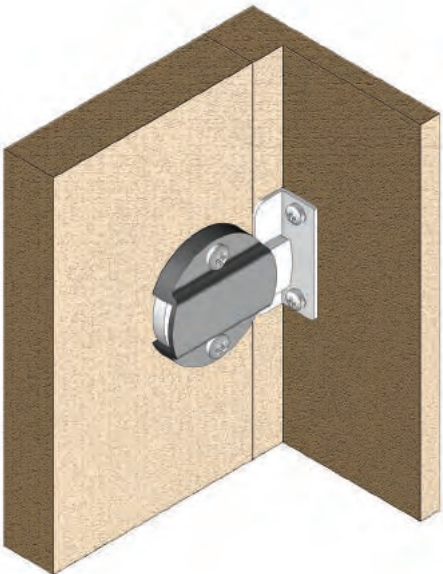
FURNITURE LOCK

033



MATERIAL

BODY: Polyamide DIN-EN
ISO 10431 Pa6 GFR 30
CAM: Steel



STRIKING PLATE

030 A1

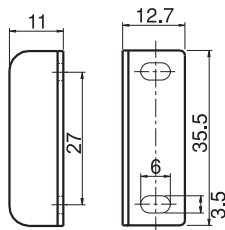


MATERIAL

Steel

FINISH

Zinc plated



PRODUCT CODE

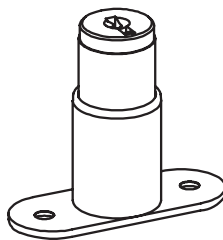
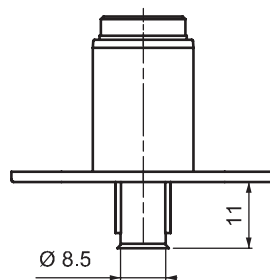
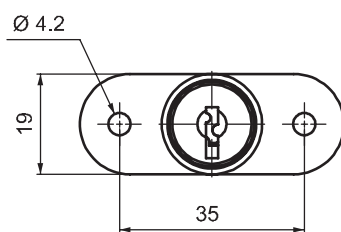
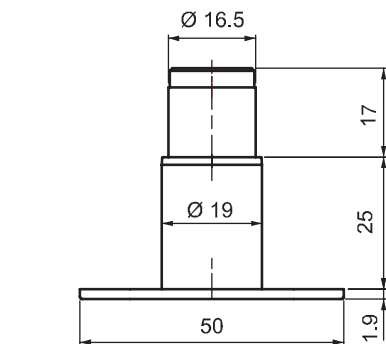
033 - DD

GROUP CODE CYLINDER

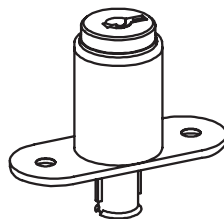
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

059

SLIDING-DOOR LOCK



Unlocked position



Locked position



- Suitable for horizontal refrigerators
- Key alike and key differ available

APPLICATIONS

Sliding doors

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome plated

PRODUCT CODE

059 - DD

GROUP CODE CYLINDER

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02



STEEL CUPBOARD LOCKS

STEEL CUPBOARD LOCK

058



- Primarily for central locking applications
- Clip fixing

APPLICATIONS

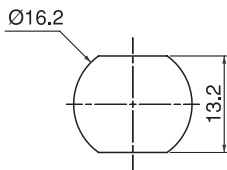
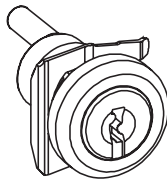
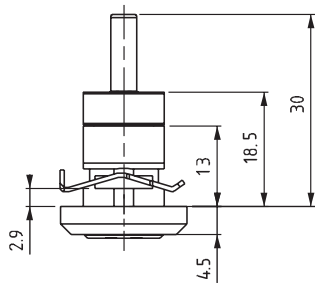
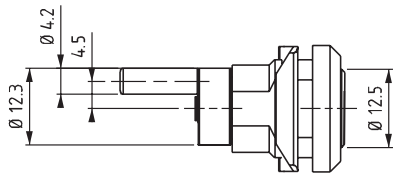
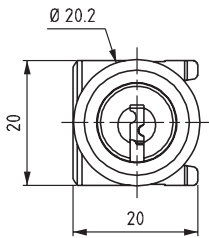
Steel drawers, central locking

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
CYLINDER: Zamak DIN-EN 1774-ZnAl4C1

FINISH

Chrome plated



Cut Out

PRODUCT CODE

058 - DD

GROUP CODE CYLINDER

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

035

STEEL CUPBOARD LOCK



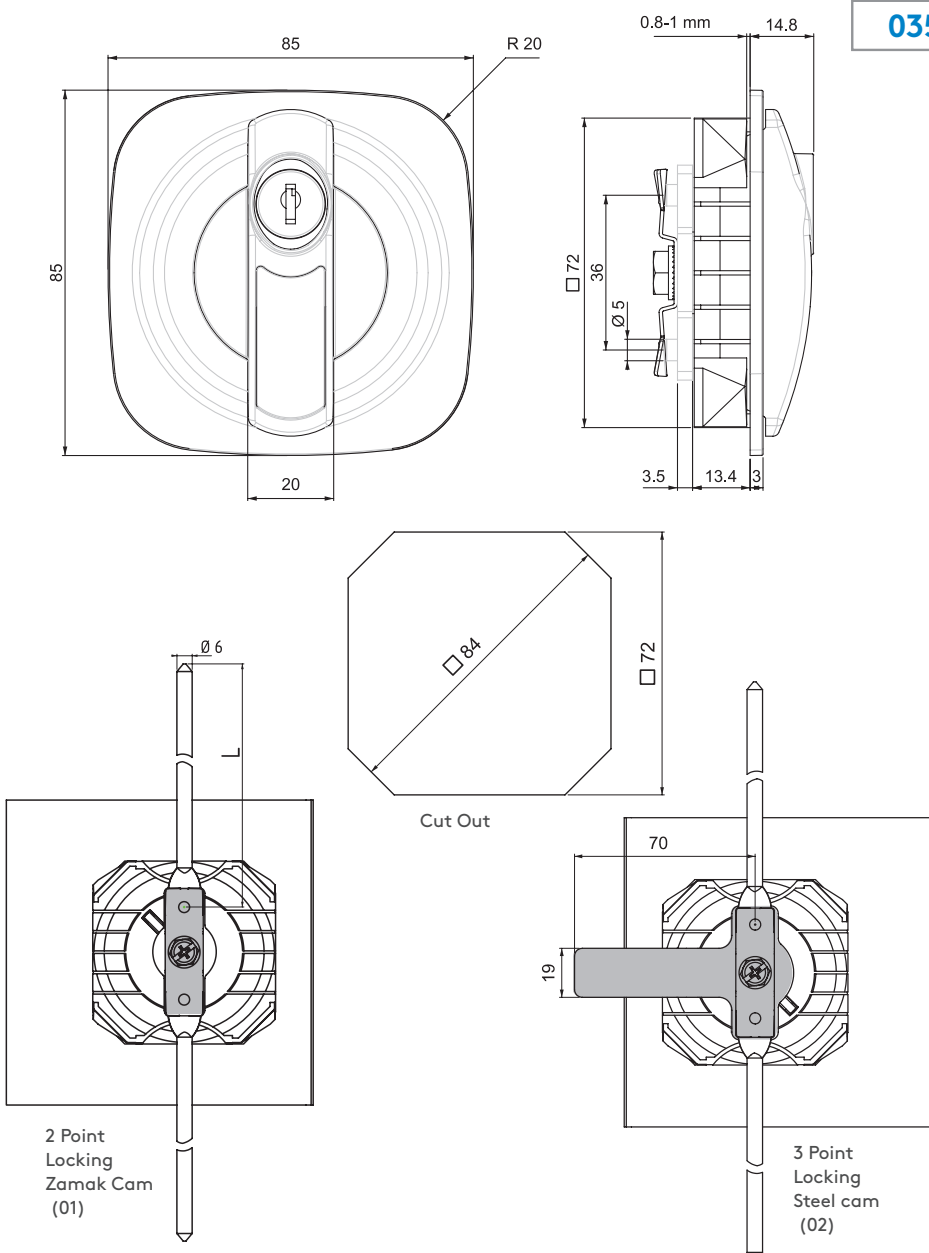
- Suitable for steel cupboards
- Easy rod assembly with special fixing plate
- Easy assembly with clips on body
- Two- or three-point locking optional

APPLICATIONS

Steel Cupboard

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 Pa6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1



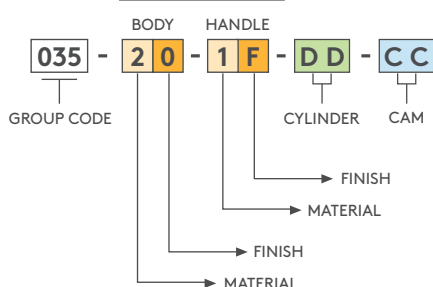
01

Zamak cam

02

Steel cam

PRODUCT CODE



MATERIAL	M
Zamak	1
Plastic	2

FINISH	F
Chrome	1
Black coated	2
Gray coated	3
No finish	0

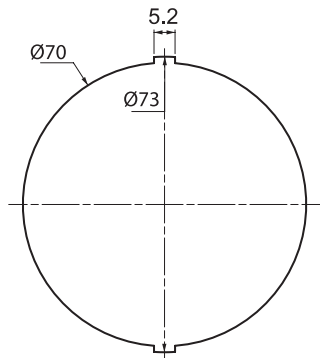
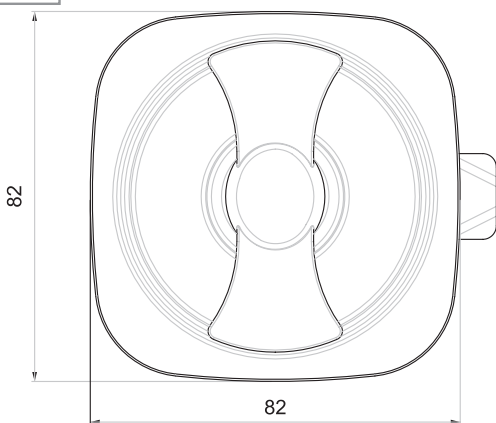
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02
	Master system	04



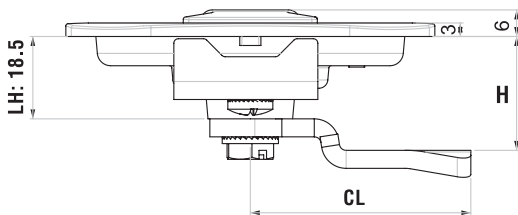
STEEL CUPBOARD LOCKS

FIRE HOSE CABINET LOCK

013



Cut Out



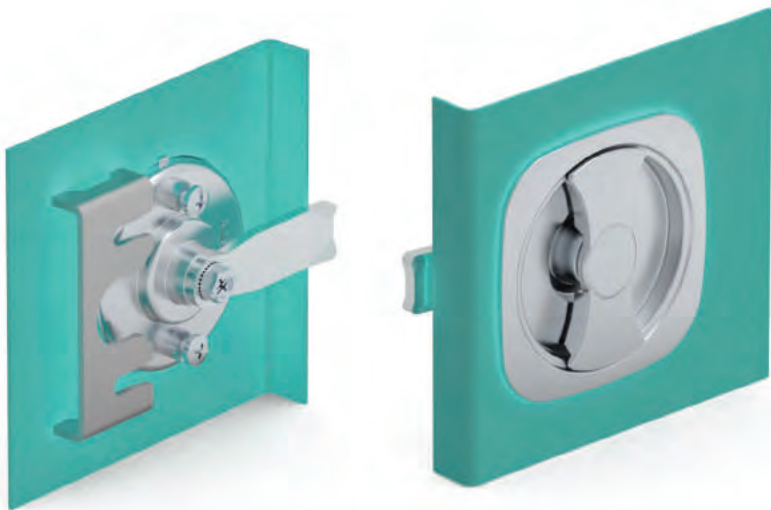
- Designed for fire-hose cabinets
- Special fixing-plate supplied for easy fixing
- Flush design provides flat surface on cabinet
- Customized colours available

APPLICATIONS

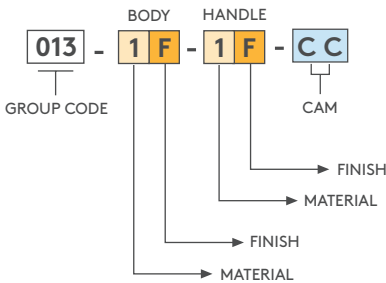
Fire hose cabinet

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
FIXING PLATE: Steel



PRODUCT CODE



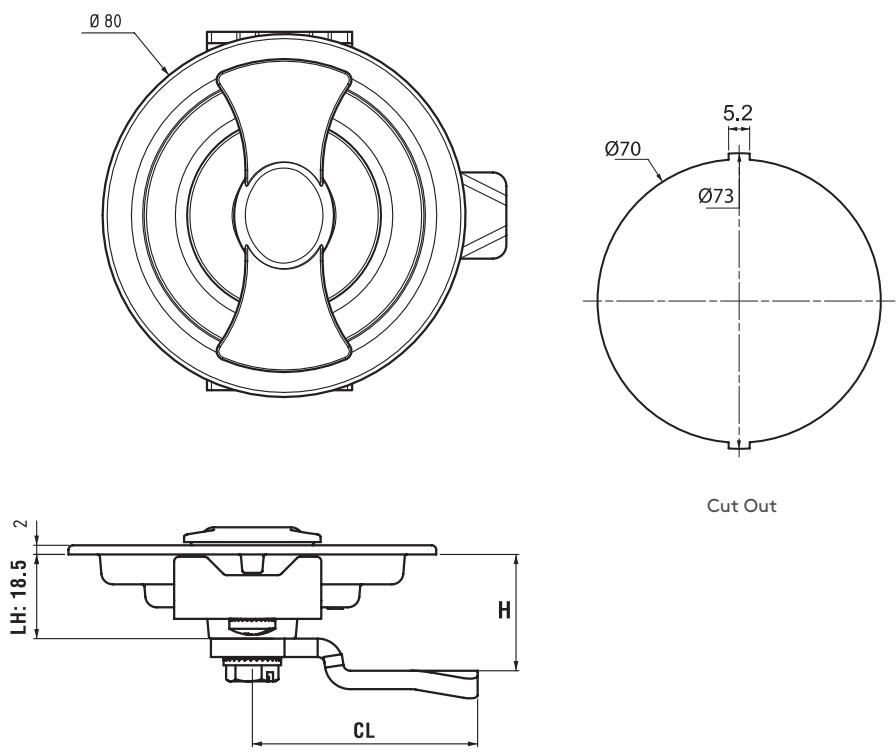
MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2



For cams please check pages: 144 - 145

013

FIRE-HOSE CABINET LOCK

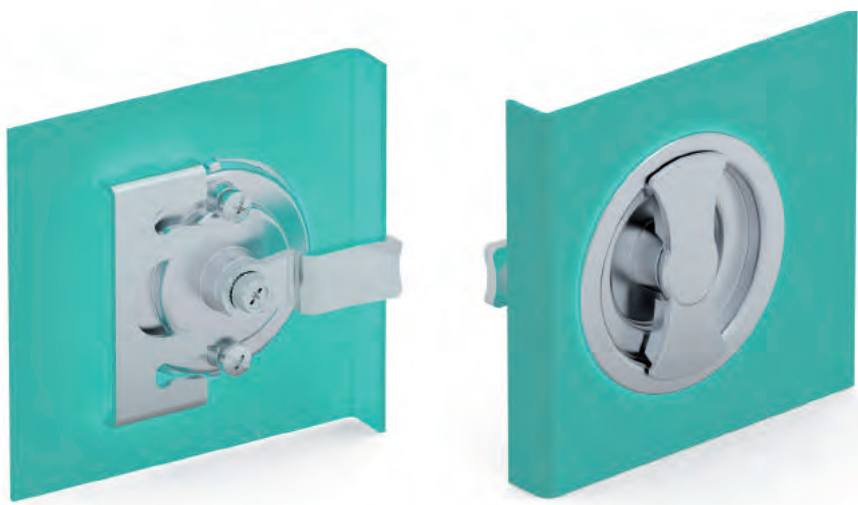


- Designed for fire-hose cabinet
- Special fixing plate supplied for easy fixing
- Flush design provides flat surface on cabinet
- Customized colours available

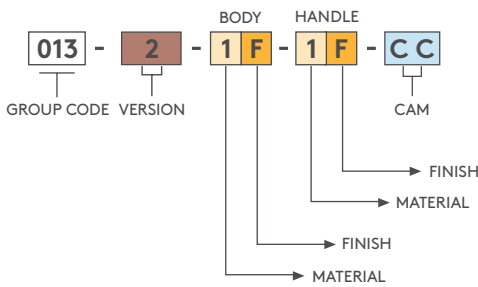
APPLICATIONS
Fire hose cabinet

MATERIAL

- BODY: Zamak DIN-EN 1774-ZnAl4Cu1
- KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
- CAM: Steel
- FIXING PLATE: Steel

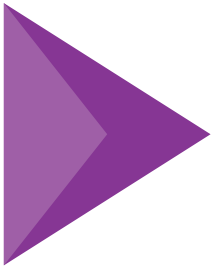


PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

For cams please check pages: 144 - 145

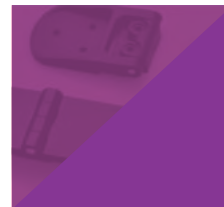


HINGES



SIDE HINGES

GROUP CODE	PRODUCT NAME	
090	SIDE HINGE (10 MM)	
091	SIDE HINGE (12 MM)	
092	SIDE HINGE (12 MM)	
192	SIDE HINGE (12 MM)	
093	SIDE HINGE (16 MM)	
193	SIDE HINGE (16 MM)	
793	SIDE HINGE	
893	SIDE HINGE	
191	SIDE HINGE	
293	SIDE HINGE	
393	SIDE HINGE	
493	SIDE HINGE	
593	SIDE HINGE	
693	SIDE HINGE	



ESSENTRA

PAGE

254

254

254

255

255

255

256

257

258

259

260

261

262

263



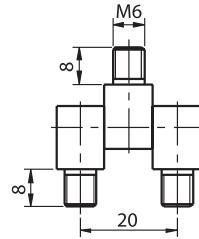
SIDE HINGES

SIDE HINGE (10 mm)

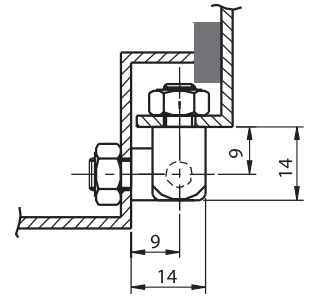
090



LH/RH



Hinge Rotation Angle



- Side-mounted hinge
- Three 10 mm brass parts supplied separately. For different dimensions contact Essentra

MATERIAL	M
Brass	3

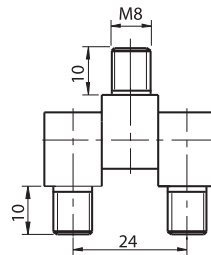
FINISH	F
No finish	0
Nickel	4

SIDE HINGE (12 mm)

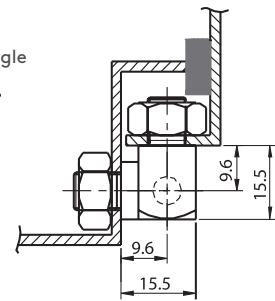
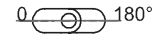
091



LH/RH



Hinge Rotation Angle



- Side-mounted hinge
- Three 12 mm brass parts supplied separately. For different dimensions contact Essentra Components

MATERIAL	M
Brass	3

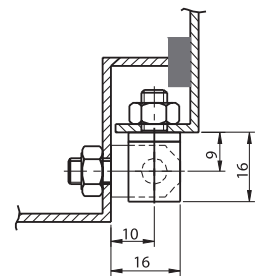
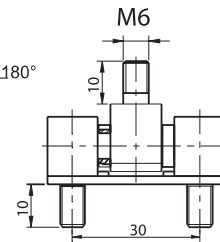
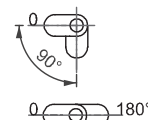
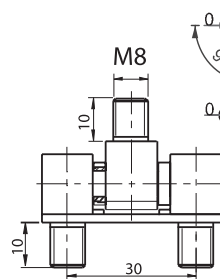
FINISH	F
No finish	0
Nickel	4

SIDE HINGE (12 mm)

092



LH/RH



M8 → 092 M-F- 8-90°
092 M-F- 8-180°

M6 → 092 M-F- 6-90°
092 M-F- 6-180°

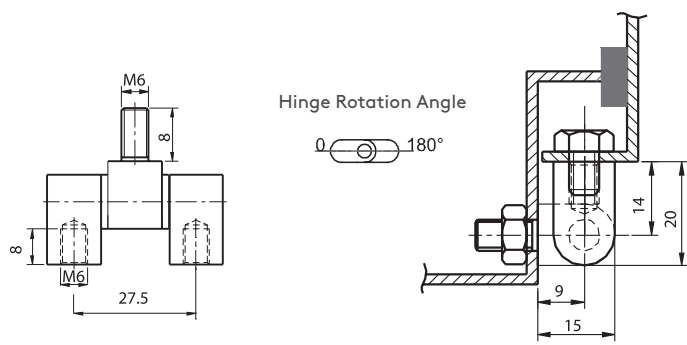
PRODUCT CODE

	-	3	-	F
GROUP CODE		MATERIAL		FINISH

MATERIAL	M
Brass	3

FINISH	F
No finish	0
Chrome	1

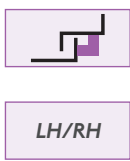
- Stainless steel version: page:476
- Side-mounted hinge
- Brass 12 mm parts and bearings
- Parts are assembled by fixing plate. For different dimensions contact Essentra Components
- 90° and 180° angle versions are available



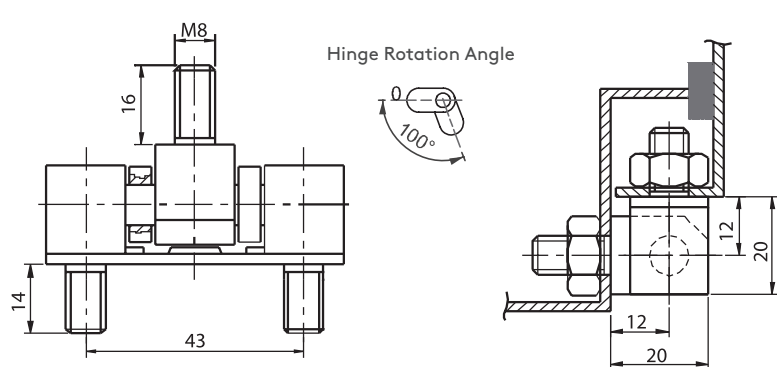
MATERIAL	M	FINISH	F
Brass	3	Chrome	1

192

SIDE HINGE (12 mm)



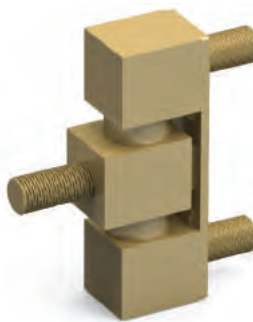
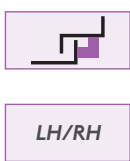
- Side-mounted hinge
- Brass 12 mm parts and bearings
- Parts tightly fitted



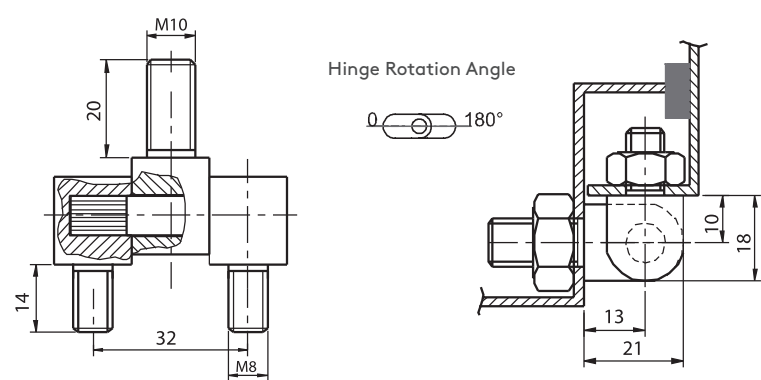
MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Chrome	1

093

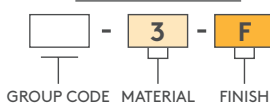
SIDE HINGE (16 mm)



- Side-mounted hinge
- Brass 16 mm parts and bearings
- Parts assembled by fixing plate



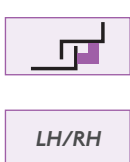
PRODUCT CODE



MATERIAL	M	FINISH	F
Brass	3	Chrome	1

193

SIDE HINGE (16 mm)

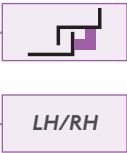


- Stainless steel version: page 477
- Side-mounted hinge
- Brass 16 mm parts
- Parts tightly fitted

SIDE HINGES

SIDE HINGE

793



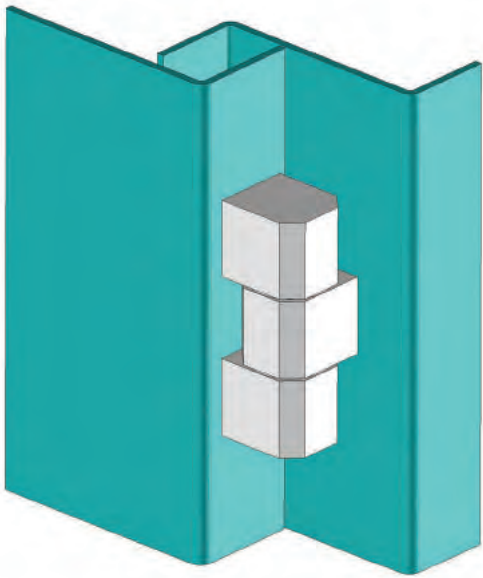
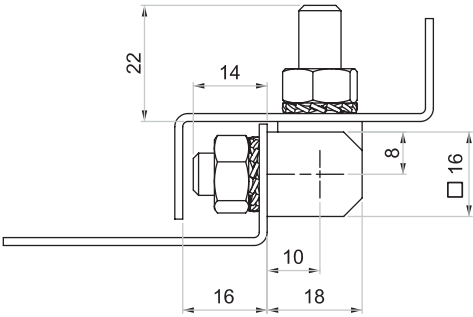
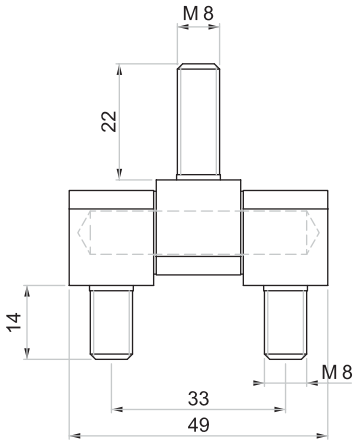
LH/RH

- For medium voltage and heavy door panels
- Hinge parts produced from hardened steel

APPLICATIONS
Electric panels, machinery covers

MATERIAL
Steel

FINISH
Zinc plated



Hinge Rotation Angle



 **Note:** Nuts and washers are not supplied.

PRODUCT CODE

793 - **6** - **3**
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

893

SIDE HINGE



LH/RH

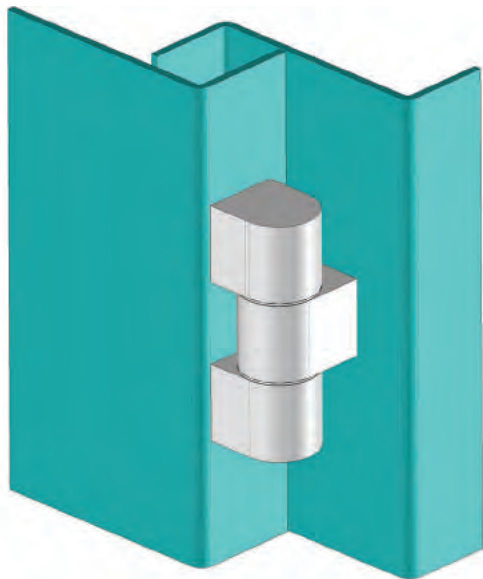
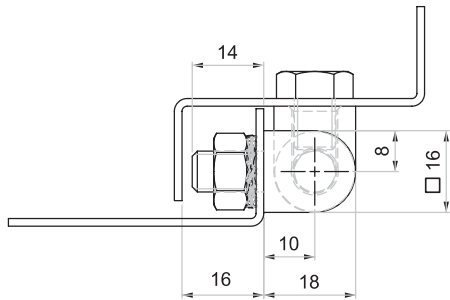
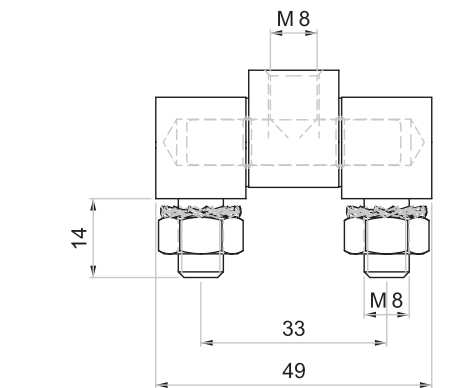


- For medium voltage and heavy door panels
- Assembled using special screws (supplied)
- Parts supplied separately

APPLICATIONS
Electric panels, machinery covers

MATERIAL
C45 Steel

FINISH
Zinc plated



PRODUCT CODE

893 - 6 - 3

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

Hinge Rotation Angle



Note: Nuts and washers are not supplied.

▶ SIDE HINGES

SIDE HINGE (10 mm)

191



LH/RH



- Side-mounted hinge
- Steel 12 mm parts

APPLICATIONS

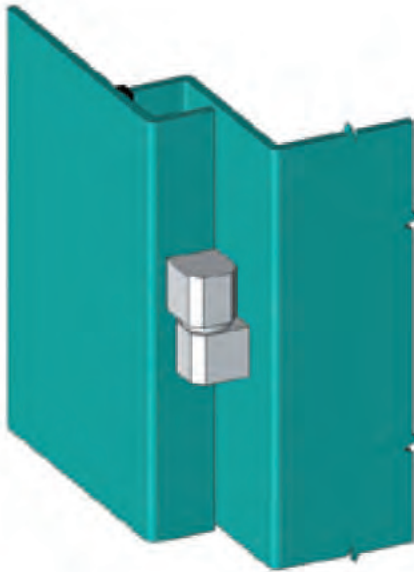
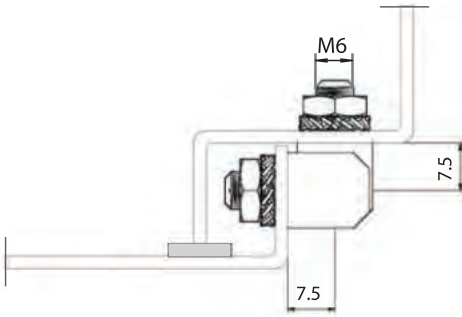
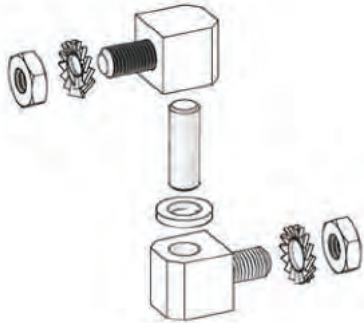
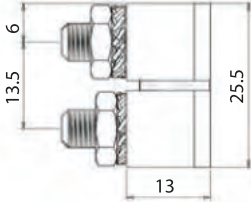
Electric panels, machinery covers

MATERIAL

Steel

FINISH

Zinc plated



Hinge Rotation Angle



Note: Nuts and washers are supplied.

PRODUCT CODE

191 - 6 - 3

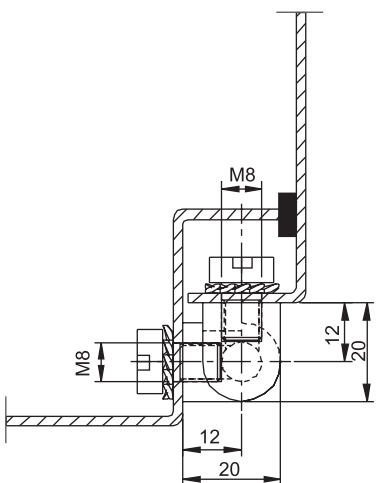
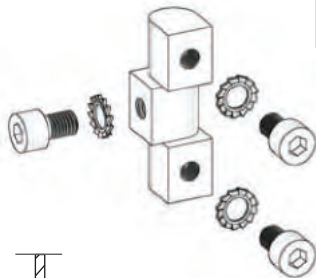
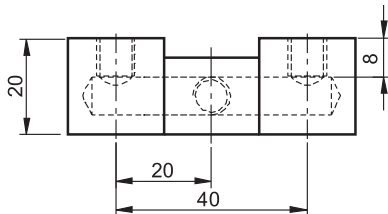
GROUP CODE MATERIAL FINISH

293

SIDE HINGE



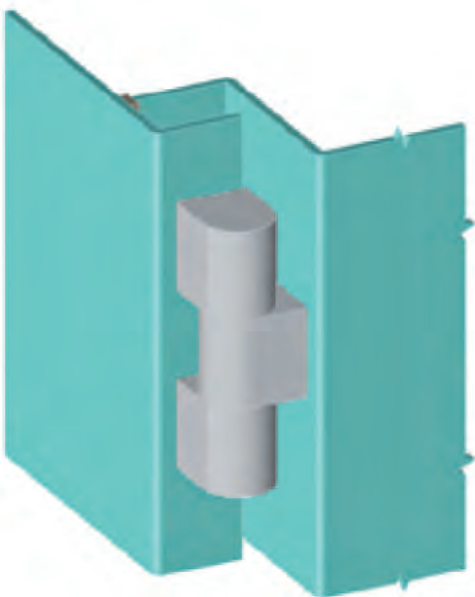
LH/RH



- For medium voltage and heavy door panels
- Chrome-plated brass
- Assembled using special screws (supplied)
- Parts supplied separately

APPLICATIONS
Electric panels, machinery covers

MATERIAL
BRASS: DIN 17672 CuZn39Pb3



PRODUCT CODE

293 - 3 - 1
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Brass	3	Chrome	1

Hinge Rotation Angle
0° 180°

Note: Bolts and washers are supplied

SIDE HINGES

SIDE HINGE

393



LH/RH



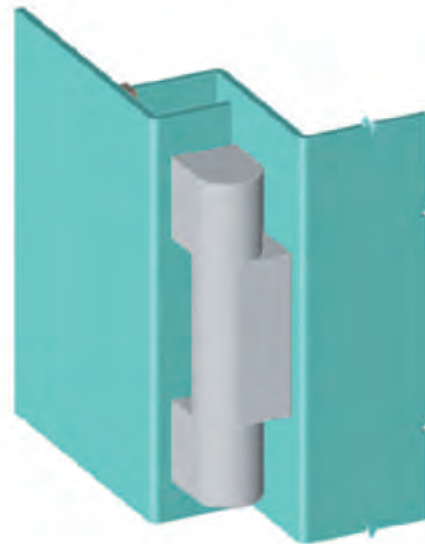
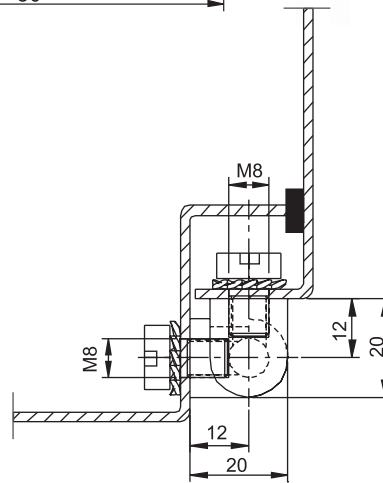
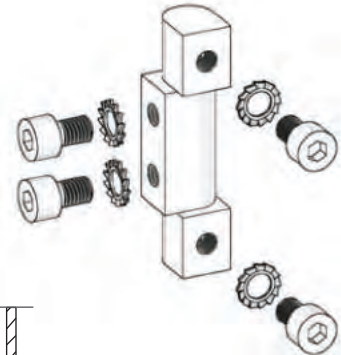
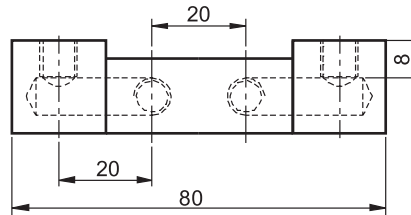
- For medium voltage and heavy door panels
- Chrome-plated brass
- Assembled using special screws (supplied)
- Parts supplied separately

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BRASS: DIN 17672 CuZn39Pb3



Hinge Rotation Angle



Note: Bolts and washers are supplied

PRODUCT CODE

393 - 3 - 1

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Brass	3	Chrome	1

493

SIDE HINGE

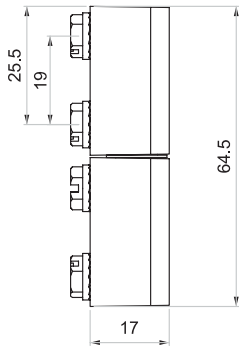


- Lift-off hinge
- Suitable for left- and right-hand applications
- Maximum hinge rotation 180°
- For heavy doors, version 2 is recommended due to its stainless steel properties

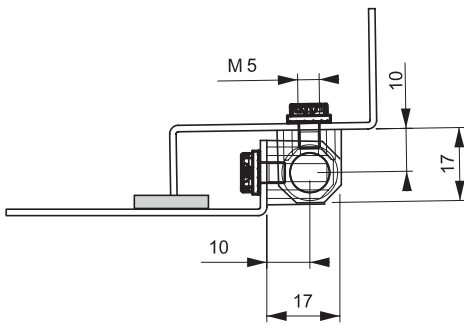
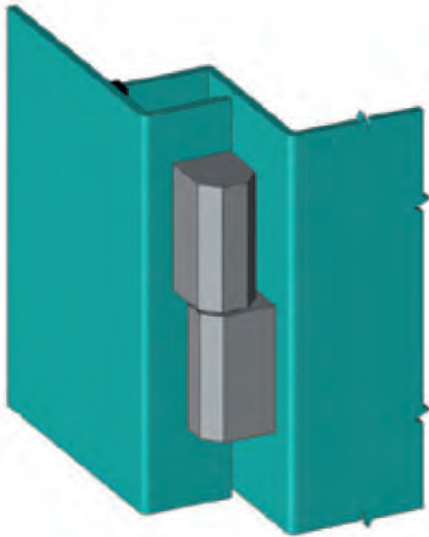
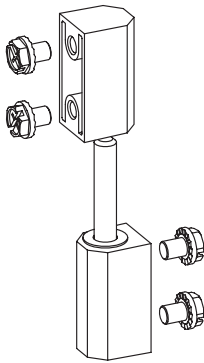
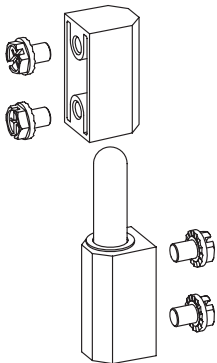
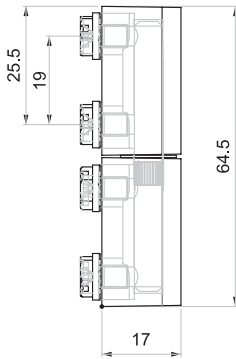
APPLICATIONS
Electric panels, machinery covers

MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1
PIN: V1: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: V2: Stainless Steel

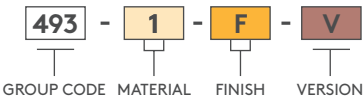
V : 1
Fixed zamak pin



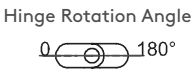
V : 2
Stainless steel pin



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2



⚠ Note: Bolts are supplied

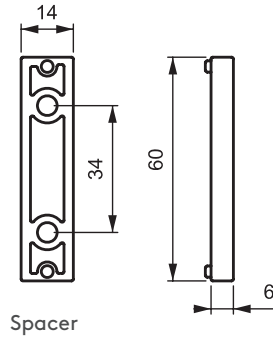
SIDE HINGES

SIDE HINGE

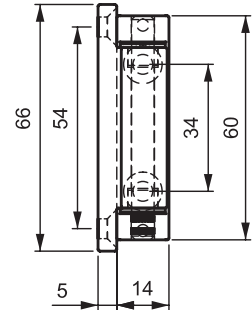
593



LH/RH



Spacer



Spacer version
593 1-F-25

Standard version
593 1-F-19

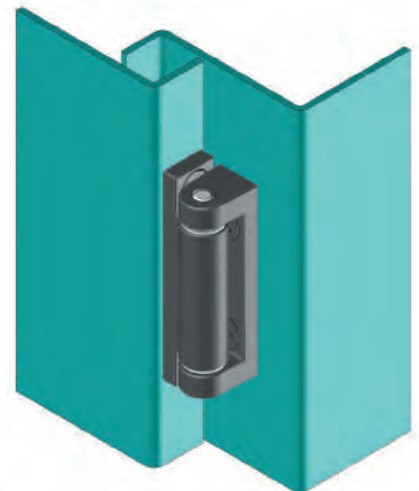
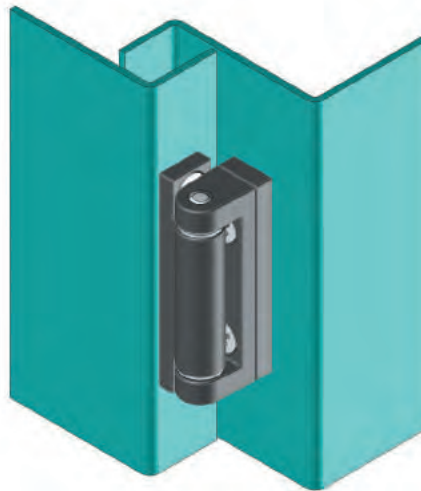
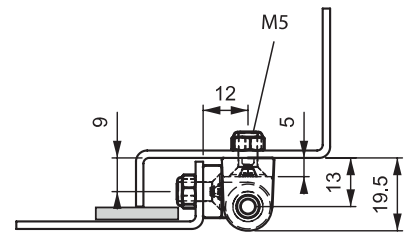
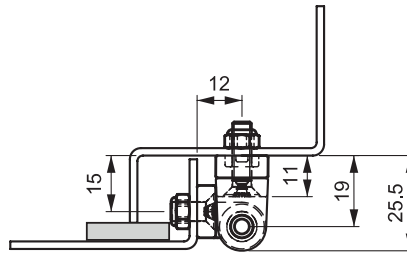
- Spacer bar available for different dimensions
- Stainless steel hinge pin

APPLICATIONS

Electric panels, machinery covers

MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

593	-	1	-	F	-	H
GROUP CODE		MATERIAL		FINISH		HEIGHT

MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2

693

SIDE HINGE



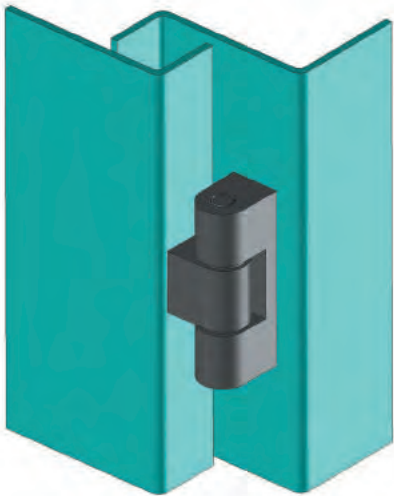
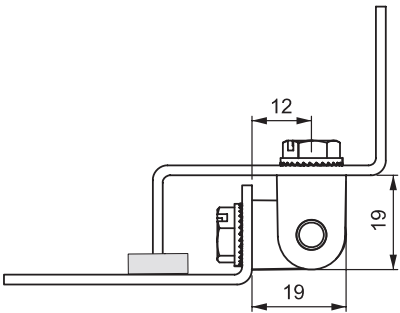
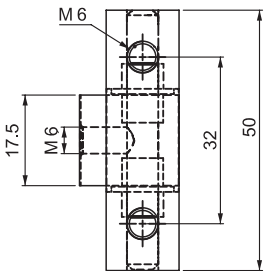
LH/RH



- Side-mounted hinge
- Stainless steel hinge pin
- Supplied assembled

APPLICATIONS
Electric panels, machinery covers

MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel



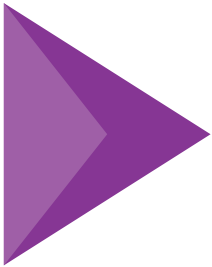
PRODUCT CODE

693 - 1 - F
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle





HINGES



CONCEALED HINGES

GROUP CODE	PRODUCT NAME
094	CONCEALED HINGE
194	CONCEALED HINGE
096	CONCEALED HINGE
296	CONCEALED HINGE
196	CONCEALED HINGE
1495	CONCEALED HINGE
095	CONCEALED HINGE
195	CONCEALED HINGE
995	CONCEALED HINGE
895	CONCEALED HINGE
1095	CONCEALED HINGE
295	CONCEALED HINGE
395	CONCEALED HINGE
695	CONCEALED HINGE
795	CONCEALED HINGE
1795	CONCEALED HINGE
189	SPRING LOADED
389	SPRING LOADED
089	SPRING LOADED
289	CONCEALED HINGE
394	CONCEALED HINGE
294	CONCEALED HINGE
595	CONCEALED HINGE



ESSENTRA

PAGE

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CONCEALED HINGES

CONCEALED HINGE

094



LH/RH

- For 25 mm folded doors
- Middle part copper plated for easy welding

APPLICATIONS

Electric panels, machinery covers

MATERIAL

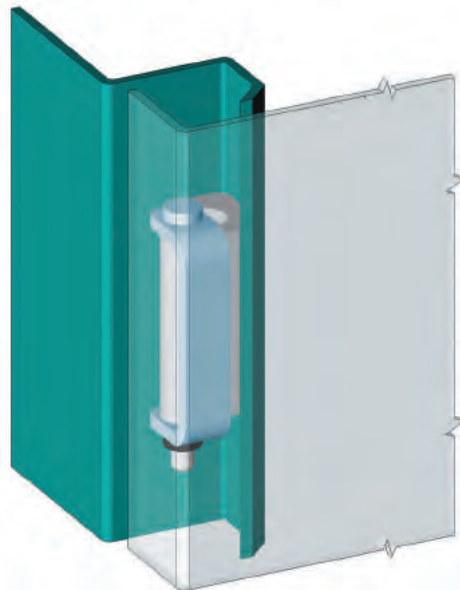
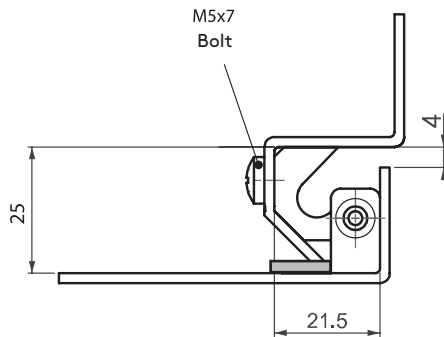
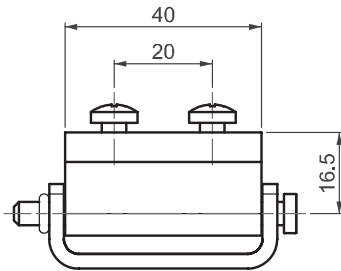
BODY: Zamak DIN-EN 1774-ZnAl4Cu1 or Aluminium

FIXED PART: Steel

FINISH

BODY: No finish

FIXED PART: Copper plated



Hinge Rotation Angle



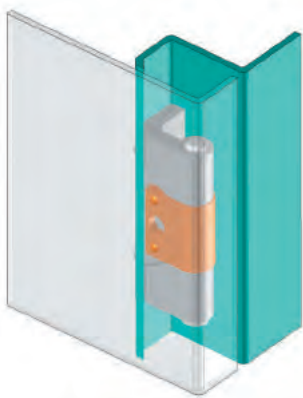
Note: Bolts are supplied

PRODUCT CODE

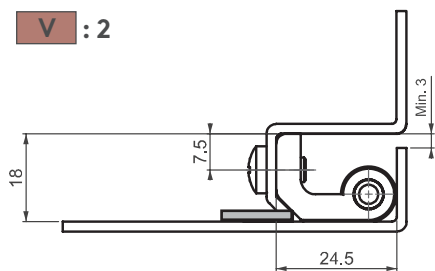
094 - M - F

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Aluminium	5	Matte anodized	7



V : 2

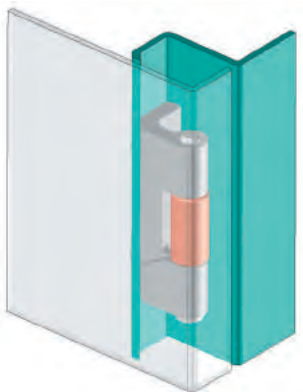


194

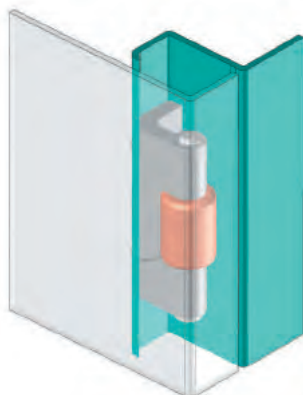
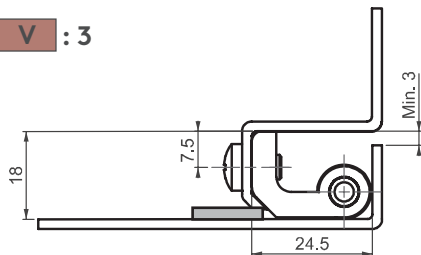
CONCEALED HINGE



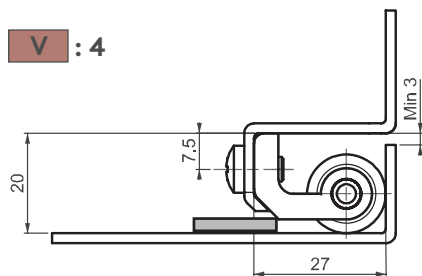
LH/RH



V : 3



V : 4



- For doors with a bend of between 18 mm and 27 mm
- Centre part copper plated for easy welding
- The centre part available in different versions

APPLICATIONS

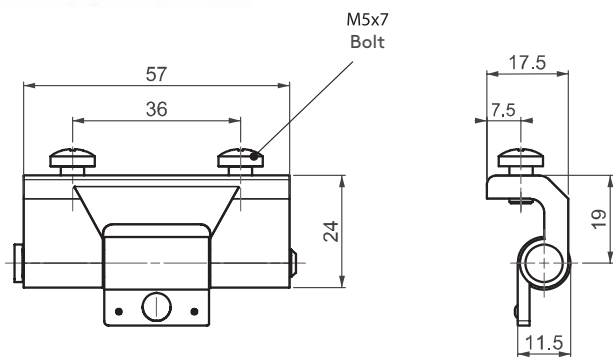
Electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FIXED PART: Steel

FINISH

BODY: No finish
WELDING PART: Copper plated



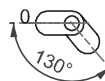
M5x7 Bolt

PRODUCT CODE

194 - V

GROUP CODE VERSION

Hinge Rotation Angle



Note: Bolts are supplied

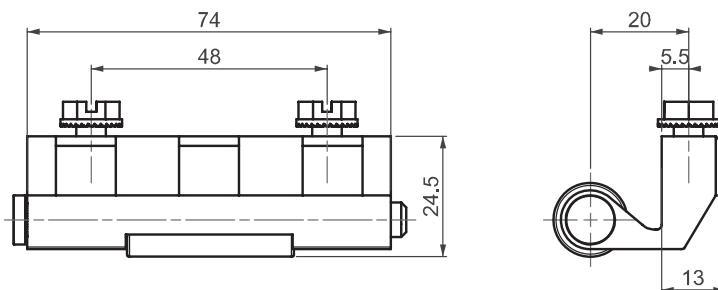
► CONCEALED HINGES

CONCEALED HINGE

096



LH/RH



- For doors with a 24.5 mm bend
- Suitable for both panel and door-profile fixing

APPLICATIONS

Electric panels, machinery covers

MATERIAL

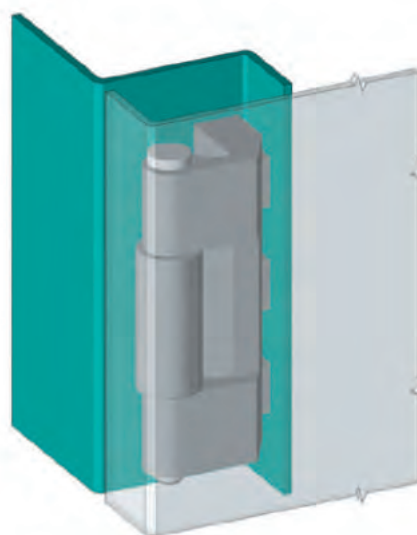
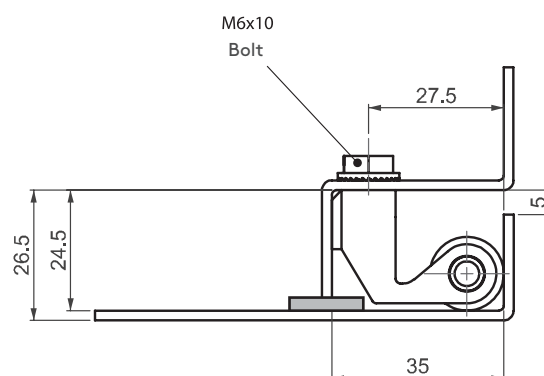
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FIXED PART: Steel

FINISH

BODY: No finish

WELDING PART: Copper plated



Hinge Rotation Angle

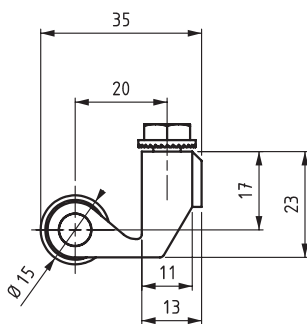
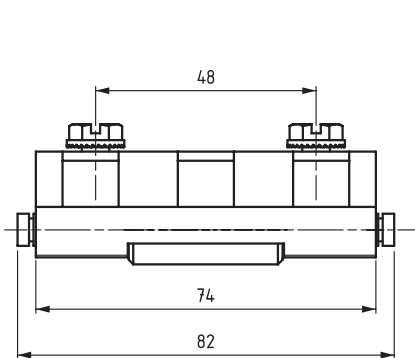


⚠ Note: Bolts are supplied

PRODUCT CODE

096 - 1 - 3

GROUP CODE MATERIAL FINISH

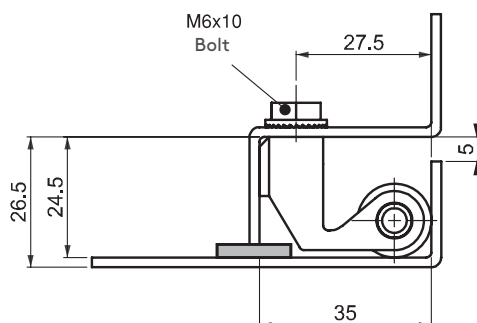
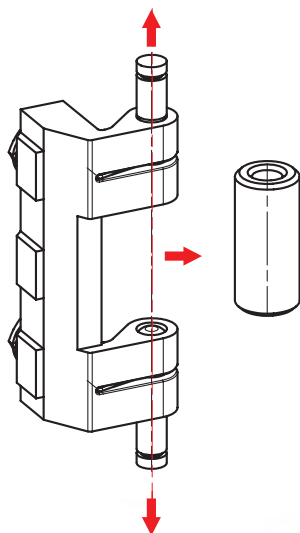


096

CONCEALED HINGE



LH/RH



- Door can be taken out of frame without removing the pins
- Easy assembly
- Suitable for 25 mm door bend

APPLICATIONS

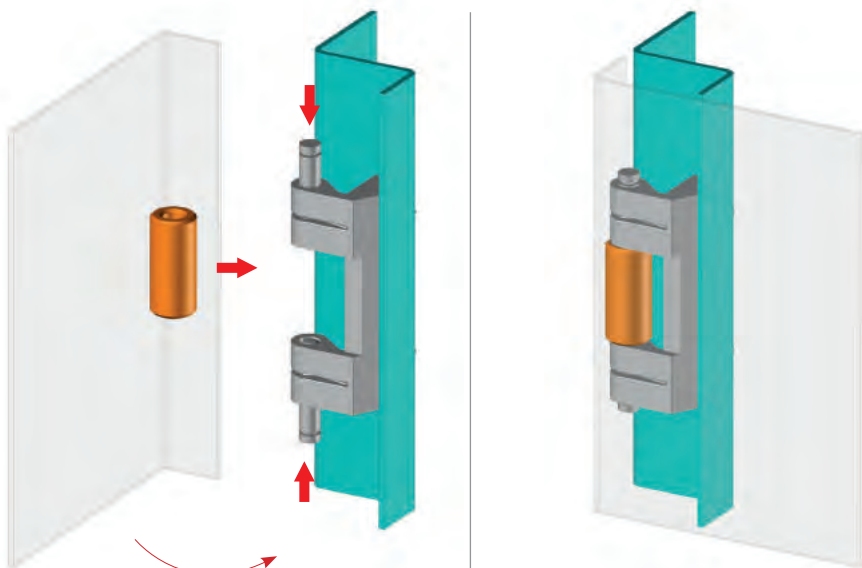
Electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FIXED PART: Steel
PIN: Stainless Steel

FINISH

BODY: No finish
FIXED PART: Copper plated



PRODUCT CODE

096 - 1 - 3 - 2

GROUP CODE MATERIAL FINISH VERSION

Hinge Rotation Angle



Note: Bolts are supplied

► CONCEALED HINGES

CONCEALED HINGE

296



LH/RH



- For doors with a 23.5 mm bend.
- Smaller, more competitive alternative to 096 hinge

APPLICATIONS

Electric panels, machinery covers

MATERIAL

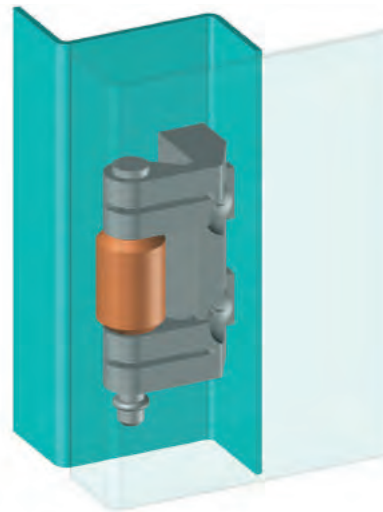
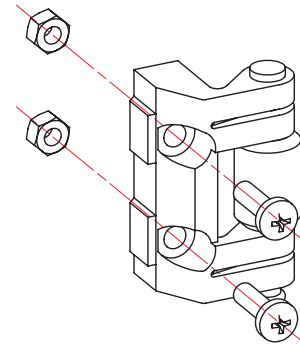
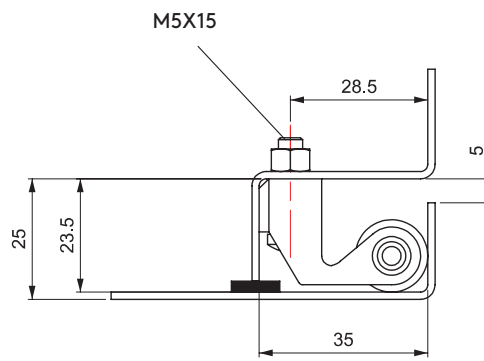
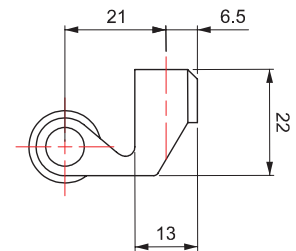
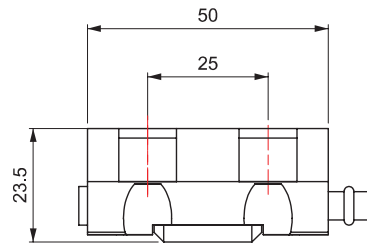
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FIXED PART: Steel

FINISH

BODY: No finish

WELDING PART: Copper plated



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

296 - 1 - 3 - 1

GROUP CODE MATERIAL FINISH VERSION

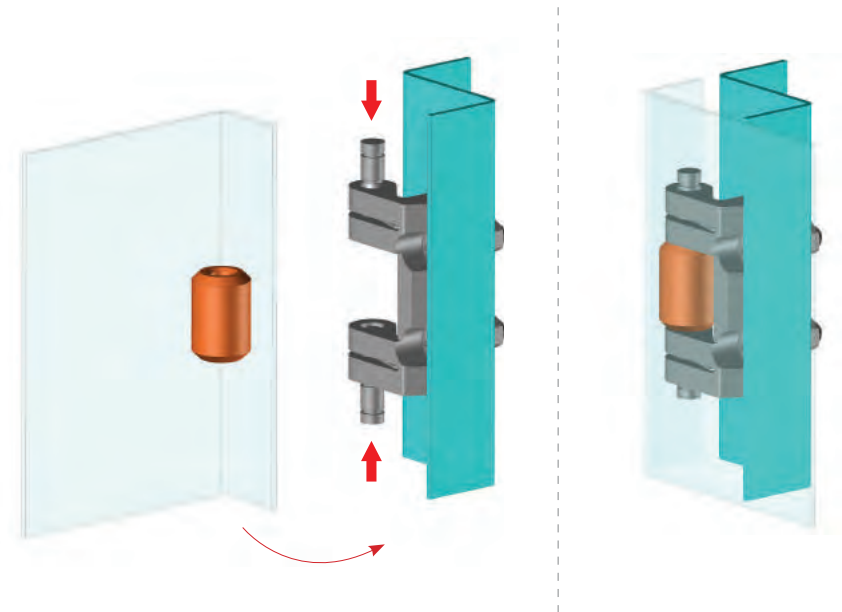
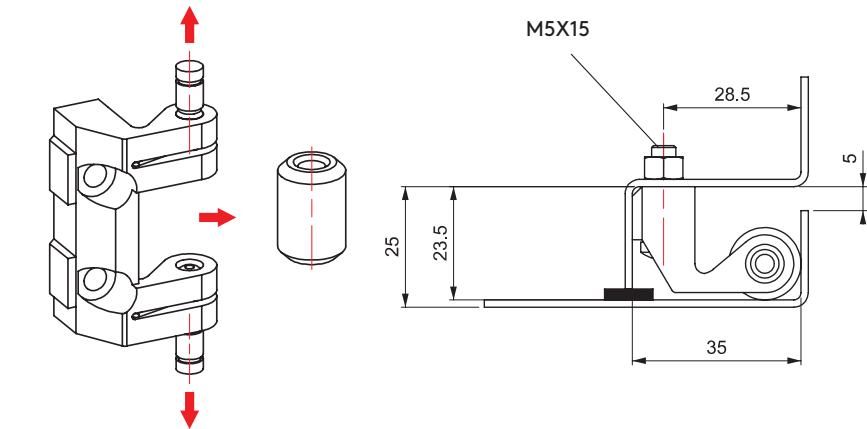
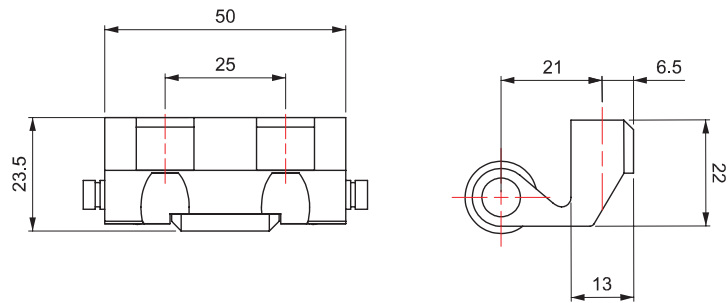
296

CONCEALED HINGE

New



LH/RH



- Door part can be removed out from frame part without removing the pins
- Provides easy assembly
- Suitable for 23.5mm door bend

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FIXED PART: Steel

FINISH

BODY: No finish
FIXED PART: Copper plated

Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

296 - 1 - 3 - 2
GROUP CODE MATERIAL FINISH VERSION

CONCEALED HINGES

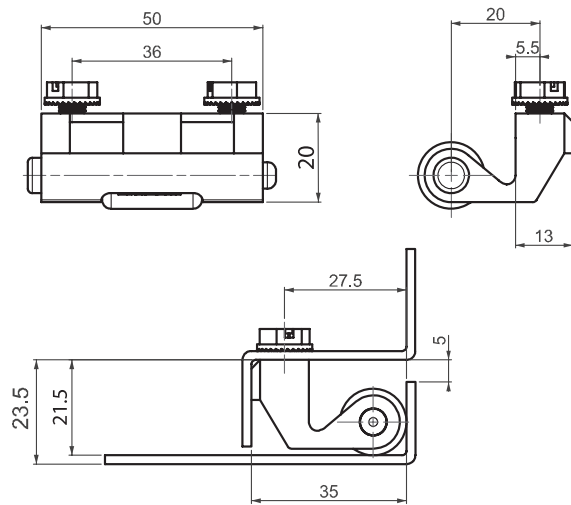
CONCEALED HINGE

196

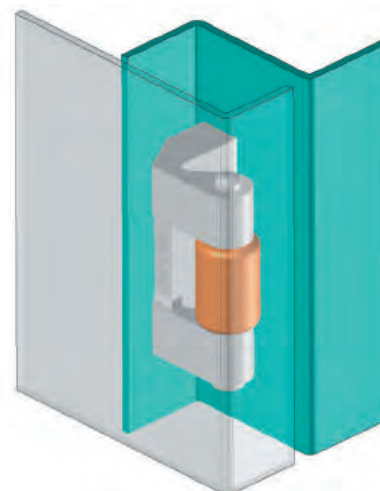
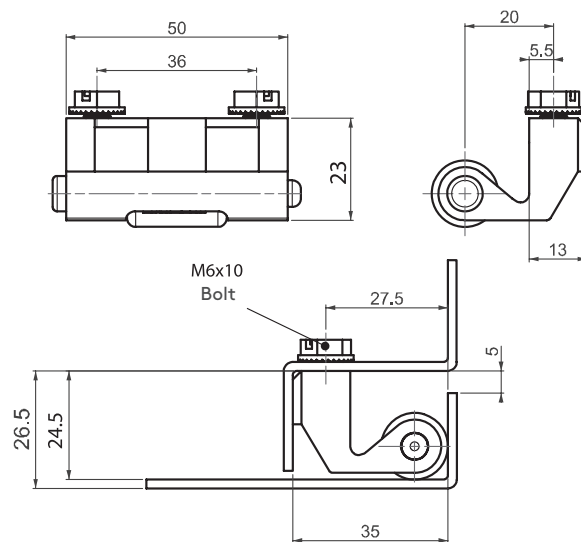


LH/RH

V : 20



V : 23



Hinge Rotation Angle

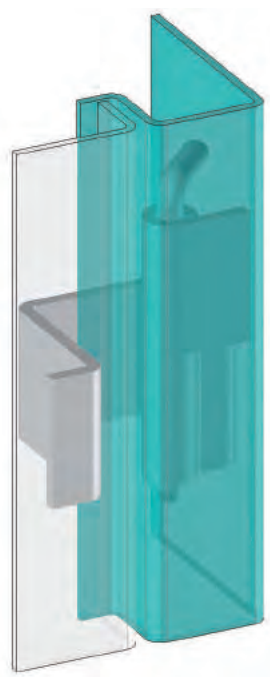
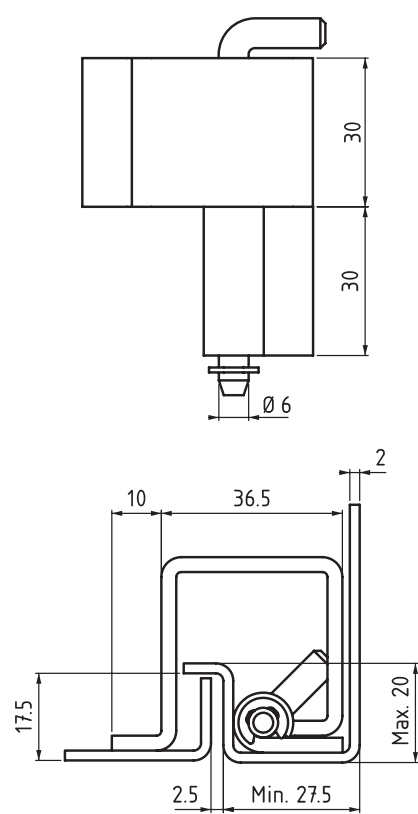


Note: Bolts are supplied

PRODUCT CODE

196 - V

GROUP CODE VERSION



1495

CONCEALED HINGE



LH/RH



- Frame part and door parts are welded on
- Used for special geometry profiles of the cabinets

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Steel
PIN: Steel

FINISH

No finish

PRODUCT CODE

1495 - 6 - 3

GROUP CODE

MATERIAL

FINISH

CONCEALED HINGES

CONCEALED HINGE

095



LH/RH

- **Stainless steel version: page 458**
- For doors with a bend of 22.5 mm or more. Available drilled with two holes or with two-mounting studs.
- Centre part available in different versions

APPLICATIONS

Electric panels, machinery covers

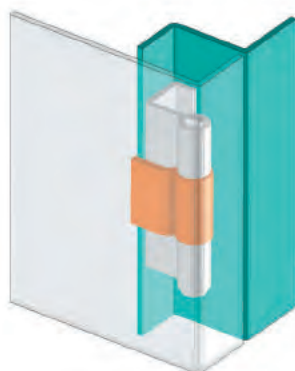
MATERIAL

Steel

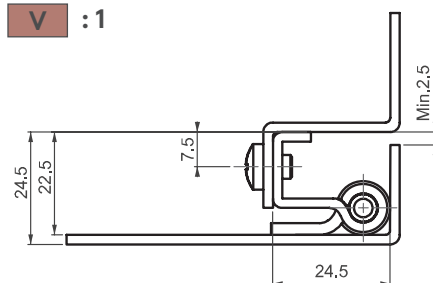
FINISH

BODY: Zinc plated

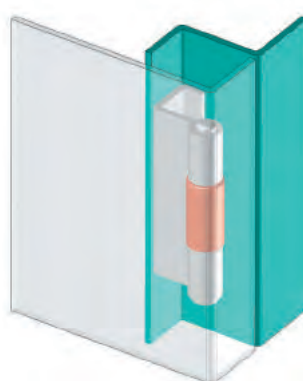
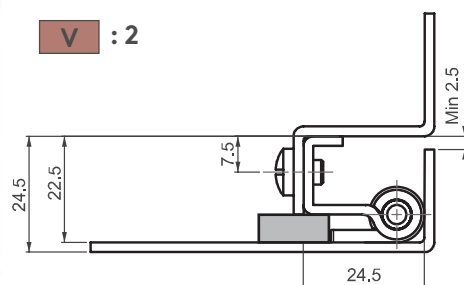
WELDING PART: Copper plated



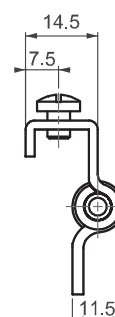
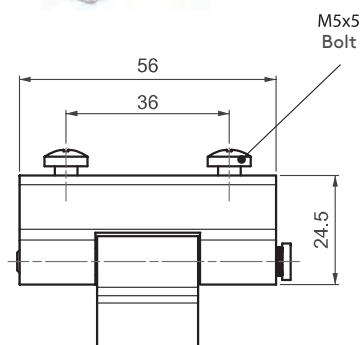
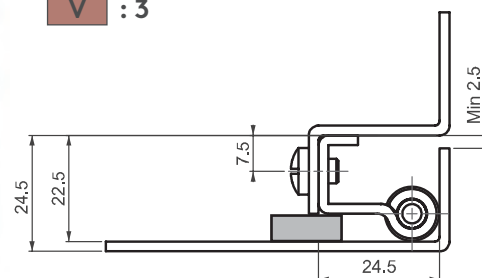
V : 1



V : 2



V : 3



Hinge Rotation Angle



Note: Bolts are supplied

PRODUCT CODE

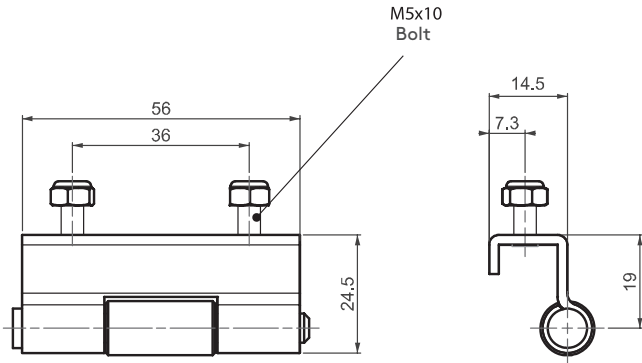
095	-	6	-	3	-	V	-	0
GROUP CODE		MATERIAL		FINISH		VERSION		HOLE

095

CONCEALED HINGE



LH/RH

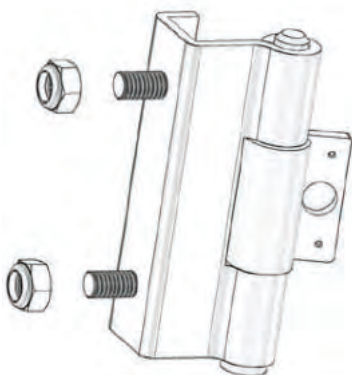


- For doors with a bend of 22.5 mm or more
- Available drilled with two holes or with two-mounting studs
- Centre part available in different versions

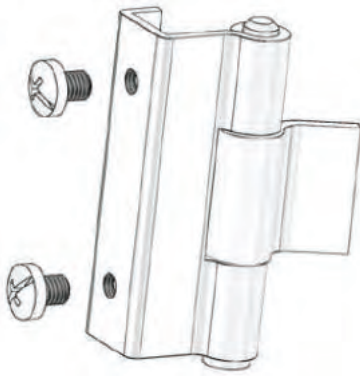
APPLICATIONS
Electric panels, machinery covers

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated



Stud



Hole

Hinge Rotation Angle



Note: Bolts are supplied

PRODUCT CODE

095	-	6	-	3	-	V	-	1
GROUP CODE		MATERIAL		FINISH		VERSION		STUD

CONCEALED HINGES

CONCEALED HINGE

195



LH/RH

- For doors with a bend of between 23.5 mm and 25.5 mm
- Easily fixed to panel or door profile

APPLICATIONS

Electric panels, machinery covers

MATERIAL

Steel

FINISH

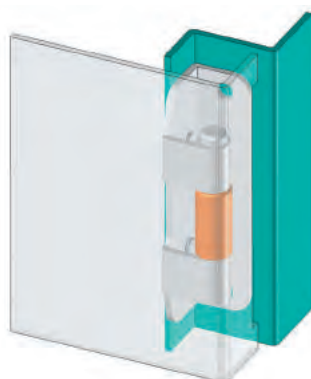
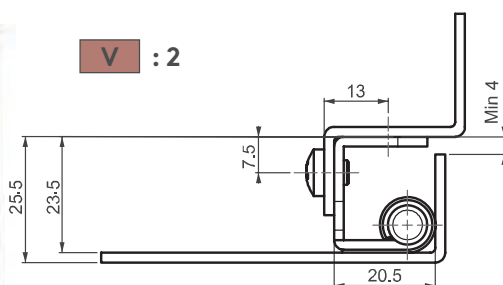
BODY: Zinc plated

WELDING PART: Copper plated

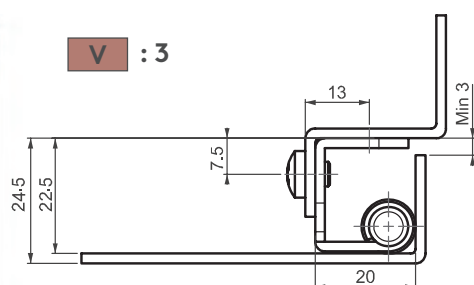
Fixed: 1



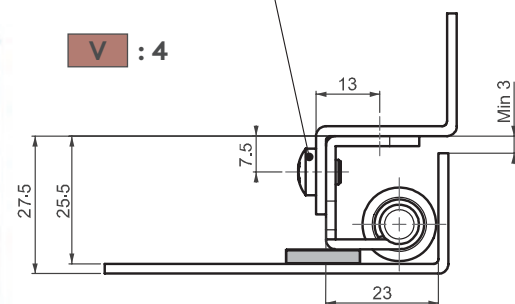
V : 2



V : 3



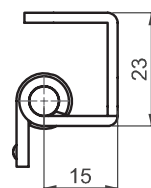
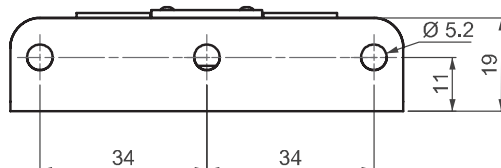
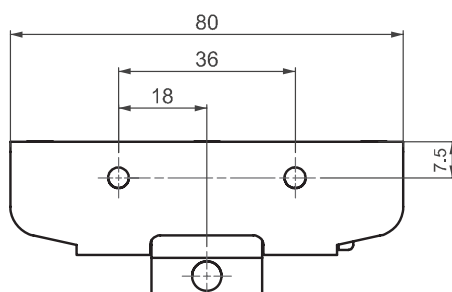
V : 4



Hinge Rotation Angle



Note: Bolts are supplied



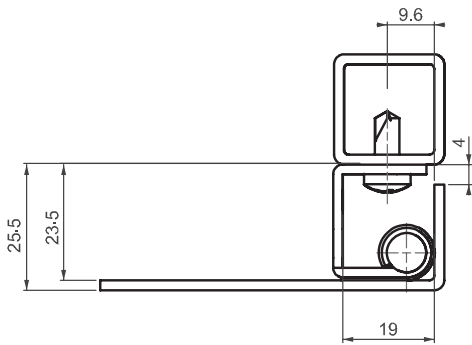
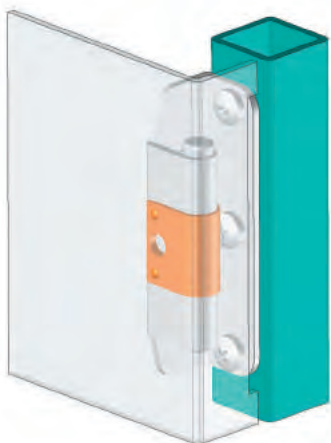
Fixed: 2
For profile body

195

CONCEALED HINGE



LH/RH



- For doors with a bend of between 23.5 mm and 25.5 mm
- Easily fixed to panel or door profile

APPLICATIONS

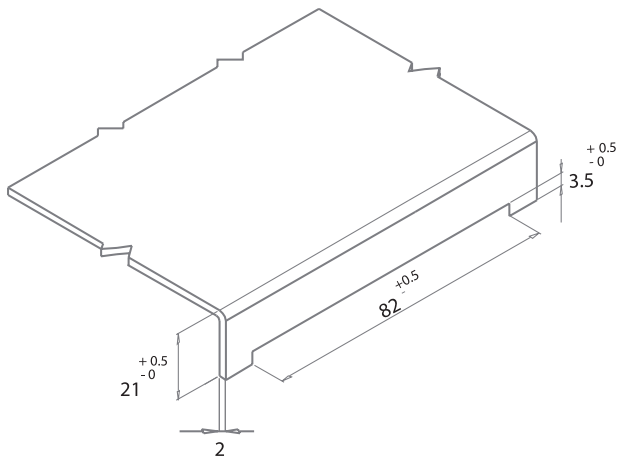
Electric panels, machinery covers

MATERIAL

Steel

FINISH

BODY: Zinc plated
WELDING PART: Copper plated



PRODUCT CODE

195 - V

GROUP CODE VERSION

Hinge Rotation Angle



Note: Bolts are supplied

CONCEALED HINGES

CONCEALED HINGE

995



LH/RH

- **Stainless Steel version:**
page: 459
- Side part can be mounted with M5 screws
- Centre part copper plated for easy welding
- Suitable for heavy-duty applications
- Suitable for 25 mm bend door cabinets

APPLICATIONS

Electric panels, machinery covers

MATERIAL

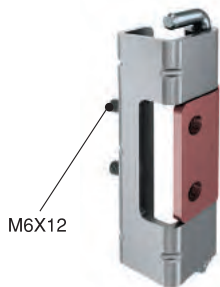
Steel

FINISH

BODY: Zinc plated
WELDING PART: Copper plated

Note: Bolts are not supplied

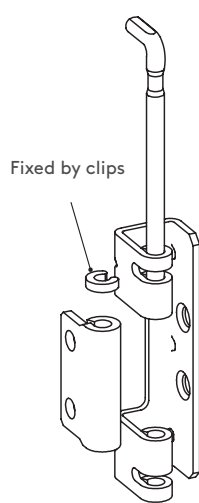
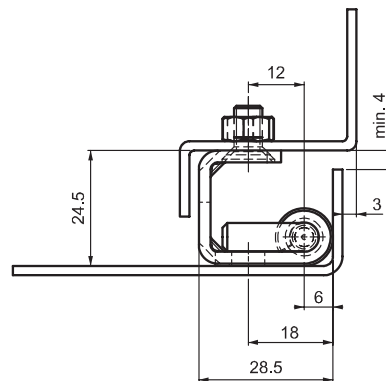
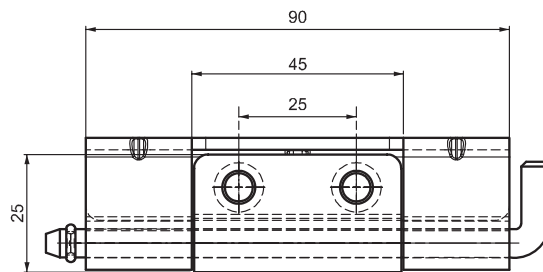
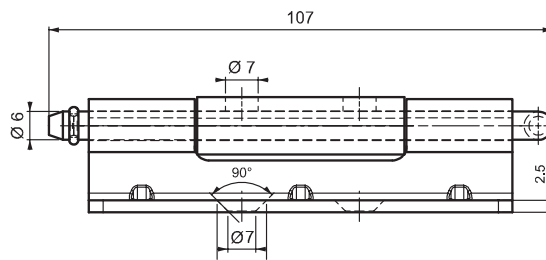
Stud version



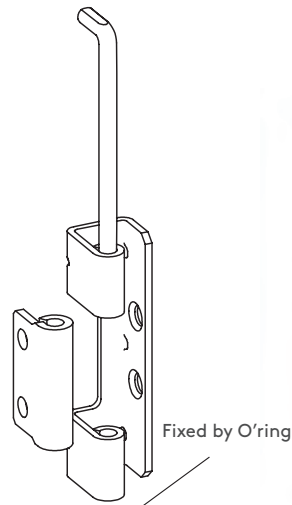
Hinge Rotation Angle



Note: Nuts are not supplied



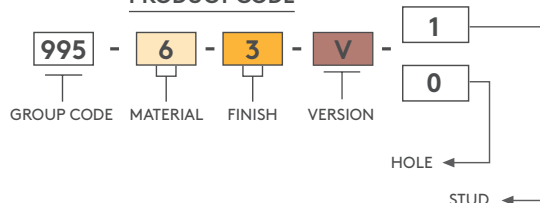
V:4



V:3

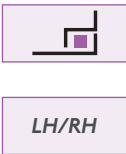
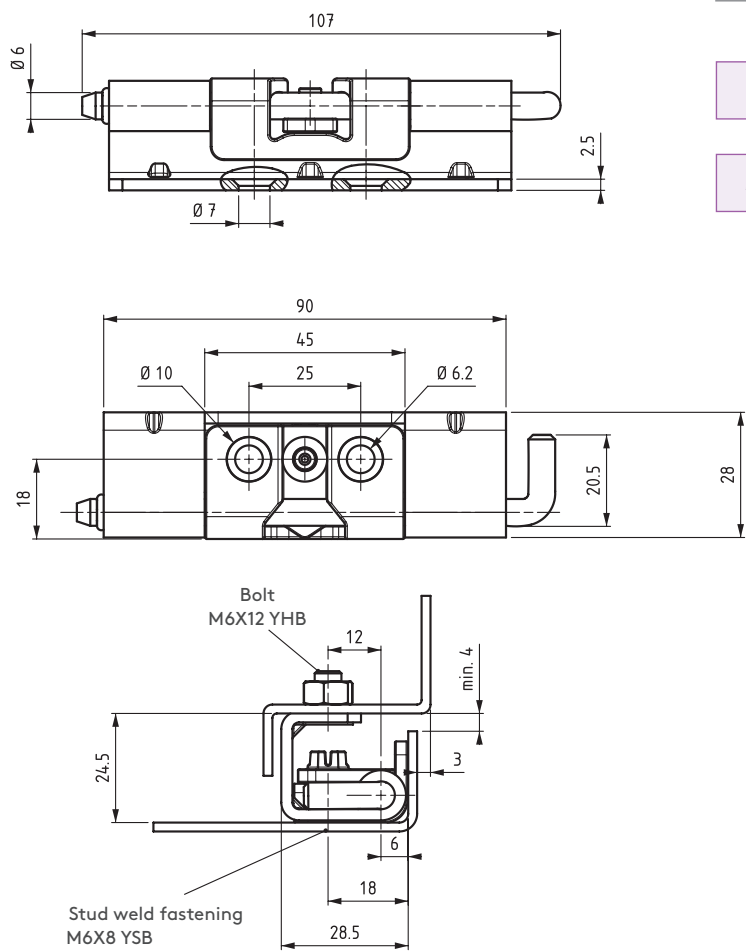


PRODUCT CODE



995

CONCEALED HINGE



- Suitable for heavy-duty applications
- Suitable for Left- and right-hand applications
- Suitable for 25 mm bend door cabinets
- Door part can be removed by a screw

APPLICATIONS
Electric panels, machinery covers

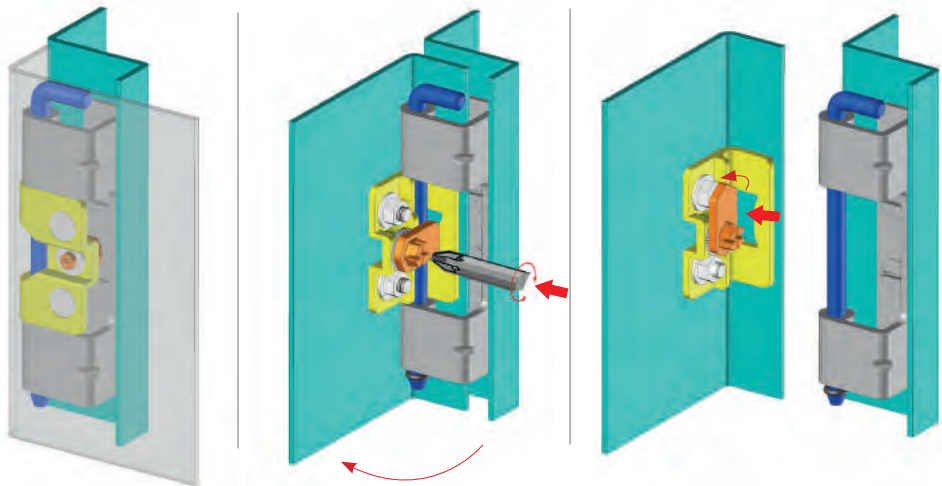
MATERIAL
BODY: Steel
WELDING PART: Zamak DIN-EN 1774-ZnAl4Cu1

FINISH:
BODY: Zinc plated
WELDING PART: Zinc plated

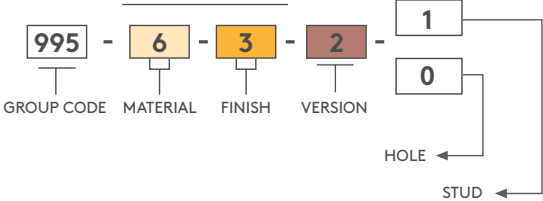
Position 1
Closed door

Position 2
After the door is opened, cam is rotated 90° with a screwdriver

Position 3
The cover is removed



PRODUCT CODE



Hinge Rotation Angle



Note: Bolts and nuts are not supplied

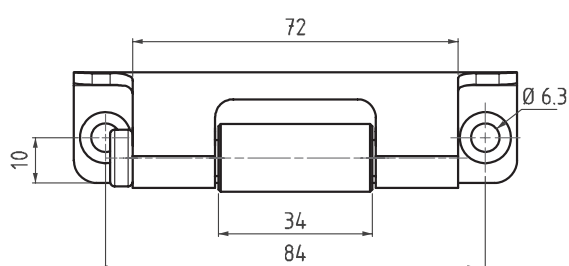
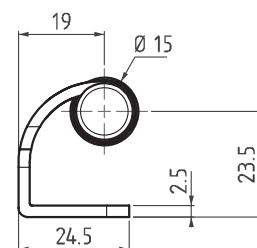
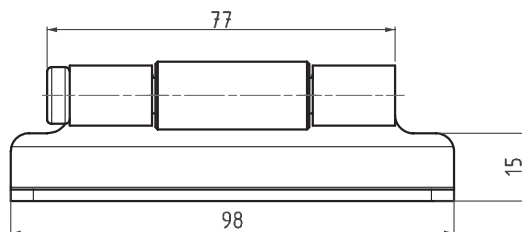
► CONCEALED HINGES

CONCEALED HINGE

895



LH/RH



- Side part can be mounted with M5 screws
- Centre part copper plated for easy welding
- Suitable for heavy-duty applications
- Pin should be mounted during hinge assembly

APPLICATIONS

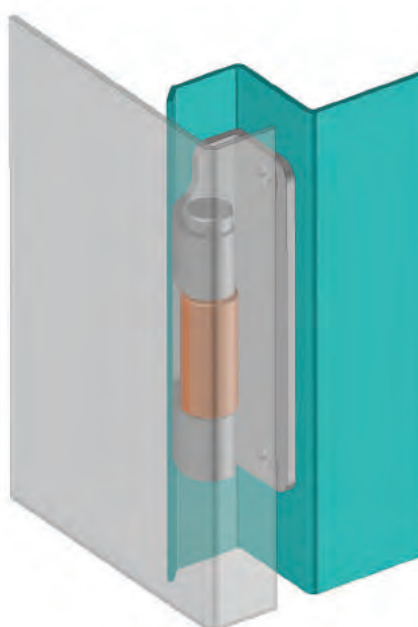
Electric panels, machinery covers

MATERIAL

Steel

FINISH

BODY: Zinc plated
WELDING PART: Copper plated



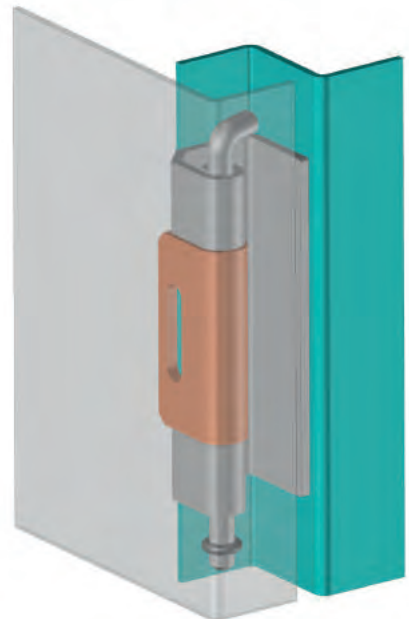
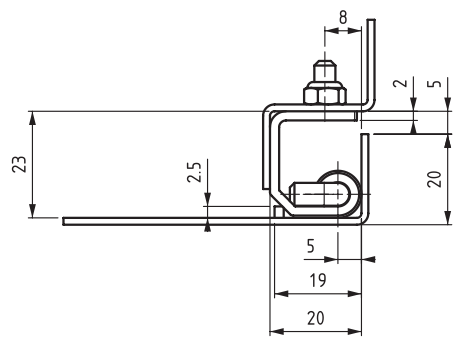
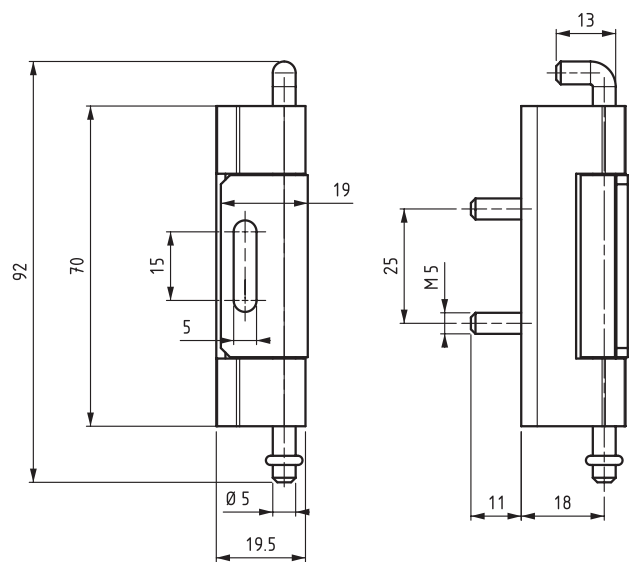
Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

895 - 6 - 3
GROUP CODE MATERIAL FINISH



1095

CONCEALED HINGE



LH/RH



- For doors with a bend of 23 mm
- Easily fixed to panel or door profile
- Suitable for left- and right-hand application

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Steel

FIXED PART: Steel

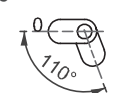
PIN: Steel

FINISH

BODY: Zinc plated

FIXED PART: Copper plated

Hinge Rotation Angle



PRODUCT CODE

1095 - 6 - 3

GROUP CODE MATERIAL FINISH

CONCEALED HINGES

CONCEALED HINGE

295



- Stainless steel version: page 450
- 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

APPLICATIONS

Electric panels, machinery covers

MATERIAL

Steel

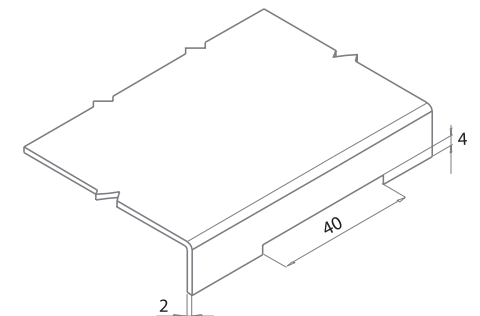
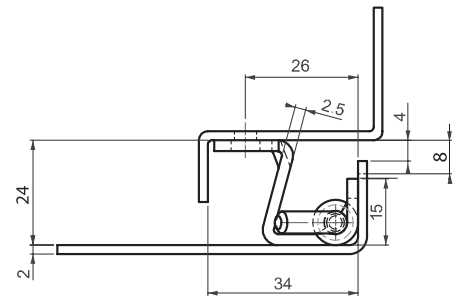
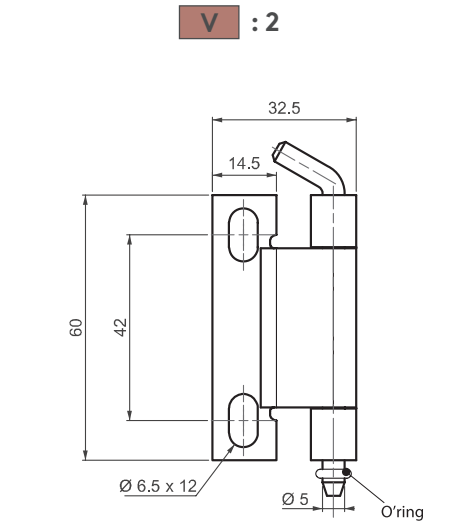
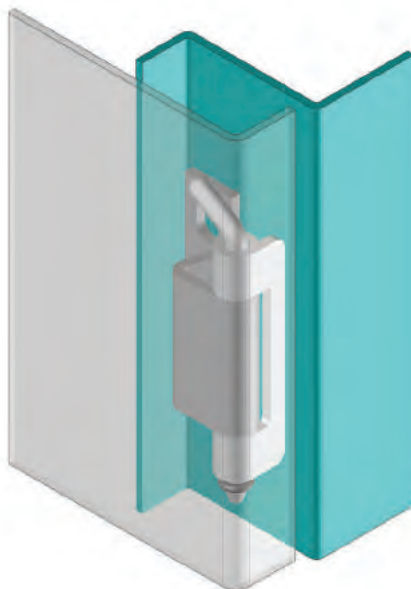
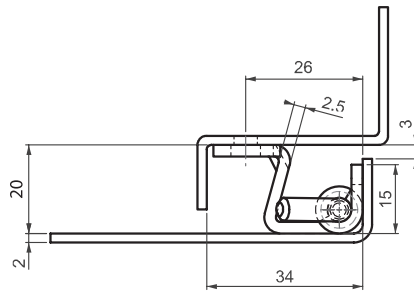
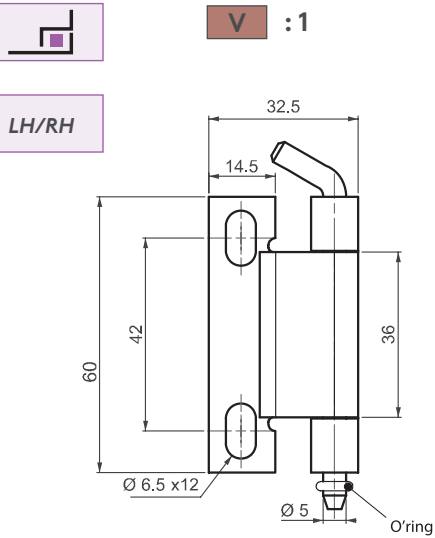
FINISH

BODY: Zinc plated
WELDING PART: Copper plated

Hinge Rotation Angle



Note: Bolts are not supplied



PRODUCT CODE

295 - **6** - **3** - **V**
 GROUP CODE MATERIAL FINISH VERSION

295

CONCEALED HINGE

V : 3

V : 4



LH/RH

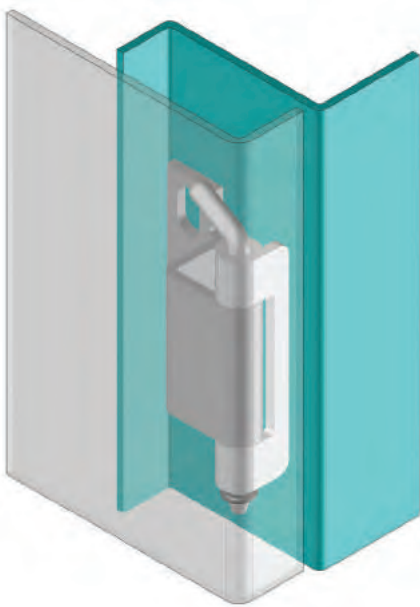
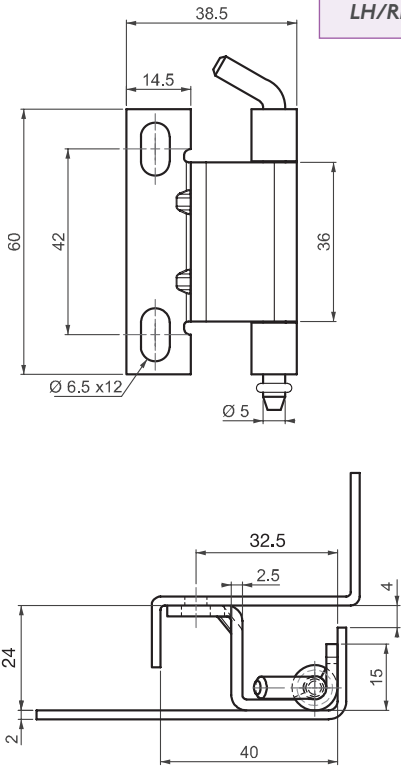
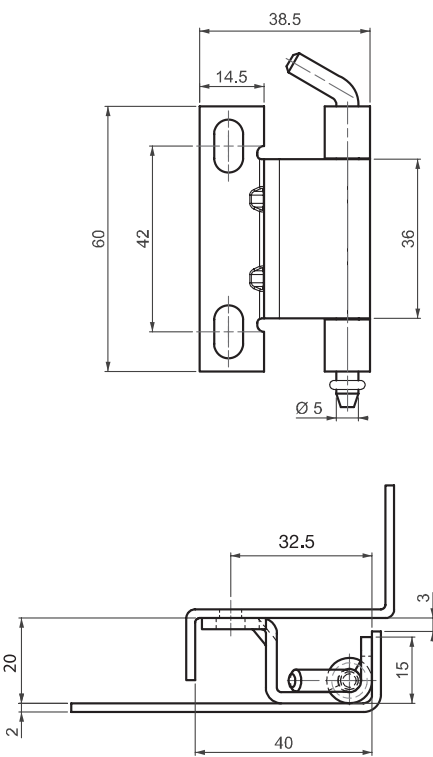


• Stainless steel version: page 451

APPLICATIONS
Electric panels, machinery covers

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated



Hinge Rotation Angle



⚠ Note: Bolts are not supplied

PRODUCT CODE

295 - 6 - 3 - V
GROUP CODE MATERIAL FINISH VERSION

CONCEALED HINGES

CONCEALED HINGE

395



- **Stainless steel version: page 452**
- 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 application

APPLICATIONS

Electric panels, machinery covers

MATERIAL

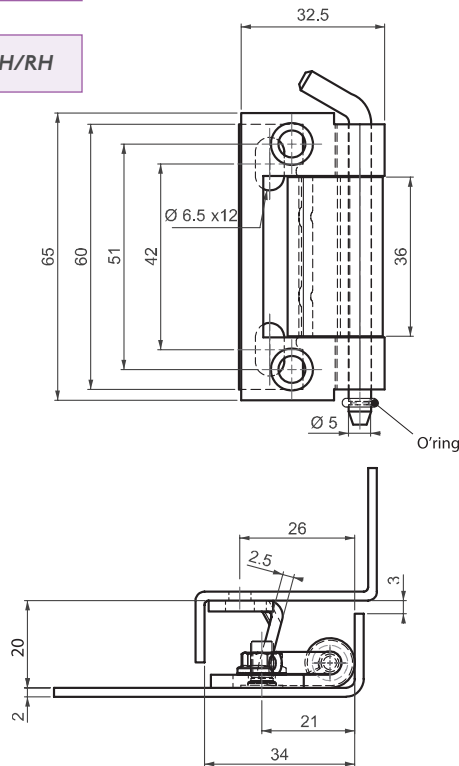
Steel

FINISH

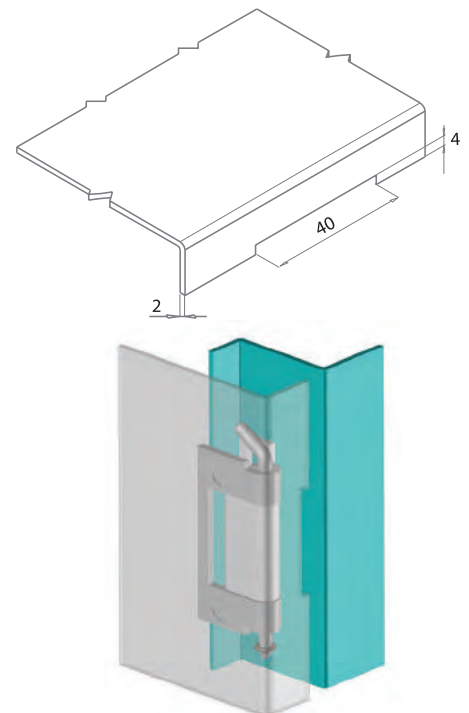
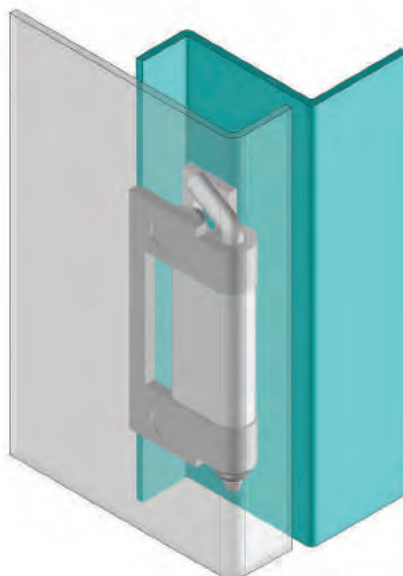
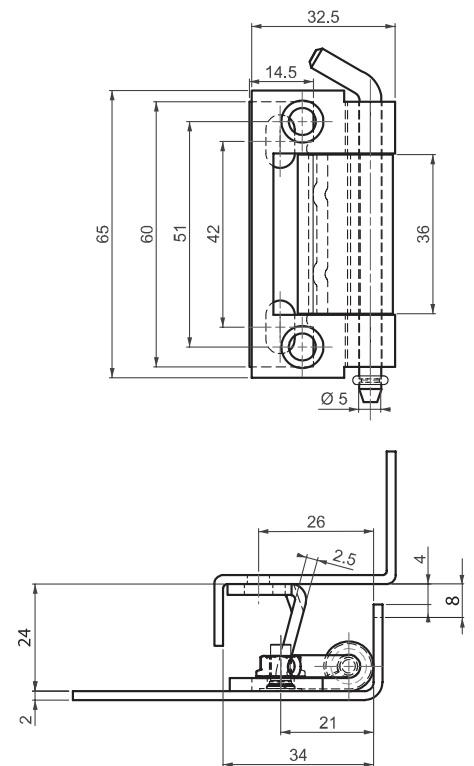
Zinc plated

LH/RH

V :1



V :2



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

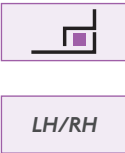
395 - 6 - 3 - V
 GROUP CODE MATERIAL FINISH VERSION

395

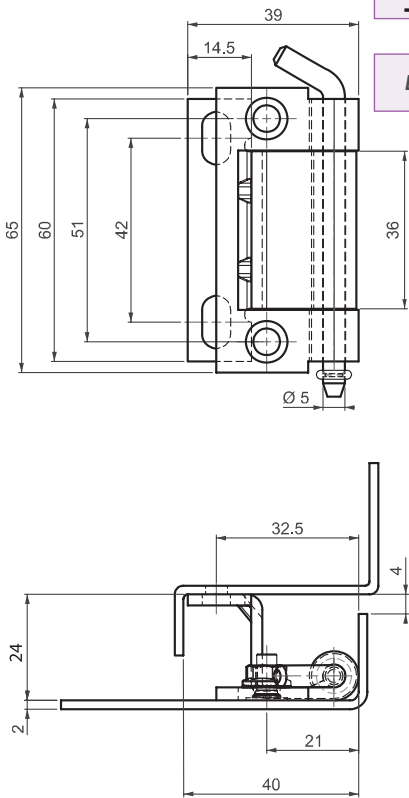
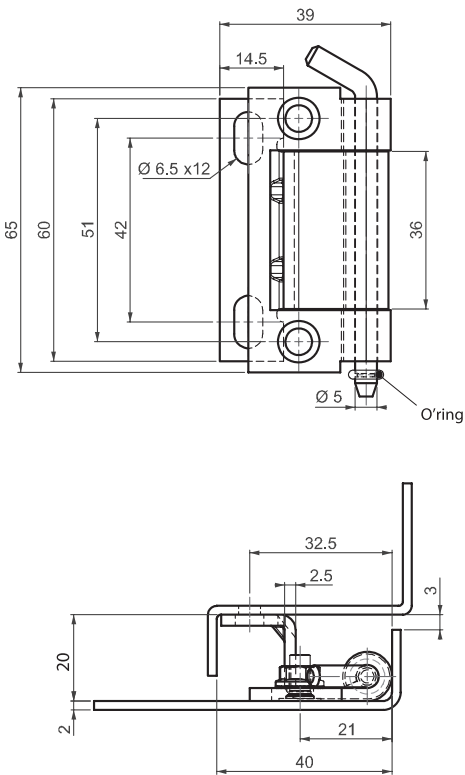
CONCEALED HINGE

V : 3

V : 4



LH/RH

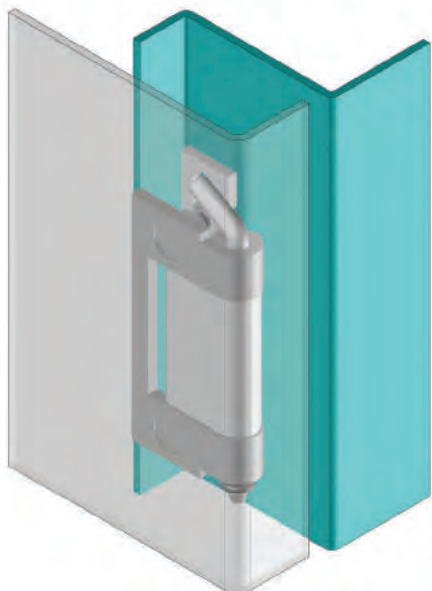


• Stainless steel version: page 453

APPLICATIONS
Electric panels, machinery covers

MATERIAL
Steel

FINISH
Zinc plated



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

395 - 6 - 3 - V
GROUP CODE MATERIAL FINISH VERSION

► CONCEALED HINGES

CONCEALED HINGE

695



LH/RH



- **Stainless steel version: page 454**
- For doors with a bend of 18 mm
- Frame part screwed on, door part either welded or screwed on
- Suitable for left- and right-hand applications

APPLICATIONS

Electric panels, machinery covers

MATERIAL

Steel

FINISH

BODY: Zinc plated

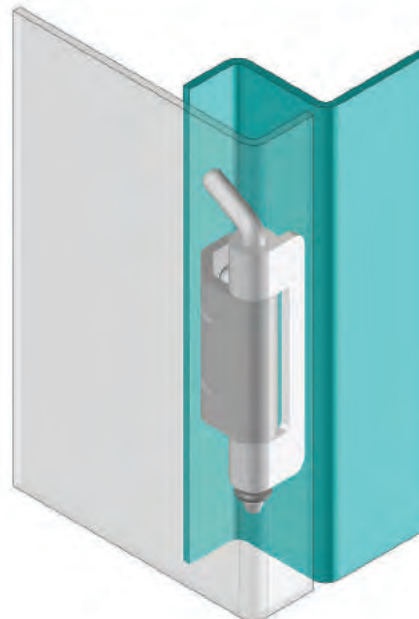
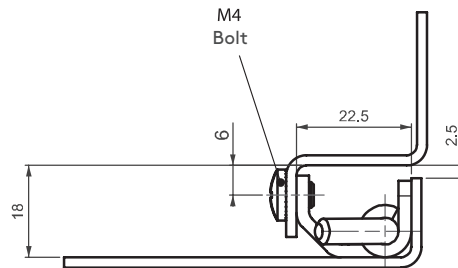
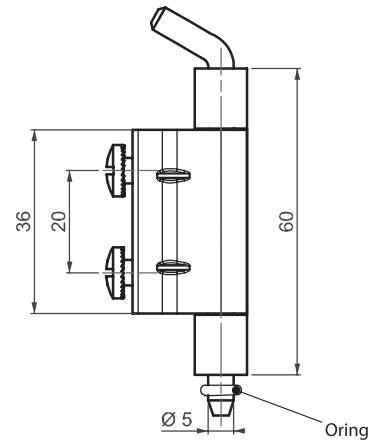
WELDING PART: Copper plated

Hinge Rotation Angle



Note: Bolts are not supplied

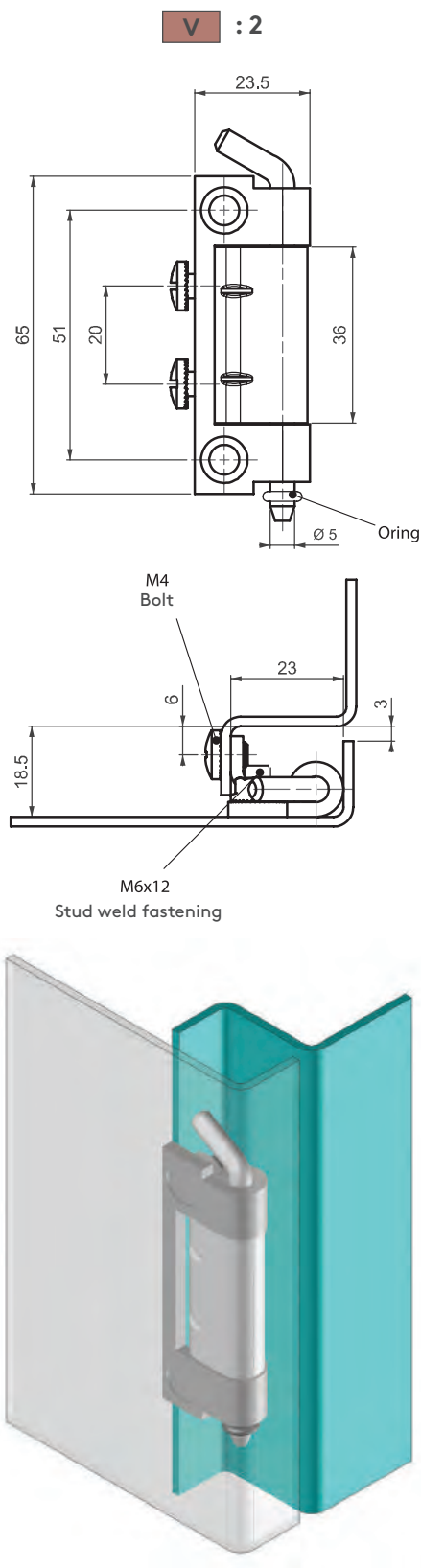
V :1



PRODUCT CODE

695 - 6 - 3 - 1

GROUP CODE MATERIAL FINISH VERSION



PRODUCT CODE

695	-	6	-	3	-	2
GROUP CODE		MATERIAL		FINISH		VERSION

695

CONCEALED HINGE



LH/RH



- Stainless steel version: page 455
- 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 application

APPLICATIONS

Electric panels, machinery covers

MATERIAL

Steel

FINISH

Zinc plated

Hinge Rotation Angle



Note: Bolts are not supplied

► CONCEALED HINGES

CONCEALED HINGE

795



LH/RH

- **Stainless steel version: page 456**
- For doors with a bend of 20 mm to fix profiles
- Frame part screwed on, door part mounted by nut to welded stud on door
- Suitable for left- and right-hand application

APPLICATIONS

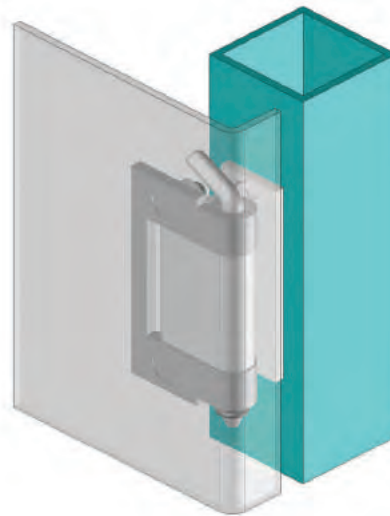
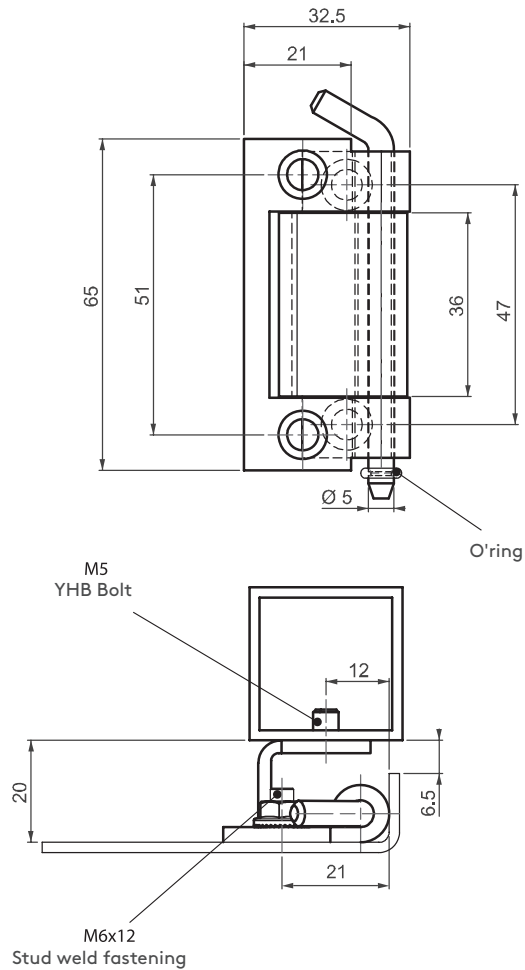
Electric panels, machinery covers.

MATERIAL

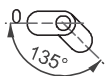
Steel

FINISH

Zinc plated



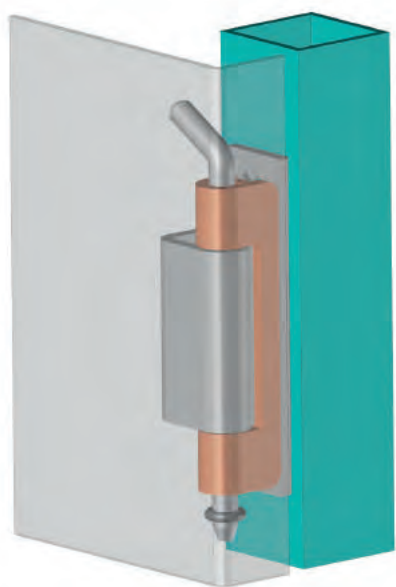
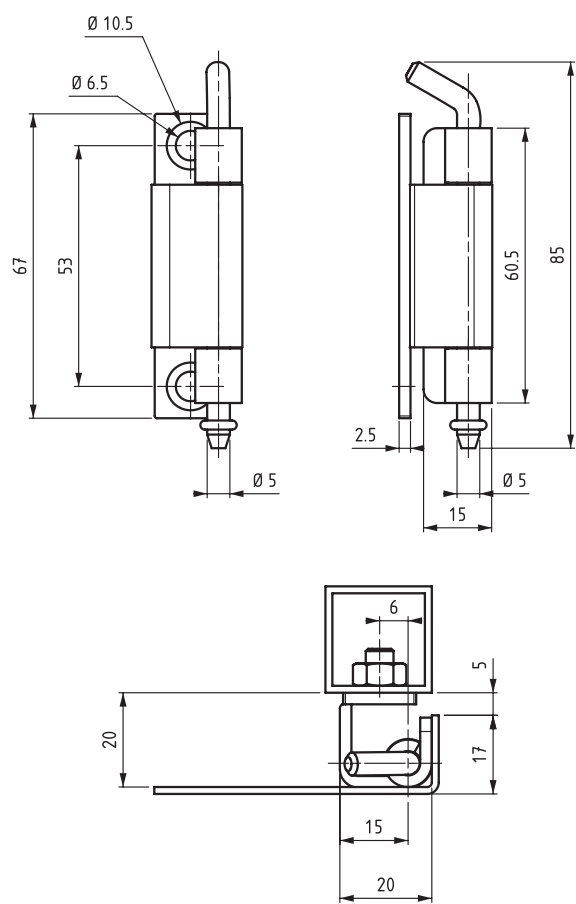
Hinge Rotation Angle



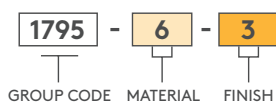
Note: Bolts are not supplied

PRODUCT CODE

795 - 6 - 3
GROUP CODE MATERIAL FINISH



PRODUCT CODE



1795

CONCEALED HINGE



LH/RH



- For doors with a bend of between 20 mm
- Easily fixed to panel or door profile due to hinge design
- Suitable for left - and right- hand applications

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Steel
FIXED PART: Steel
PIN: Steel

FINISH

BODY: Zinc plated
FIXED PART: Copper plated

Hinge Rotation Angle



⚠ Note: Bolts are not supplied



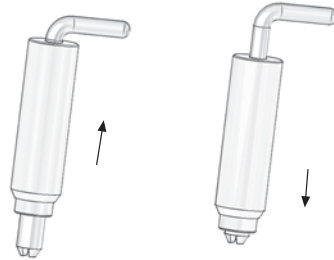
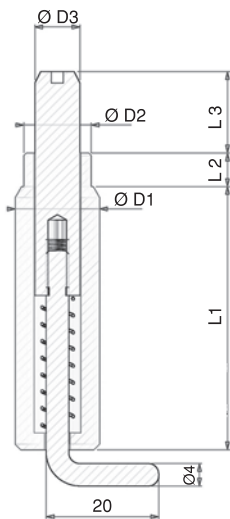
CONCEALED HINGES

SPRING LOADED

189



LH/RH



- For internally mounted doors
- Spring loaded hinge for easy door removal
- Body copper plated for easy welding. Available as spring-loaded, up-and-down pair; or spring-loaded up hinge and fixed bottom hinge

MATERIAL
Steel

FINISH
BODY: Copper plated
Other materials: Zinc plated

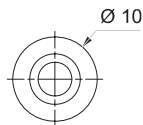
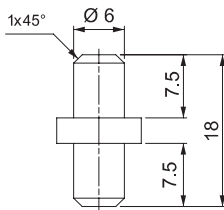


Hinge Rotation Angle

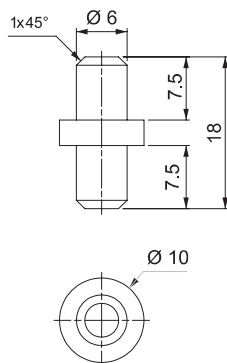
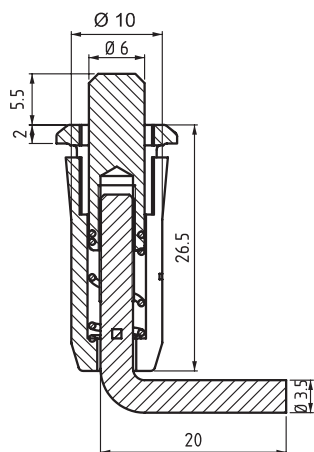


BOTTOM PIVOT PIN

32003192



Ø D1	Ø D2	Ø D3	L1 MM	L2 MM	L3 MM	PRODUCT CODE
10	8.5	6	26.5	3.5	19	189-9
10	8.5	6	38	3.5	10	189-10
12	9	6	38	3.5	10	189-12
15	12	9	47	6	14.5	189-15



389

SPRING LOADED



LH/RH



- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Clip fixing for easy assembly
- Available as spring-loaded, up-and-down pair; or spring-loaded up hinge and fixed bottom hinge

MATERIAL

BODY: Polyamide DIN-EN ISO1043-1 PA6 GFR 30
PIN: Steel

Hinge Rotation Angle



32003192

BOTTOM PIVOT PIN



► CONCEALED HINGES

CONCEALED HINGE

089



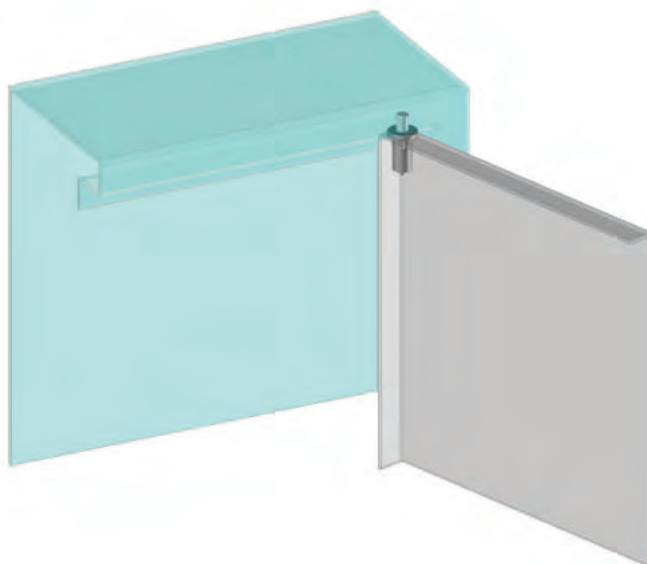
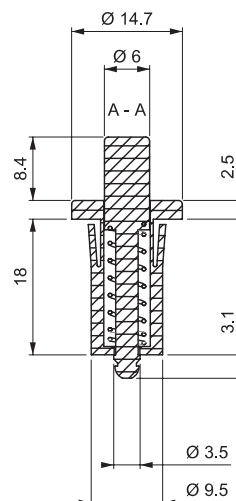
LH/RH

- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Clip fixing for easy assembly
- Available as spring-loaded, up-and-down pair; or spring-loaded up hinge and fixed bottom hinge

MATERIAL

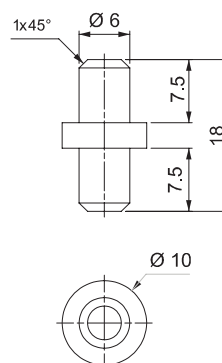
BODY: Polyamide DIN-EN
ISO1043-1 PA6 GFR 30
PIN: Steel

Hinge Rotation Angle



BOTTOM PIVOT PIN

32003192

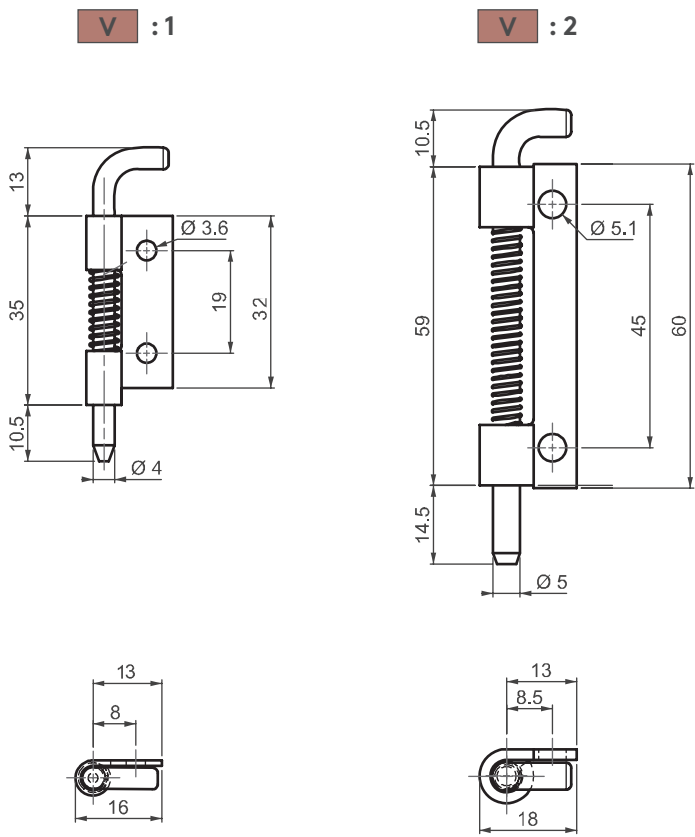


289

CONCEALED HINGE



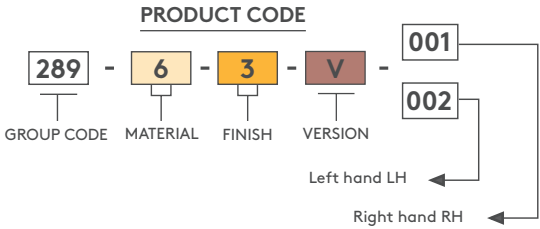
LH/RH



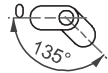
- Stainless steel version: page 457
- For internally mounted doors
- Spring loaded hinge for easy door removal
- Both versions are either screwed or welded on
- Suitable for left- and right-hand application

MATERIAL
Steel

FINISH
Zinc plated



Hinge Rotation Angle



- ⚠ Note: Bolts are not supplied
- ⚠ Note: Assembled RH (as drawn)
Assembled LH (mirror inverted)

► CONCEALED HINGES

CONCEALED HINGE

394



LH/RH

- Suitable for lightweight panels and applications
- Left and right hand application is possible
- Suitable for M6 screws
- 90° hinge rotation angle

APPLICATIONS

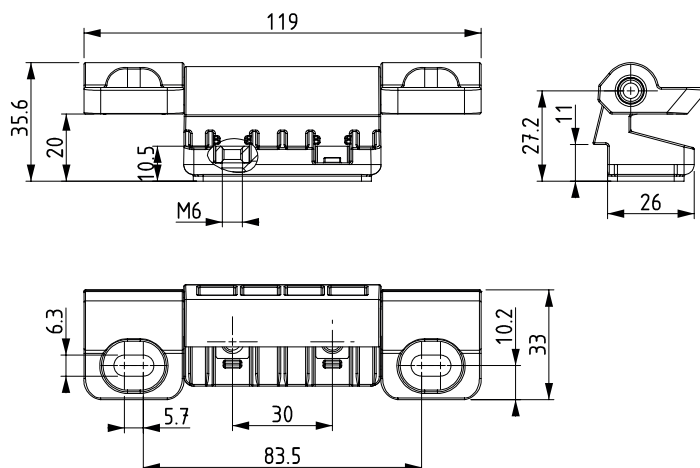
Truck tool boxes

MATERIAL

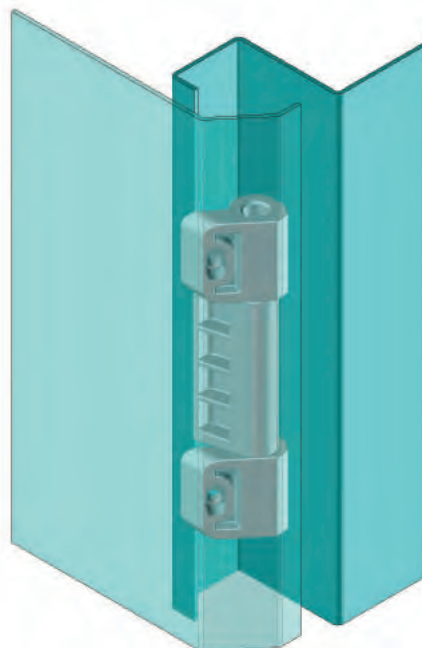
FRAME PART: PA6 GFR30

DOOR PART: PA6 GFR30

NUT: Steel



Hinge Rotation Angle



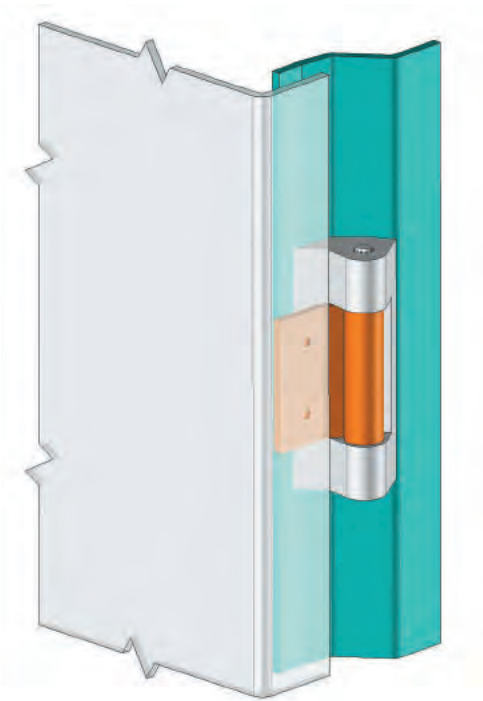
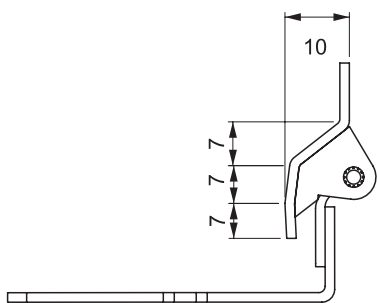
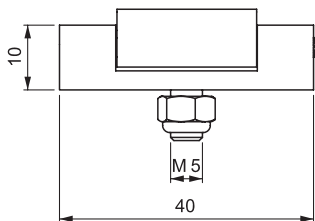
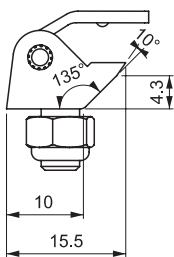
Note: Bolts are not supplied

294

CONCEALED HINGE



LH/RH



- For small panels having a 10 mm internal bend
- Designed to maximize space
- Copper plated for easy welding

APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FIXED PART: Steel

PIN: Steel

FINISH

BODY: Zinc plated

FIXED PART: Copper plated

Hinge Rotation Angle



Note: Bolts are not supplied

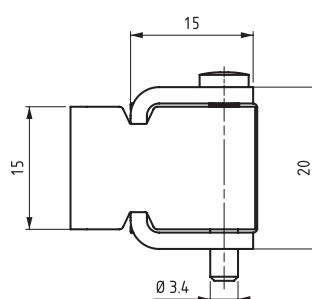
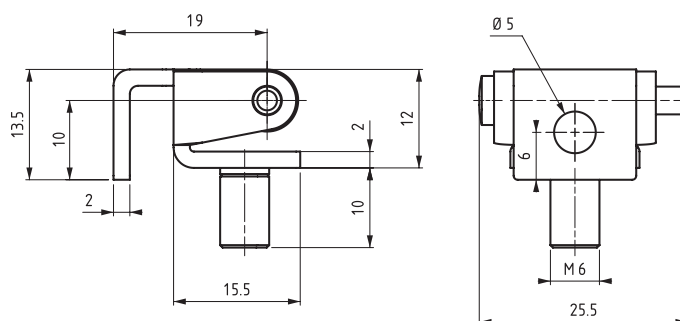
► CONCEALED HINGES

CONCEALED HINGE

595



LH/RH



- Can be used for small size panels

APPLICATIONS

Electric panels

MATERIAL

Steel

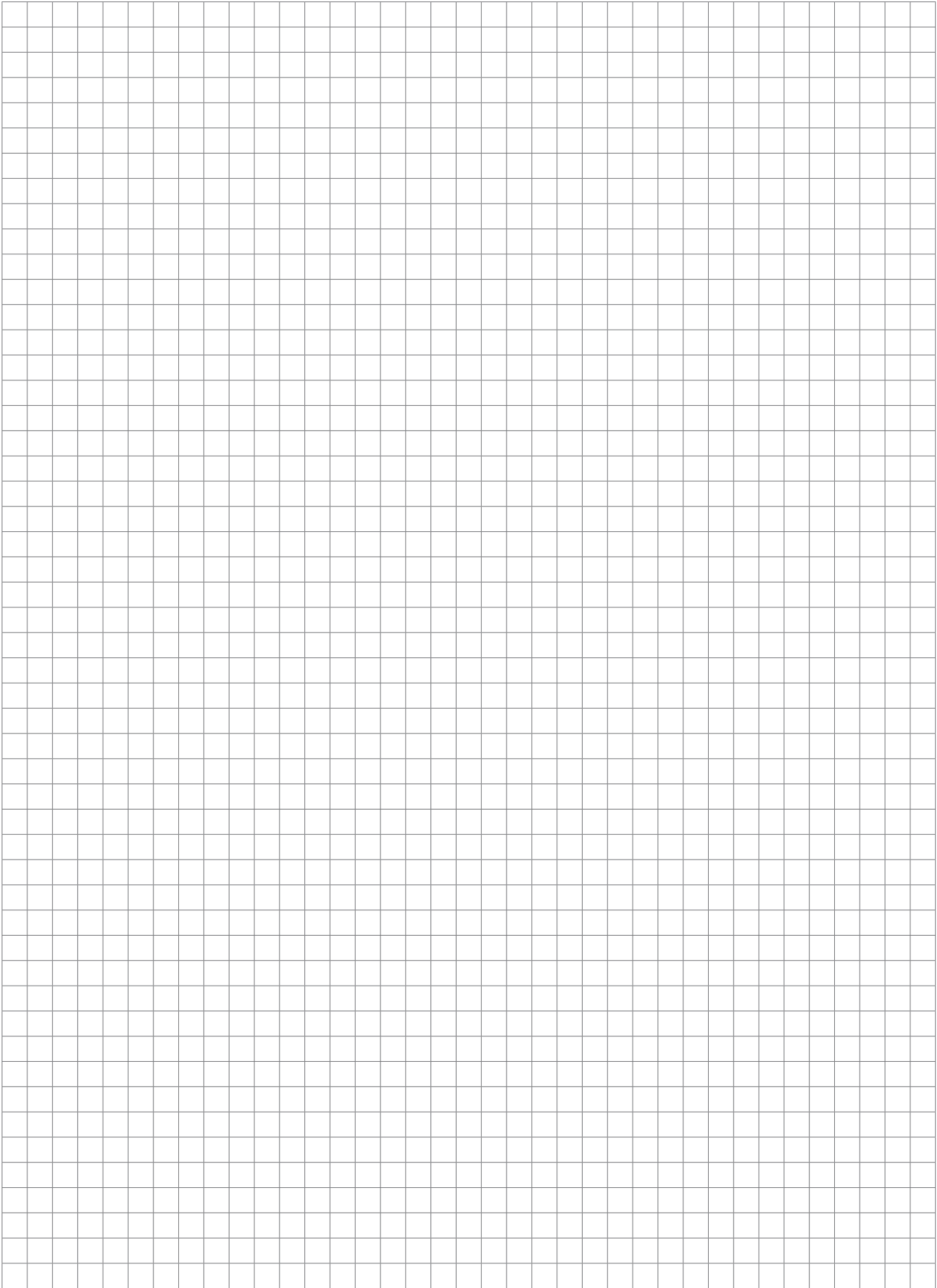
FINISH

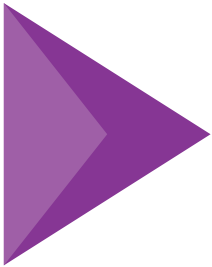
BODY: Zinc plated
FIXED PART: No finish



PRODUCT CODE

595 - 6 - 3
GROUP CODE MATERIAL FINISH





HINGES



CORNER HINGES

GROUP CODE	PRODUCT NAME	
497	CORNER HINGE	
097	CORNER HINGE	
197	CORNER HINGE	
297	CORNER HINGE	
397	CORNER HINGE	
298	CORNER HINGE	
098	CORNER HINGE	
398	CORNER HINGE	
498	CORNER HINGE	
400	CORNER HINGE	
200	CORNER HINGE	
100	CORNER HINGE	
600	CORNER HINGE/HVAC HINGE	
700	CORNER HINGE/HVAC HINGE	



ESSENTRA

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	301	
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	308 - 309	
	310	
	311	
	312 - 313	
	314	
	315 - 317	
	318 - 319	





CORNER HINGES



497

CORNER HINGE



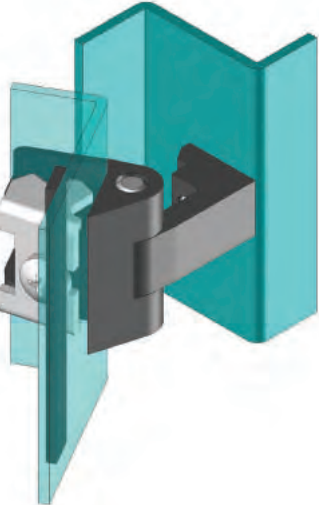
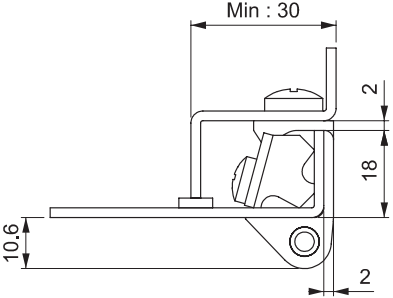
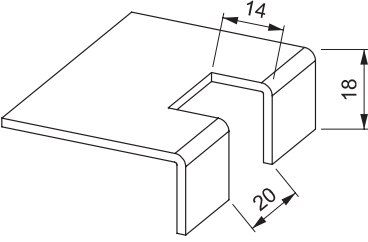
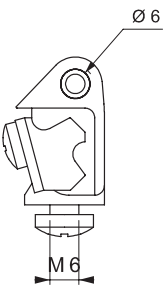
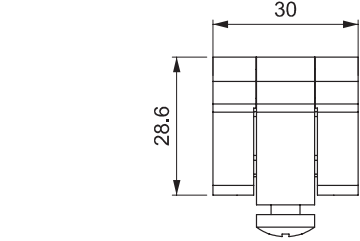
LH/RH



- Corner hinge
- Grounding is possible

MATERIAL
DOOR PART: Zamak DIN-EN 1774-ZnAl4Cu1
FRAME PART: Zamak DIN-EN 1774-ZnAl4Cu1
FIXING BRACKET: Steel

FINISH
Chrome plated or black coated



Hinge Rotation Angle
0 180°

Note: Bolts are supplied

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in Germany

PRODUCT CODE

497 - 1 - F
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

CORNER HINGES

CORNER HINGE

097



LH/RH

- Stainless steel version: page 460
- Corner hinge
- Suitable for steel panels with a thickness of between 1.0 mm - 2.2 mm and 2.5 mm
- Hinge pin available in three types

APPLICATIONS

Small electric panels

MATERIAL

FIXED, MOVABLE PARTS:

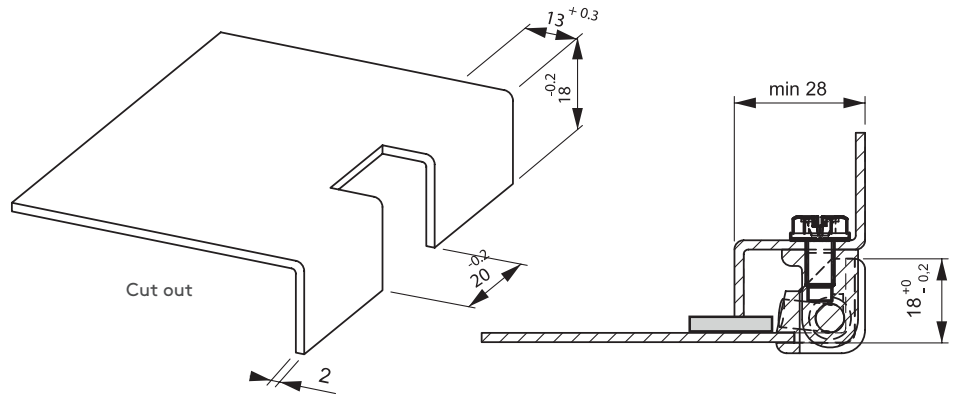
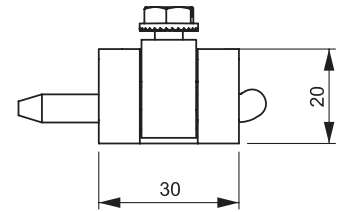
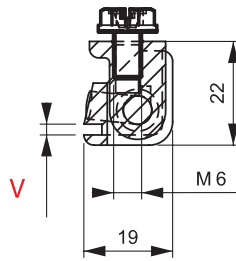
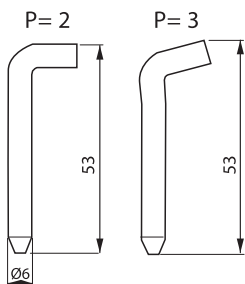
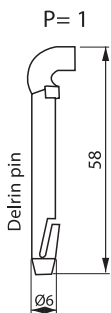
Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel or poliasetal (Delrin)

FINISH

Chrome plated or black coated

Hinge Rotation Angle



V : 15

1.0 mm - 1.2 mm
thickness panel
(097 M-F-P-15)

V : 22

1.5 mm - 2 mm
thickness panel
(097 M-F-P-22)

V : 25

2 mm - 2.5 mm
thickness panel
(097 M-F-P-25)



PRODUCT CODE

097	-	1	-	F	-	P	-	V
GROUP CODE		MATERIAL		FINISH		PIN		VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

197

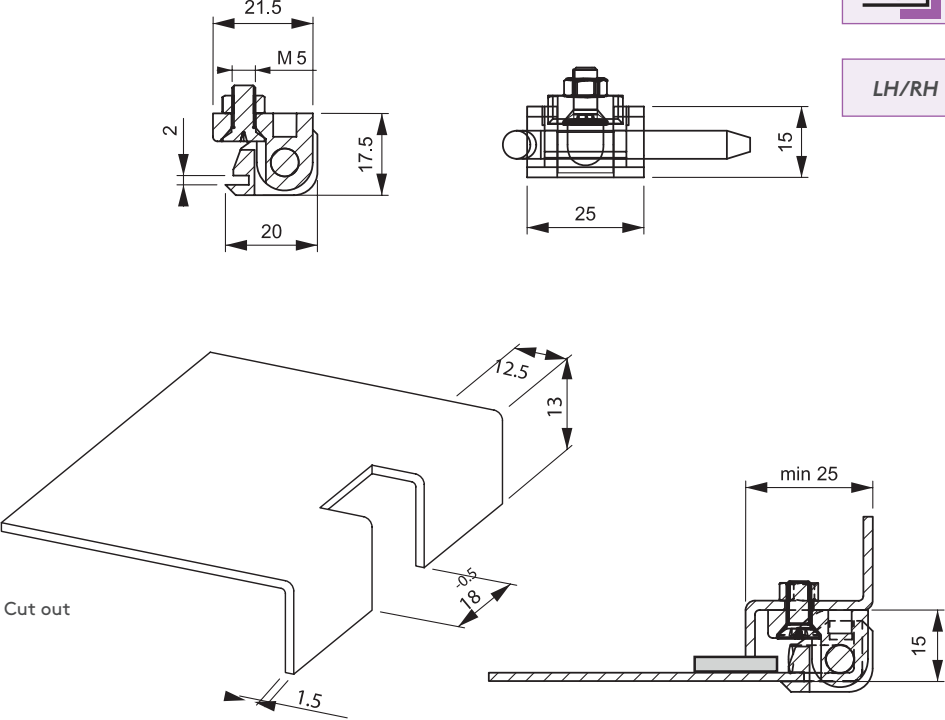
CORNER HINGE



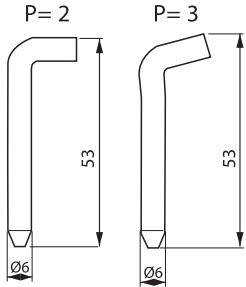
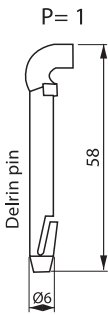
- Corner hinge. Suitable for steel panels with a thickness of between 1.5 mm
- Hinge pin available in three types

APPLICATIONS
Small electric panels

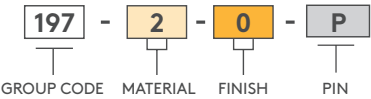
MATERIAL
BODY: Polyamide PA6 GFR 30
PIN: Steel or poliasetal (Delrin)



Hinge Rotation Angle



PRODUCT CODE



MATERIAL	M	FINISH	F
Plastic	2	No finish	0

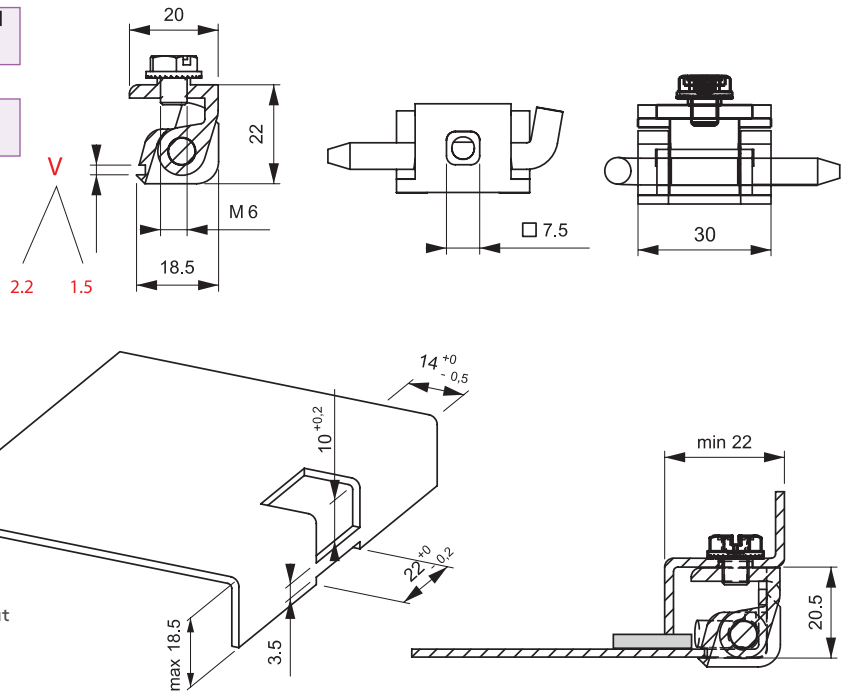
CORNER HINGES

CORNER HINGE

297



LH/RH



- Corner hinge. Cut out helps provide greater resistance than 097 hinge
- Suitable for steel panels with a thickness of between 1.0 mm and 1.5 mm
- Hinge pin available in three types

APPLICATIONS

Small electric panels

MATERIAL

FIXED, MOVABLE PARTS:

Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel or poliasetal (Delrin)

FINISH

Chrome plated or black coated

V : 15

1.0 mm - 1.2 mm thickness panel
(297 M-F-P-15)

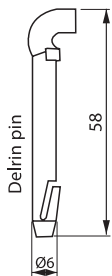
V : 22

1.5 mm thickness panel
(297 M-F-P-22)

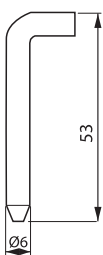
Hinge Rotation Angle



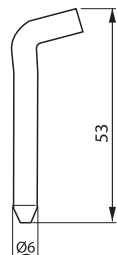
P= 1



P= 2



P= 3



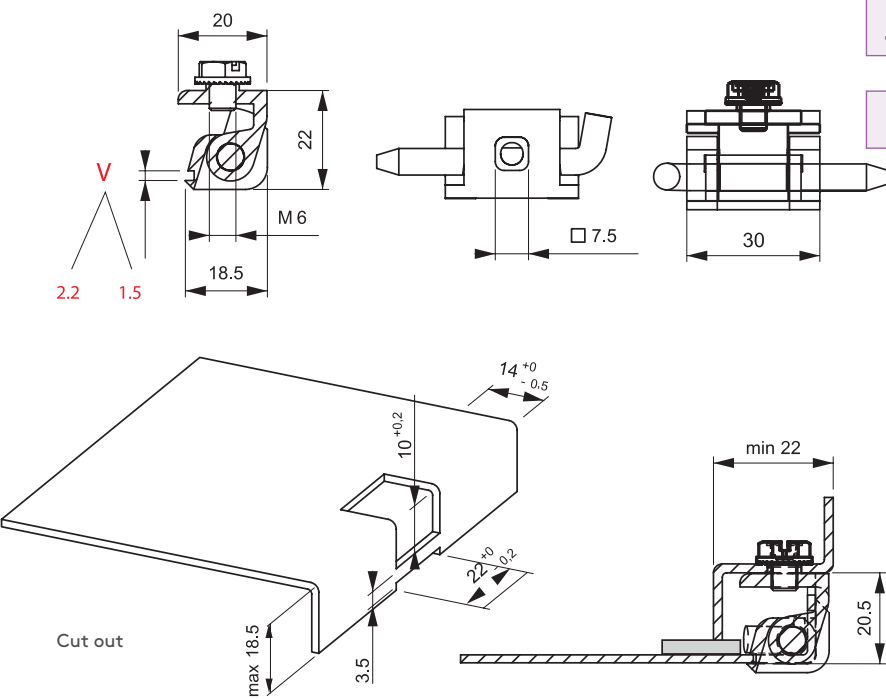
PRODUCT CODE

297 - 1 - F - P - V
GROUP CODE MATERIAL FINISH PIN VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

397

CORNER HINGE



- Corner hinge. Cut out helps provide greater resistance than 097 hinge.
- Steel frame part provides higher strength
- Suitable for steel panels with a thickness of between 1.0 mm and 1.5 mm
- Hinge pin available in four types

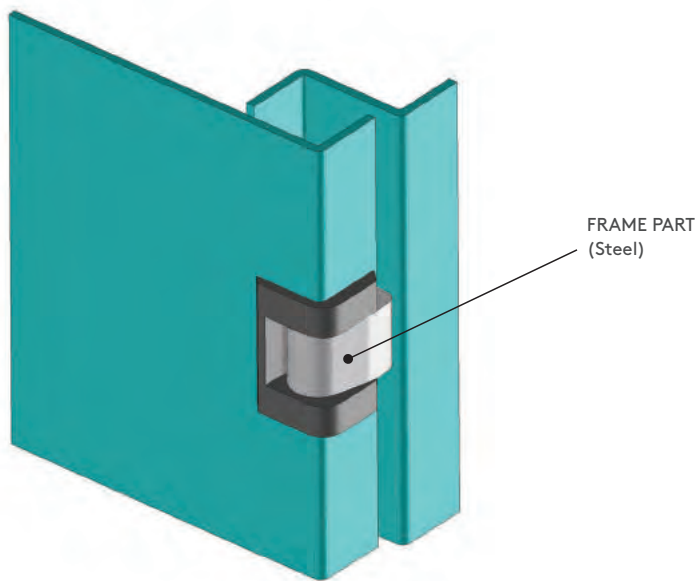
APPLICATIONS
Small electric panels

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FRAME PART: Steel

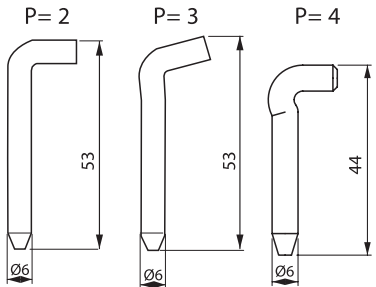
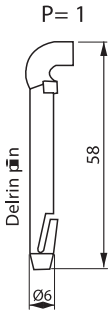
FINISH
Chrome plated or black coated

V : 15
1.0 mm - 1.2 mm thickness panel
(397 M-F-P-15)

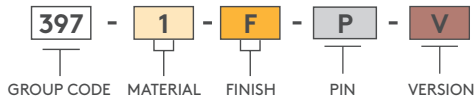
V : 22
1.5 mm thickness panel
(397 M-F-P-22)



Hinge Rotation Angle



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

CORNER HINGES

CORNER HINGE

298



LH/RH

- Corner hinge. Suitable for steel panels with a thickness of between 1.5 mm and 2 mm
- Steel hinge pin
- With M6 threaded studs for internal fastening

APPLICATIONS

Large electric panels

MATERIAL

BODY: Zamak DIN-EN

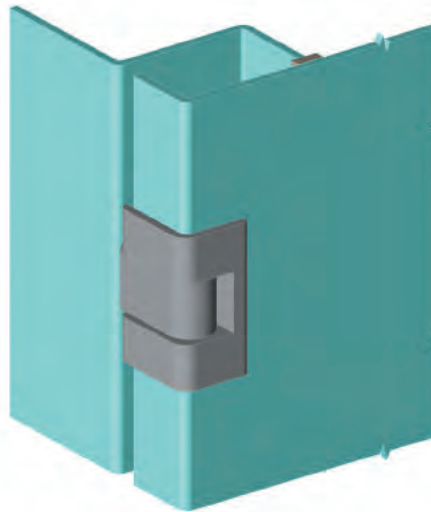
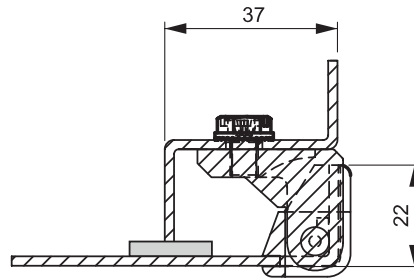
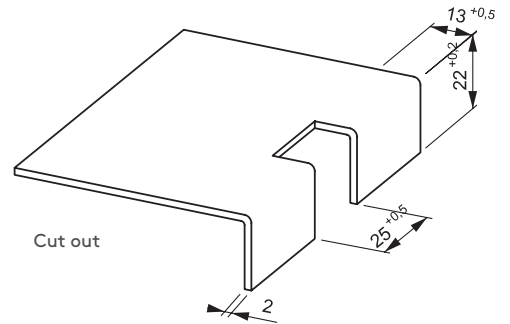
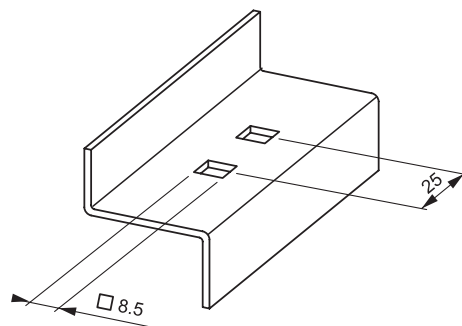
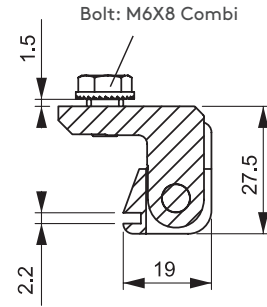
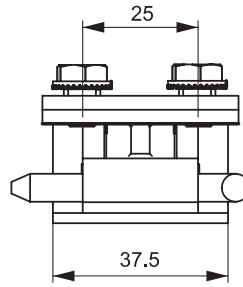
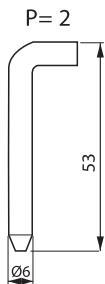
1774-ZnAl4Cu1

PIN: Steel

FINISH

Chrome plated or black coated

Hinge Rotation Angle



PRODUCT CODE

298 - 1 - F - 2

GROUP CODE MATERIAL FINISH PIN

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

098

CORNER HINGE



- Suitable for steel panels with a thickness of between 1.5 mm and 2 mm
- Steel hinge pin

APPLICATIONS
Large electric panels

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Steel

FINISH
Chrome plated or black coated

Hinge Rotation Angle



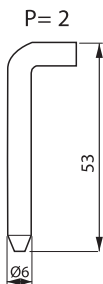
Note: Bolts are not supplied

PRODUCT CODE

098 - 1 - F - 2

GROUP CODE MATERIAL FINISH PIN

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2



CORNER HINGES

CORNER HINGE

398



LH/RH

V : 2

- Left and right versions available
- Maximum opening angle 180°
- Special cut out is necessary for cabinet door
- Stainless steel spacers are used between the hinge parts
- Suitable for 25 mm door bend cabinets

APPLICATIONS

Large electric panels

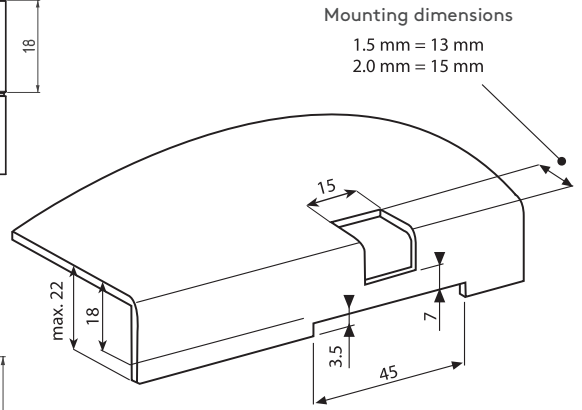
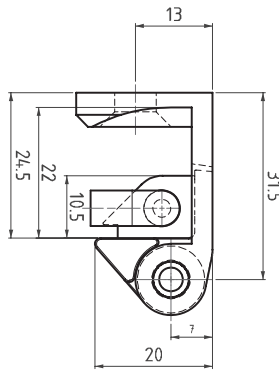
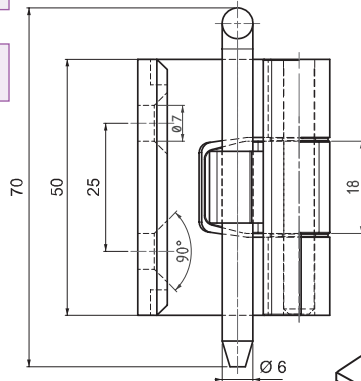
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel

FINISH

Chrome plated or black coated



Cut out



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

398 - 1 - F - 2
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

398

CORNER HINGE



- Left and right versions available
- Maximum opening angle 180°
- Special cut out necessary for cabinet door
- Stainless steel spacers used between hinge parts
- Suitable for 25 mm door bend cabinets

APPLICATIONS
Large electric panels

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN : Steel

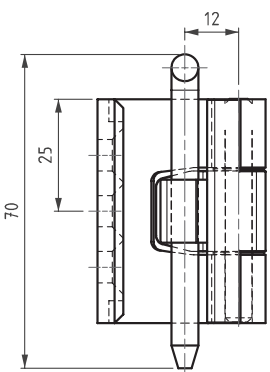
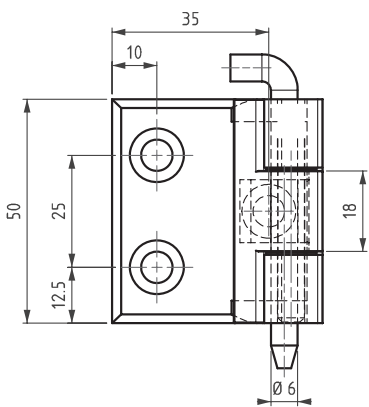
FINISH
Chrome plated or black coated

Hinge Rotation Angle

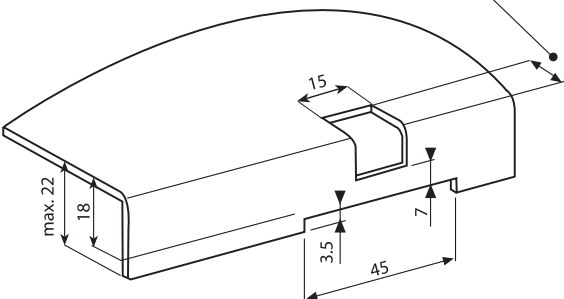
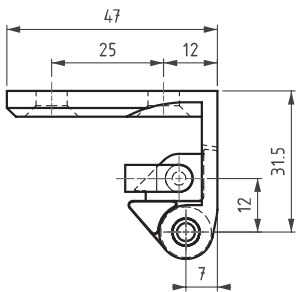


Note: Bolts are not supplied

V :1



Mounting dimensions
1.5 mm = 13 mm
2.0 mm = 15 mm



Cut out



PRODUCT CODE

398 - 1 - F - 1
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

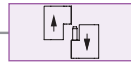
CORNER HINGES

CORNER HINGE

498



LH/RH



- Door can be removed when opened at 90° by withdrawing pin
- Suitable for 25 mm door bends

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Plastic

FINISH

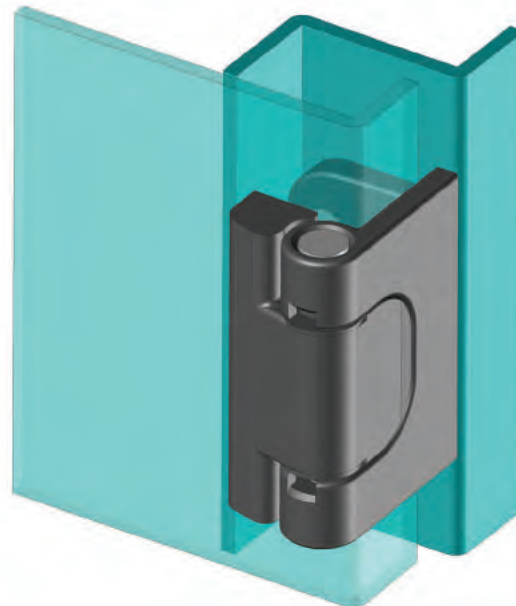
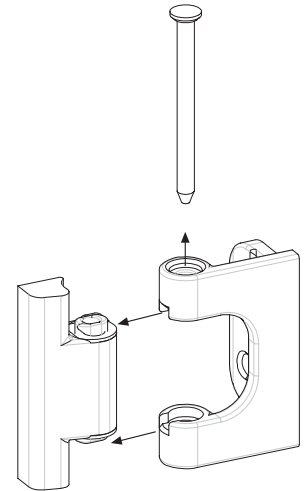
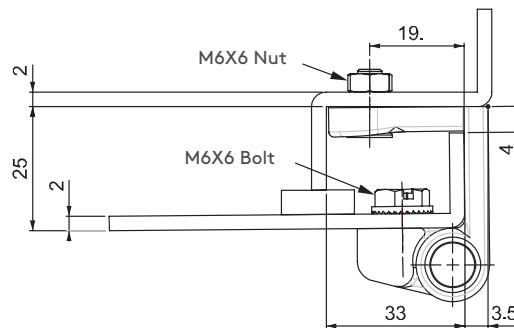
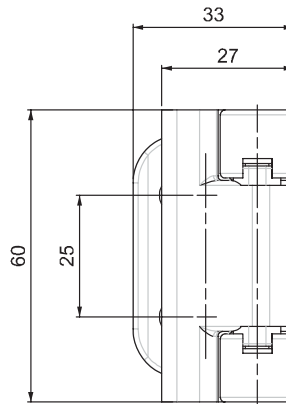
Chrome plated or black coated

Hinge Rotation Angle



Note: Bolts are not supplied

Note: The listing of this/these product(s) in the catalogue does not constitute an offer to sell any of those products in Germany



PRODUCT CODE

498 - 1 - F

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

400

CORNER HINGE



LH/RH



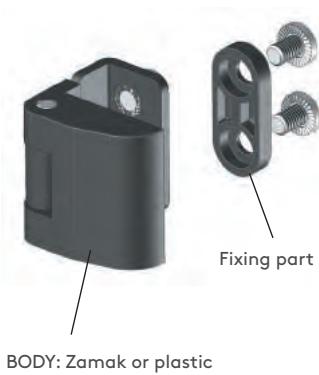
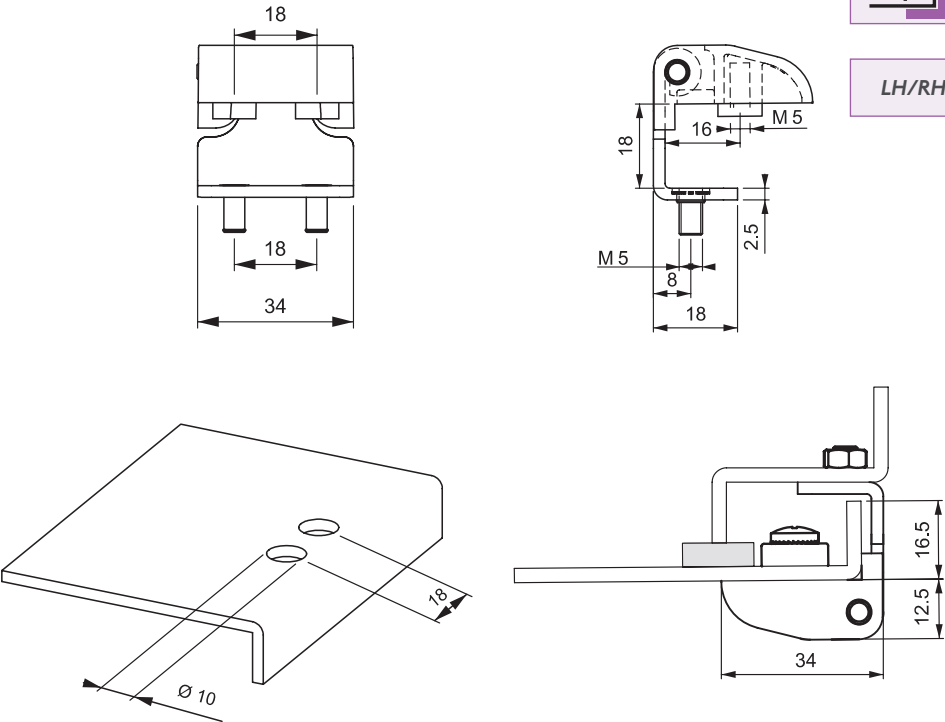
- For fitting to corner of doors with 16.5 mm bend
- M5 stud version available. Polyamide mounting supplied for fixing body.
- Budget-priced, polyamide version available

APPLICATIONS
Electric panels, machinery covers

MATERIAL
BODY : Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

FIXED PART: Steel
PIN: Steel

FINISH
Black coated



PRODUCT CODE

400 - M - F - 18 - 1

GROUP CODE MATERIAL FINISH VERSION STUD

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2
Plastic	2	No finish	0

Hinge Rotation Angle



CORNER HINGES

CORNER HINGE

200



LH/RH



Hole



Stud

- For fitting to corner of doors with 21 mm bend
- Stud version available, using M6 studs

APPLICATIONS

Electric panels, machinery covers

MATERIAL

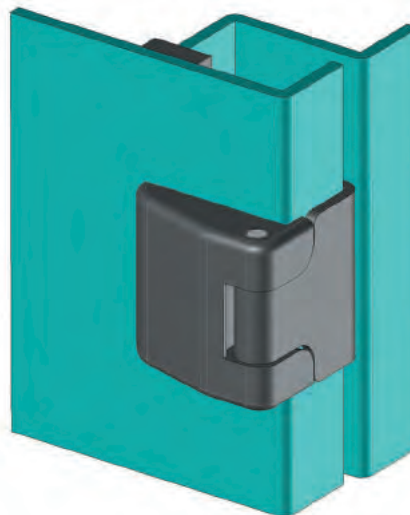
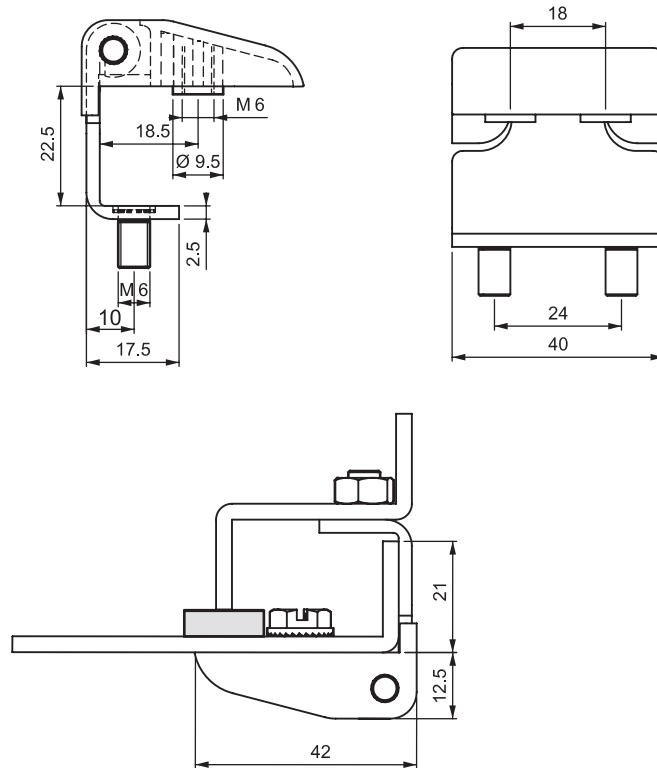
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FRAME PART: Steel

PIN: Steel

FINISH

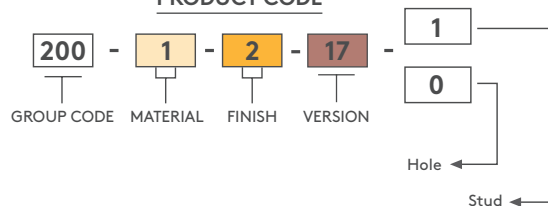
Black coated



Hinge Rotation Angle



PRODUCT CODE



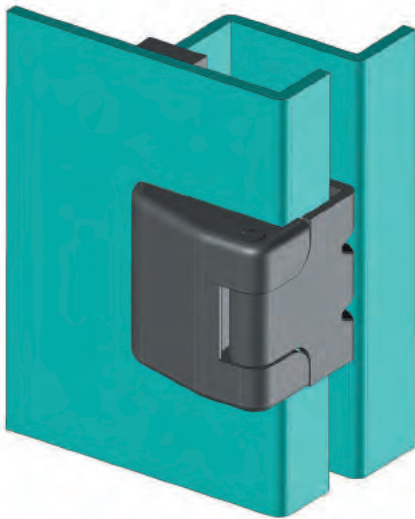
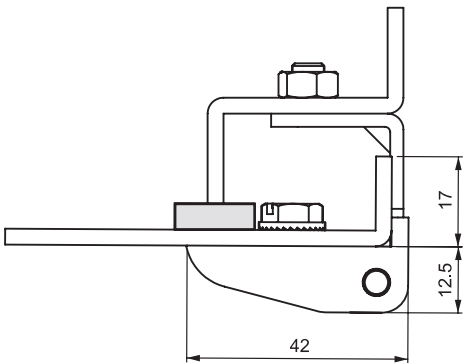
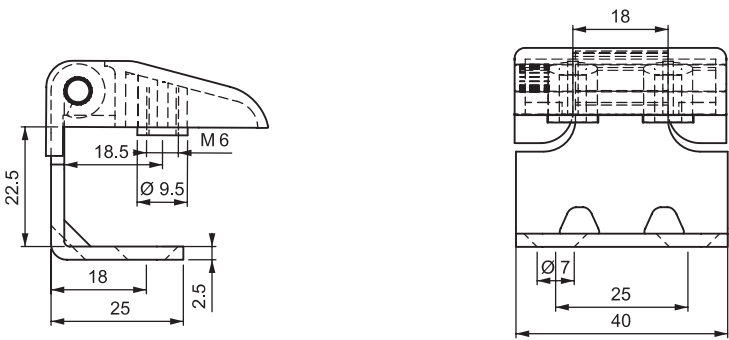
MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

200

CORNER HINGE



LH/RH

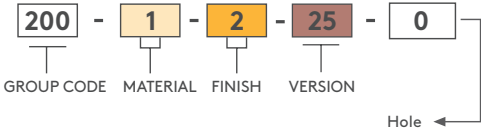


APPLICATIONS
Electric panels, machinery covers

MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FRAME PART: Steel
PIN: Steel

FINISH
Black coated

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle
0° 180°

Note: Bolts are not supplied

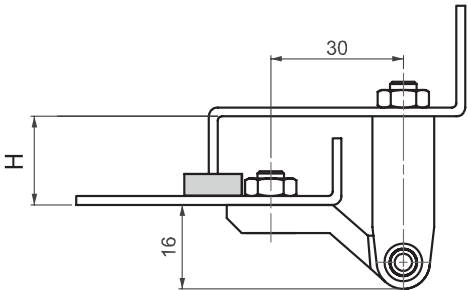
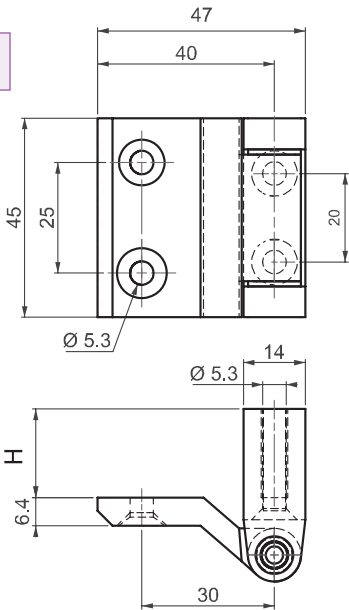
CORNER HINGES

CORNER HINGE

100



LH/RH



- Designed for plain/flush-mounted and side-mounted doors
- For side-mounted doors with a bend between 2 mm and 30 mm
- Hardened steel hinge pin

APPLICATIONS

Electric panels, machinery covers

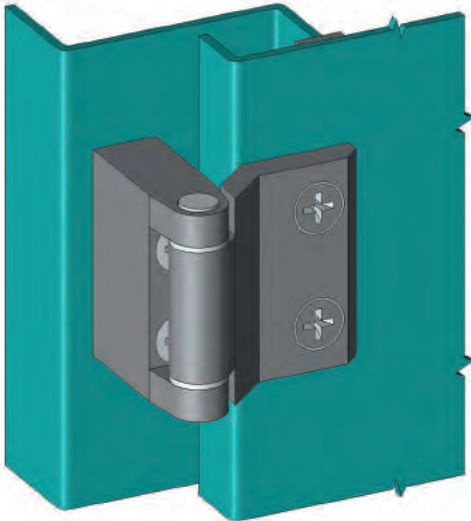
MATERIAL

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

FINISH

Black coated

H
2
3
5
7
10
15
17
20
25
27
30



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

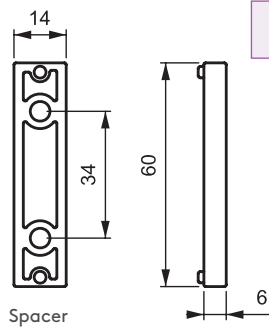
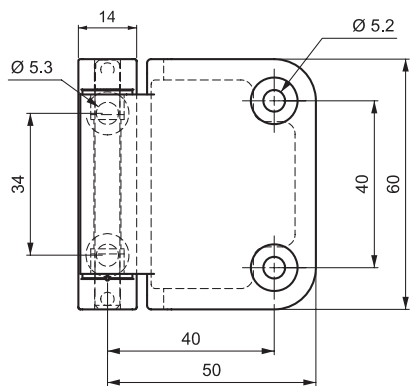
100	-	1	-	F	-	H
GROUP CODE		MATERIAL		FINISH		HEIGHT

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

600

CORNER HINGE

V : 3



Spacer

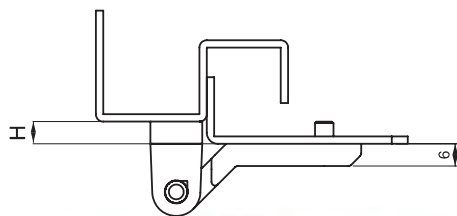


LH/RH



- Designed for plain, side-mounted doors
- For side-mounted doors with a bend of 0-15 mm
- Pin and plastic guides supplied separately

Spacer application
600 1-2-H-3



H
06
12
18



APPLICATIONS

Central air conditioning units,
electric panels, machinery covers

MATERIAL

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

FINISH

Black coated

PRODUCT CODE

600	-	1	-	2	-	H	-	3
GROUP CODE		MATERIAL		FINISH		HEIGHT		VERSION

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied

CORNER HINGES

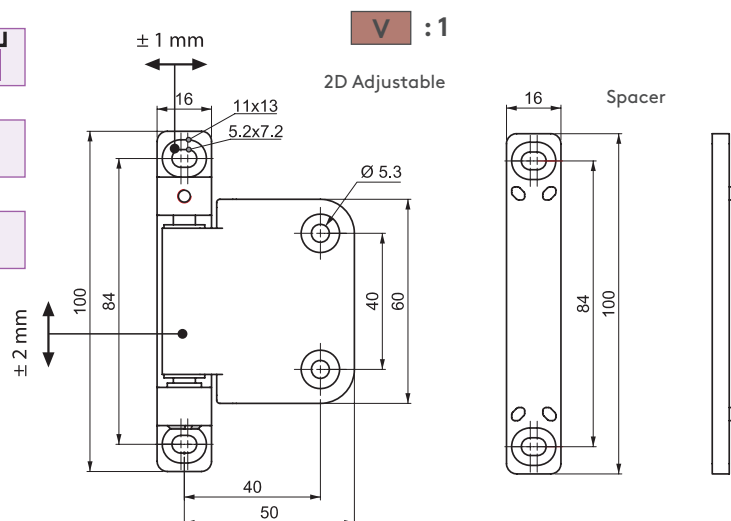
HVAC HINGE (2D)

600



LH/RH

2D



- Designed for plain, side-mounted doors
- For side-mounted doors with a bend of 0-15 mm
- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustments possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm

APPLICATIONS

Central air conditioning units,
electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

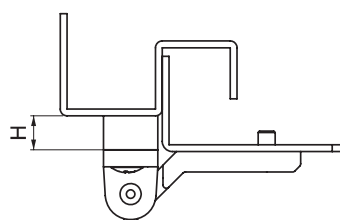
PIN: Steel

BEARING: Delrin

FINISH

Black coated

Spacer application
600 1-2-H-1



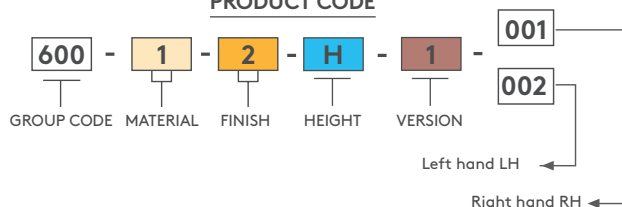
H
05
10
15



Hinge Rotation Angle

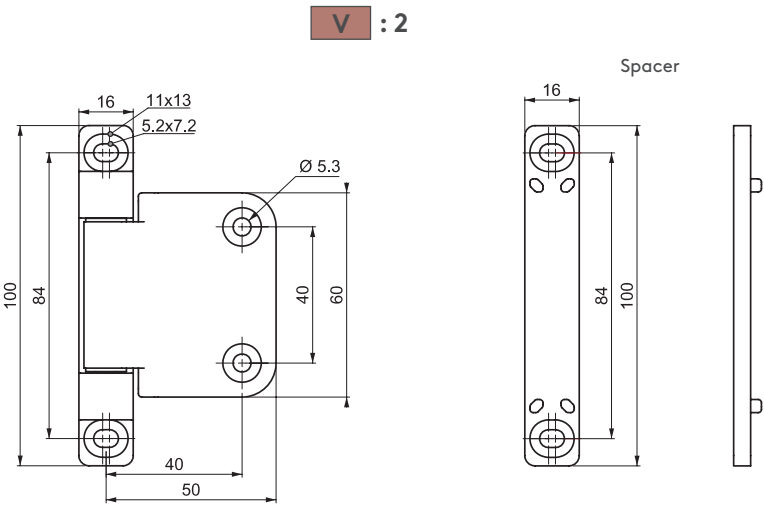


Note: Bolts are not supplied

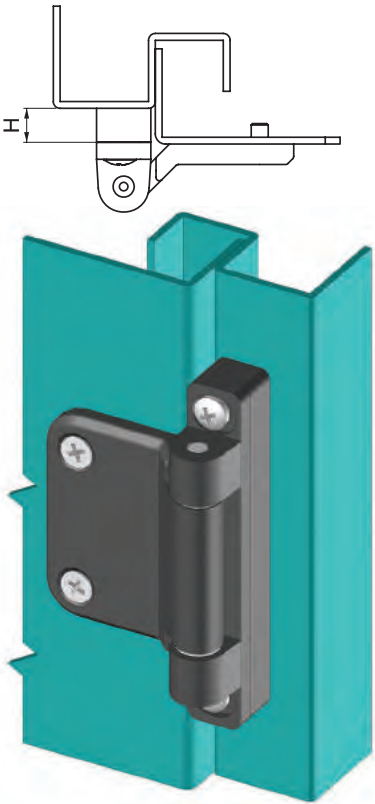
PRODUCT CODE

MATERIAL	M
Zamak	1

FINISH	F
Black coated	2



Spacer application
600 1-2-H-2



H
05
10
15

600

LH/RH

HVAC HINGE



- Designed for plain, side-mounted doors
- For side-mounted doors with a bend of 5-15 mm
- Hinge supplied pre-assembled to decrease labour costs

APPLICATIONS
Central air conditioning units, electric panels, machinery covers

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

FINISH
Black coated

PRODUCT CODE

600 - **1** - **2** - **H** - **2**

GROUP CODE MATERIAL FINISH HEIGHT VERSION

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied

CORNER HINGES

HVAC HINGE (2D)

700



LH/RH

2D

- Designed for plain, side-mounted doors
- For side-mounted doors with a bend of 2-12 mm
- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustments possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm

APPLICATIONS

Central air conditioning units, electric panels, machinery covers

MATERIAL

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

FINISH

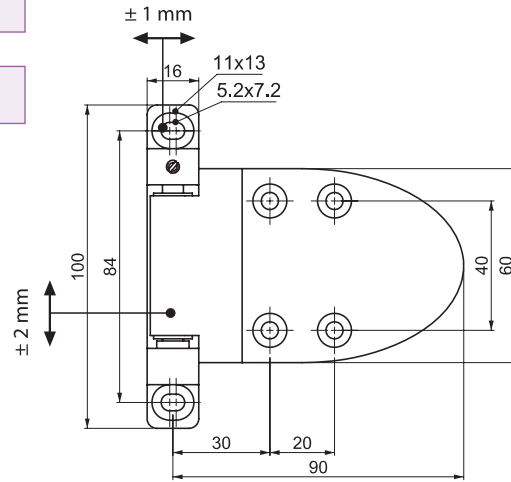
Black coated

Hinge Rotation Angle

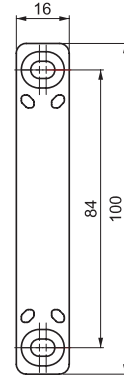


Note: Bolts are not supplied

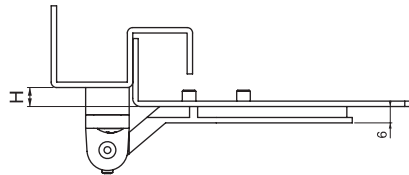
V :1



Spacer



Spacer application
700 1-2-H-1

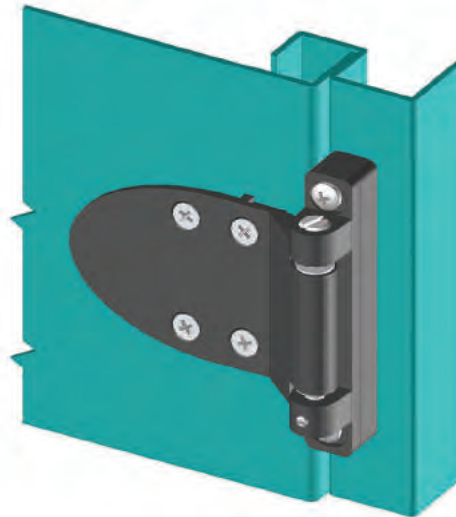


H

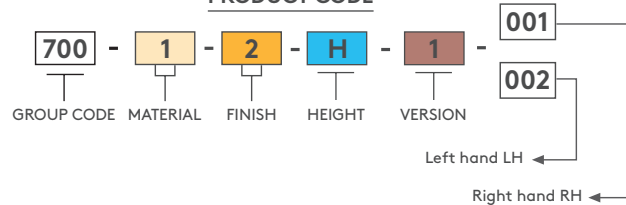
02

7

12

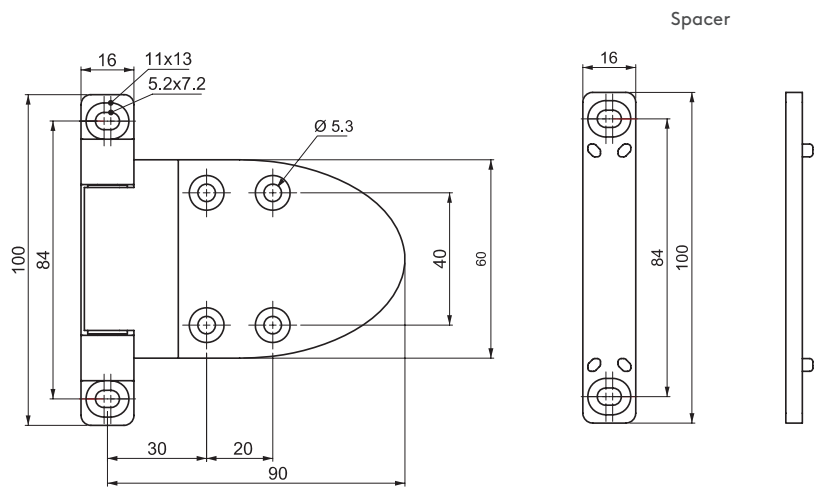


PRODUCT CODE

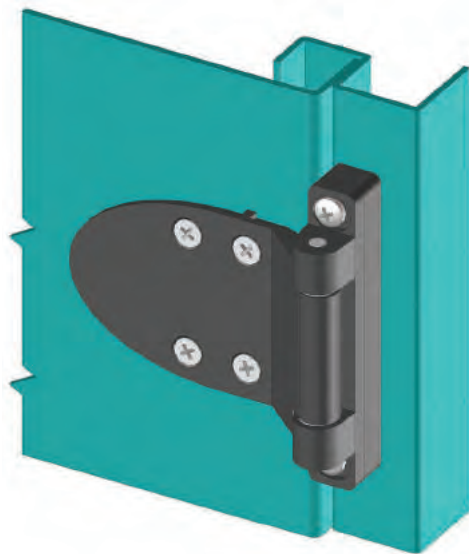
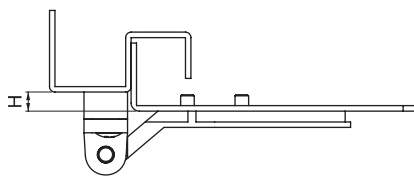


MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

V : 2



Spacer application
700 1-2-H-2



700

HVAC HINGE



LH/RH



- Designed for plain, side-mounted doors
- For side mounted doors with a bend of 2-12 mm
- Hinge supplied pre-assembled to decrease customer labour costs

APPLICATIONS

Central air conditioning units, electric panels, machinery covers

MATERIAL

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

FINISH

Black coated

PRODUCT CODE

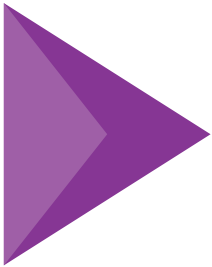
700 - 1 - 2 - H - 2
GROUP CODE MATERIAL FINISH HEIGHT VERSION

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied



HINGES



FLAT HINGES

GROUP CODE	PRODUCT NAME
1299	MINI LEAF HINGE
299	LEAF HINGE
199	LEAF HINGE
099	LEAF HINGE
399	LEAF HINGE
1399	LEAF HINGE
1699	LEAF HINGE
1499	LEAF HINGE
900	LEAF HINGE
899	LEAF HINGE
499	LEAF HINGE
599	LEAF HINGE
1599	LEAF HINGE
799	LEAF HINGE
2899	LEAF HINGE
1199	LEAF HINGE
2599	INDEX HINGE
2199	TORQUE HINGE
2099	TORQUE HINGE
2399	ADJUSTABLE TORQUE HINGE
2499	ADJUSTABLE TORQUE HINGE
699	LIFT-OFF HINGE
100	HINGE WITH BEARING
600	HINGE WITH BEARING
700	HVAC HINGE
800	HVAC HINGE
500	HVAC HINGE
300	HVAC HINGE
693	HINGE WITH BEARING
340	TRUCK CARRIER HINGE



ESSENTRA

PAGE

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340

341

342

343

344

345

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348 - 349

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351 - 353

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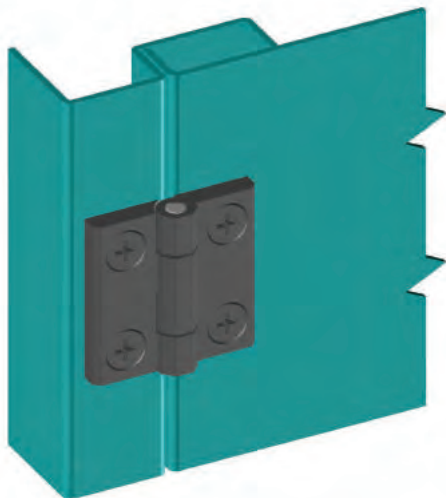
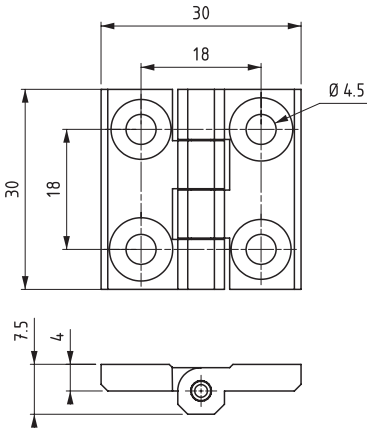
360





FLAT HINGES





1299

MINI LEAF HINGE



LH/RH



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

APPLICATIONS
Electric panels, built-in covers.

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

PRODUCT CODE

1299 - 1 - F
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle





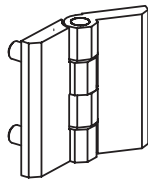
FLAT HINGES

LEAF HINGE

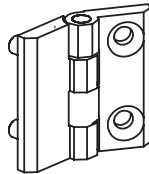
299



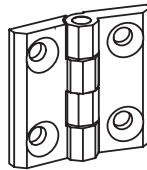
LH/RH



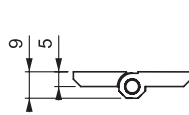
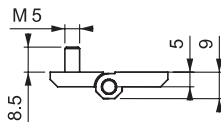
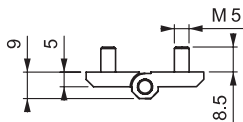
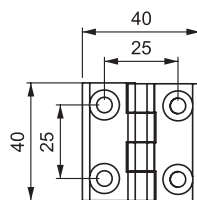
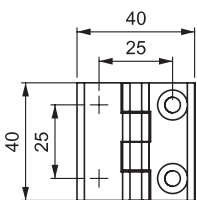
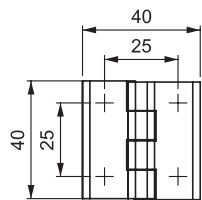
V : 1



V : 2



V : 3



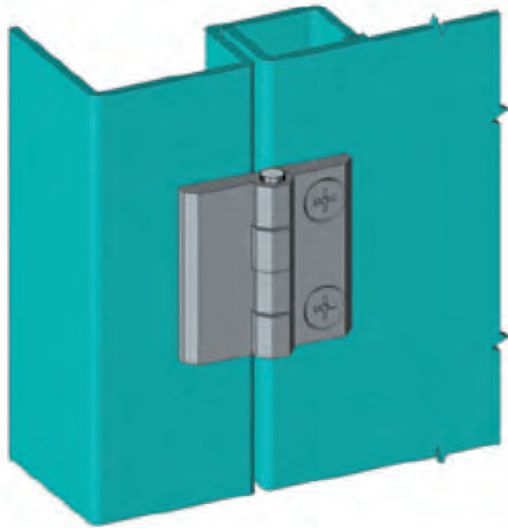
- **Stainless steel version: page 464**
- Generally used for plain/flush mounted doors
- Stud versions fitted with M5 x 8.5 mm threaded stud
- Stainless steel (AISI 304) hinge pin.
- Maximum hinge rotation 270°

APPLICATIONS

Electric panels, built-in covers

MATERIAL

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



PRODUCT CODE

299 - M - F - V
GROUP CODE MATERIAL FINISH VERSION

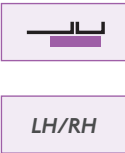
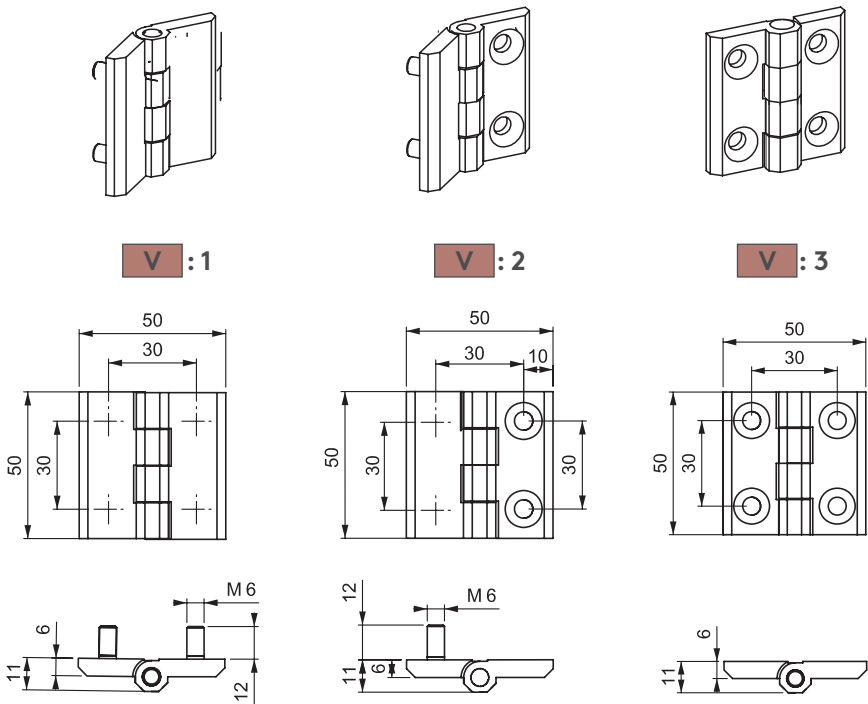
Hinge Rotation Angle



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
Plastic	2	Black coated	2
		No finish	0

199

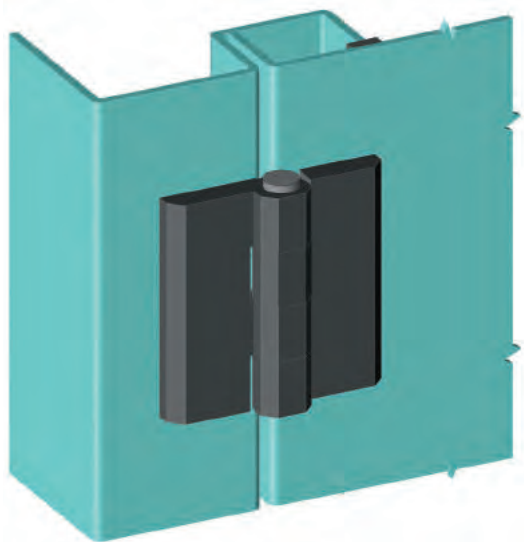
LEAF HINGE



- Generally used for plain/flush-mounted doors
- Stud versions fitted with M6 x 12 mm threaded stud
- Stainless steel (AISI 304) hinge pin.
- Maximum hinge rotation 270°

APPLICATIONS
Electric panels, built-in covers

MATERIAL
BODY: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30
PIN: Stainless Steel



PRODUCT CODE

199 - 2 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Plastic	2	No finish	0

Hinge Rotation Angle

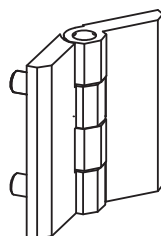


LEAF HINGE

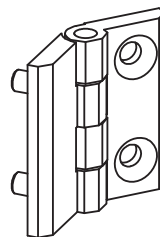
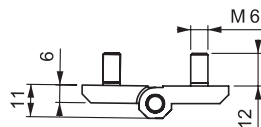
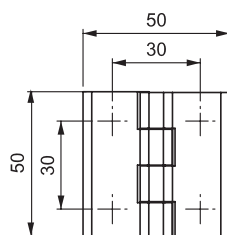
099



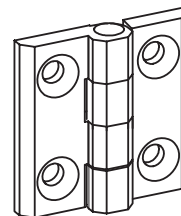
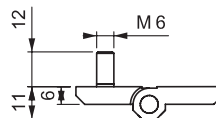
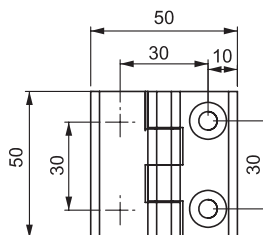
LH/RH



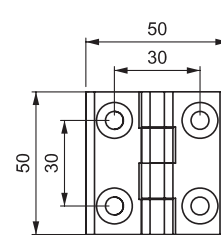
V : 1



V : 2



V : 4



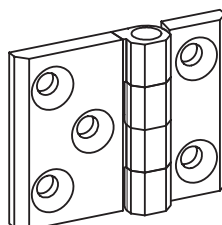
- Stainless steel version page 464
- Generally used for plain/flush-mounted doors
- Stud versions fitted with M6 x 12 mm threaded stud
- Stainless steel (AISI 304) hinge pin.
- Maximum hinge rotation 270°
- Available in three sizes, hole or stud fixing:
 - 50 mm x 50 mm
 - 50 mm x 63 mm
 - 50 mm x 76 mm

APPLICATIONS

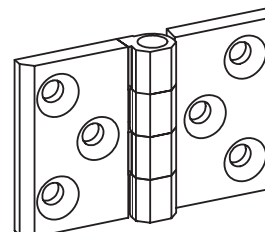
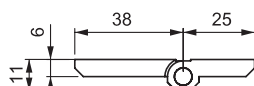
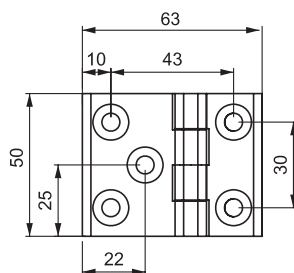
Electric panels, built-in covers

MATERIAL

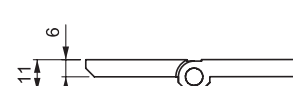
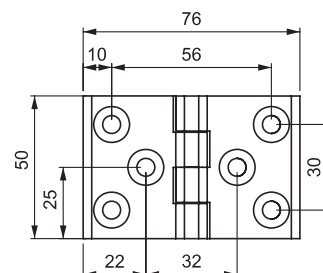
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel



V : 5



V : 6



Hinge Rotation Angle





099

LEAF HINGE



APPLICATIONS

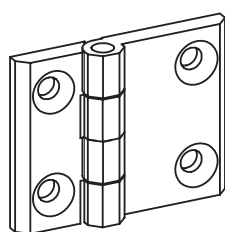
Electric panels, built-in covers

MATERIAL

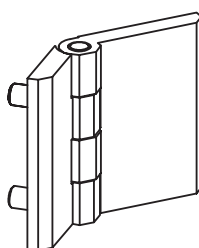
BODY: Zamak DIN-EN

1774-ZnAl4Cu1

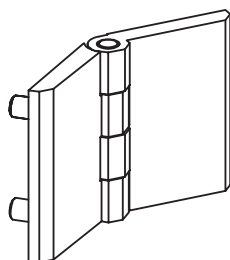
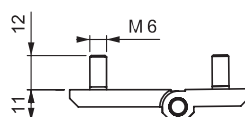
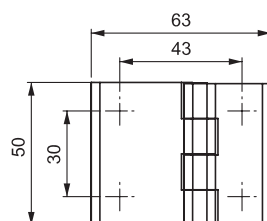
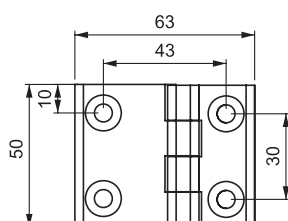
PIN: Stainless Steel



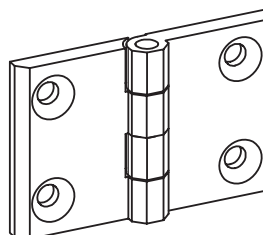
V : 7



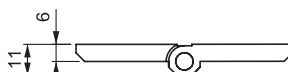
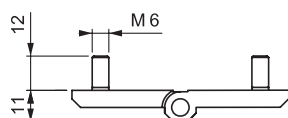
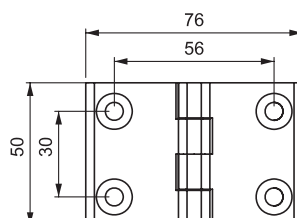
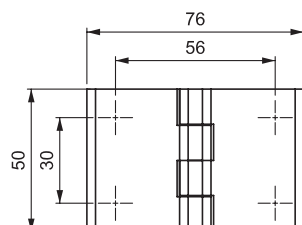
V : 8



V : 9



V : 10



PRODUCT CODE

099 - 1 - F - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle



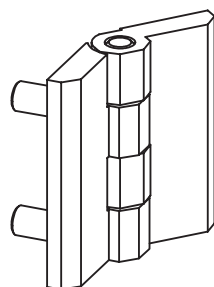
FLAT HINGES

LEAF HINGE

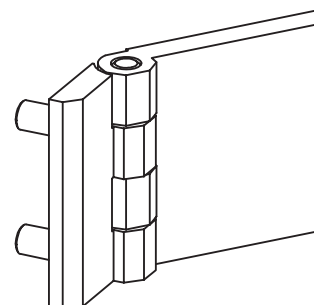
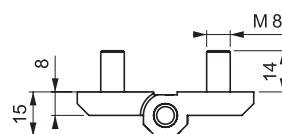
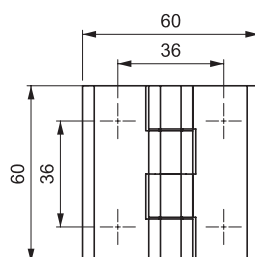
399



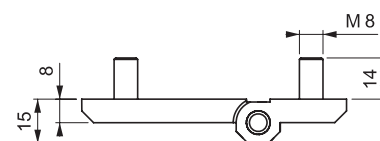
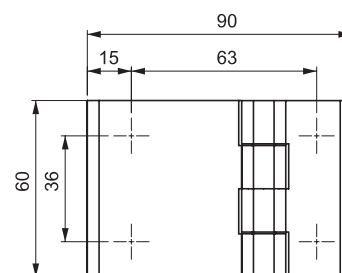
LH/RH



V : 1



V : 2



- Generally used for plain/flush-mounted, isolated heavy doors
- Stud versions fitted with M8 x 14 mm threaded stud
- Stainless steel (AISI 304) hinge pin
- Available in three sizes, hole or stud fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm

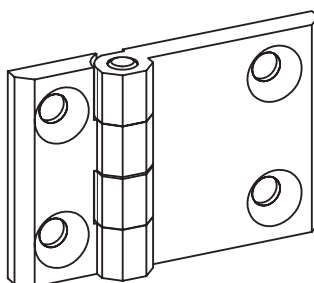
APPLICATIONS

Generators, machinery covers, electric panels

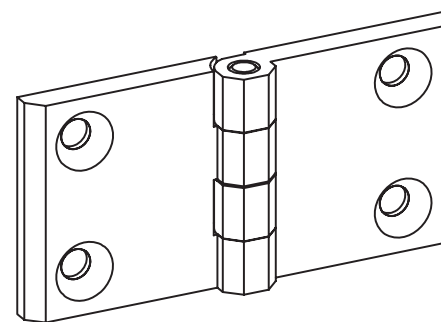
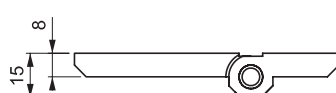
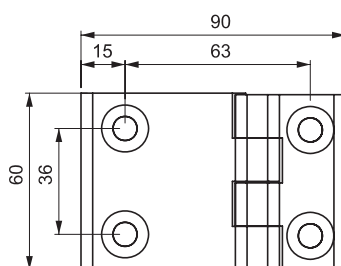
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

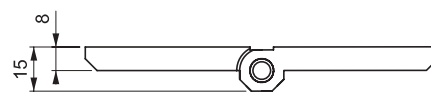
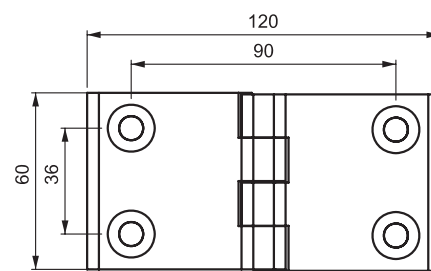
PIN: Stainless Steel



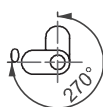
V : 5



V : 6



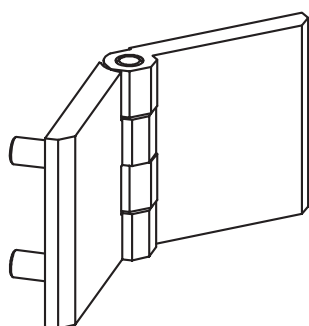
Hinge Rotation Angle



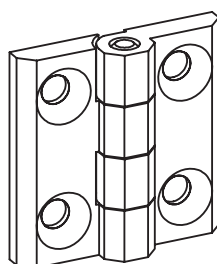


399

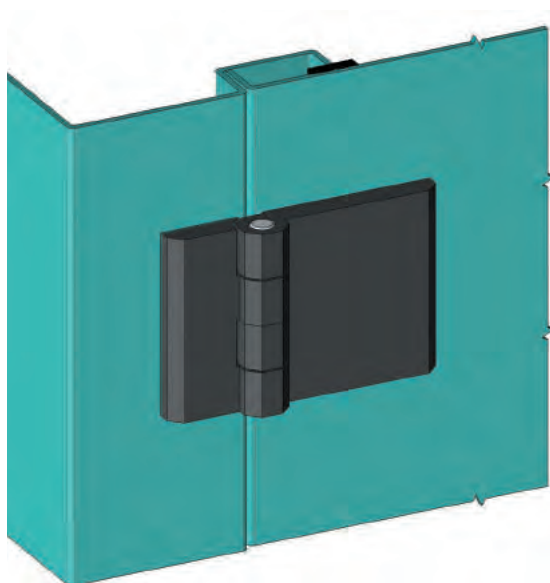
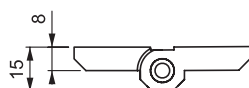
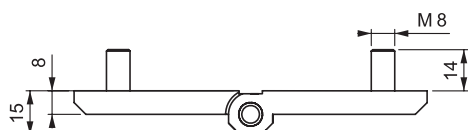
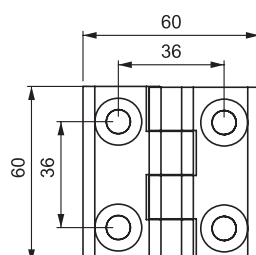
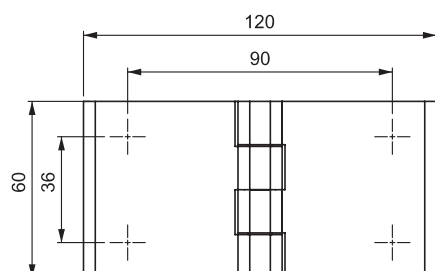
LEAF HINGE



V : 3



V : 4



• Stainless Steel version page 465

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

BODY: Zamak DIN-EN

1774-ZnAl4Cu1

PIN: Stainless Steel

PRODUCT CODE

399 - 1 - F - V

GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle



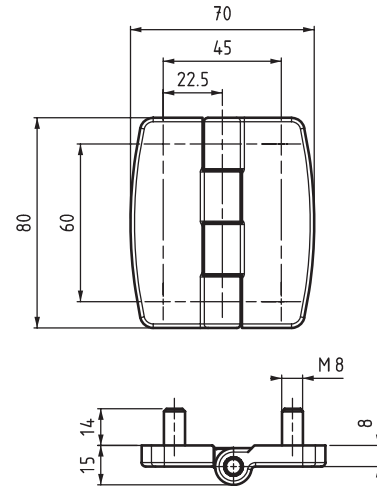
FLAT HINGES

LEAF HINGE

1399



LH/RH



V :1

- Generally used for plain/flush-mounted, isolated, heavy doors
- Stud versions fitted with M8 x 14 mm threaded stud
- Stainless steel (AISI 304) hinge pin.
- Available in three sizes, stud fixing:
 - 80 mm x 70 mm
 - 80 mm x 110 mm
 - 80 mm x 150 mm

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

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



Hinge Rotation Angle



PRODUCT CODE

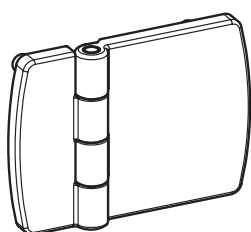
1399 - 1 - F - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

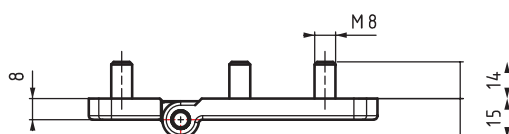
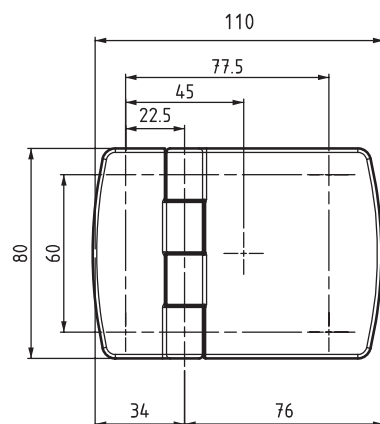


1399

LEAF HINGE



V : 2



LH/RH



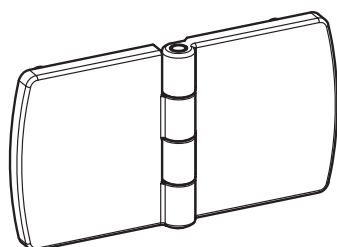
- Generally used for plain/flush-mounted, isolated, heavy doors
- Stud versions fitted with M8 x 14 mm threaded stud
- Stainless steel (AISI 304) hinge pin
- Available in three sizes, stud fixing:
 - 80 mm x 70 mm
 - 80 mm x 110 mm
 - 80 mm x 150 mm

APPLICATIONS

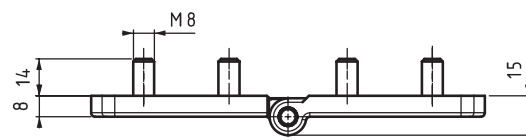
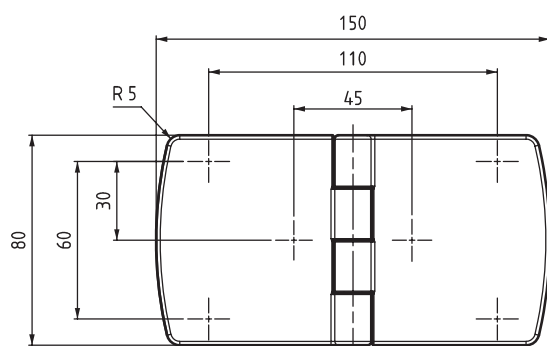
Generators, machinery covers, electric panels

MATERIAL

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



V : 3



PRODUCT CODE

1399 - 1 - F - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle





FLAT HINGES

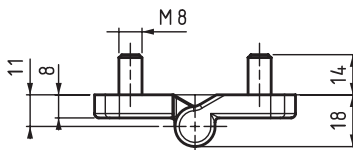
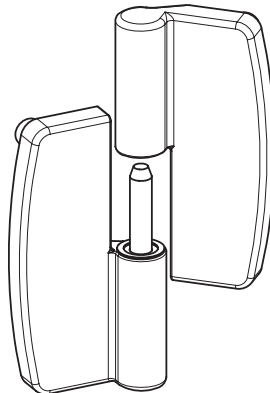
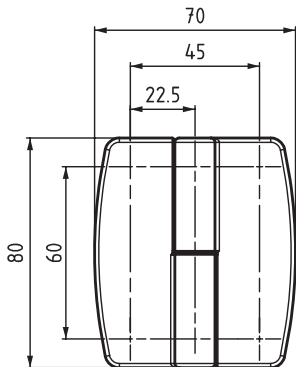
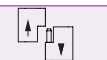
LEAF HINGE

1699



RH

LH



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

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

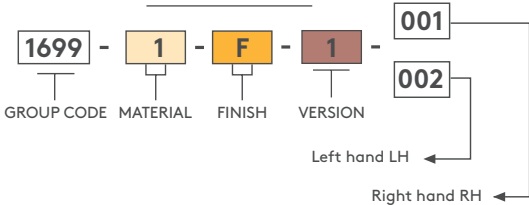
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
PIN: Stainless Steel



Hinge Rotation Angle



PRODUCT CODE



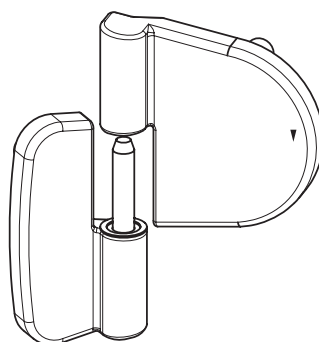
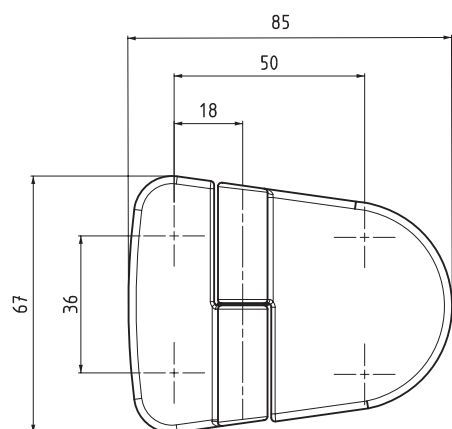
MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2



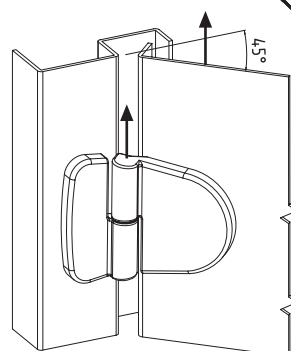
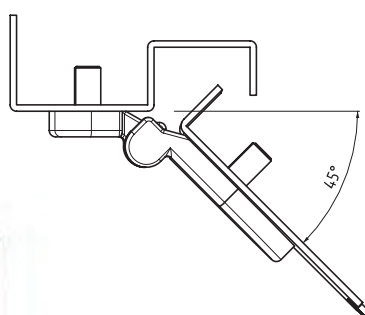
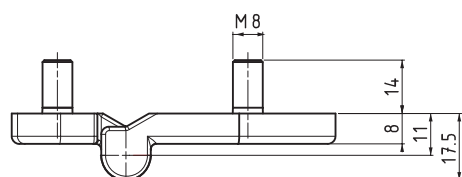
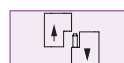
1499

LIFT-OFF HINGE



RH

LH



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

APPLICATIONS

Generators, machinery covers, electric panels

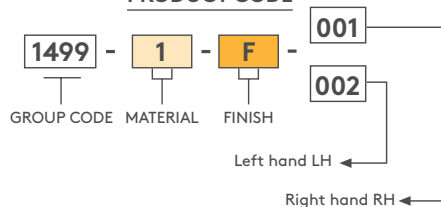
MATERIAL

BODY: Zamak DIN-EN

1774-ZnAl4Cu1

PIN: Stainless Steel

PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Chrome	1
Black coated	2



FLAT HINGES

LEAF HINGE

900



LH/RH

- Generally used for plain/flush-mounted doors and insulated panels
- Provides strong fixing by 6 pcs. M8 bolts
- Opening angle 270°

APPLICATIONS

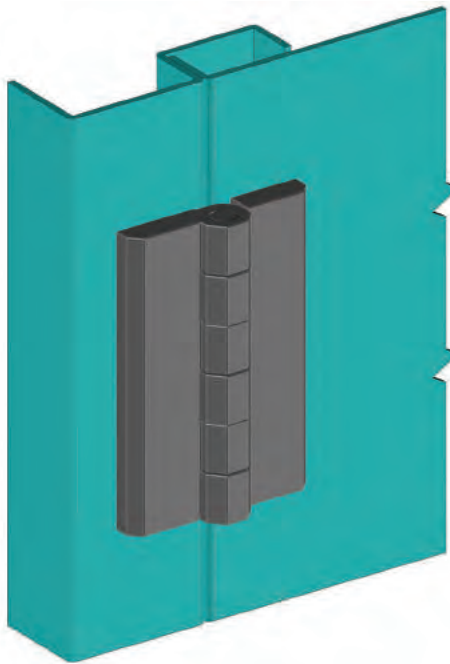
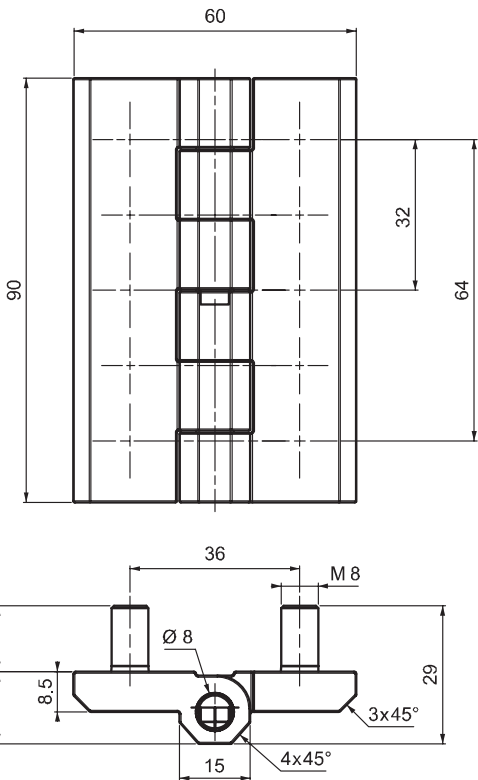
Generators, machinery covers, electric panels

MATERIAL

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

FINISH

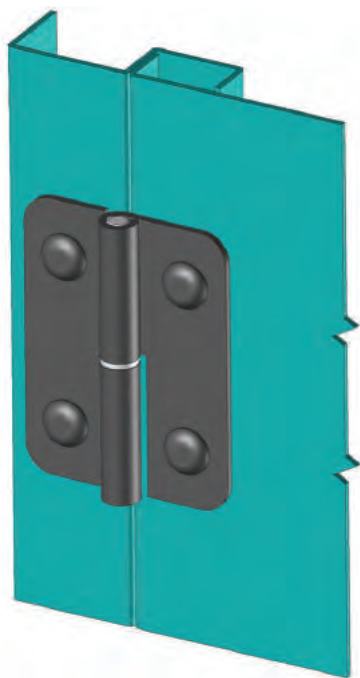
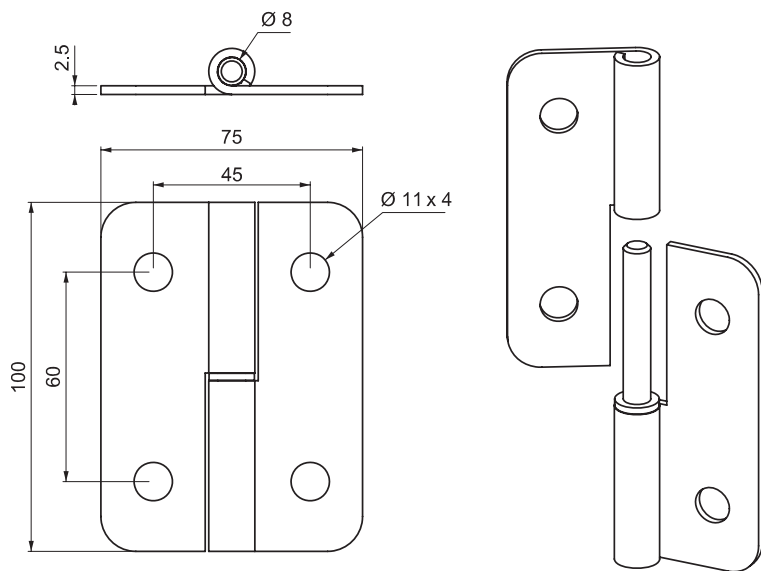
Chrome plated or black coated



PRODUCT CODE

900 - M - F
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2



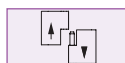
899

LEAF HINGE



RH

LH



- Stainless steel version: page 472
- Heavy-duty lift off hinge
- Suitable for left- and right-hand applications
- Opening angle 180°

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

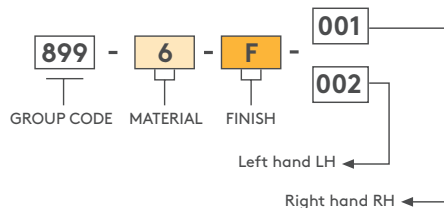
BODY: Steel

PIN: Steel

FINISH

Zinc plated or black coated

PRODUCT CODE



MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2

Hinge Rotation Angle



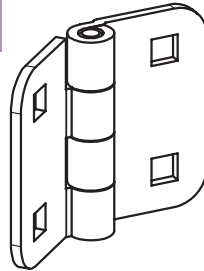
FLAT HINGES

LEAF HINGE

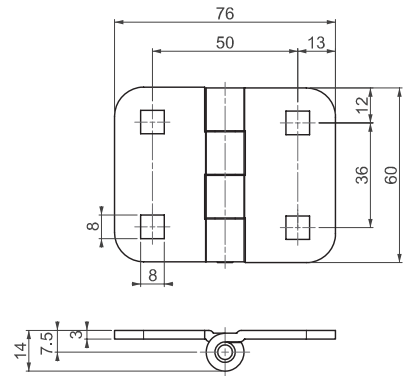
499



LH/RH



V : 1



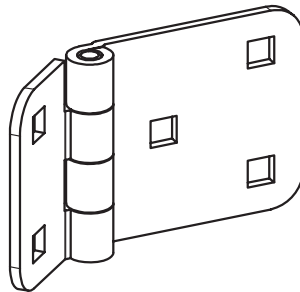
- Generally used for plain/flush-mounted, isolated, heavy doors
- Steel construction provides very high resistance
- M8 x 12 mm coach bolts supplied.

APPLICATIONS

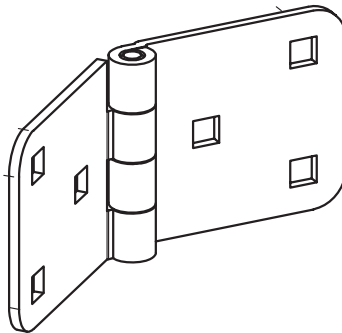
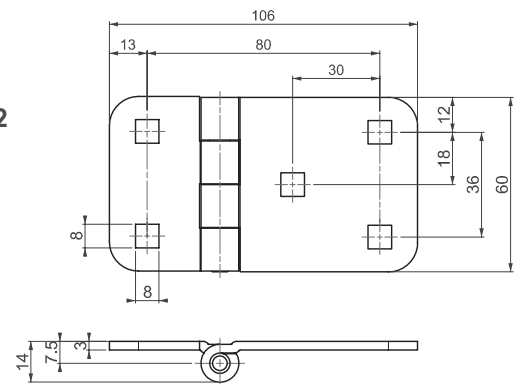
Generators, machinery covers, electric panels

MATERIAL

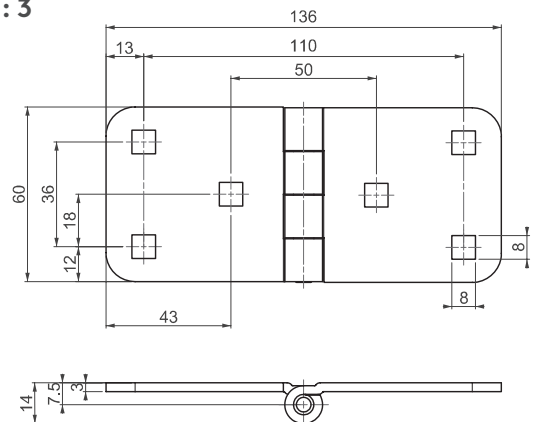
BODY: Steel
PIN: Stainless Steel



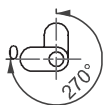
V : 2



V : 3



Hinge Rotation Angle



PRODUCT CODE

499 - 6 - F - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2



599

LEAF HINGE



LH/RH



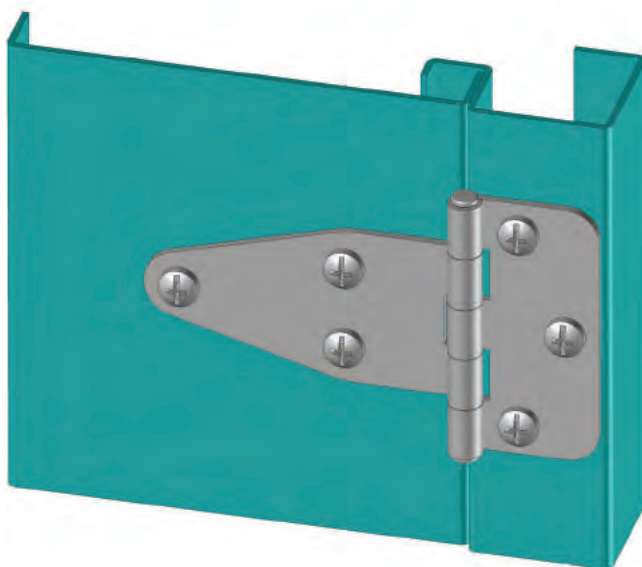
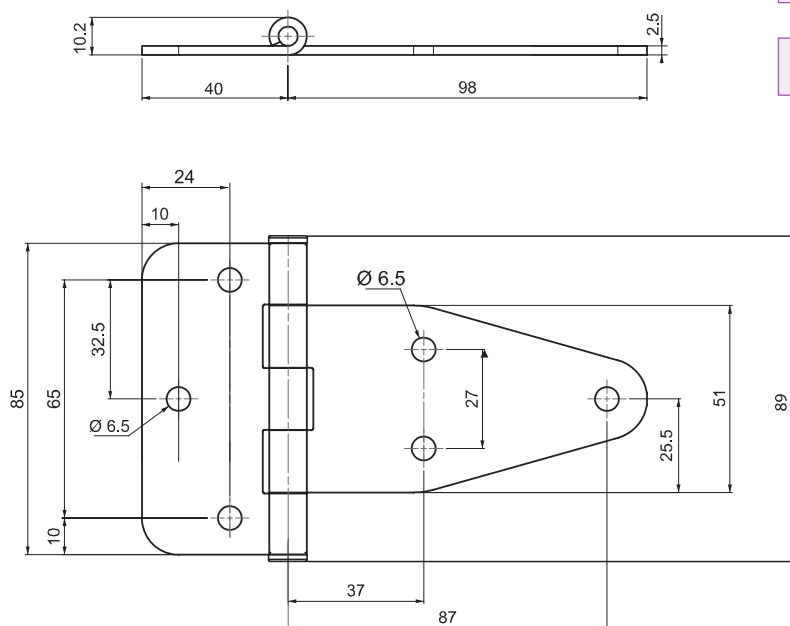
- Stainless steel version: page 468
- Generally used for plain/flush-mounted, isolated heavy doors
- Both parts attached by screws or nuts and bolts
- Hinge-rotation angle 180°

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

BODY: Steel
PIN: Stainless Steel



PRODUCT CODE

599 - 6 - F
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2

Hinge Rotation Angle

0° 180°



Note: Bolts are not supplied

FLAT HINGES

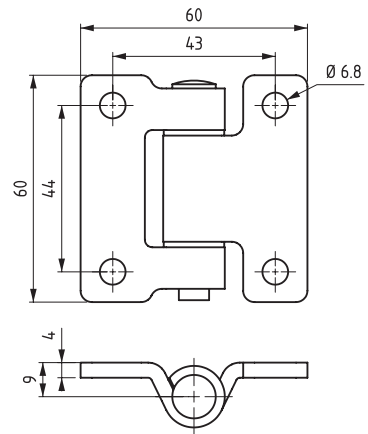
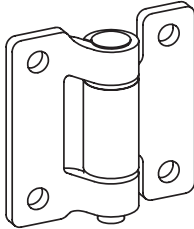
LEAF HINGE

1599

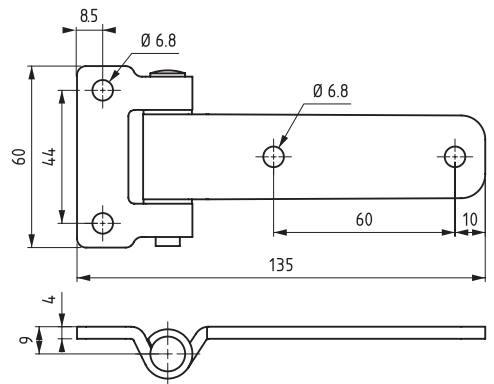
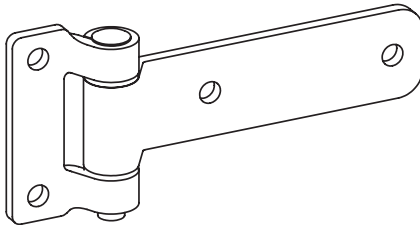


LH/RH

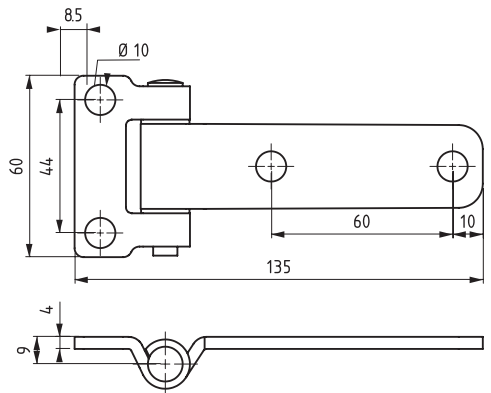
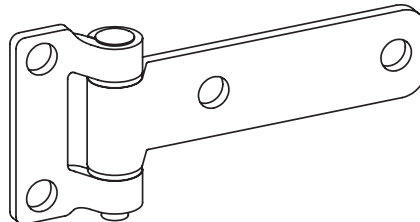
V :1



V :2



V :3



- **Stainless steel version: page 470**
- Generally, used for plain/flush mounted, isolated, heavy doors.
- Both parts are attached by screws or nuts and bolts
- Hinge Rotation angle is 180°

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

BODY: Steel
PIN: Stainless steel

FINISH

Zinc plated or black coated

Hinge Rotation Angle



 **Note:** Bolts are not supplied

PRODUCT CODE

1599	-	6	-	F	-	V
GROUP CODE		MATERIAL		FINISH		VERSION

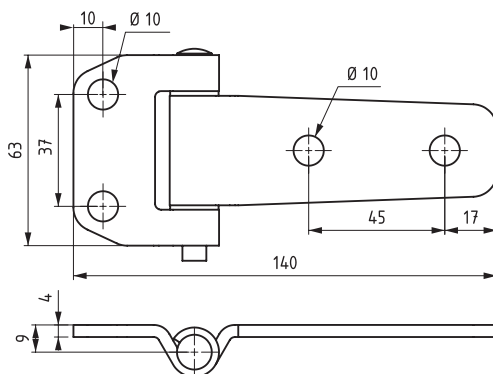
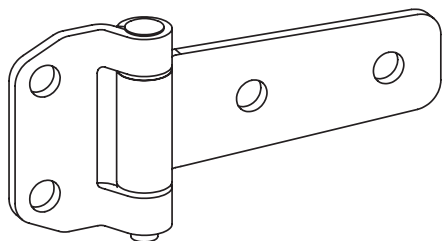
MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2



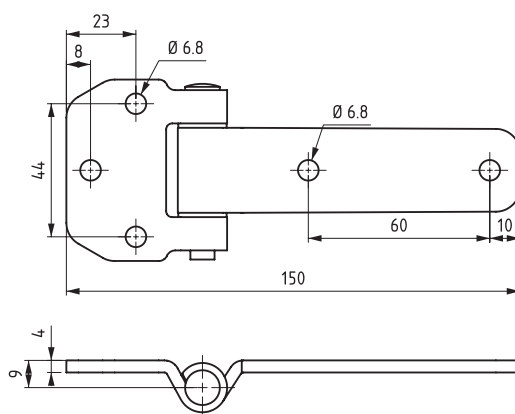
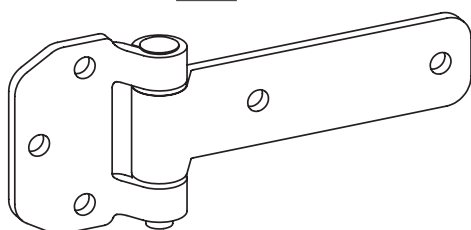
1599

LEAF HINGE

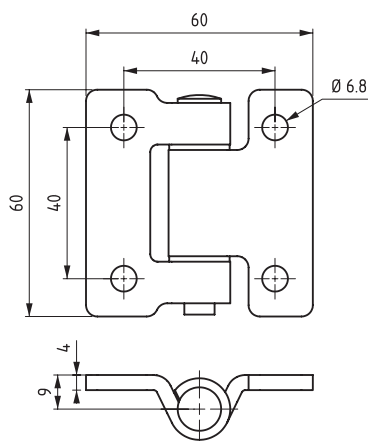
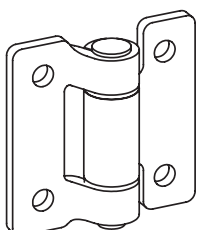
V : 4



V : 5



V : 6



- Stainless steel version: page 471
- Generally, used for plain/flush mounted, isolated, heavy doors.
- Both parts are attached by screws or nuts and bolts
- Hinge Rotation angle is 180°

APPLICATIONS

Generators, machinery covers, electric panels

MATERIAL

BODY: Steel
PIN: Stainless steel

FINISH

Zinc plated or black coated

PRODUCT CODE

1599 - 6 - F - V
GROUP CODE MATERIAL FINISH VERSION

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied

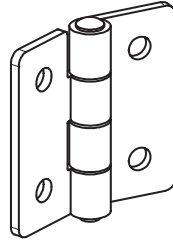
FLAT HINGES

LEAF HINGE

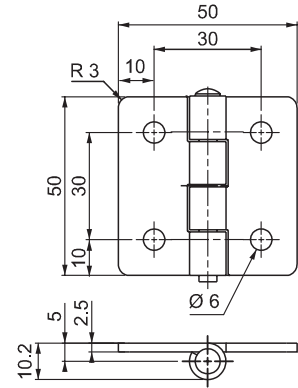
799



LH/RH



V : 1



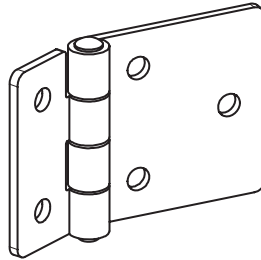
- Stainless steel version: page 469
- Generally used for plain/flush-mounted, isolated, heavy doors

APPLICATIONS

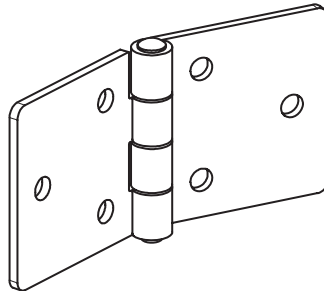
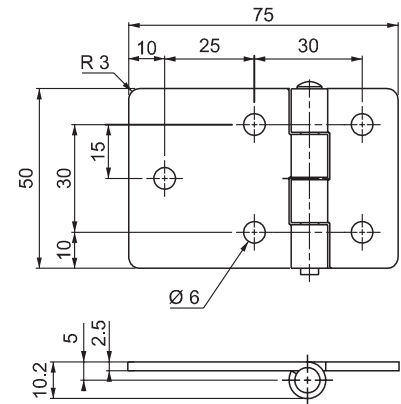
Electric panels, built-in covers

MATERIAL

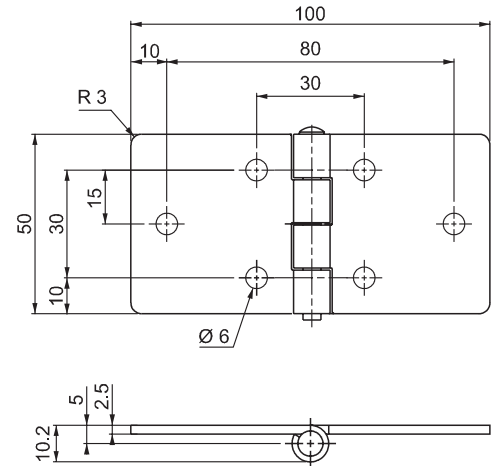
BODY: Steel
PIN: Stainless Steel



V : 2



V : 3



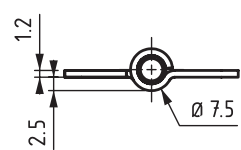
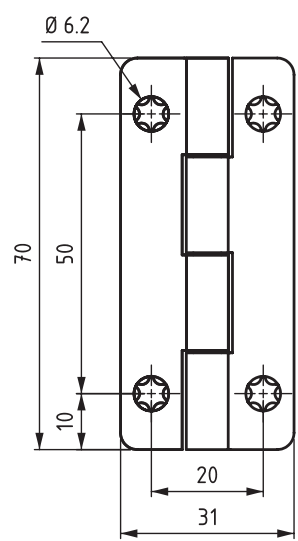
PRODUCT CODE

799 - 6 - F - V
GROUP CODE MATERIAL FINISH VERSION

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2



2899

LEAF HINGE



LH/RH



APPLICATIONS
Fire-hose cabinets, electric panels

MATERIAL
BODY: Steel
PIN: Stainless Steel

PRODUCT CODE

2899 - 6 - 3

GROUP CODE MATERIAL FINISH

Hinge Rotation Angle





FLAT HINGES

LEAF HINGE

1199



LH/RH

- Generally used for plain/flush-mounted doors
- With- or without-bolt options are available
- Stainless steel pin

APPLICATIONS

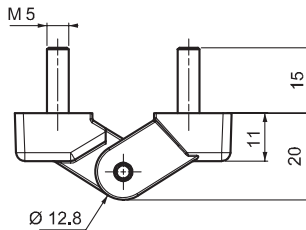
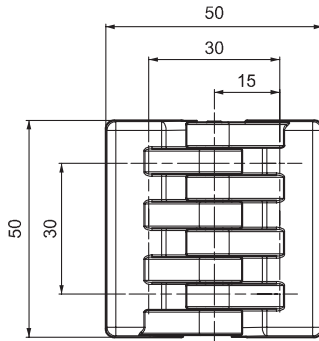
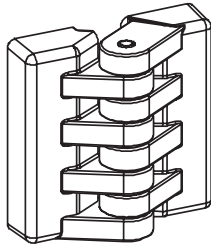
Electric panels, built-in covers

MATERIAL

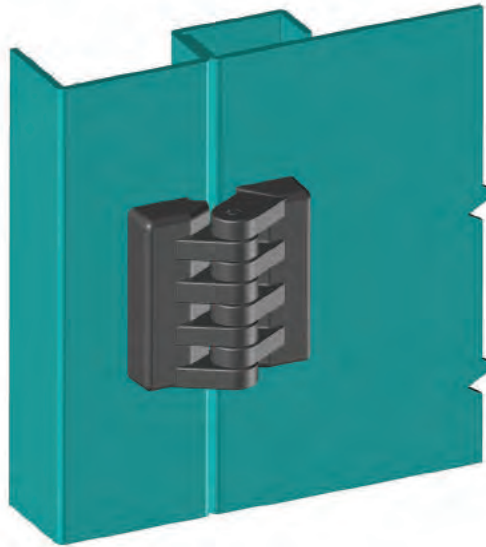
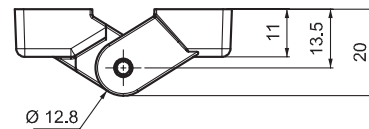
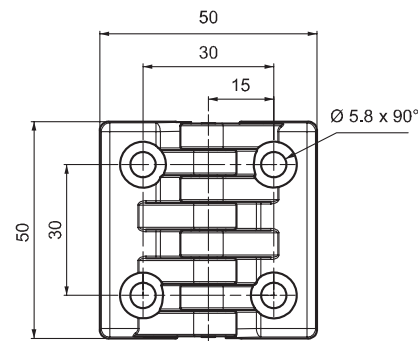
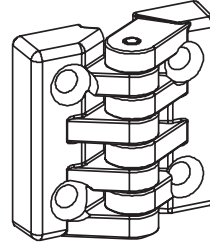
BODY: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30

PIN: Stainless Steel

V :1



V :2



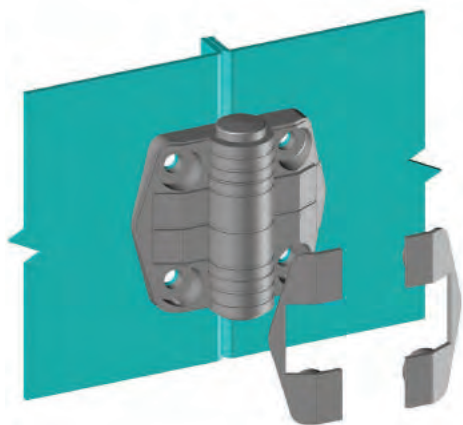
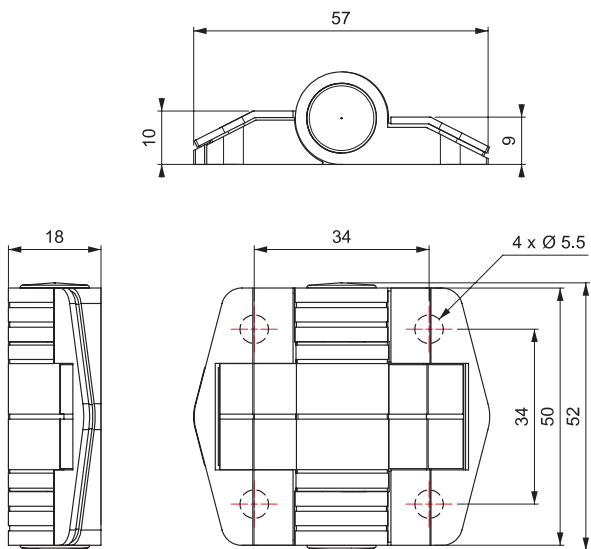
Hinge Rotation Angle



PRODUCT CODE

1199	-	2	-	0	-	V
GROUP CODE		MATERIAL		FINISH		VERSION

MATERIAL	M	FINISH	F
Plastic	2	No finish	0



Position	Force (N-m)	Version
	No Detens	10
80° 	0.7	21
	1.1	22
	1.7	23
115° 	0.7	31
	1.1	32
	1.7	33
150° 	0.7	41
	1.1	42
	1.7	43

PRODUCT CODE

2599	-	2	-	0	-	V
GROUP CODE		MATERIAL		FINISH		VERSION

MATERIAL	M	FINISH	F
Plastic	2	No finish	0

2599

New

LH/RH

INDEX HINGE



- Different angle and torque is available
- Holds door open at specific degrees. 80°, 115°, 150°

APPLICATIONS
Electric panels, machinery covers

MATERIAL
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
PIN: Plastic

FLAT HINGES

TORQUE HINGE

2199



LH/RH

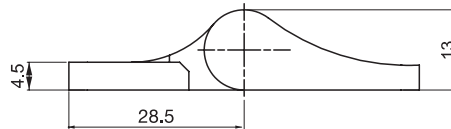
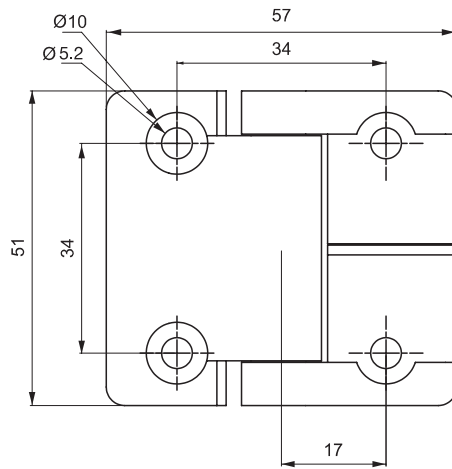
- 3.4 Nm symmetric torque
- Over 25,000 cycle life within $\pm 20\%$ of static torque specification
- Suitable left- and right-hand applications
- M5 screw mounting

APPLICATIONS

Display panels, office equipment, medical equipment, industrial enclosures

MATERIAL

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



Hinge Rotation Angle



PRODUCT CODE

2199 - 1 - 2
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

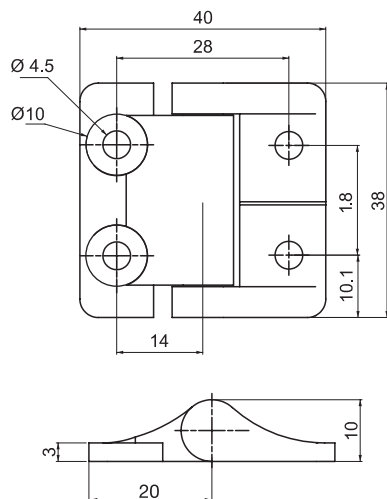


2099

TORQUE HINGE



LH/RH



- 2.3 Nm symmetric torque
- Over 25,000 cycle life within $\pm 20\%$ of static torque specification
- Suitable for left- and right-hand application
- M5 screw mounting

APPLICATIONS

Display panels, office equipment, medical equipment, industrial enclosures

MATERIAL

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

PRODUCT CODE

2099 - 1 - 2
GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



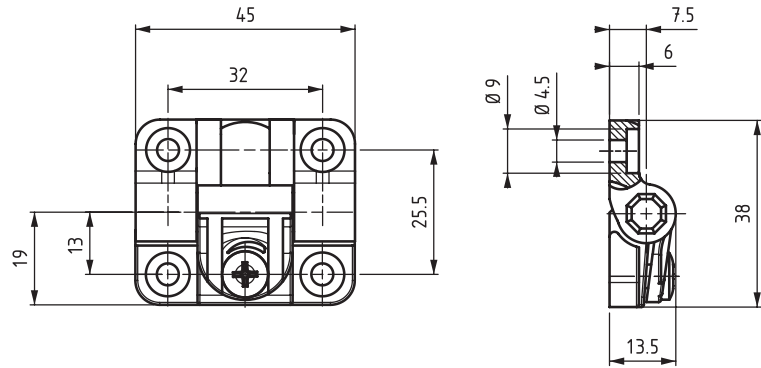
FLAT HINGES

ADJUSTABLE TORQUE HINGE

2399



LH/RH



- Hinge torque can be adjusted with screw
- Provide position control
- Suitable for left- and right-hand applications
- Fixed with M4 screw

APPLICATIONS

Generally used for plain/flush-mounted doors

MATERIAL

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

SCREWS AND NUTS:

Stainless Steel (AISI 304)

PERFORMANCE DETAILS

Axial load: (N)

Working load: 700

Breaking load weight: 1100

Radial load: (N)

Working load: 1400

Breaking load weight: 1800

Torque value: 0.8 N.m.

Working temperature:

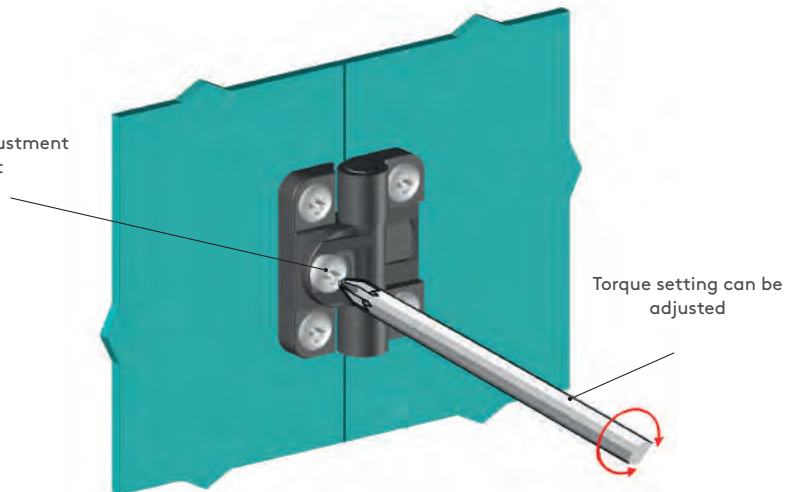
- 5°C + 65°C

Fasteners:

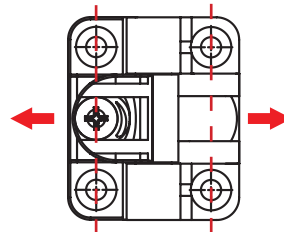
(Bolts and nuts are not supplied)

Screw and nut: M4

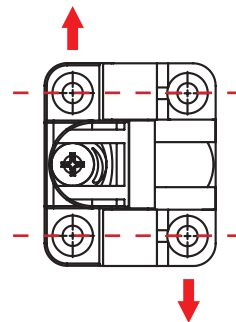
Torque adjustment bolt



Axial load (N)



Radial load (N)



Hinge Rotation Angle



Note: Bolts and nuts are not supplied

PRODUCT CODE

2399 - 2 - 0

GROUP CODE MATERIAL FINISH

2499

ADJUSTABLE TORQUE HINGE



LH/RH



- Hinge torque can be adjusted by screw
- Provides position control
- Suitable for left- and right-hand applications
- Fixed by M6 screw

APPLICATIONS

Generally used for plain/flush-mounted doors

MATERIAL

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

SCREWS AND NUTS: Stainless Steel (AISI 304)

PERFORMANCE DETAILS

Axial load: (N)

Working load: 1500

Breaking load weight: 2350

Radial load: (N)

Working load: 2250

Breaking load weight: 3200

Torque value: 4 Nm

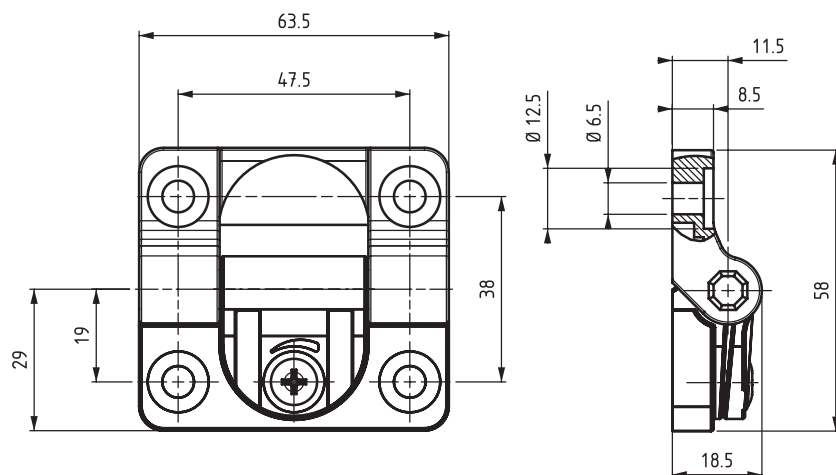
Working temperature:

- 5°C + 65°C

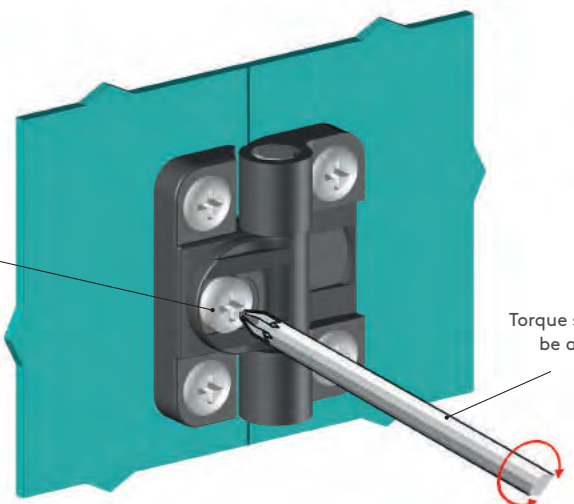
Fasteners:

(Bolts and nut are not supplied)

Screw and nut: M6

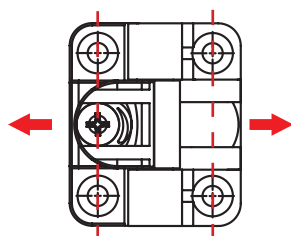


Torque adjustment bolt

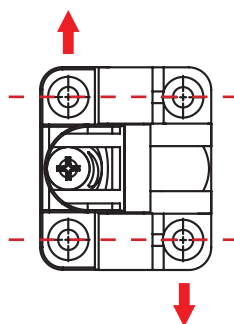


Torque setting can be adjusted

Axial load (N)



Radial load (N)



PRODUCT CODE

2499 - 2 - 0

GROUP CODE MATERIAL FINISH

Hinge Rotation Angle

0° - 180°

FLAT HINGES

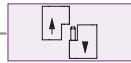
LIFT-OFF HINGE

699



RH

LH



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

APPLICATIONS

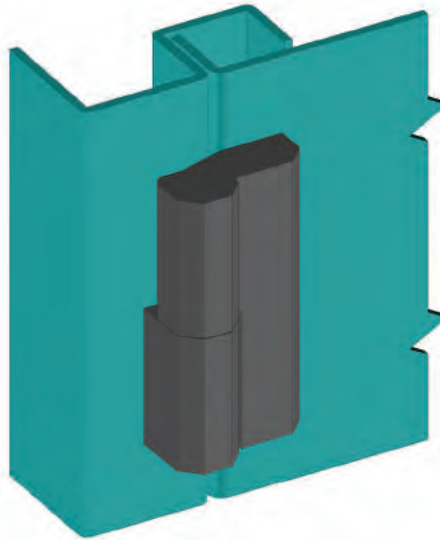
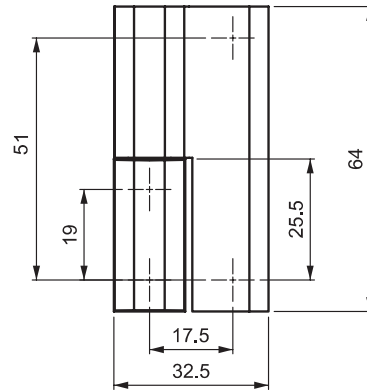
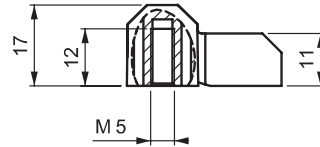
Electric panels, built-in covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Stainless Steel

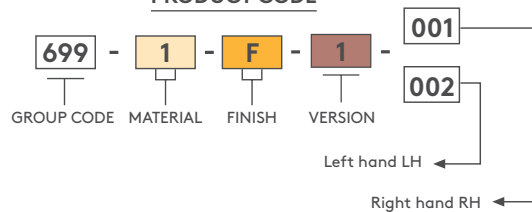
V : 1



Hinge Rotation Angle



PRODUCT CODE



MATERIAL	M
Zamak	1

FINISH	F
Zinc plated	3
Black coated	2



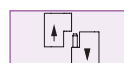
699

LIFT-OFF HINGE



RH

LH



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

APPLICATIONS

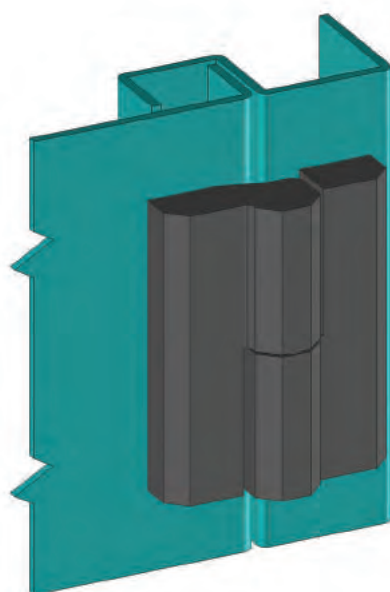
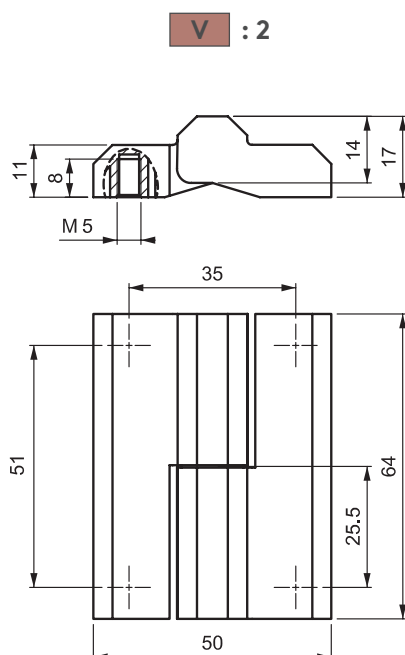
Electric panels, built-in covers

MATERIAL

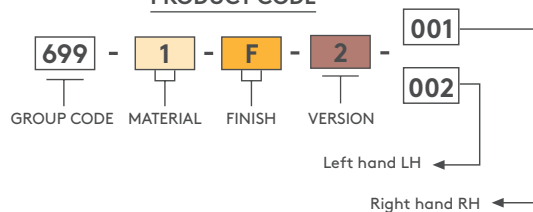
BODY: Zamak DIN-EN

1774-ZnAl4Cu1

PIN: Stainless Steel

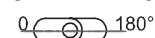


PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		Black coated	2

Hinge Rotation Angle



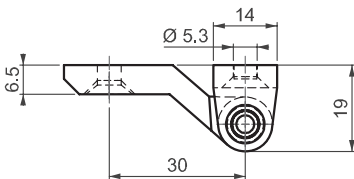
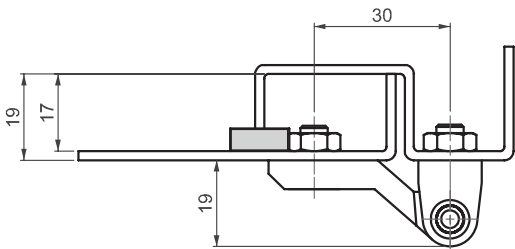
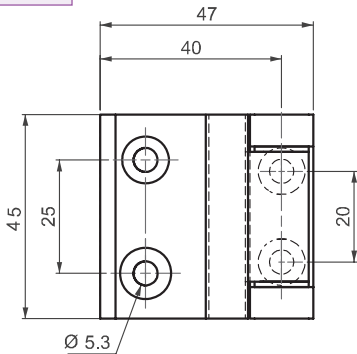
FLAT HINGES

HINGE WITH BEARING

100



LH/RH



APPLICATIONS

Electric panels, machinery covers

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

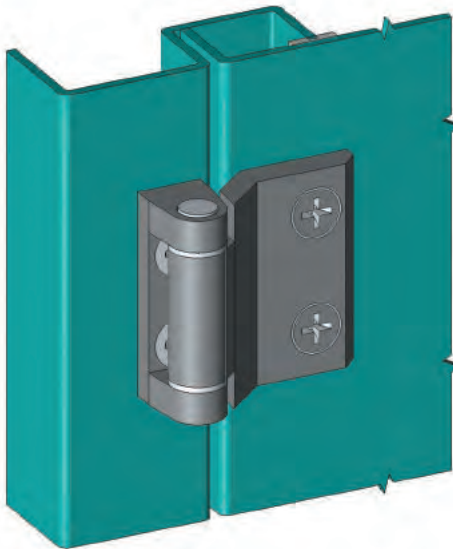
PIN: Steel

BEARING: Delrin

FINISH

Chrome

Black coated



Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

100 - 1 - F - 00

GROUP CODE MATERIAL FINISH HEIGHT

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2



600

HVAC HINGE



LH/RH



- Stainless steel version: page 462
- Designed for plain/flush-mounted doors
- Pin and plastic guides supplied separately
- Can be used for offset doors
Please see Corner Hinges section

APPLICATIONS

Electric panels, built-in covers

MATERIAL

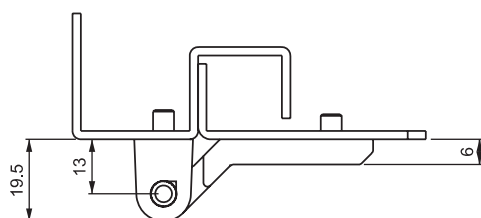
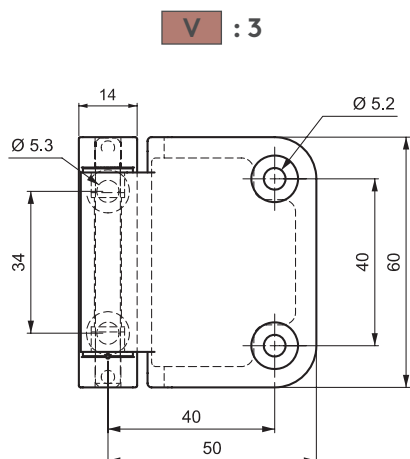
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel

BEARING: Delrin

FINISH

Black coated



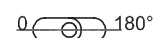
PRODUCT CODE

600 - 1 - 2 - 00 - 3

GROUP CODE MATERIAL FINISH HEIGHT VERSION

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied

FLAT HINGES

HVAC HINGE (2D)

600



RH

LH

2D

- Designed for plain/flush-mounted doors
- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustment possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm.
- Also can be used for offset doors
Please see Corner Hinges section

APPLICATIONS

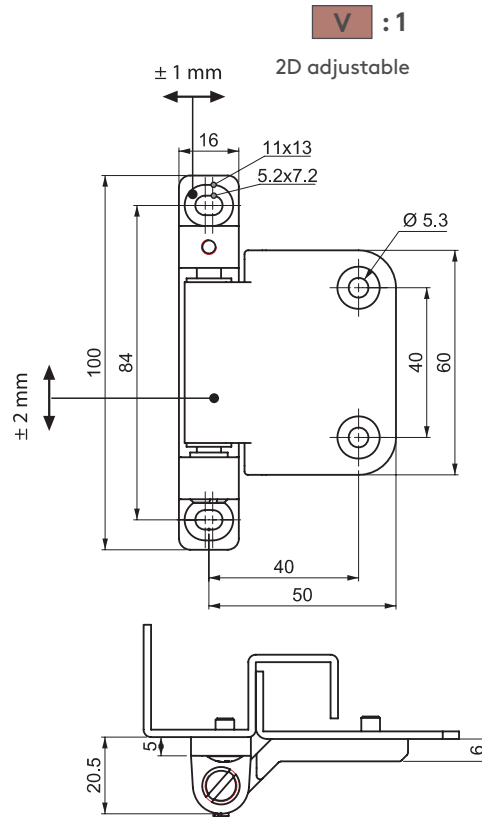
Central air conditioning units,
electric panels, machinery covers

MATERIAL

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

FINISH

Black coated

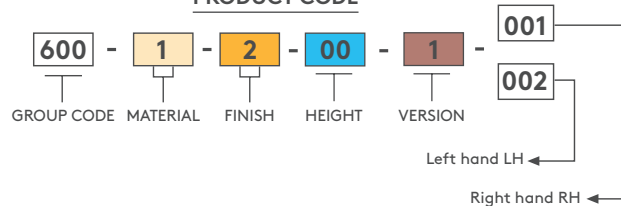


Hinge Rotation Angle

0° 180°

Note: Bolts are not supplied

PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

600

LEAF HINGE



LH/RH



- Designed for plain/flush-mounted doors
- Hinge supplied pre-assembled to decrease labour costs
- Can be used for offset doors
Please see Corner Hinges section

APPLICATIONS

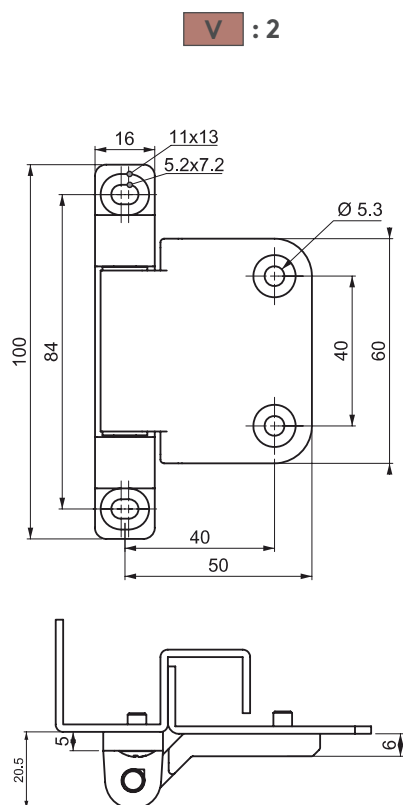
Central air conditioning units,
electric panels, machinery covers

MATERIAL

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

FINISH

Black coated



PRODUCT CODE

600 - 1 - 2 - 00 - 2
GROUP CODE MATERIAL FINISH HEIGHT VERSION

MATERIAL		FINISH	
Zamak	1	Black coated	2

Hinge Rotation Angle

0° 180°



Note: Bolts are not supplied

FLAT HINGES

HVAC HINGE (2D)

700



- Designed for plain/flush-mounted doors
- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustment possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm.
- Can be used for offset doors
Please see Corner Hinges section

APPLICATIONS

Central air conditioning units, electric panels, machinery covers

MATERIAL

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

FINISH

Black coated



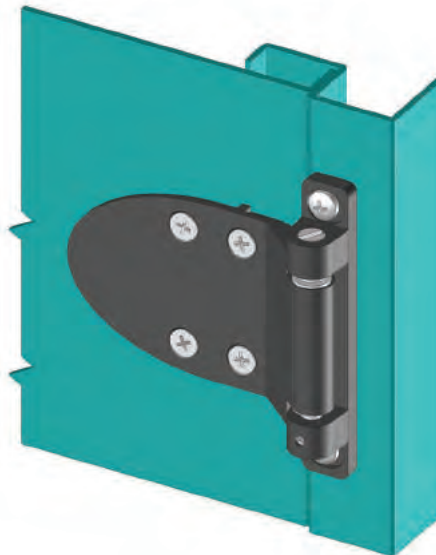
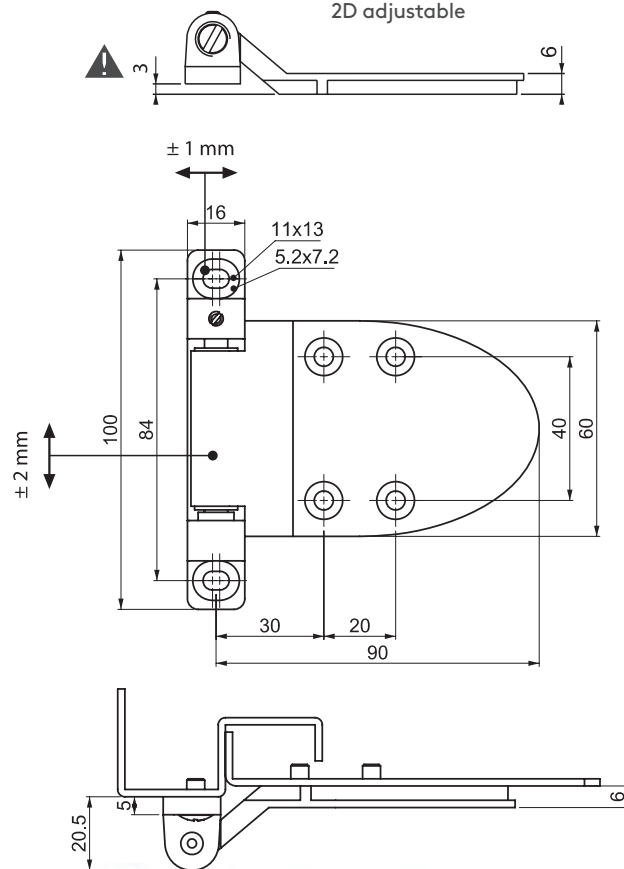
RH

LH

2D

V : 1

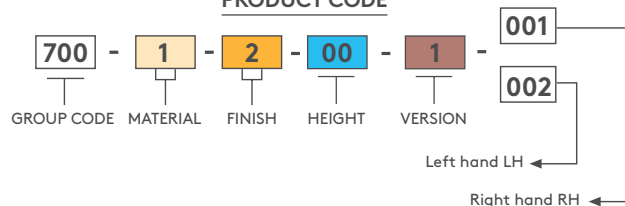
2D adjustable



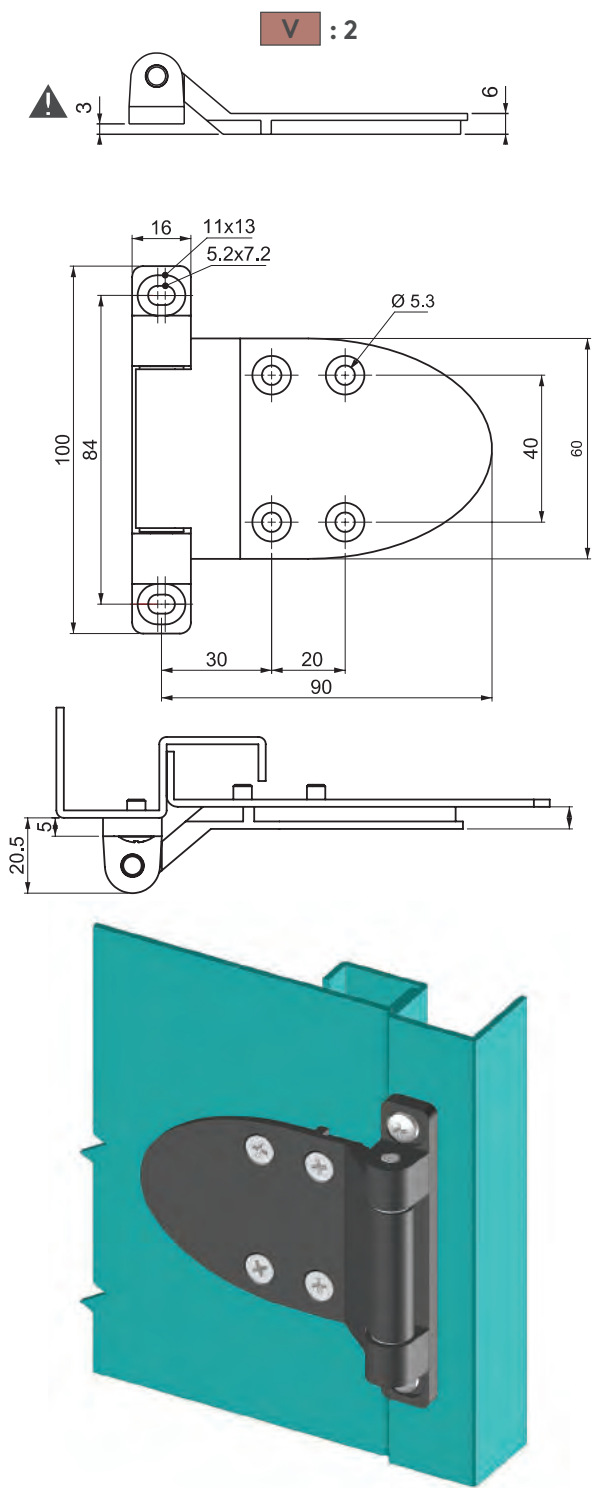
Hinge Rotation Angle



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2



700

HVAC HINGE



LH/RH



- Design for plain/flush-mounted doors
- For side-mounted doors with a bend of 2-12 mm
- Hinge supplied pre-assembled to decrease labour costs
- Can be used for offset doors
Please see Corner Hinges section

APPLICATIONS

Central air conditioning units,
electric panels, machinery covers

MATERIAL

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

FINISH

Black coated

PRODUCT CODE

700 - 1 - 2 - 00 - 2
GROUP CODE MATERIAL FINISH HEIGHT VERSION

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle



FLAT HINGES

HVAC HINGE (3D)

800



RH

LH

3D

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

APPLICATIONS

Central air conditioning units, electric panels, machinery covers

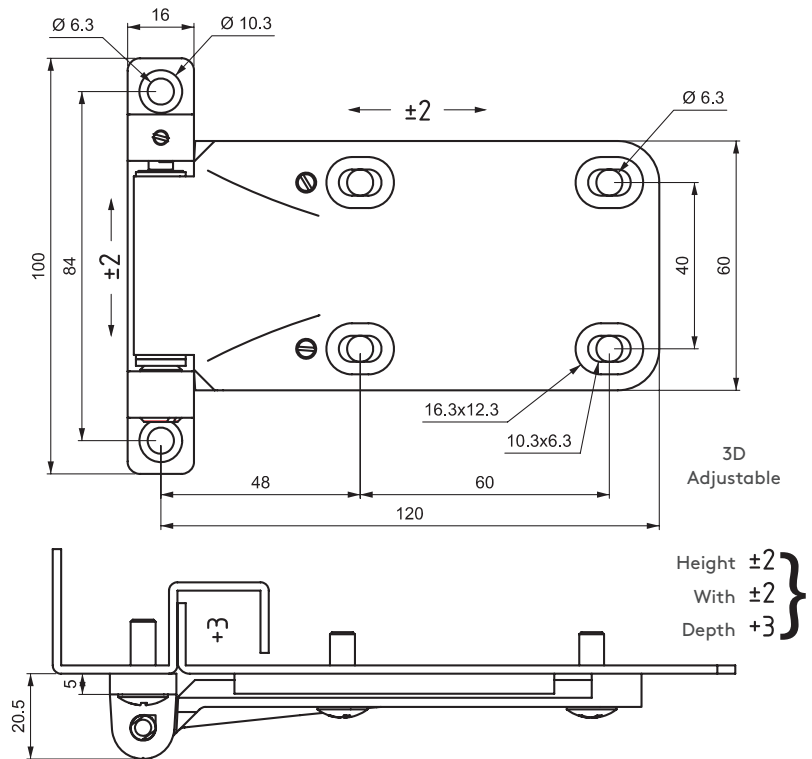
MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel
BEARING: Delrin

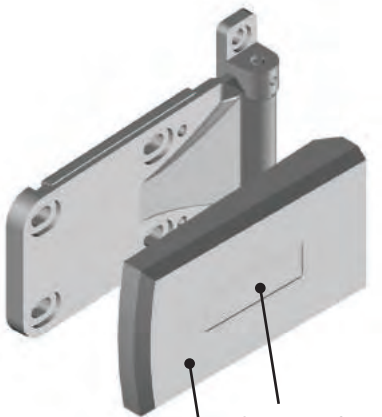
FINISH

Black coated



HINGE COVER

320.02.017

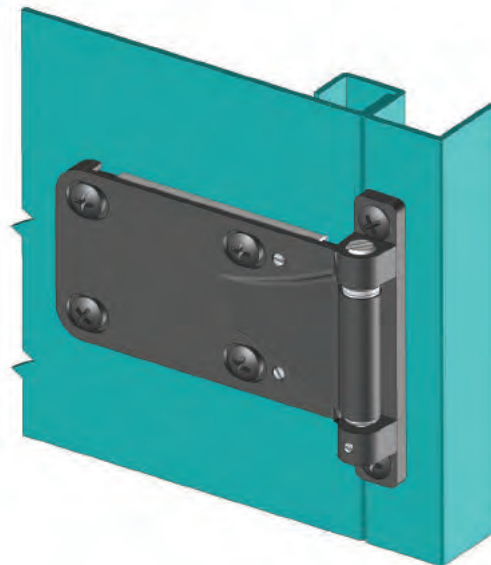


Company logo

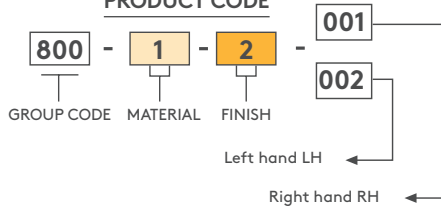
(Order seperetaly)

MATERIAL

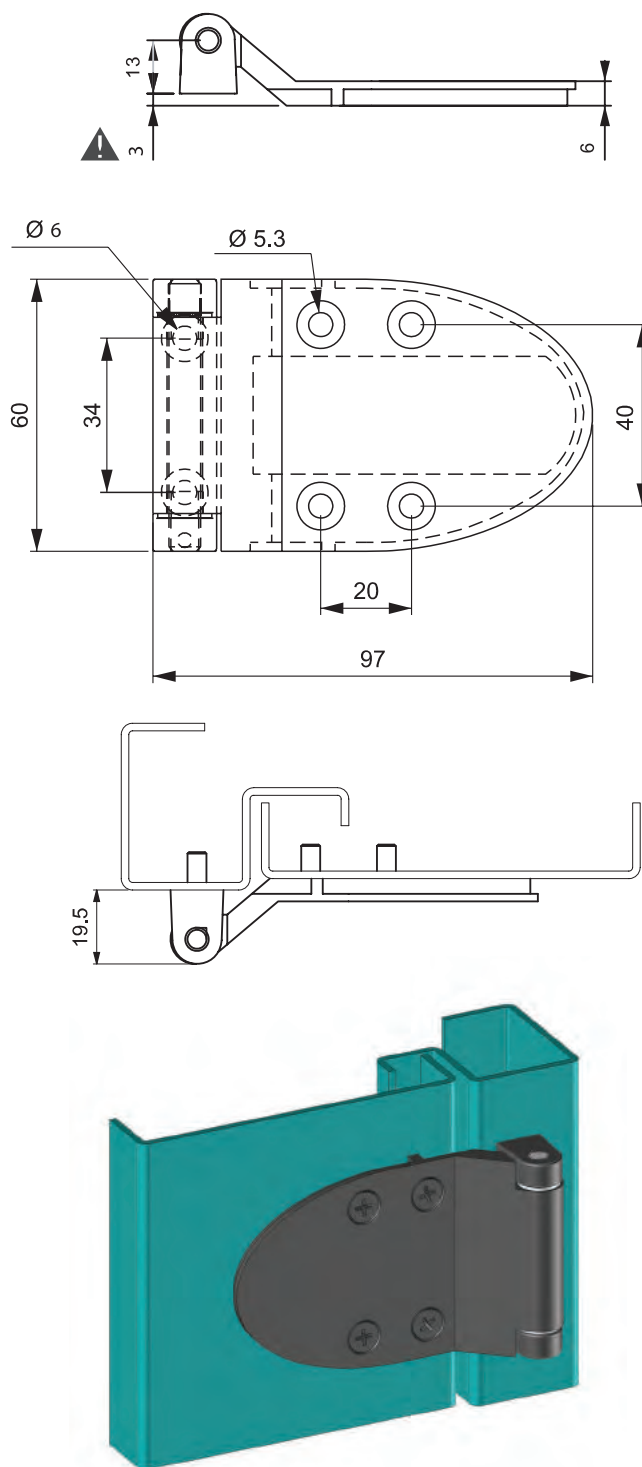
Polyamide
DIN-EN ISO1043-1 PA6 GFR 30



PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2



500

HVAC HINGE



LH/RH



- 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

APPLICATIONS

Central air conditioning units

MATERIAL

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

FINISH

Black coated



PRODUCT CODE

500 - 1 - 2

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Hinge Rotation Angle

0° 180°

Note: Bolts are not supplied

FLAT HINGES

HVAC HINGE

300



LH/RH

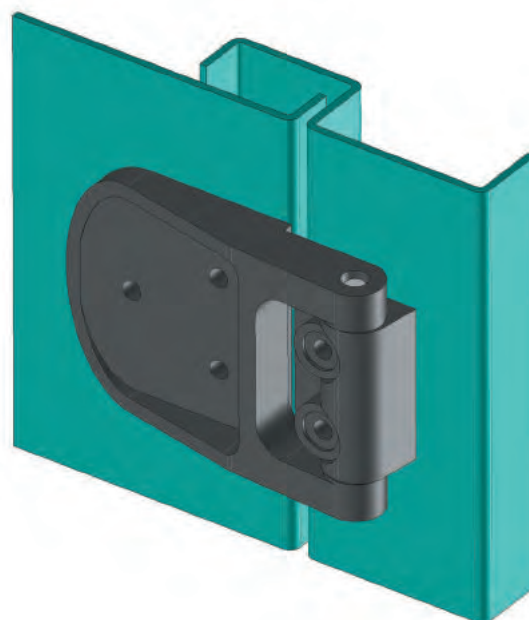
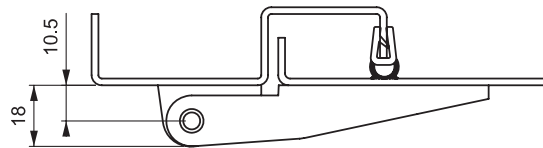
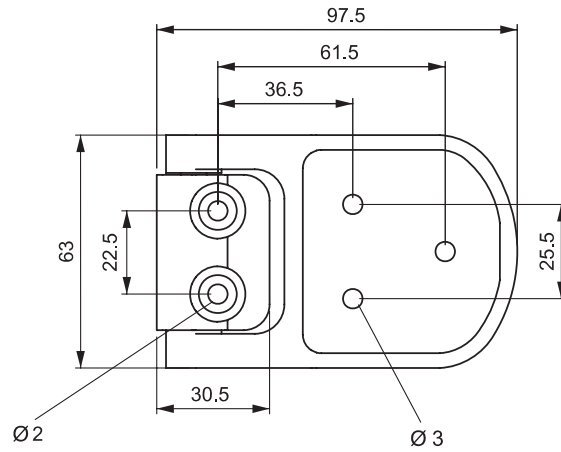
APPLICATIONS

Central air conditioning units,
electric panels, machinery covers

MATERIAL

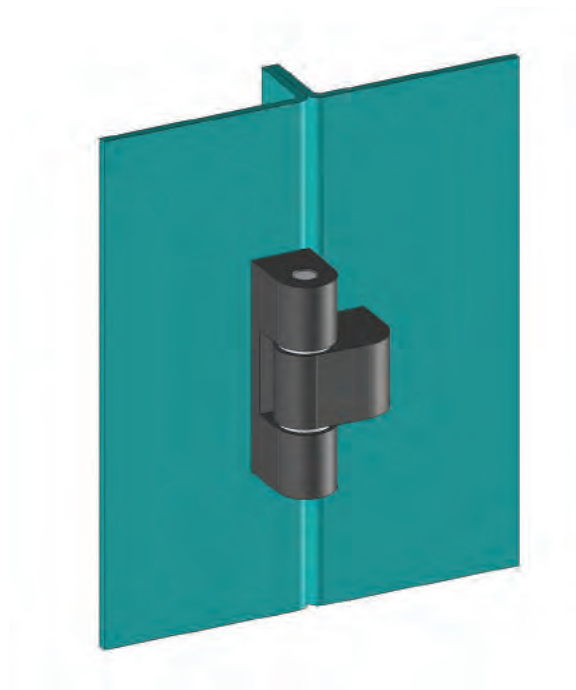
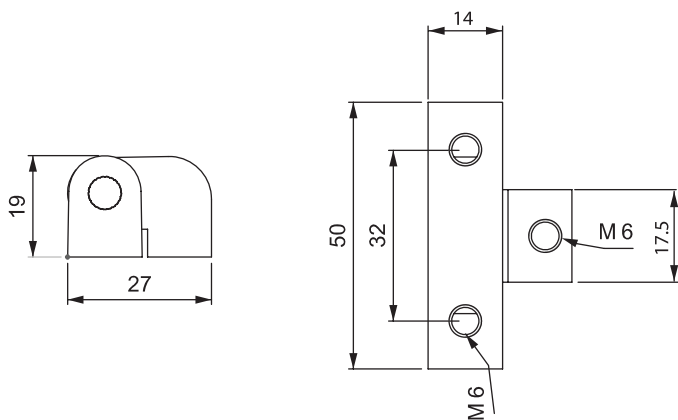
BODY: Polyamide DIN-EN
ISO 1043-1
PA 6 GFR 30

PIN: Stainless Steel



Hinge Rotation Angle





693

HINGE WITH BEARING



LH/RH



APPLICATIONS

Electric panels, machinery covers

MATERIAL

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

PRODUCT CODE

693 - 1 - F - 2
GROUP CODE MATERIAL FINISH VERSION

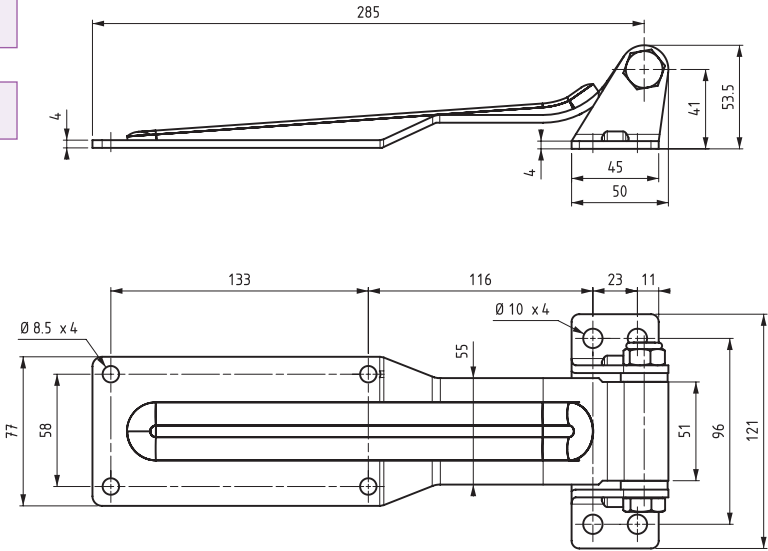
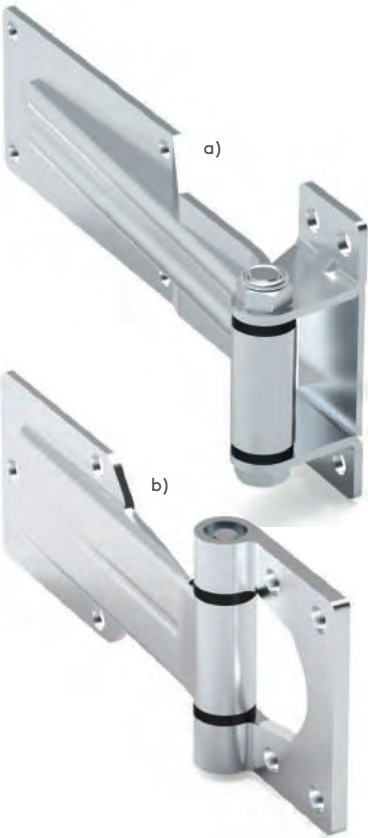
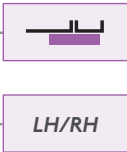
MATERIAL		FINISH	
	M		F
Zamak	1	Chrome	1
		Black coated	2

Hinge Rotation Angle





TRUCK CARRIER HINGE



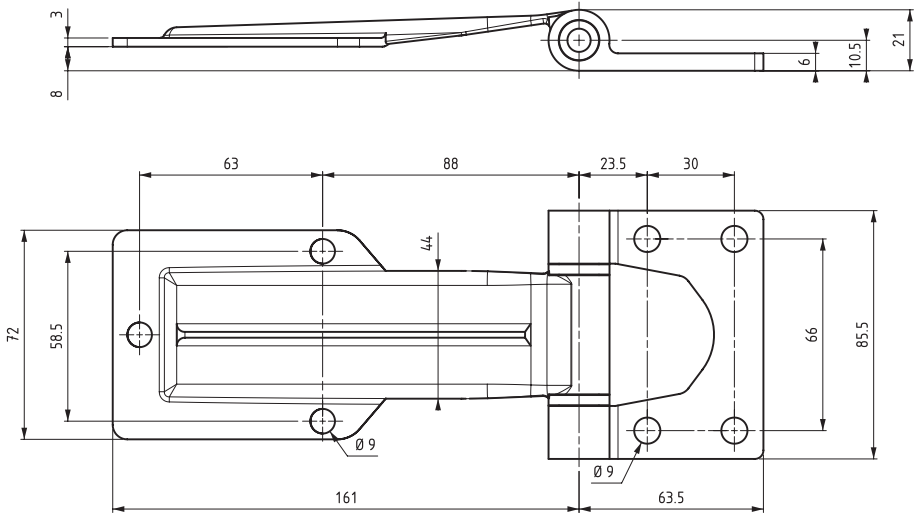
a)

MATERIAL AND 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 270°
- Provided as zinc plated or black-powder coated
- Suitable for left- and right-hand applications

APPLICATIONS
Trailers, refrigerated truck carriers

MATERIAL
Frame part: Steel
Door part: Steel



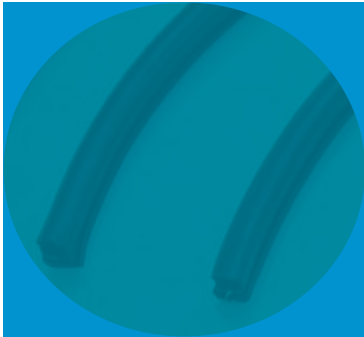
b)

MATERIAL AND FINISH	PRODUCT CODE
Steel – zinc plated	340.0.8023
Steel – black coated	340.0.8029



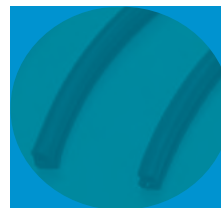


GASKETS



GASKETS

PRODUCT NAME
ADHESIVE GASKET
EDGE PROTECTION
SIDE BUBBLE GASKET
TOP BUBBLE GASKET
FIN GASKET
S GASKET
GLAZING GASKET
EDGE GASKET



ESSENTRA

PAGE

364 - 365

364

366 - 368, 377 - 378

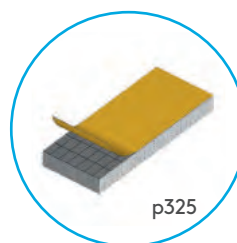
369 - 371, 378

371 - 372

372, 380

373

374 - 376



p325



p326



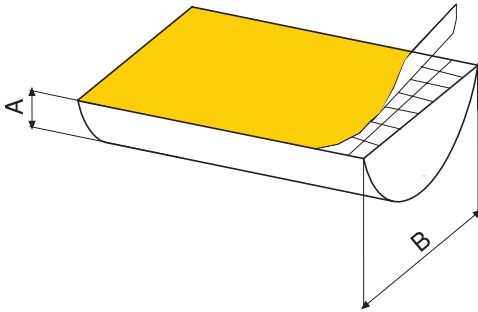
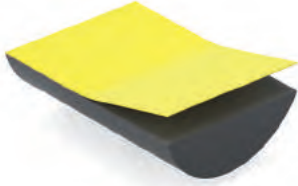
p329



p333

ADHESIVE TYPE GASKET

1300



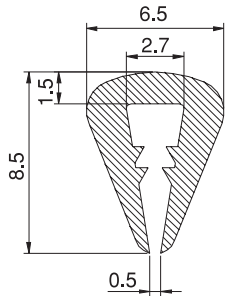
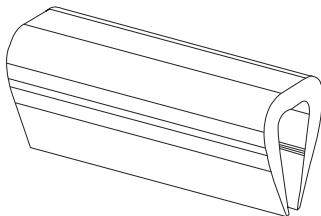
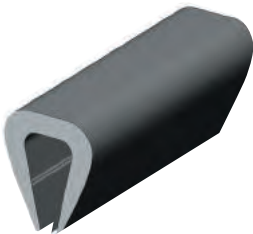
- Provides heat, sound, isolation; suitable for ingress protection
- 10-year life cycle
- Easy application with adhesive band

MATERIAL
Polyurethane

A MM	B MM	PRODUCT CODE	STANDARD ROLL LENGTH
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

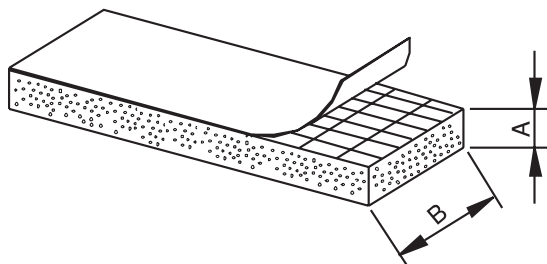
 Please contact Essentra for different sizes

EDGE PROTECTION

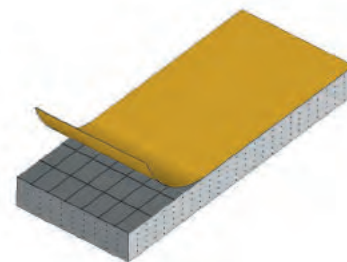


MATERIAL
PVC

SPECIFICATIONS	PRODUCT CODE
1.5 mm thickness panel	1010
1.5 mm thickness panel	1011
1.0 mm thickness panel	1012



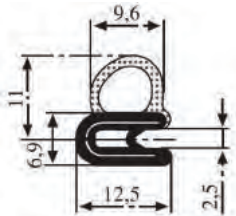
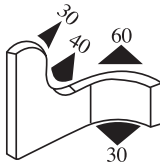
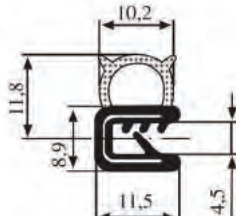
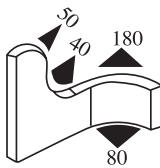
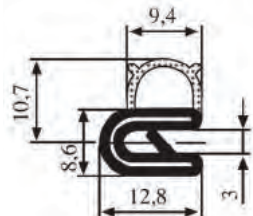
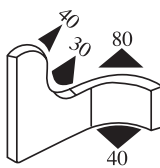
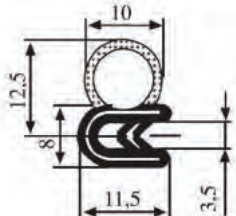
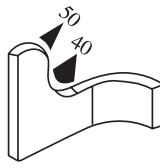
ADHESIVE TYPE GASKET

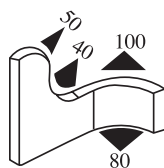
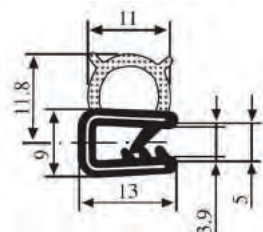


MATERIAL

Polyethylene or EPDM Rubber

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

	340.09.001   Grip range: 1.0-2.0 mm <table><tr><td>Material:</td><td>EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>100</td></tr></table>	Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
Material:	EPDM	Colour:	BLACK	Packing (mt.):	100		
	340.09.002 UL 94 -V0 340.09.002.003   Grip range: 1.0-3.0 mm <table><tr><td>Material:</td><td>EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>100</td></tr></table>	Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
Material:	EPDM	Colour:	BLACK	Packing (mt.):	100		
	340.09.003   Grip range: 1.0-2.5 mm <table><tr><td>Material:</td><td>EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>100</td></tr></table>	Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
Material:	EPDM	Colour:	BLACK	Packing (mt.):	100		
	340.09.004   Grip range: 1.0-2.0 mm <table><tr><td>Material:</td><td>EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>100</td></tr></table>	Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
Material:	EPDM	Colour:	BLACK	Packing (mt.):	100		



340.09.006

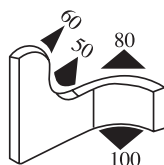
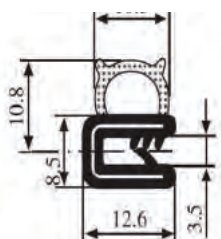
Grip range:
1.0-3.0 mm

UL 94 -V0

340.09.006.001



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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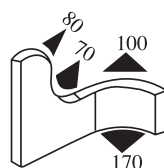
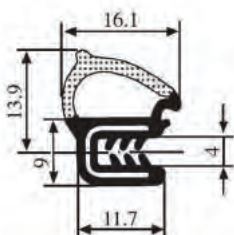


340.09.007

Grip range:
1.0-2.0 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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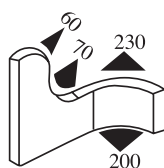
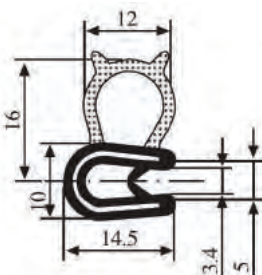


340.09.010

Grip range:
1.5-3.0 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.014

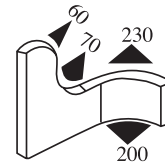
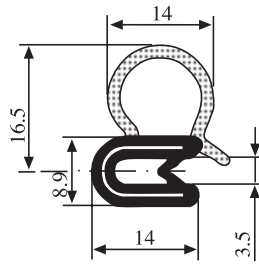
Grip range:
1.0-3.0 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.017

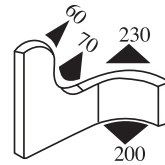
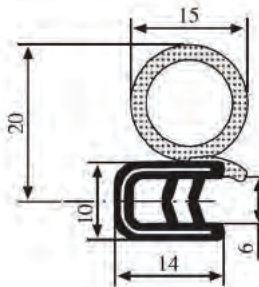


Grip range:
1.0-3.0 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.019

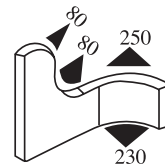
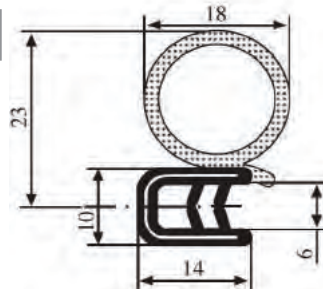


Grip range:
1.0-4.0 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.021

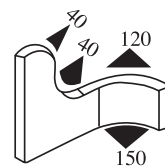
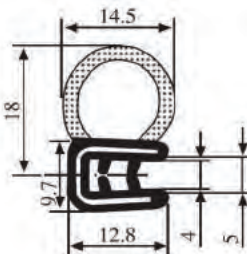


Grip range:
1.0-4.0 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	40
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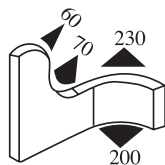
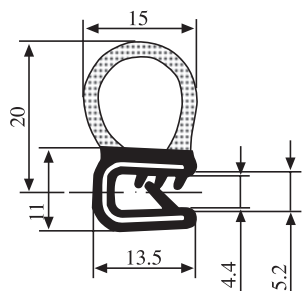


340.09.029



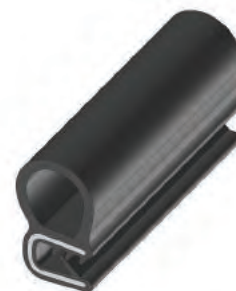
Grip range:
1.5-3.5 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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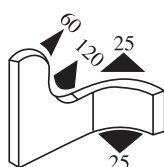
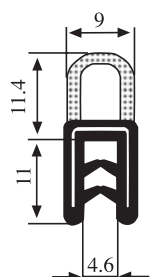


Grip range:
1.5-3.5 mm

340.09.030



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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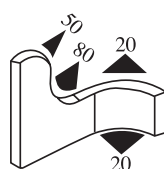
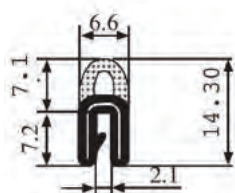


Grip range:
1.0-3.0 mm

340.09.101



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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Grip range:
1.0-2.0 mm

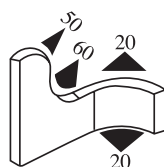
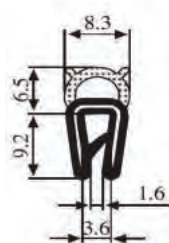
340.09.102

UL 94 -V0

340.09.102.001



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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Grip range:
1.0-2.0 mm

340.09.103

UL 94 -V0

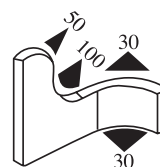
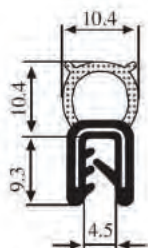
340.09.103.002



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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340.09.104

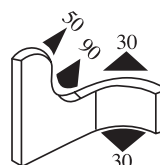
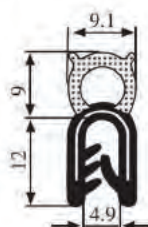


Grip range:
1.0-3.0 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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340.09.105

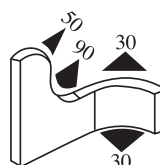
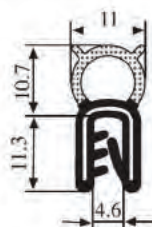


Grip range:
1.0-3.5 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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340.09.107

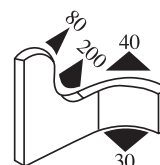
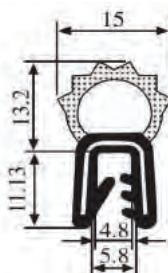


Grip range:
1.0-3.5 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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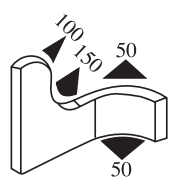
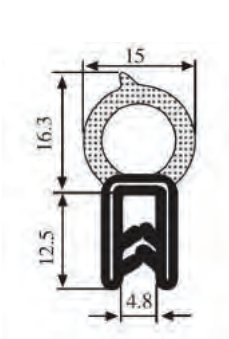


340.09.109



Grip range:
1.0-3.5 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	75
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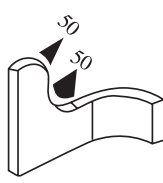
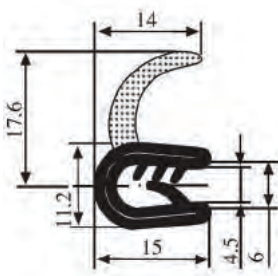


340.09.124

Grip range:
1.0-3.5 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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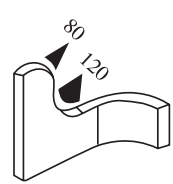
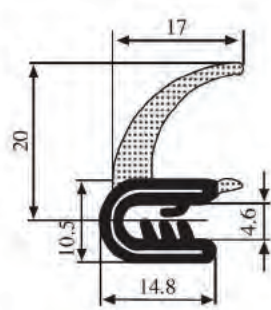


340.09.202

Grip range:
2.0-4.0 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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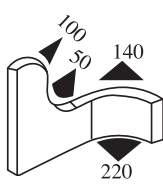
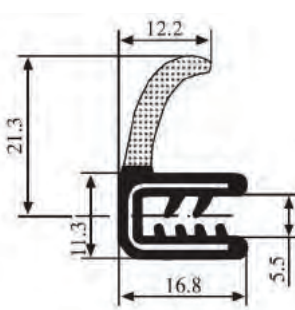


340.09.203

Grip range:
1.0-3.5 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.205

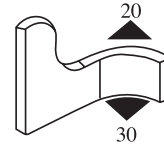
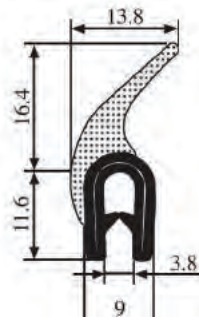
Grip range:
2.0-4.0 mm



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.206

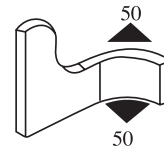


Grip range:
2.0-4.0 mm

Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.210

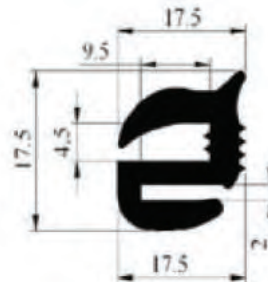


Grip range:
1.5-3.0 mm

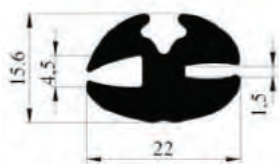
Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.419



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.383

Packing (mt.): 200

340.09.380



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.383

Packing (mt.): 200

340.09.381



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.611

Packing (mt.): 100

340.09.385



Material:	EPDM	Colour:	BLACK	Packing (mt.):	50
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340.09.384

Packing (mt.): 200

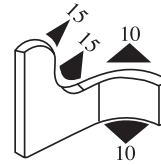
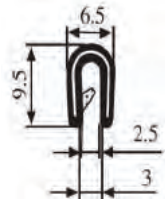
340.09.382



Material:	EPDM	Colour:	BLACK	Packing (mt.):	100
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340.09.502

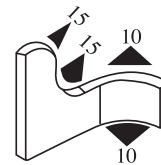
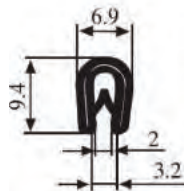


Grip range:
1.0-2.0 mm

Material:	PVC	Colour:	BLACK	Packing (mt.):	200
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340.09.504

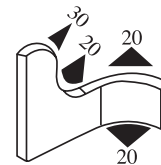
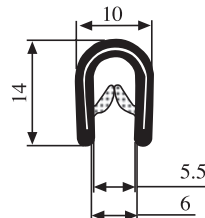


Grip range:
1.0-2.0 mm

Material:	PVC	Colour:	BLACK	Packing (mt.):	200
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340.09.516

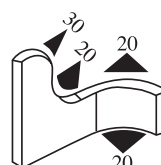
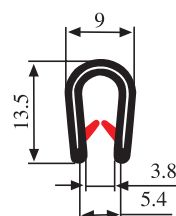


Grip range:
1.0-4.0 mm

Material:	PVC	Colour:	BLACK	Packing (mt.):	150
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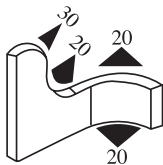
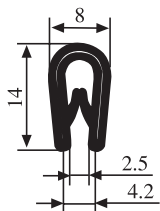


340.09.517



Grip range:
1.0-3.5 mm

Material:	PVC	Colour:	BLACK-RED	Packing (mt.):	150
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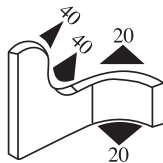
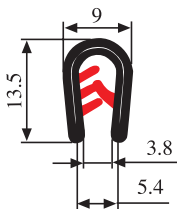


340.09.522

Grip range:
1.0-3.0 mm



Material:	PVC	Colour:	BLACK	Packing (mt.):	150
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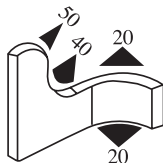
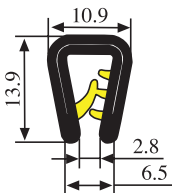


340.09.523

Grip range:
1.5-4.0 mm



Material:	PVC	Colour:	BLACK - RED	Packing (mt.):	150
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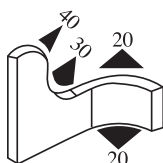
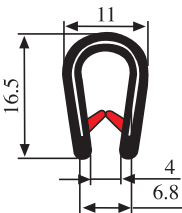


340.09.527

Grip range:
1.5-5.0 mm



Material:	PVC	Colour:	BLACK - YELLOW	Packing (mt.):	150
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340.09.530

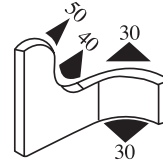
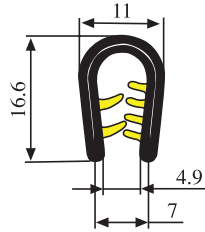
Grip range:
2.0-4.0 mm



Material:	PVC	Colour:	BLACK - RED	Packing (mt.):	100
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340.09.538



Grip range:
1.0-4.0 mm

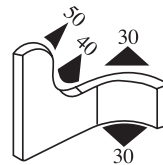
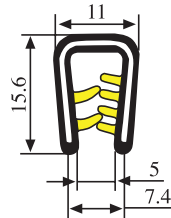
Material: EPDM

Color: BLACK-YELLOW

Packing (mt.): 100



340.09.540



Grip range:
1.5-4.5 mm

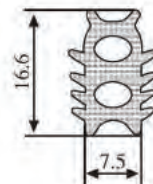
Material: EPDM

Colour: BLACK-YELLOW

Packing (mt.): 100



340.09.678



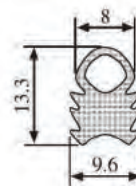
Material: EPDM

Colour: BLACK

Packing (mt.): 100



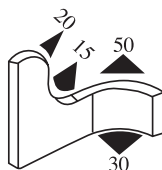
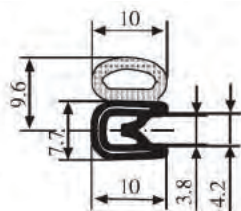
340.09.679



Material: EPDM

Colour: BLACK

Packing (mt.): 100

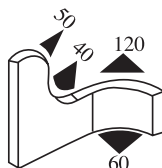
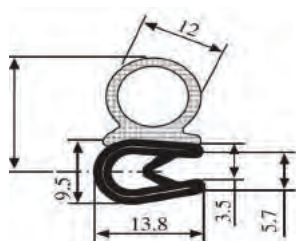


340.09.701

Grip range:
1.0-2.0 mm



Material: PVC/EPDM Colour: BLACK Packing (mt.): 2x50=100

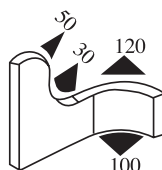
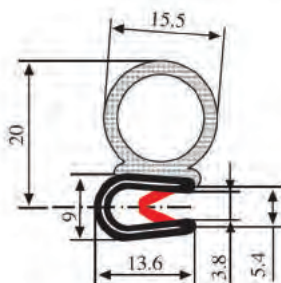


340.09.705

Grip range:
1.0-3.5 mm



Material: PVC/EPDM Color: BLACK Packing (mt.): 50

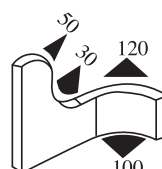
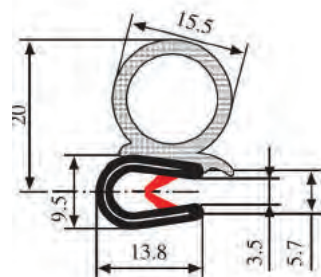


340.09.707

Grip range:
1.0-3.5 mm



Material: PVC/EPDM Color: BLACK-RED Packing (mt.): 50



340.09.712

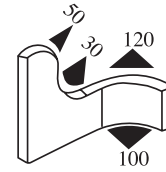
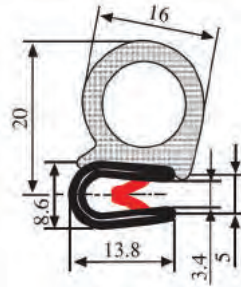
Grip range:
1.0-3.5 mm



Material: PVC/EPDM Color: BLACK-RED Packing (mt.): 50



340.09.716

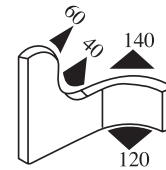
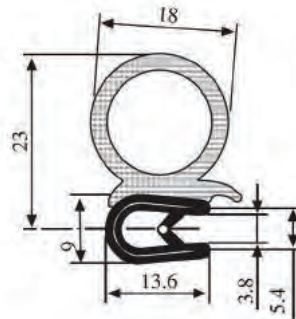


Grip range:
1.0-4.0 mm

Material:	PVC/EPDM	Colour:	BLACK-RED	Packing (mt.):	50
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340.09.719

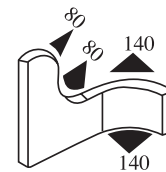
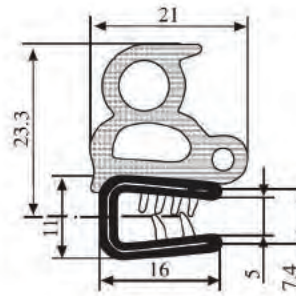


Grip range:
1.0-3.5 mm

Material:	PVC/EPDM	Colour:	BLACK-RED	Packing (mt.):	50
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340.09.729

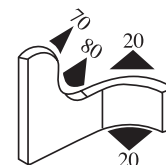
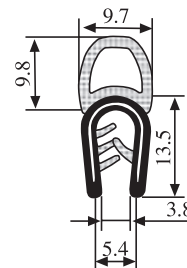


Grip range:
2.0-4.0 mm

Material:	PVC/EPDM	Colour:	BLACK-WHITE	Packing (mt.):	50
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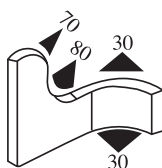
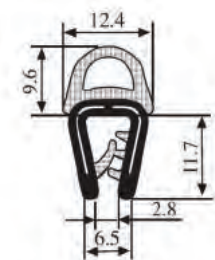


340.09.802



Grip range:
1.5-4.0 mm

Material:	PVC/EPDM	Colour:	BLACK-YELLOW	Packing (mt.):	100
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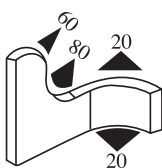
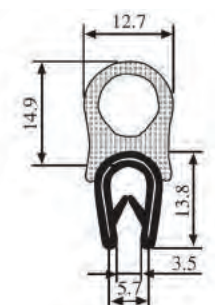


340.09.804

Grip range:
1.5-5.0 mm



Material:	PVC / EPDM	Colour:	BLACK-YELLOW	Packing (mt.):	50
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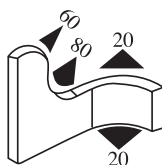
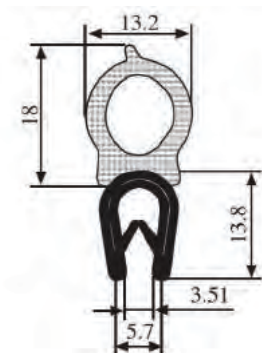


340.09.805

Grip range:
1.0-4.0 mm



Material:	PVC / EPDM	Colour:	BLACK	Packing (mt.):	50
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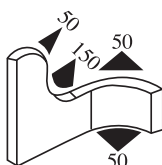
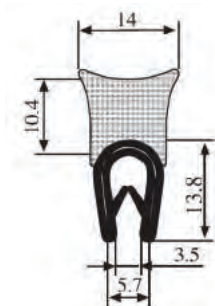


340.09.806

Grip range:
1.0-4.0 mm

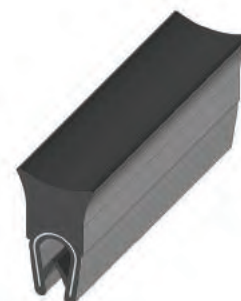


Material:	PVC / EPDM	Colour:	BLACK	Packing (mt.):	50
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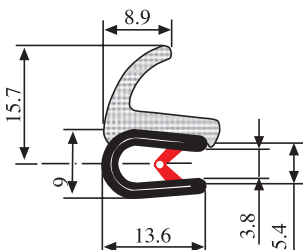
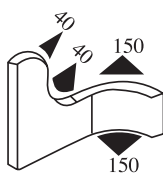
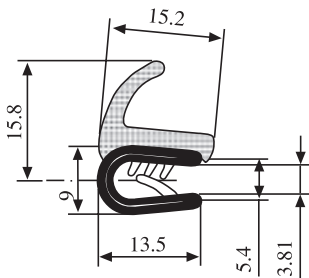
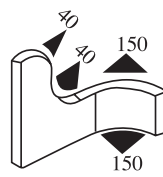
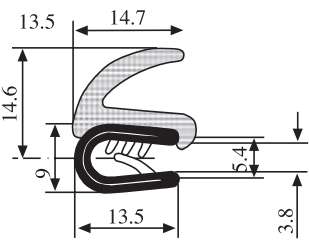
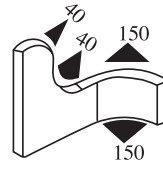


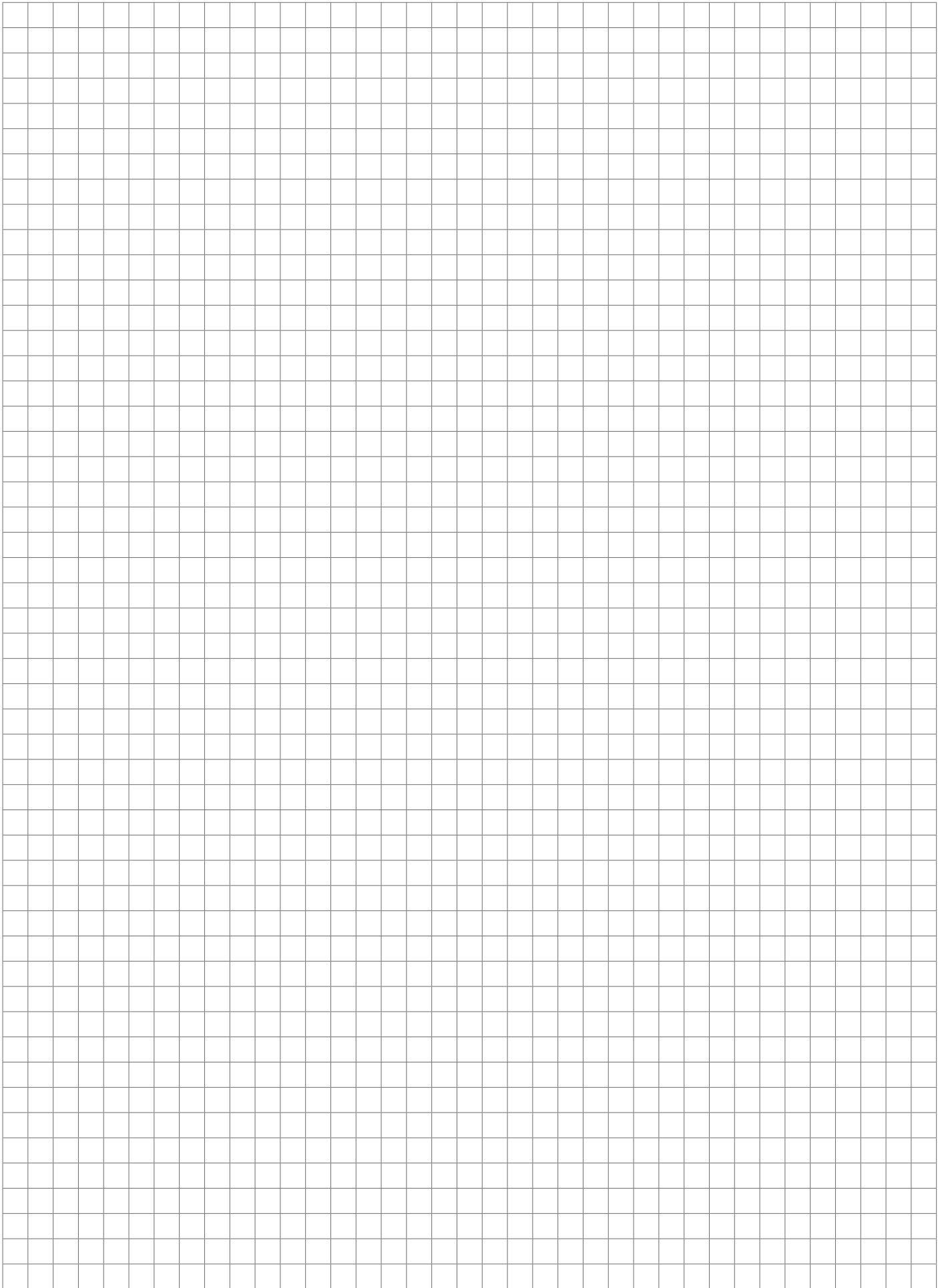
340.09.810

Grip range:
1.0-4.0 mm



Material:	PVC / EPDM	Colour:	BLACK	Packing (mt.):	50
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	340.09.901   Grip range: 1.0-3.5 mm <table><tr><td>Material:</td><td>PVC/EPDM</td><td>Colour:</td><td>BLACK-RED</td><td>Packing (mt.):</td><td>50</td></tr></table>	Material:	PVC/EPDM	Colour:	BLACK-RED	Packing (mt.):	50
Material:	PVC/EPDM	Colour:	BLACK-RED	Packing (mt.):	50		
	340.09.902   Grip range: 1.5-4.0 mm <table><tr><td>Material:</td><td>PVC/EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>50</td></tr></table>	Material:	PVC/EPDM	Colour:	BLACK	Packing (mt.):	50
Material:	PVC/EPDM	Colour:	BLACK	Packing (mt.):	50		
	340.09.904   Grip range: 1.5-4.0 mm <table><tr><td>Material:</td><td>PVC/EPDM</td><td>Colour:</td><td>BLACK</td><td>Packing (mt.):</td><td>50</td></tr></table>	Material:	PVC/EPDM	Colour:	BLACK	Packing (mt.):	50
Material:	PVC/EPDM	Colour:	BLACK	Packing (mt.):	50		





HANDLES



HANDLES

GROUP CODE	PRODUCT NAME	
084	MILLENIUM HANDLE	
085	DRAWER HANDLE	
184	DRAWER HANDLE	
286	COVER HANDLE	
086	COVER HANDLE	
186	COVER HANDLE	
287	COVER HANDLE	
087	COVER HANDLE	
187	COVER HANDLE	
387	COVER HANDLE	
274	COVER PULL (SNAP-IN)	
074	COVER PULL (SNAP-IN)	
174	COVER PULL (SNAP-IN)	



ESSENTRA

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HANDLES

MILLENIUM HANDLE

084

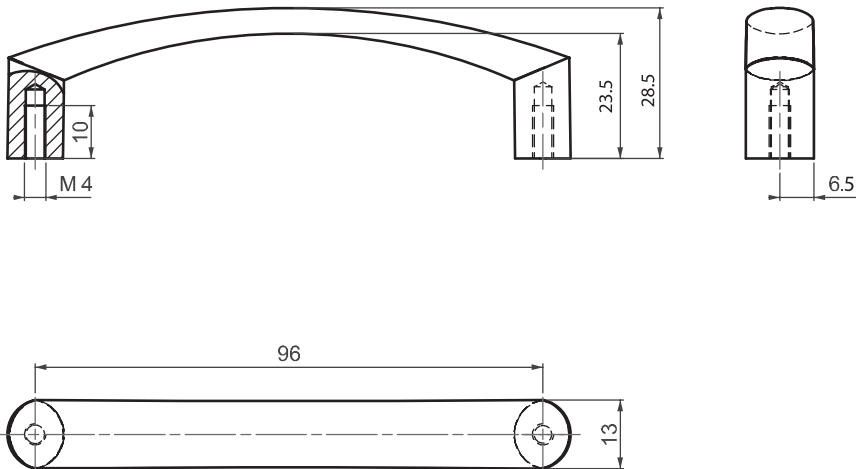


- Stylish handle for wooden furniture

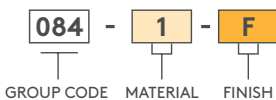
APPLICATIONS
Wooden and metal furniture

MATERIAL
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH
Chrome or black coated



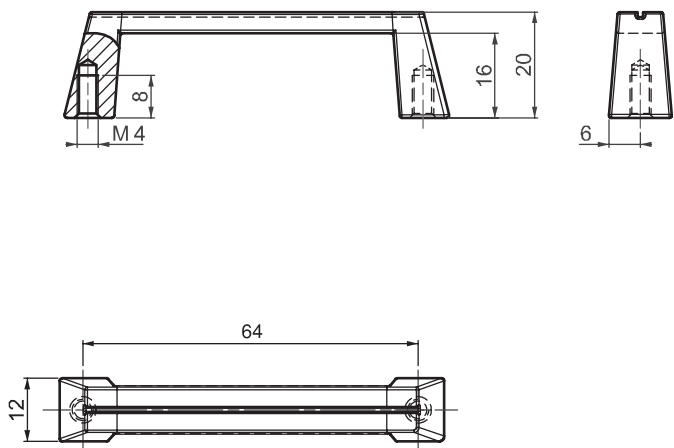
PRODUCT CODE



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

085

DRAWER HANDLE



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

APPLICATIONS

Wooden - metal furniture and rack cabinets

MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome or black coated

PRODUCT CODE

085 - 1 - F

GROUP CODE MATERIAL FINISH

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

DRAWER HANDLE

184



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

APPLICATIONS

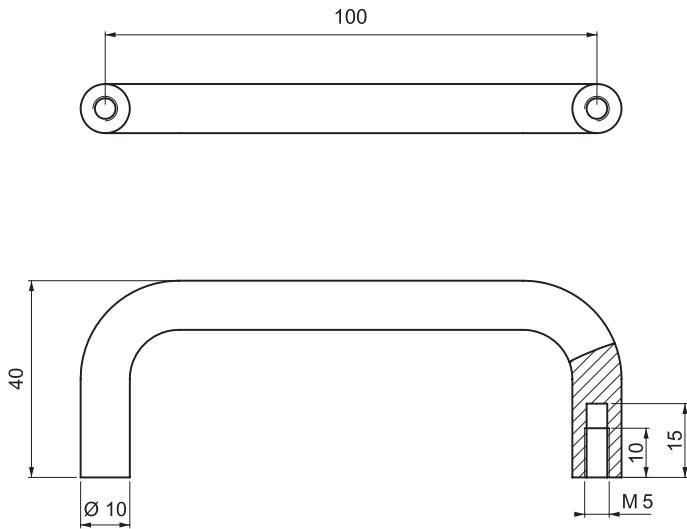
Wooden - metal furniture and rack cabinets

MATERIAL

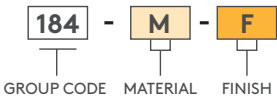
Steel, stainless steel or aluminium

FINISH

Chrome or matte anodized



PRODUCT CODE

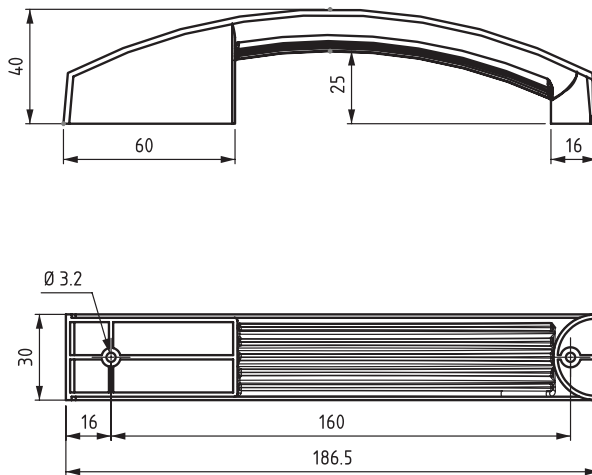


MATERIAL	M	FINISH	F
Steel	6	Chrome	1
Aluminium	5	Matt anodized	7
Stainless Steel	4	No finish	0



286

COVER HANDLE



- Stylish
- Internal fixing with two screws

APPLICATIONS

Machinery covers

MATERIALPolyamide DIN-EN ISO 1043-1
PA 6 GFR 30

COVER HANDLE

086



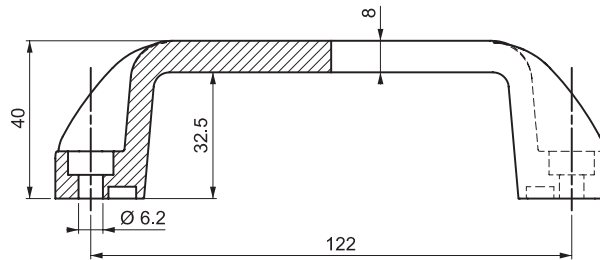
- Two different fixing types

APPLICATIONS

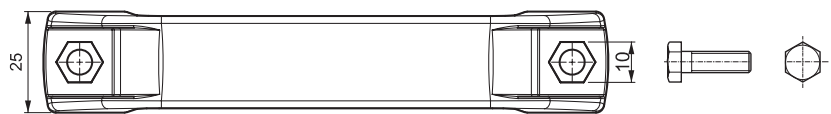
Machinery covers

MATERIAL

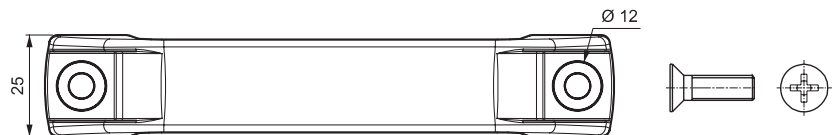
Polyamide DIN-EN ISO 1043-1
PA 6 GFR 30



V : 1



V : 2



PRODUCT CODE

086 - V

GROUP CODE VERSION

186

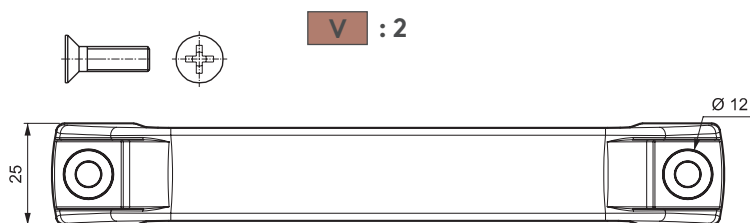
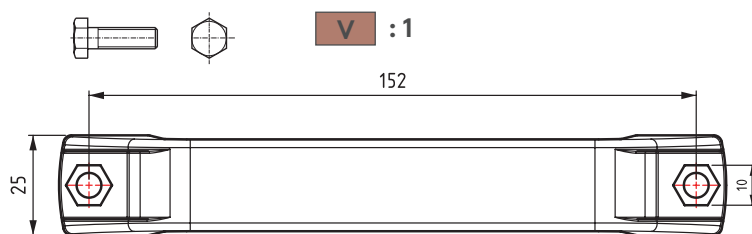
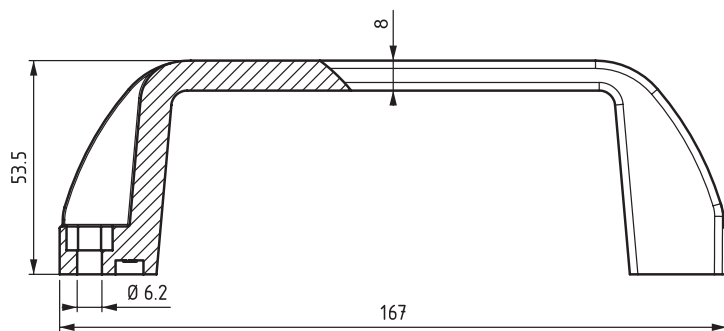
COVER HANDLE



- Two different fixing types

APPLICATIONS
Machinery covers

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



PRODUCT CODE

186 - V
GROUP CODE VERSION

COVER HANDLE

287



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

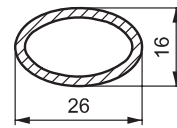
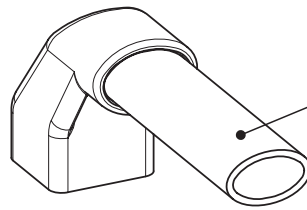
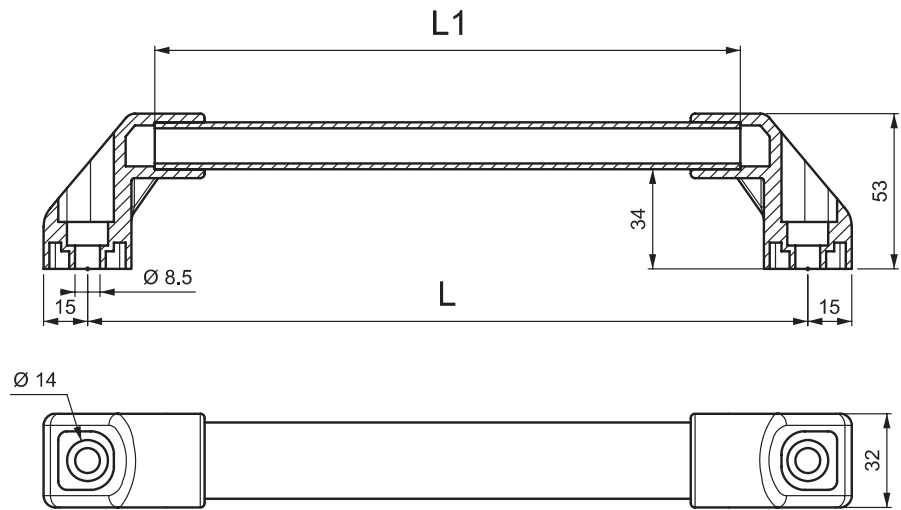
APPLICATIONS

Machinery covers

MATERIAL

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

HANDLE: Aluminium



L1 mm	L mm
154	200
254	300
354	400
454	500

PRODUCT CODE

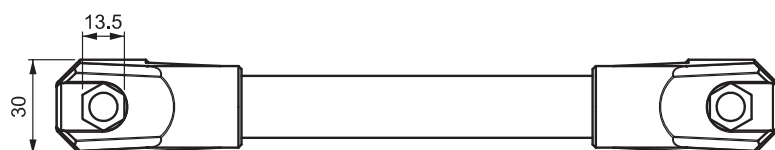
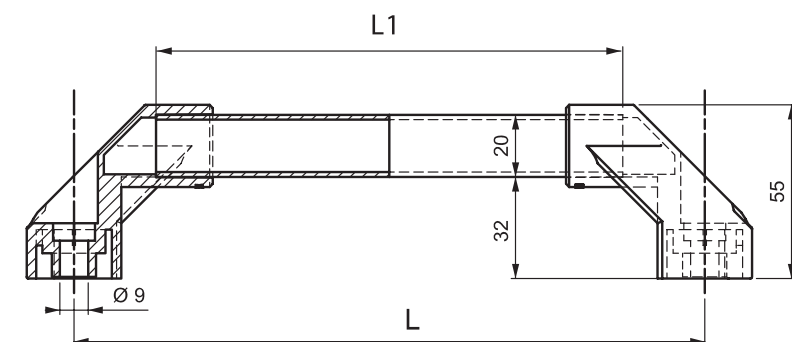
287 - L

GROUP CODE LENGTH



087

COVER HANDLE



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

APPLICATIONS
Machinery covers

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

L1 mm	L mm
148	200
248	300
348	400
448	500

350.02.002

SIDE PART



PRODUCT CODE

087 - L
GROUP CODE LENGTH

 HANDLES

COVER HANDLE

187



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

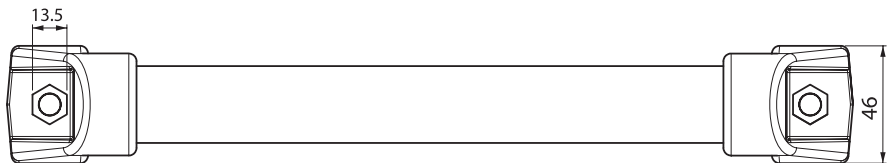
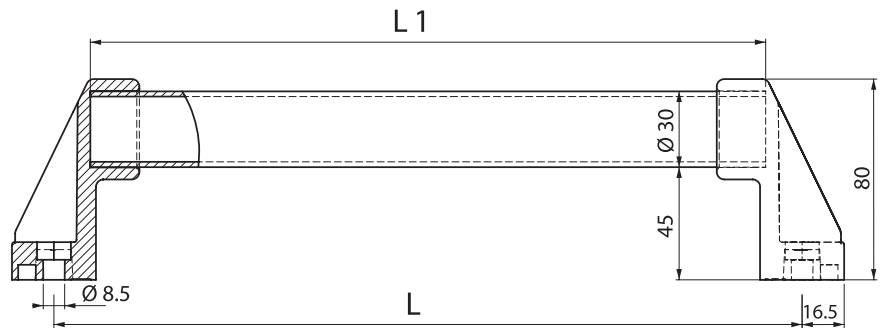
APPLICATIONS

Machinery covers

MATERIAL

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

HANDLE: Plastic coated steel



L1 mm	L mm
269	300
369	400
469	500
569	600
669	700
769	800
969	900



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

MIDDLE HOLDER

340.02.501

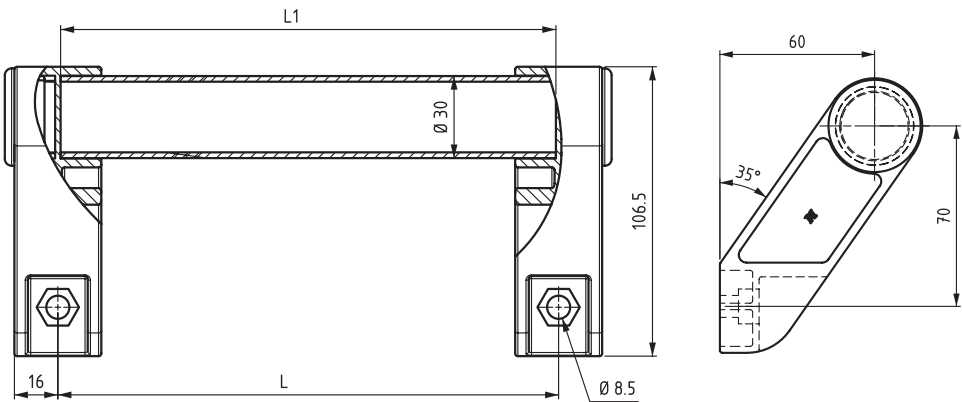


PRODUCT CODE

187 - **L**
GROUP CODE LENGTH

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

APPLICATIONS
Machinery covers

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

L1 mm	L mm
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

350.02.028

MIDDLE HOLDER



PRODUCT CODE

387 - L
GROUP CODE LENGTH

COVER PULL (SNAP-IN)

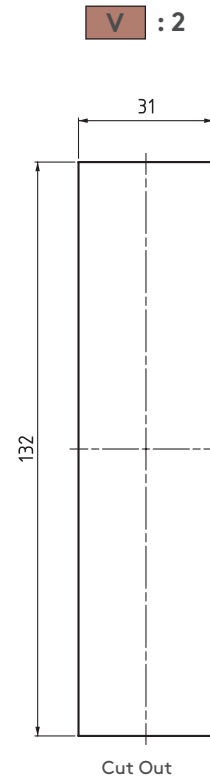
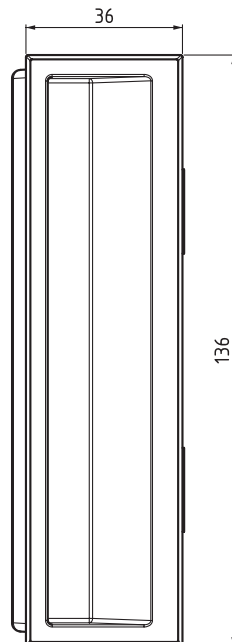
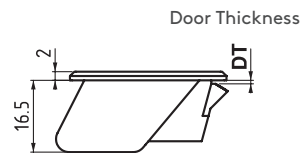
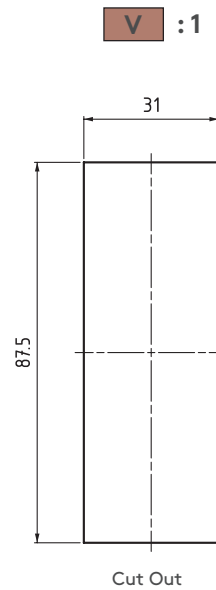
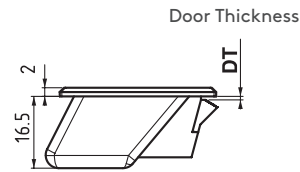
274



- Flush design
- Easy assembly by clips

APPLICATIONS
Machinery covers

MATERIAL
ABS



PRODUCT CODE

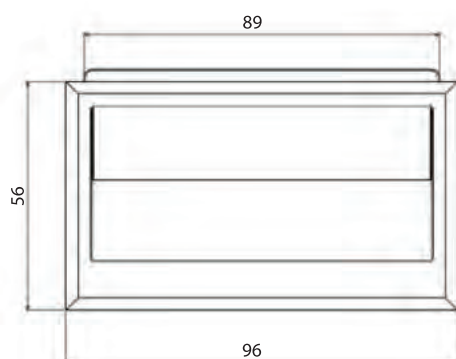
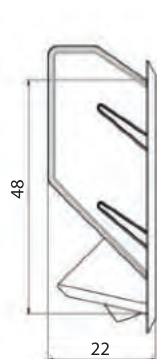
274 - V - DT
GROUP CODE VERSION DOOR THICKNESS

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



074

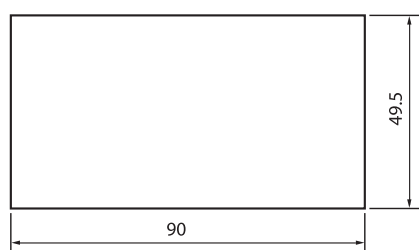
COVER PULL (SNAP-IN)



- For large door
- Easy assembly by clips

APPLICATIONS
Machinery covers

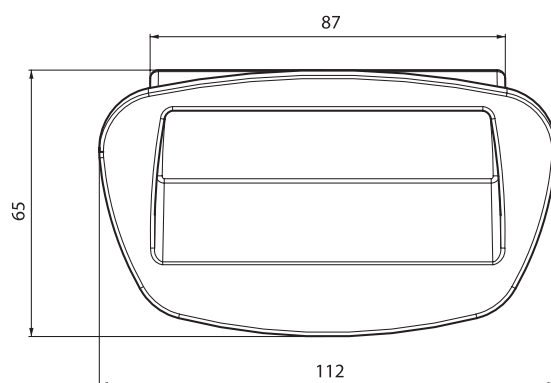
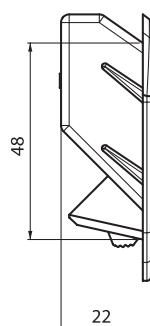
MATERIAL
ABS



Cut Out

174

COVER PULL (SNAP-IN)



- For large doors
- Easy assembly by clips

APPLICATIONS
Machinery covers

MATERIAL
ABS



Cut Out



ACCESSORIES



ACCESSORIES

GROUP CODE	PRODUCT NAME
2220	CIRCULAR INSPECTION WINDOW
2150	DRAWING POCKET (A4)
2152	DRAWING POCKET (A5)
2216	COUNTER SCREEN
2215	COUNTER SCREEN
24XX	EYEBOLT
240X	CAGE NUT
340.00.135	TOGGLE LATCH
340.00.133	TOGGLE LATCH
340.00.131	TOGGLE LATCH
2702	TOGGLE LATCH
2701	TOGGLE LATCH
2700	TOGGLE LATCH
276X	MINI INDEXING PLUNGERS
2750	SPRING LOADED LATCH WITHOUT STUD
2751	SPRING LOADED LATCH WITH STUD
025	GLASS HINGE
320.02.16X	CABLE SHUNTING RINGS
340.02.430	SCREW
279	COVER STAY
079	COVER STAY
179	COVER STAY
340.00.3XX	DIAPHGRAM GROMMETS
340.08.01X	RUBBER STOPPER
340.00.40X	RUBBER PLUG
340.08.001	DOOR HOLDBACK
340.20.0XX	DOOR BOTTOM BRUSHES (Screw type)
340.20.0XX	DOOR BOTTOM BRUSHES (Plug-in type)
340.10.00X	ACOUSTIC SPONGE (Formed type)
340.10.00X	ACOUSTIC SPONGE (Flat type)



ESSENTRA

PAGE

399

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401

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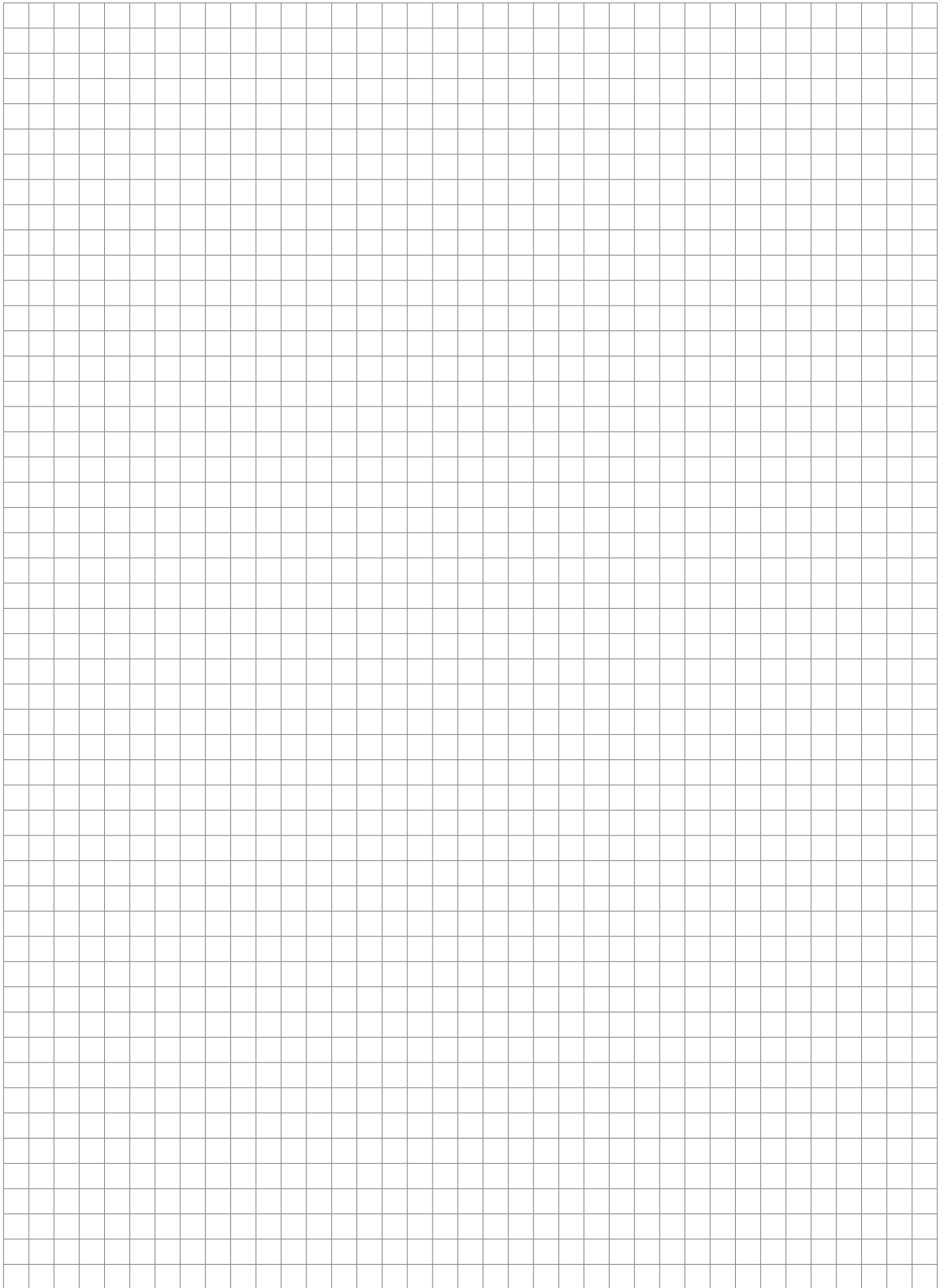
417

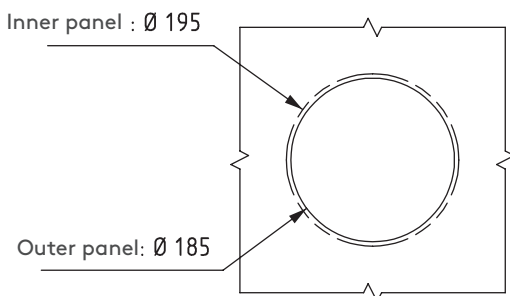
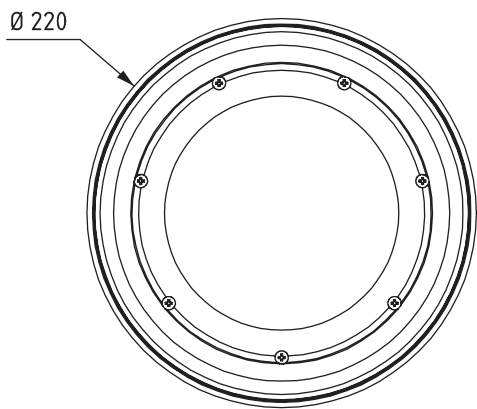
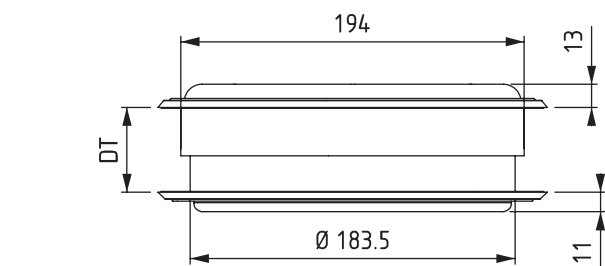
417

418

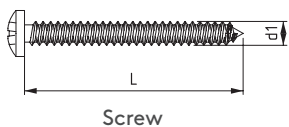
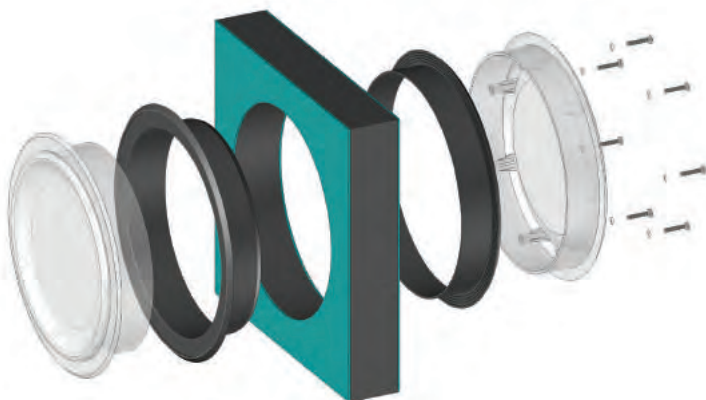
419







Cut out



Screw

2220

New

RoHS

CIRCULAR INSPECTION WINDOW



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

APPLICATIONS

Heating and ventilation enclosures

MATERIAL

WINDOW: Polycarbon
GASKET: Termo rubber

PRODUCT CODE

2220 - DT
GROUP CODE DOOR THICKNESS

DT	D1	L	STOCK CODE
30	4.2	38	306.03.138
40	4.2	45	306.03.304
50	4.2	50	306.03.305
60	4.2	60	306.03.306

DRAWING POCKET (A4)

2150



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

APPLICATIONS

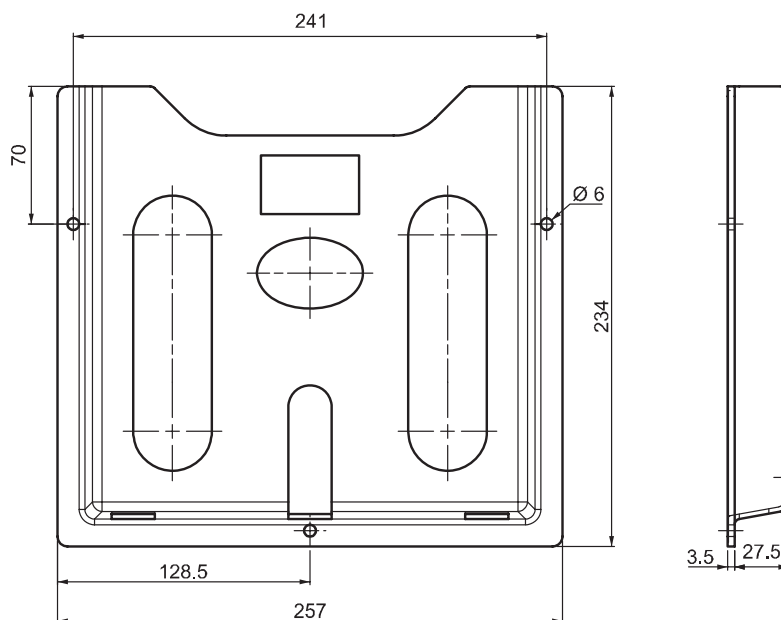
Electric panels, machinery covers

MATERIAL

Polystyrene MFI 3-4

COLOR

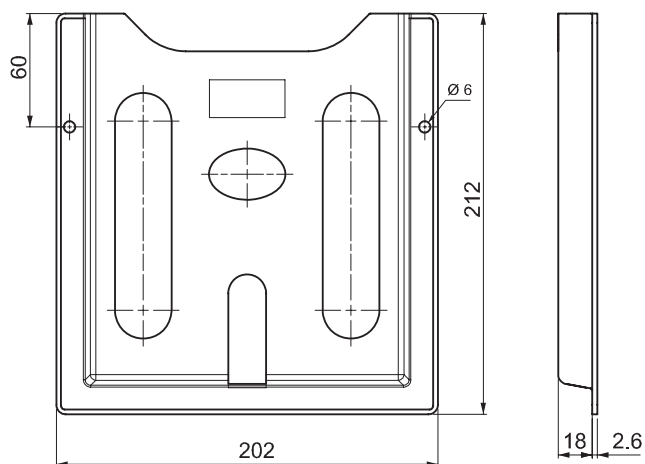
RAL 7035





2152

DRAWING POCKET (A5)



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

APPLICATIONS

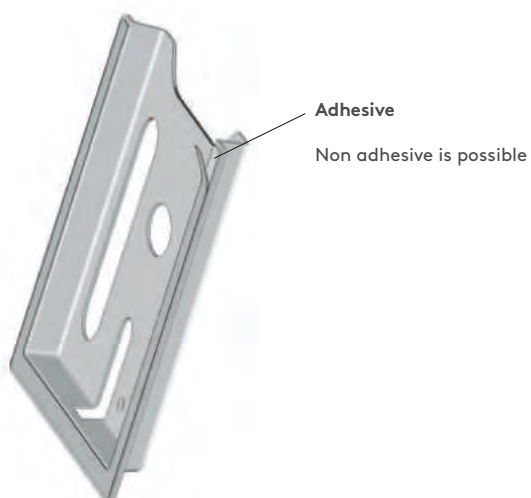
Electric panels, machinery covers

MATERIAL

Polystyrene MFI 3-4

COLOR

RAL 7035



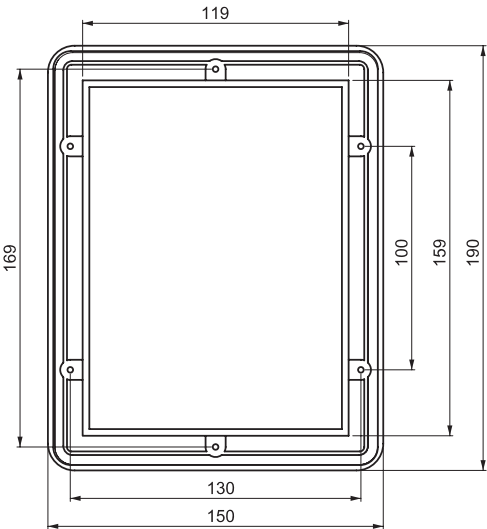


COUNTER SCREEN

2216



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

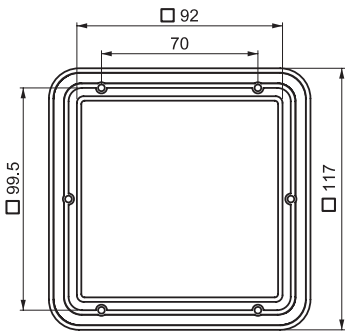


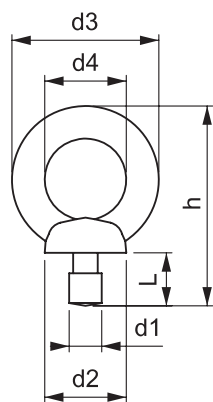
COUNTER SCREEN

2215

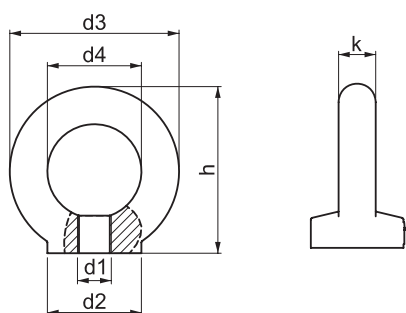


- Allows counters or dials to be viewed from outside enclosure.

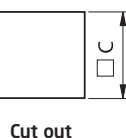
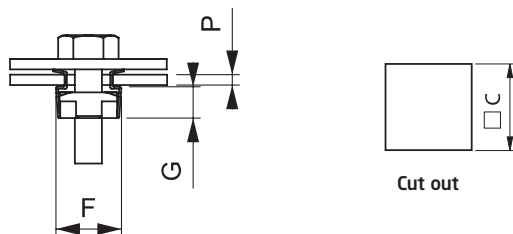




d1	Safety Load (90°)	d2 mm	d3 mm	d4 mm	h mm	L mm	Unit weight	PRODUCT CODE
M8	140	20	36	20	49.0	13.0	0.06	2451
M10	230	25	45	25	63.0	17.0	0.10	2452
M12	340	30	54	30	73.5	20.5	0.18	2453
M14	490	35	63	35	87.0	27.0	0.28	2454
M16	700	35	63	35	89.0	27.0	0.28	2455



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



Screw	Nut	P	G	F	C	PRODUCT CODE
M5	11x11x4.5	1.7 ~ 2.5	6	12,2	6	2400
M6	11x11x4.5	25	6	12,2	9	2401
M8	14x14x5.5	3.3 ~ 4.1	7,8	16,6	12	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

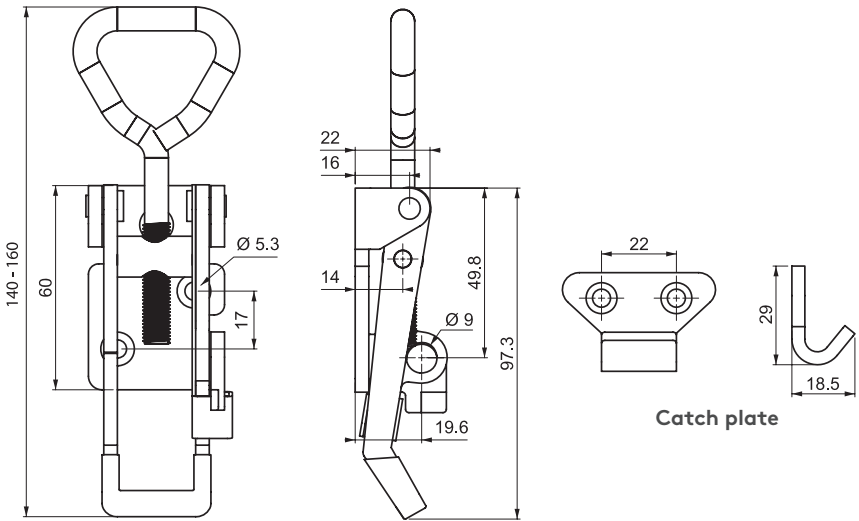
TOGGLE LATCH

340.00.135



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

MATERIAL AND FINISH
Steel - Zinc Plated



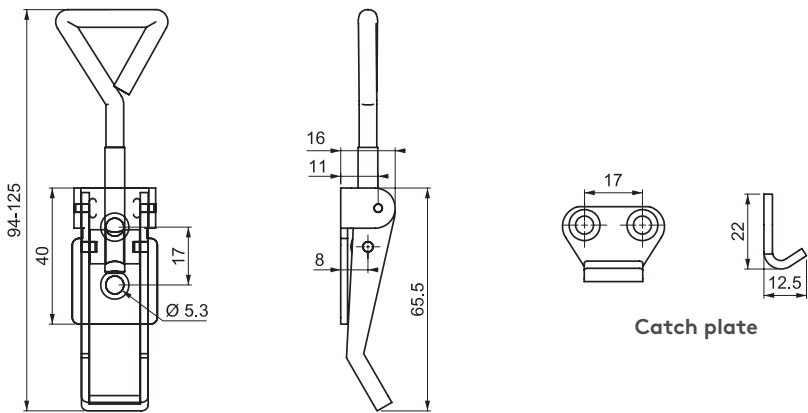
TOGGLE LATCH

340.00.133



- Used for tool boxes, cabinets

MATERIAL AND FINISH
Steel - Zinc Plated



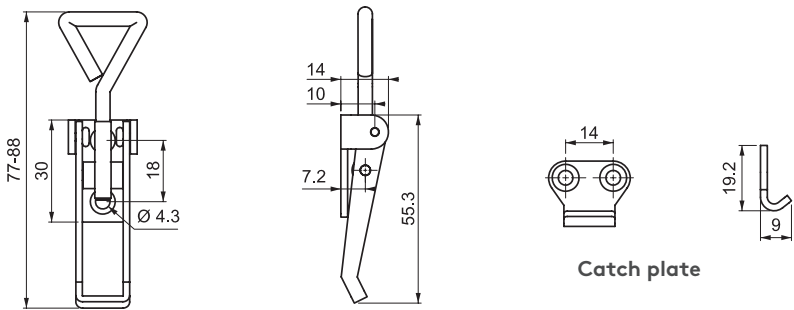
TOGGLE LATCH

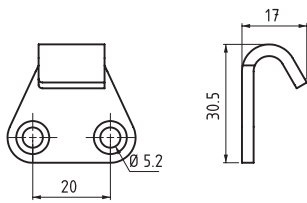
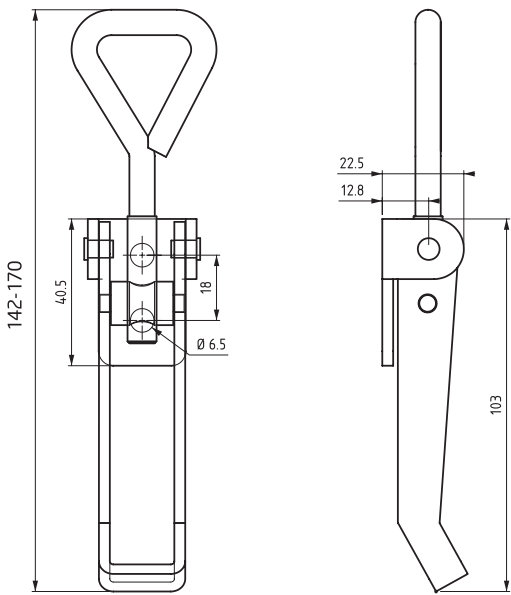
340.00.131



- Used for tool boxes, cabinets

MATERIAL AND FINISH
Steel - Zinc Plated





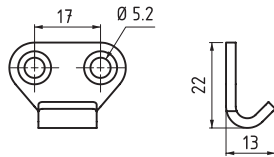
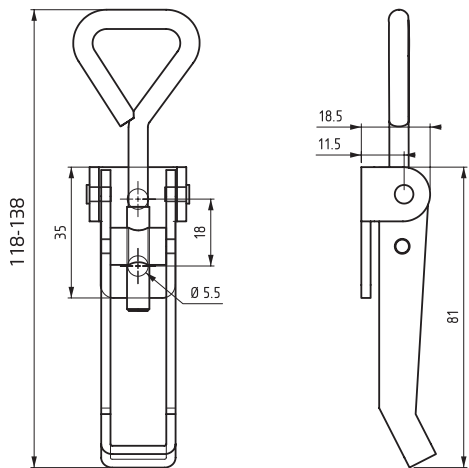
Catch plate

2702

TOGGLE LATCH



MATERIAL AND FINISH
Steel -Zinc Plated



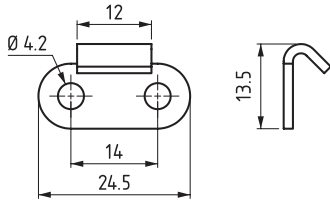
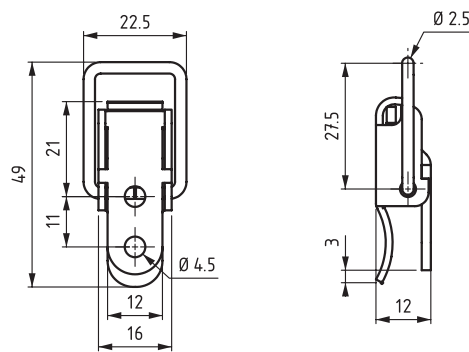
Catch plate

2701

TOGGLE LATCH



MATERIAL AND FINISH
Steel -Zinc Plated



Catch plate

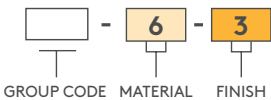
2700

TOGGLE LATCH



MATERIAL AND FINISH
Steel -Zinc Plated

PRODUCT CODE



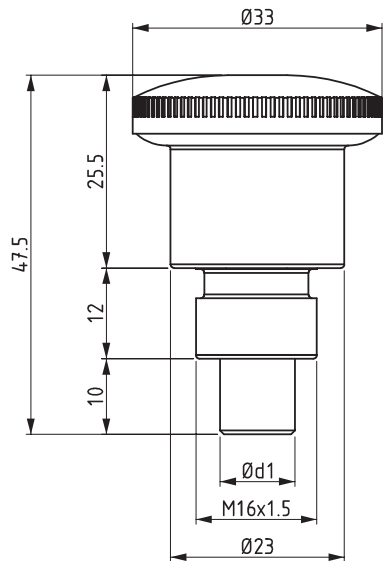


MINI INDEXING PLUNGERS

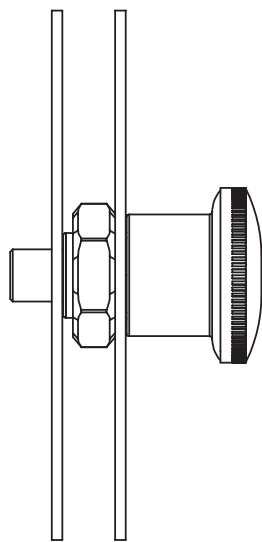


- Suitable for assembly on thin sheets.

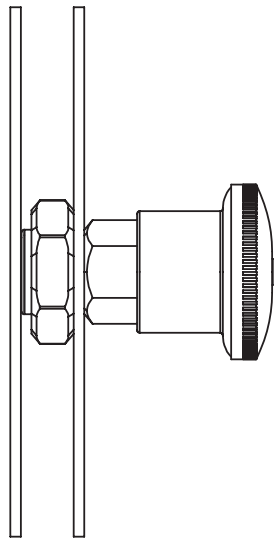
MATERIAL
KNOB : Polyamide DIN EN ISO 1043-1 PA6 GFR 30
BODY : Steel
NUT : Steel
PIN : Stainless Steel
Finish : Zinc Plated



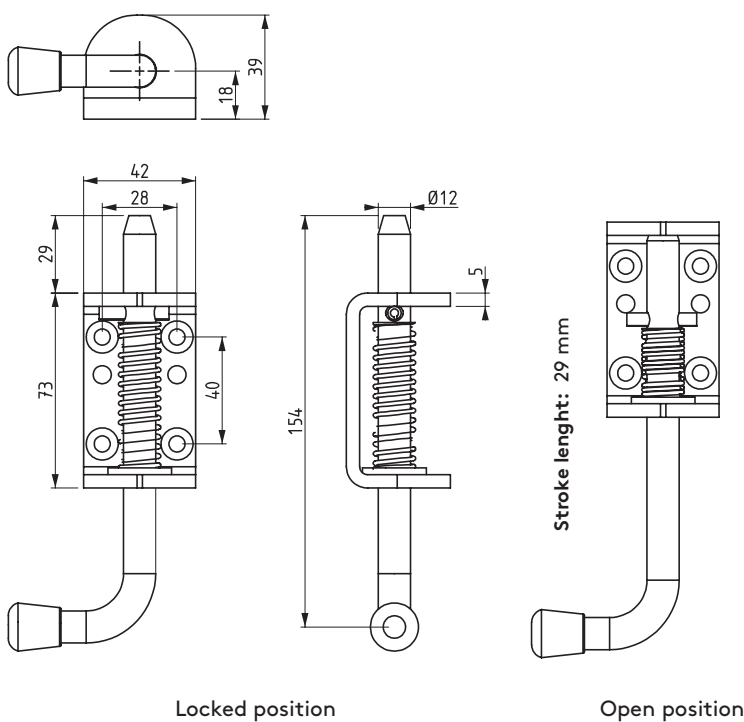
Product code	Ød1	Stroke
2760	10	10
2761	8	8
2762	6	6



Locked position



Open position



2750

New

SPRING LOADED LATCH WITHOUT STUD



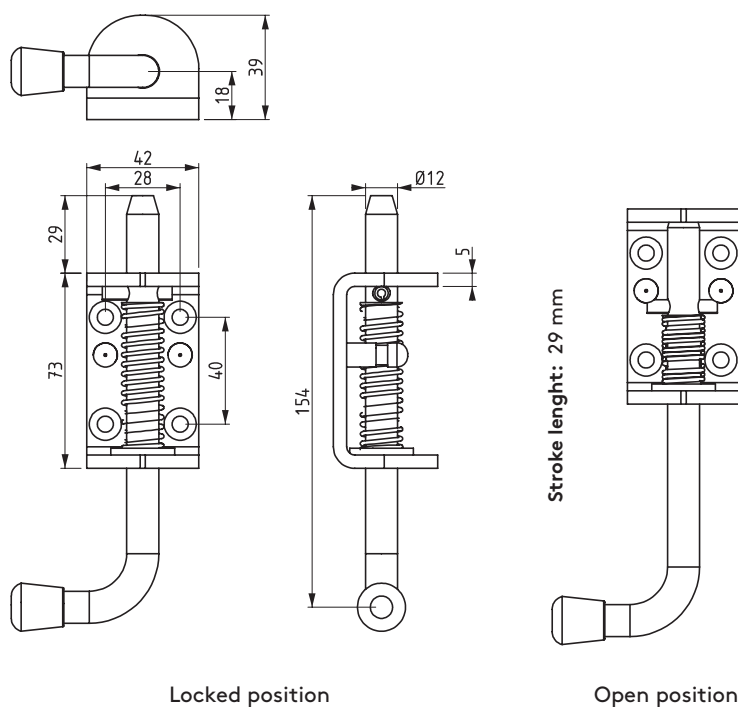
- Versatile galvanized steel latch great for wood or metal application.

APPLICATIONS

Trailer gates and ramps

MATERIAL

Body : Steel
Pin : Steel
Finish : Zinc Plated



2751

New

SPRING LOADED LATCH WITH STUD



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

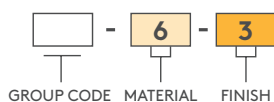
APPLICATIONS

Trailer gates and ramps

MATERIAL

Body : Steel
Pin : Steel
Finish : Zinc Plated

PRODUCT CODE





GLASS HINGE

025



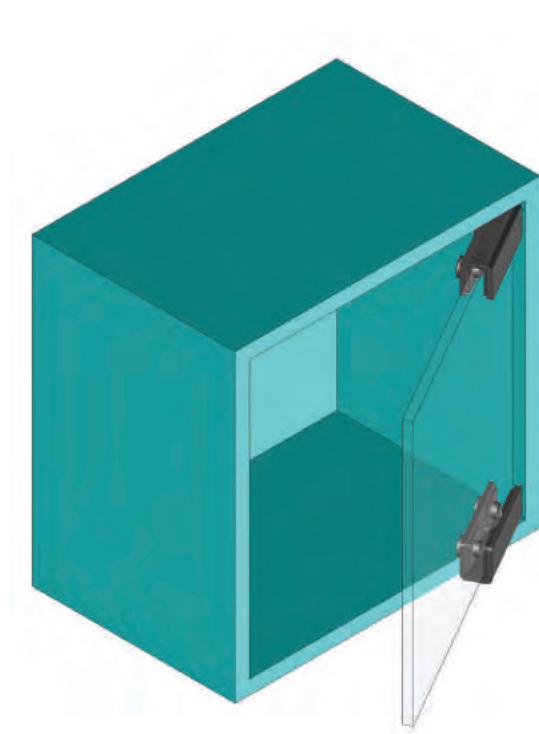
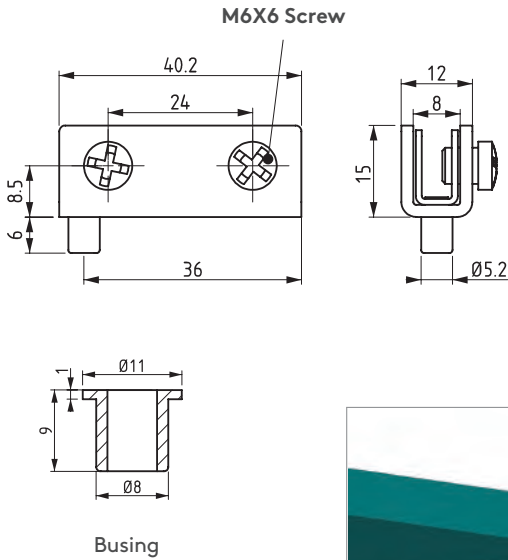
- Suitable for glass thickness max. 6 mm
- The glass is safe from damage between the plastic plates and the steel screw

APPLICATIONS

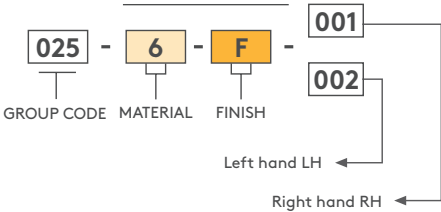
Glass doors

MATERIAL

Body : Steel
Screw : Steel
Busing : Delrin



PRODUCT CODE



FINISH	F
Nickel	4
Black coated	2



CABLE SHUNTING RING



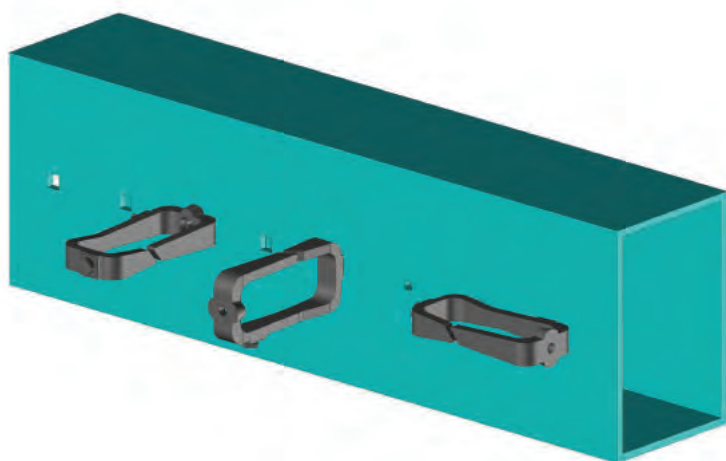
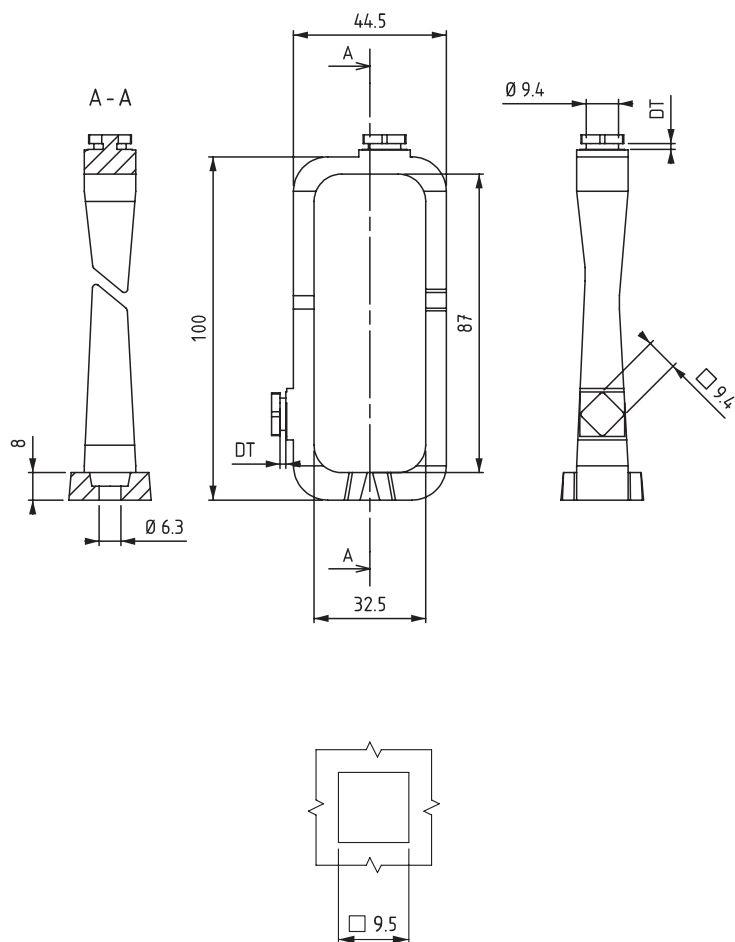
- Quick fixing in a square hole by turning 45 degrees
- Mounting by M6 Screw as an option
- Install horizontally or vertically

APPLICATIONS

Cable management inside the enclosures

MATERIAL

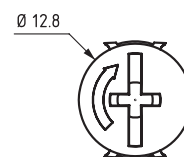
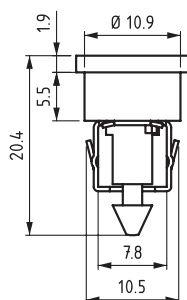
PA 6 Black



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

SCREW

340.02.430



- Provides easy fixing with quarter turn

APPLICATIONS

Electric panels

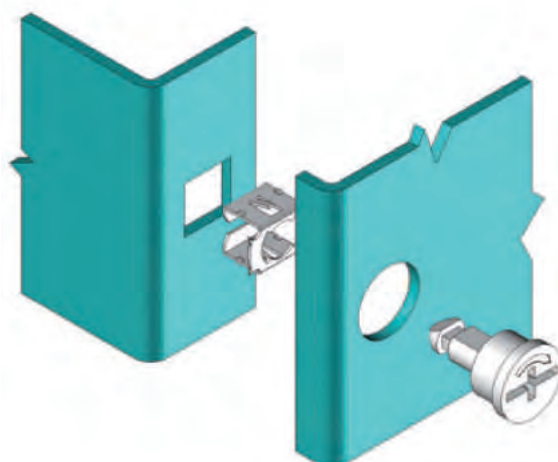
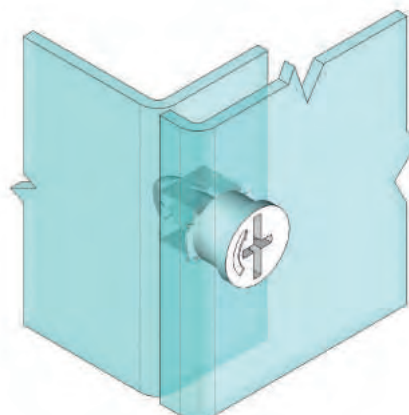
MATERIAL

SCREW: Zamak DIN-EN
1774-ZnAl4Cu1I

CATCH PLATE : Steel

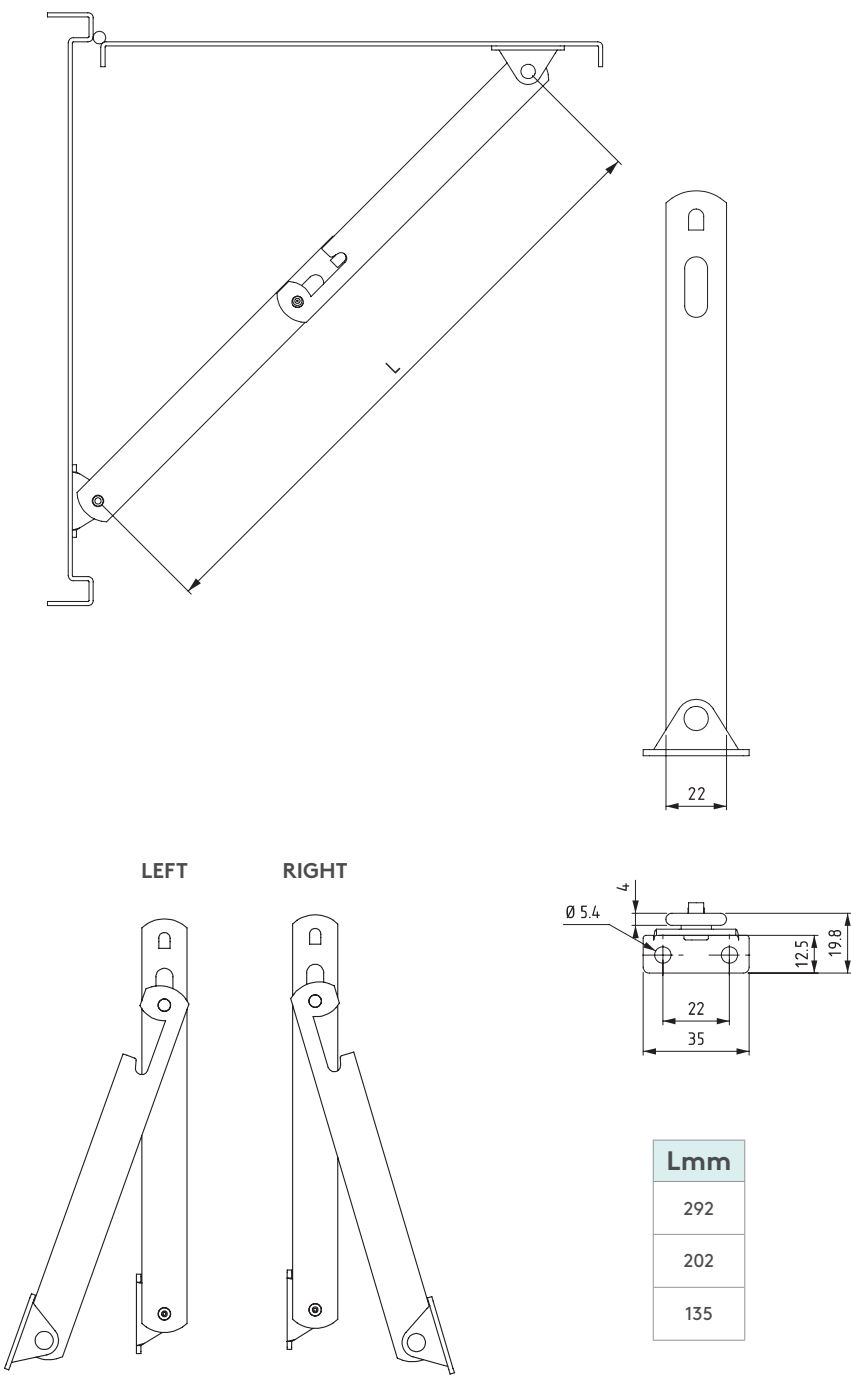
FINISH

Zinc plated



279

COVER STAY



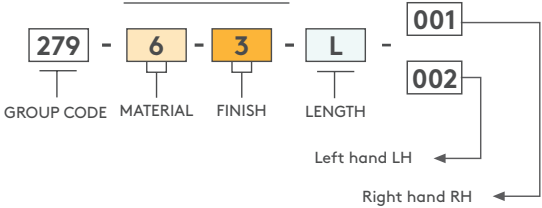
- Stainless steel version: page 479
- Suitable for heavy-duty applications
- Manufactured using 4 mm thick steel

MATERIAL
Steel

FINISH
Zinc plated

Lmm
292
202
135

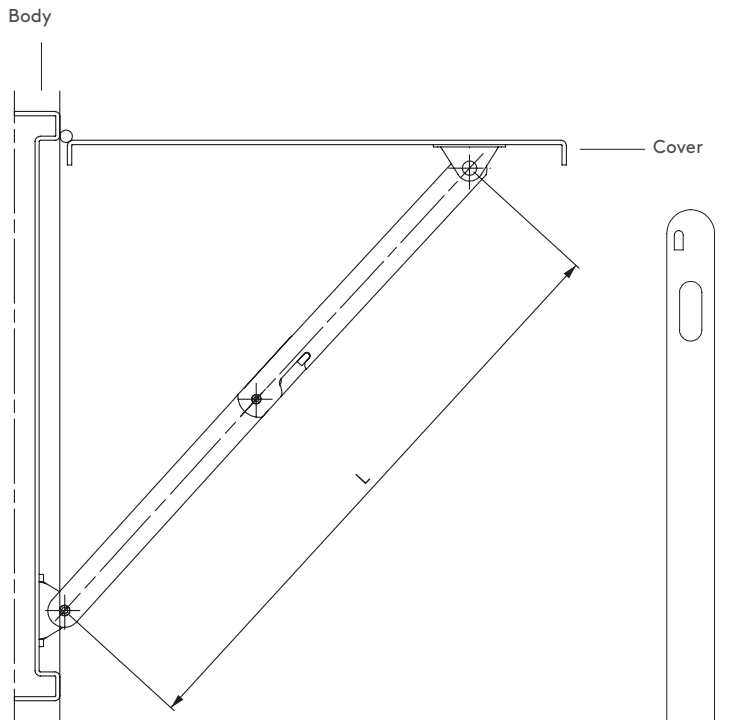
PRODUCT CODE



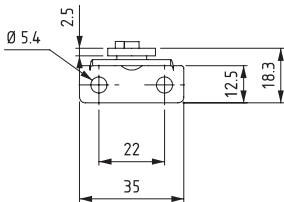
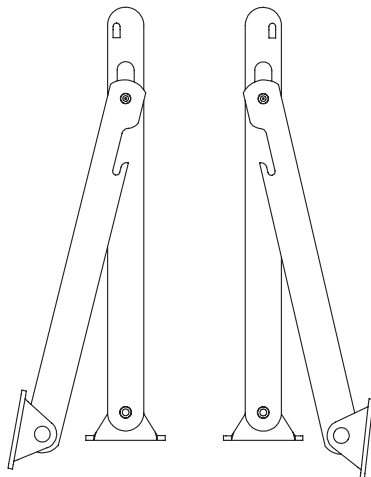


COVER STAY

079



LEFT RIGHT



Lmm

292

202

135

APPLICATIONS

Electric panels, machinery covers

MATERIAL

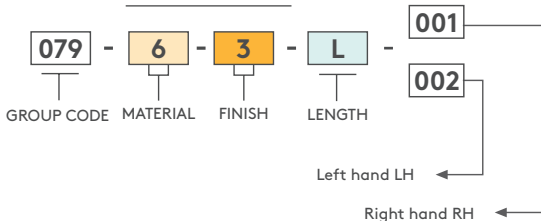
Steel

FINISH

Zinc plated

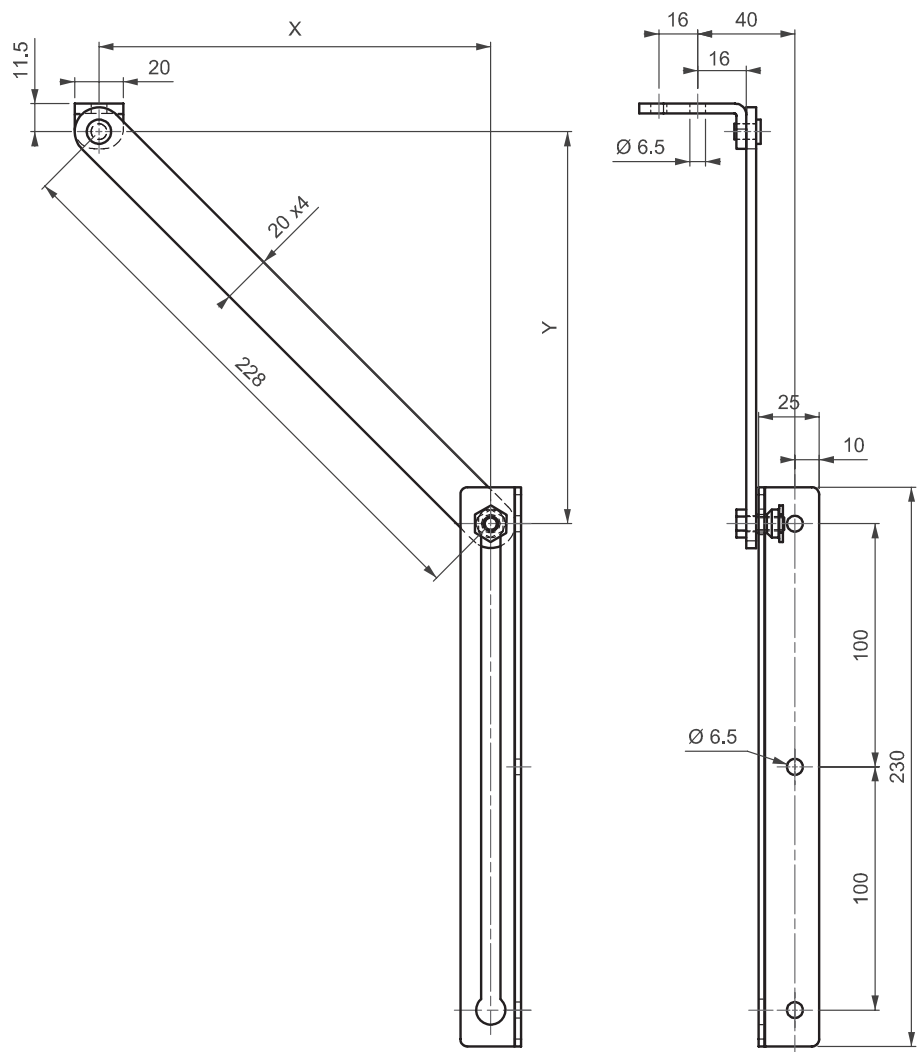
• Stainless steel version: page 480

PRODUCT CODE



179

COVER STAY



Installation dimensions

OPENING ANGLE	DIMENSIONS		MINIMAL DOOR WIDTH
	X	Y	
140°	140	180	403
120°	120	166	389
110°	110	150	373
100°	100	146	369

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



- Stainless steel version: page 481
- Cover Stay with automatic lock to keep the door open
- LH and RH application is possible

APPLICATIONS
Electric panels, machinery covers

MATERIAL
Steel
FINISH
Zinc plated

PRODUCT CODE

179 - 6 - 3
GROUP CODE MATERIAL FINISH



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

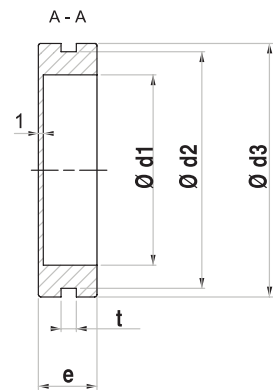
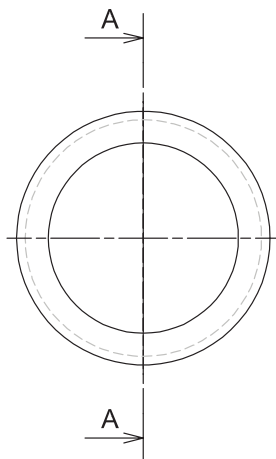
Electric panels

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

APPLICATIONS

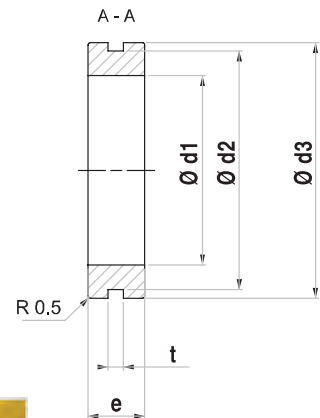
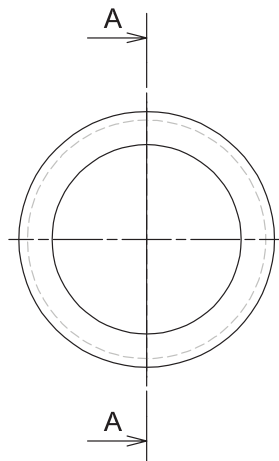
Electric panels

MATERIAL

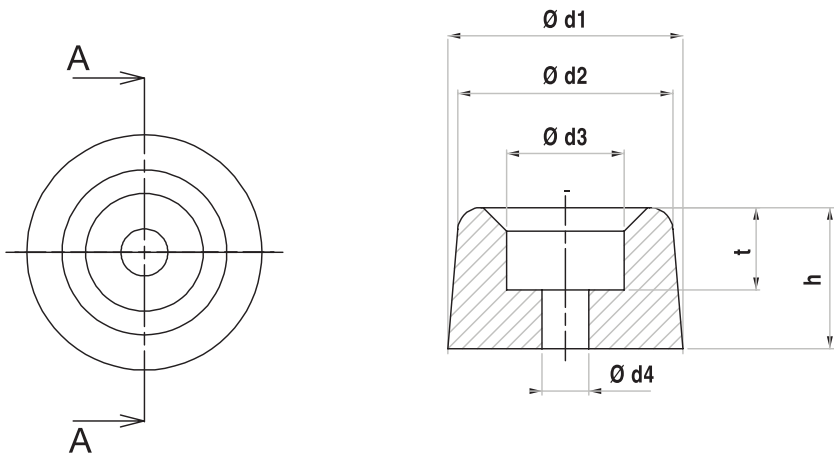
NR Rubber, or TP

COLOR

Black



Ø D1 MM	Ø D2 MM	Ø D3 MM	T MM	E MM	PRODUCT CODE
13.5	19.5	27	3.2	8	340.00.380
20	25	30	3.5	11.5	340.00.381
23.5	29	34	3.5	11.5	340.00.382
38.5	48.5	52	3.2	11.5	340.00.383



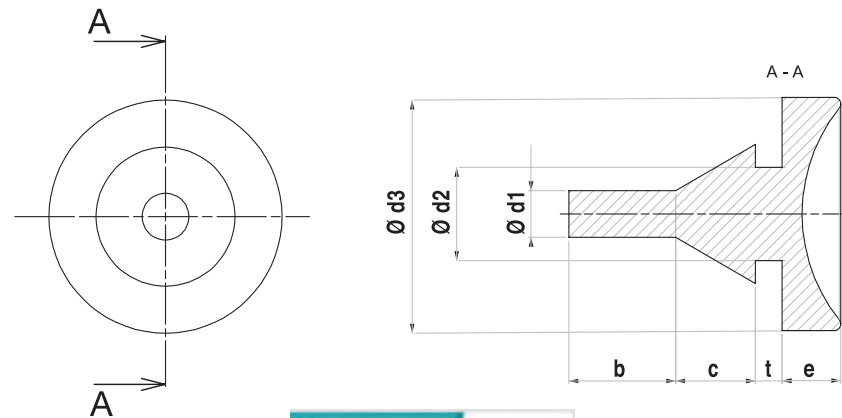
Ø D1 MM	Ø D2 MM	Ø D3 MM	Ø D4	T MM	E MM	PRODUCT CODE
20	18	10	4	7	12	340.08.010
20	19	10	4	8	22.5	340.08.011
30	25	14	4	20	30	340.08.012
40	38	13	6	12	32	340.08.013



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

APPLICATIONS
Electric panels generators, compressor, machinery covers

MATERIAL
NR Rubber, or TP
COLOR
Black



Ø D1 MM	Ø D2 MM	Ø 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

APPLICATIONS
Electric panels
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

APPLICATIONS

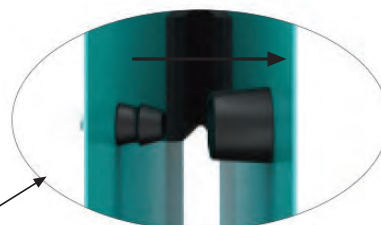
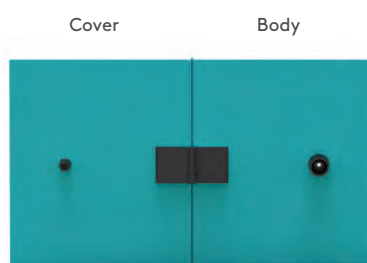
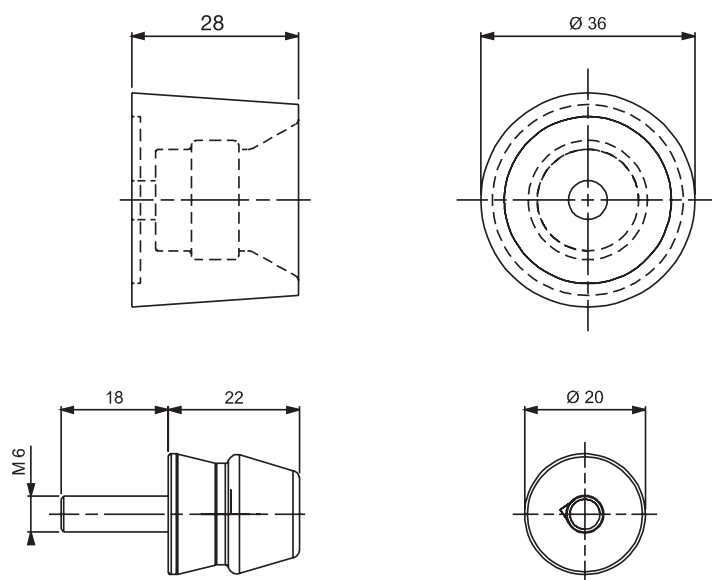
Generators, compressors, machinery covers.

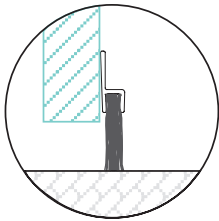
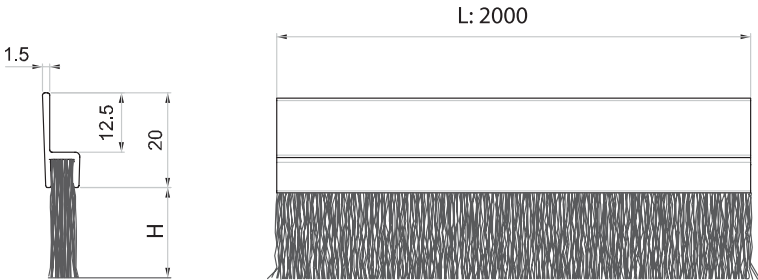
MATERIAL

NBR Rubber

COLOR

Black





H MM	PRODUCT CODE
40	340.20.005
50	340.20.006
60	340.20.007
70	340.20.008
80	340.20.009
90	340.20.010
100	340.20.011

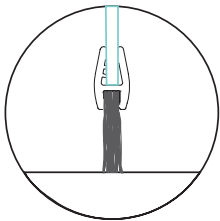
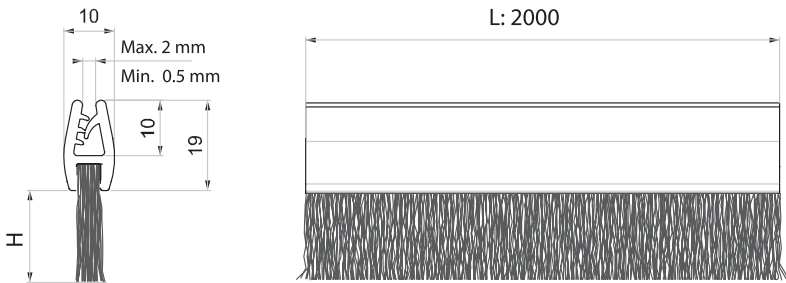


DOOR BOTTOM BRUSHES
(Screw type)

- 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

APPLICATIONS
Electric panels , rack cabinets

MATERIAL
BODY : Aluminium



H MM	PRODUCT CODE
40	340.20.025
50	340.20.026
60	340.20.027
70	340.20.028
80	340.20.029
90	340.20.030
100	340.20.031



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

APPLICATIONS
Electric panels , rack cabinets

MATERIAL
BODY : Plastic



ACCESSORIES

ACOUSTIC SPONGE (FORMED 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

APPLICATIONS

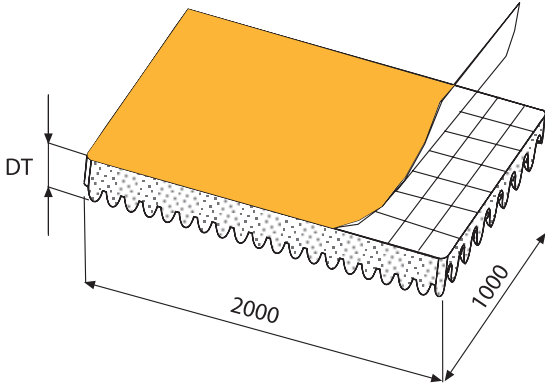
Generators, compressors, HVAC

MATERIAL

Polyurethane

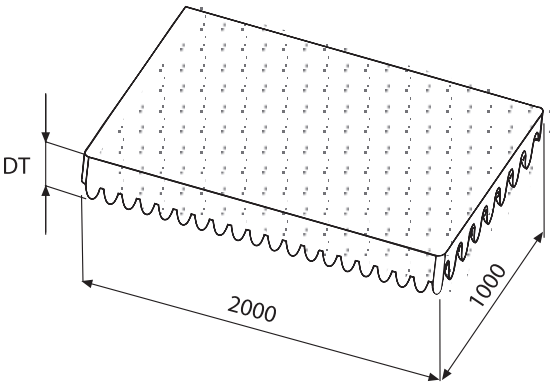
COLOR

Black



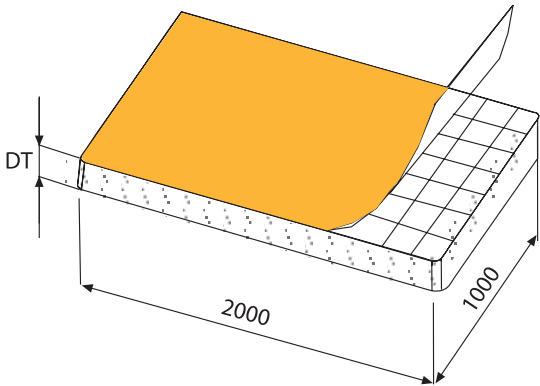
Self - adhesive

DT MM	PRODUCT CODE
30/15	340.10.006
40/20	340.10.007
50/25	340.10.008



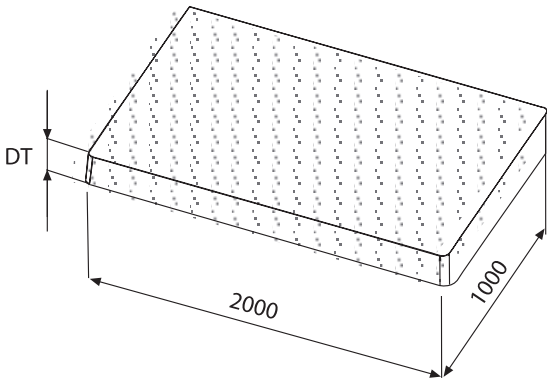
Non - adhesive

DT MM	PRODUCT CODE
30/15	340.10.026
40/20	340.10.027
50/25	340.10.028



Self - adhesive

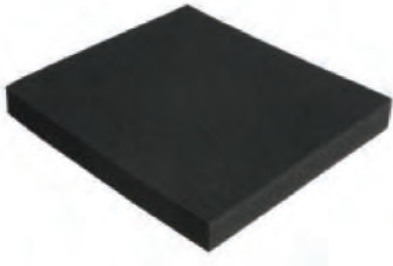
DT MM	PRODUCT CODE
30	340.10.046
40	340.10.047
50	340.10.048



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

APPLICATIONS
Generators, compressors, HVAC

MATERIAL
Polyurethane

COLOR
Black

STAINLESS STEEL PRODUCTS

STAINLESS STEEL PRODUCTS

GROUP CODE	PRODUCT NAME
401	SWINGHANDLE
501	SWINGHANDLE
502	SWING HANDLE – GEAR BOX
402	SWING HANDLE – GEAR BOX
103	THREE-POINT LOCK – T HANDLE
103	THREE-POINT LOCK – L HANDLE
	ROUND - FLAT RODS AND ACCESSORIES
016	PUSH-TO-CLOSE LOCK
416	PUSH-TO-CLOSE LOCK
315	T HANDLE HEAVY-DUTY LOCK
115	T HANDLE HEAVY-DUTY LOCK
060	QUARTER TURN WITH SPRING
066	MINI-QUARTER TURN WITH SPRING
064	QUARTER TURN WITH SPRING
040	COMPRESSION LOCK
460	ANTI CONTAMINATION LOCK
045	COMPRESSION - SPRING LATCH
110	QUARTER TURN – T HANDLE
111	QUARTER TURN – L HANDLE
065	QUARTER TURN – WING KNOB
265	PADLOCKABLE WING KNOB
860	QUARTER TURN LOCK
042	SCREW LOCK
276	SAFETY LATCH
295	CONCEALED HINGE
395	CONCEALED HINGE
695	CONCEALED HINGE
795	CONCEALED HINGE
289	CONCEALED HINGE
095	CONCEALED HINGE
995	CONCEALED HINGE
097	CORNER HINGE
3599	LIFT-OFF HINGE
600	LEAF HINGE
3099	LIFT-OFF HINGE
299	LEAF HINGE
099	LEAF HINGE
399	LEAF HINGE
599	LEAF HINGE
799	LEAF HINGE
1599	LEAF HINGE
899	LEAF HINGE
999	LEAF HINGE
2999	LEAF HINGE
2890	CONCEALED HINGE
090	SIDE HINGE (10 MM)
092	SIDE HINGE (12 MM)
192	SIDE HINGE (12 MM)
193	SIDE HINGE (16 MM)
340.00.132	TOGGLE LATCH
340.00.134	TOGGLE LATCH
279	COVER STAY
079	COVER STAY
179	COVER STAY



ESSENTRA

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STAINLESS STEEL PRODUCTS

SWINGHANDLE

401



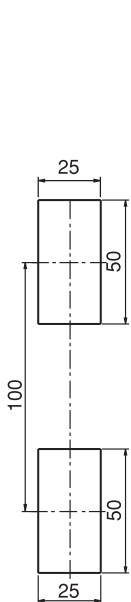
IP 65



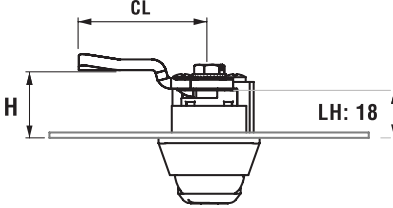
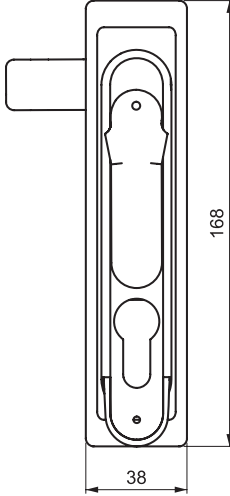
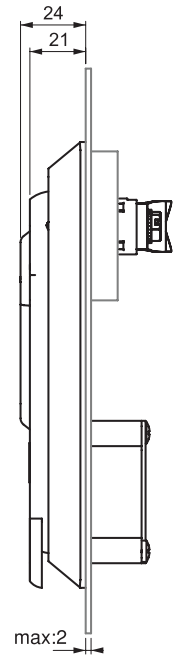
LH/RH



RoHS



Cut out



APPLICATIONS
Electric panels, outdoor cabinets

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



PRODUCT CODE

401 - DD - CC - 1

GROUP CODE CYLINDER CAM For Only Padlock

	BRASS CYLINDER	DD
	No cylinder	00
	Keyed alike	11

For cams please check page: 148

For rods please check page: 150 or 430

501

SWINGHANDLE

IP 65



LH/RH

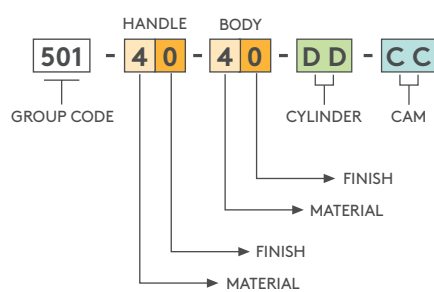
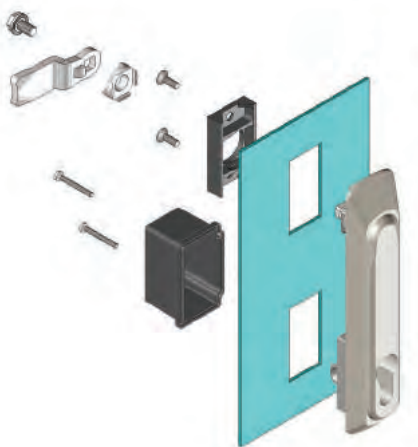
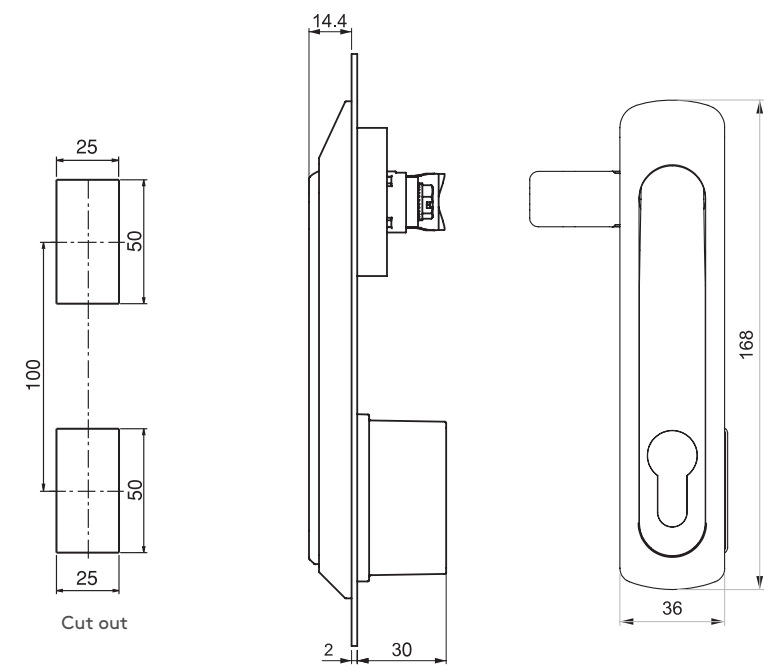


RoHS



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

For other materials please check: page 20

For cams please check page: 148
For rods please check page: 150 or 430

SWINGHANDLE GEAR BOX

502

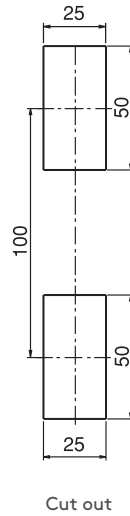
IP 65



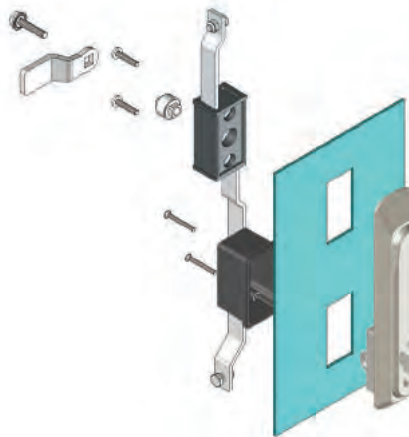
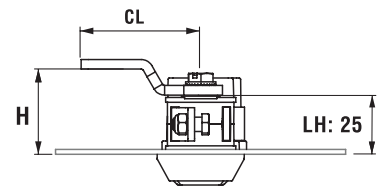
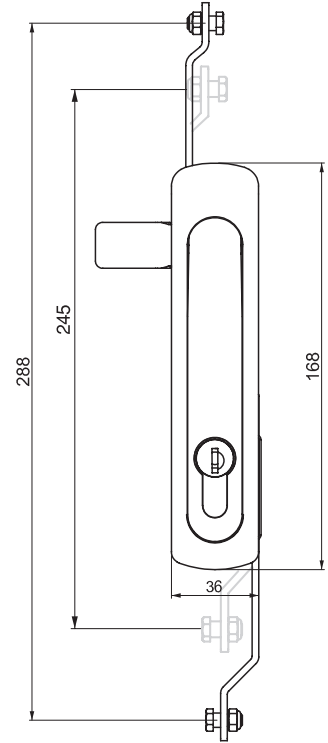
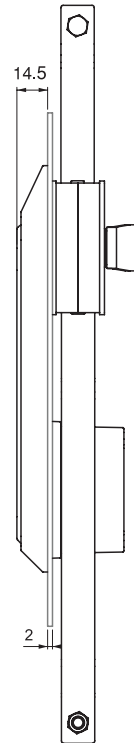
LH/RH



RoHS



Cut out



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

APPLICATIONS

Electric panels, outdoor cabinets

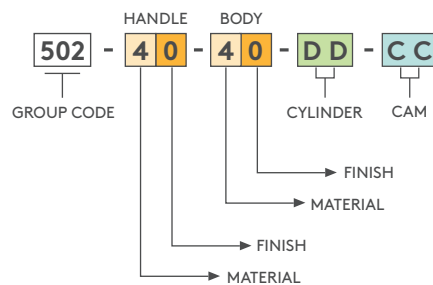
MATERIAL

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

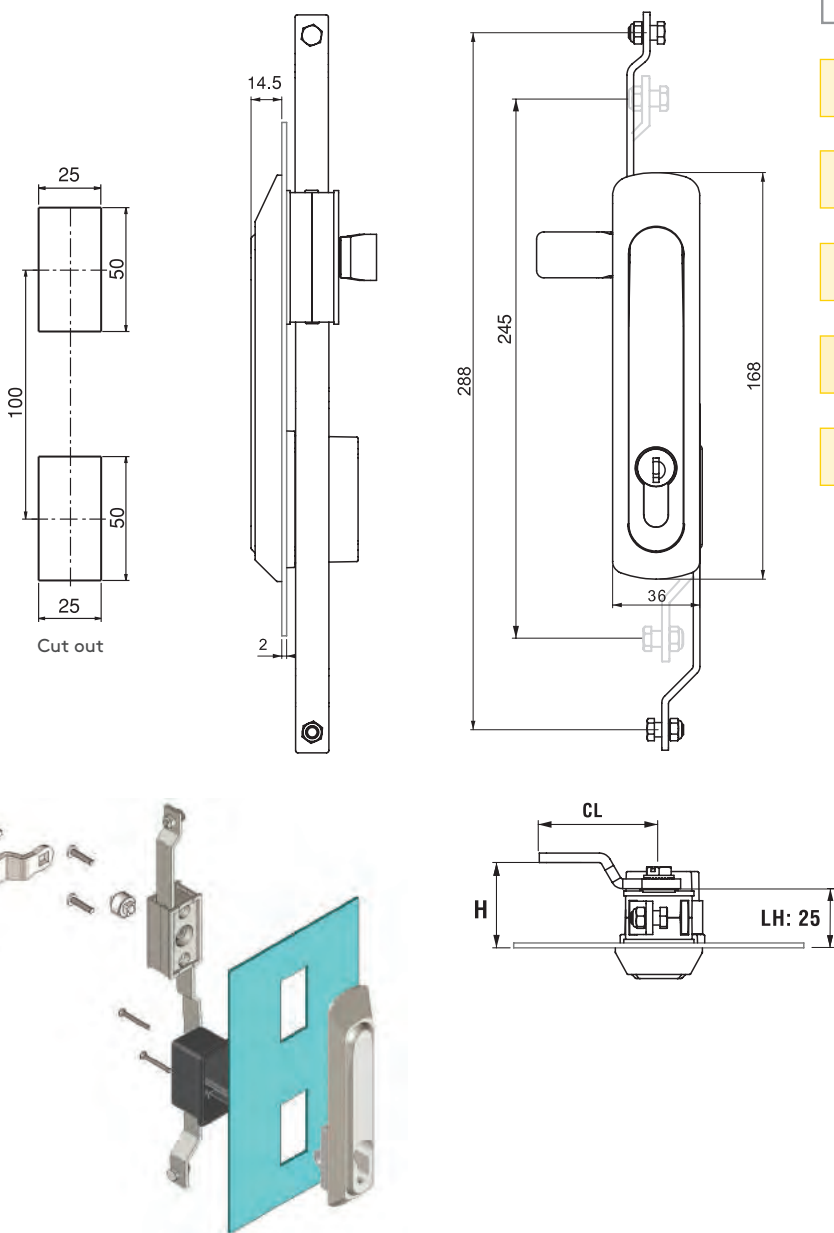
For other materials please check:
page 50

For cams please check page: 148

For rods please check page: 150 or 430



	BRASS CYLINDER	DD
	No cylinder	00
	Keyed alike	11



502

SWINGHANDLE GEAR BOX

STAINLESS STEEL

IP 65



LH/RH



RoHS



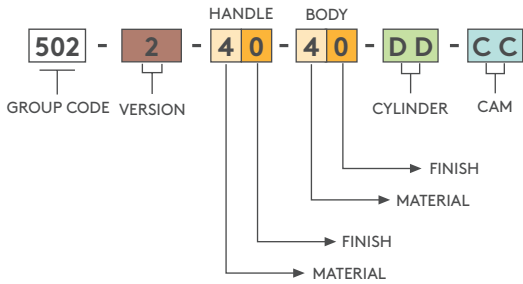
- Thin external profile (14.4 mm) for flush appearance
- High-security, brass, Euro Profile single cylinder available

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

For other materials please check: page 50

For cams please check page: 148

For rods please check page: 150 or 430

SWINGHANDLE GEAR BOX

402

IP 65



LH/RH

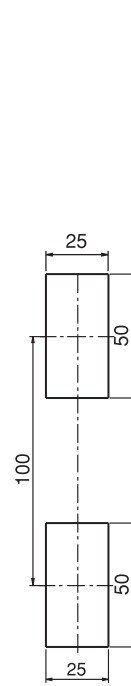


RoHS

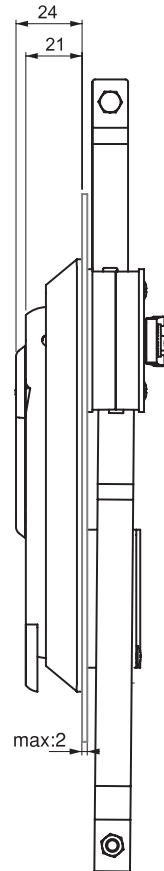


APPLICATIONS
Electric panels, outdoor cabinets

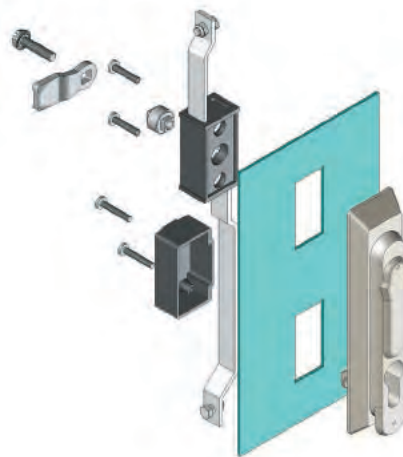
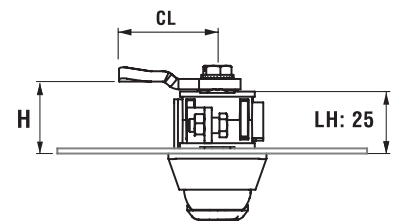
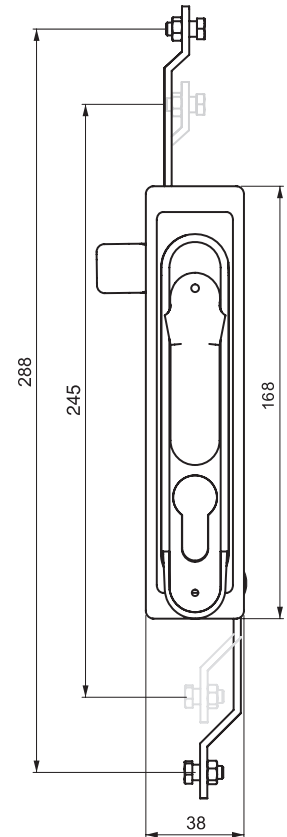
MATERIAL
BODY: Stainless Steel (AISI 316)
HANDLE: Stainless Steel (AISI 316)
MECHANISM: PA6 GFR 30
CAM: Stainless Steel
GASKET: Polyurethane



Cut out



max:2

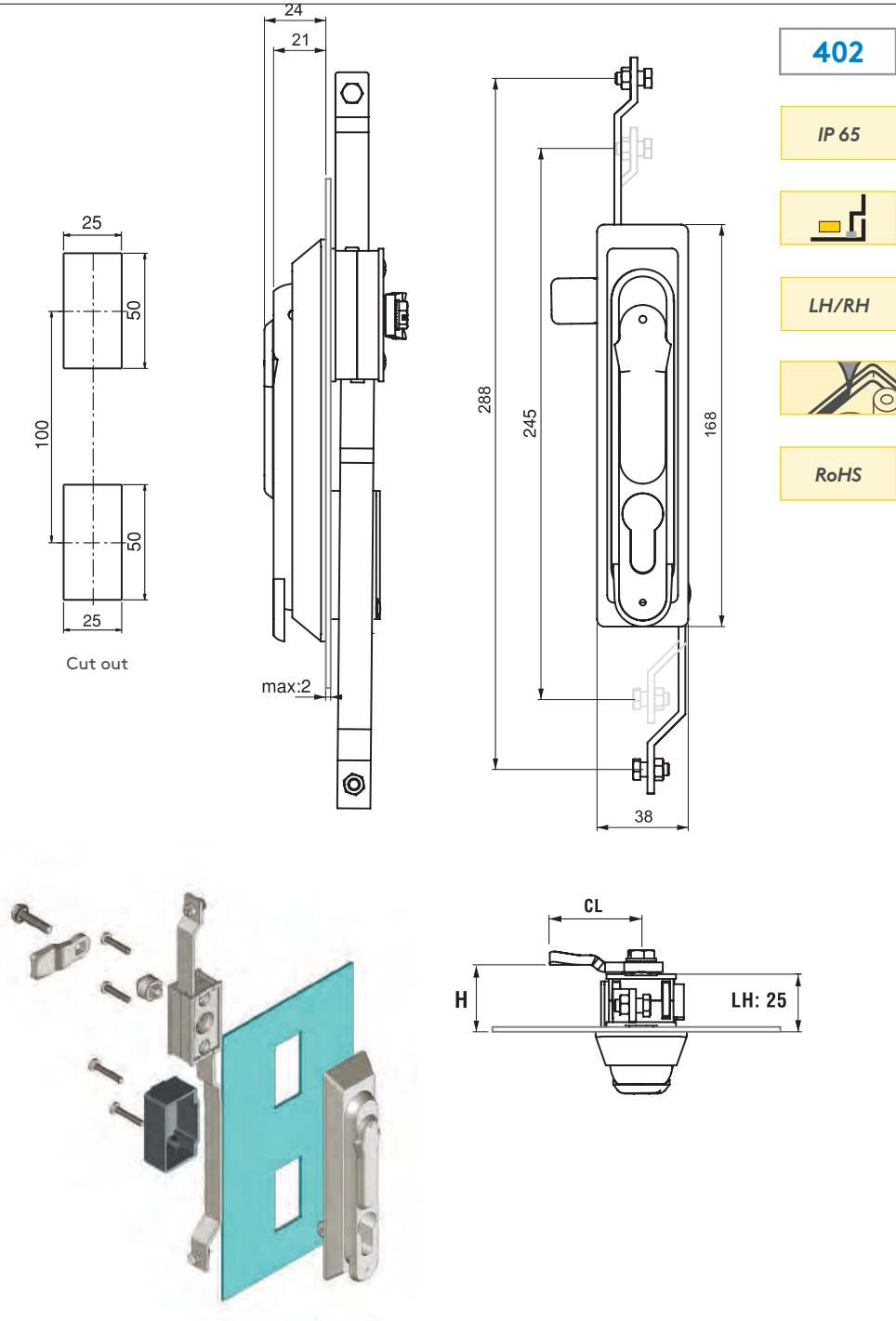


PRODUCT CODE

402 - DD - CC - 1
GROUP CODE CYLINDER CAM For Only Padlock

For cams please check page: 148
For rods please check page: 150 or 430

	BRASS CYLINDER	DD
	No cylinder	00
	Keyed alike	11



- 402
- IP 65
- LH/RH
- RoHS



APPLICATIONS
Electric panels, outdoor cabinets

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

PRODUCT CODE

402 - 2 - DD - CC - 1
GROUP CODE VERSION CYLINDER CAM For Only Padlock

	BRASS CYLINDER	DD
No cylinder		00
Keyed alike		11

For cams please check page: 148
For rods please check page: 150 or 430

STAINLESS STEEL PRODUCTS

THREE POINT LOCK – T HANDLE

103



LH

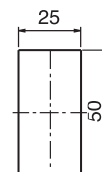
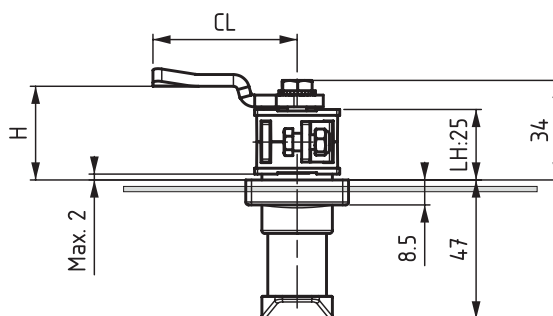
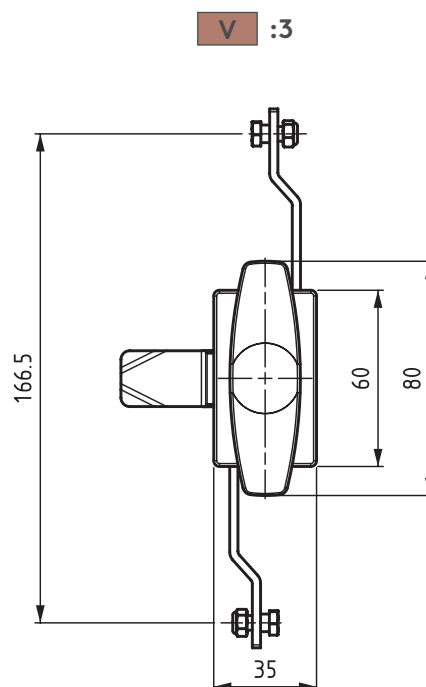
RH



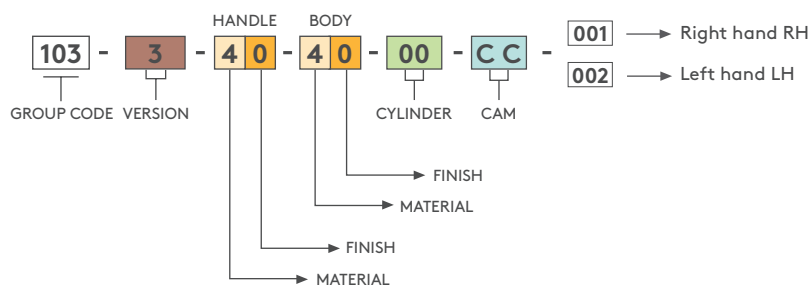
RoHS

MATERIAL

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



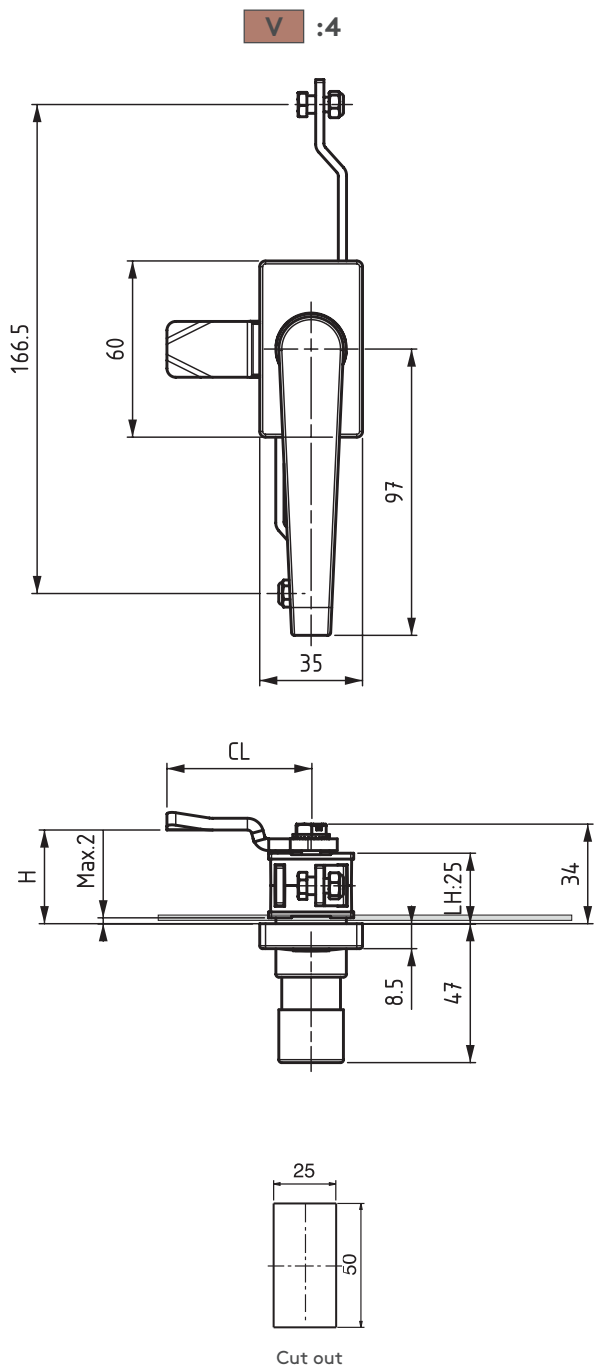
Cut out



For cams please check page: 148



For rods please check page: 150 or 430



103

THREE POINT LOCK –
L HANDLE



LH

RH

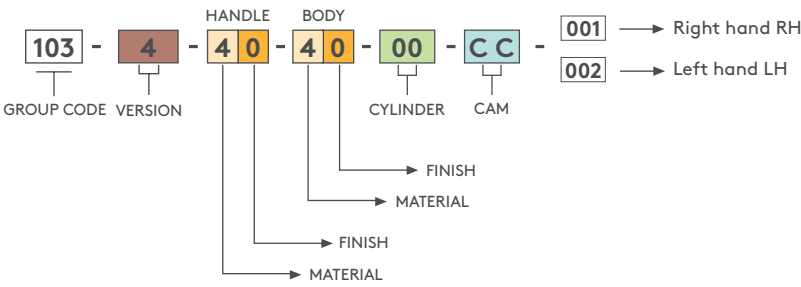


RoHS

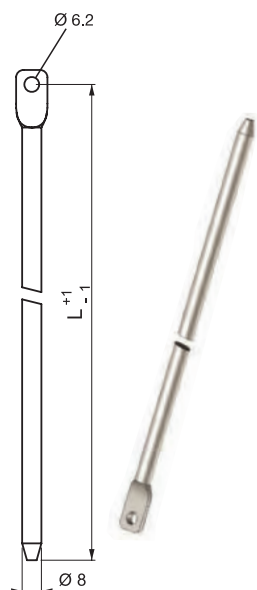


MATERIAL

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



For cams please check page: 148
For rods please check page: 150 or 430



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

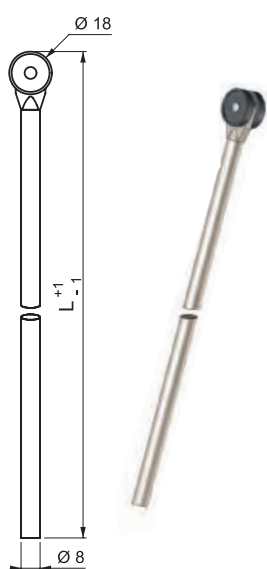
APPLICATION:

- 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

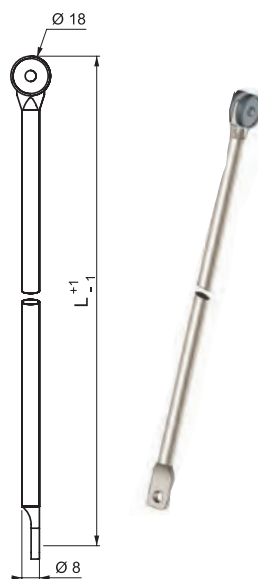
APPLICATION:

- 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

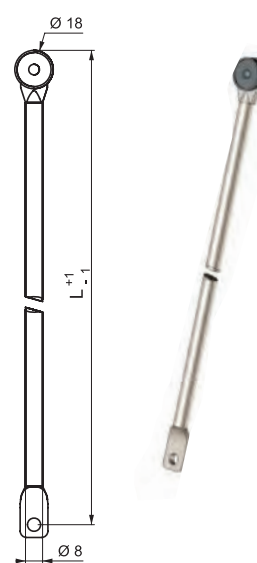
APPLICATION:

- 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:

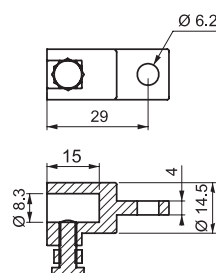
- Round-rod guide (CY)

For other materials please check:
pages 152 and 153

CT.4.0



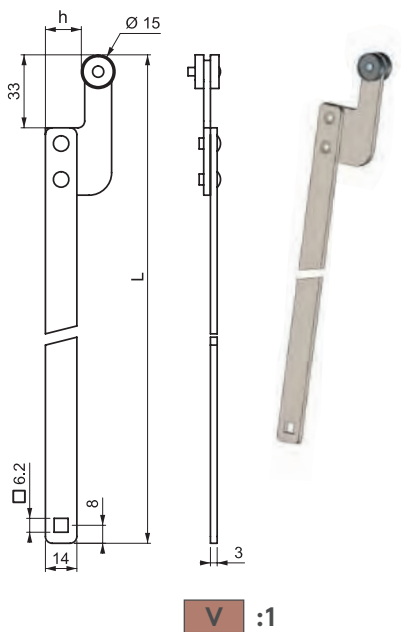
Rod adapter



PRODUCT CODE

IC	-	4	-	0	-	V	-	L
GROUP CODE		MATERIAL		FINISH		VERSION		LENGTH

For different 'L' Lengths, please contact us

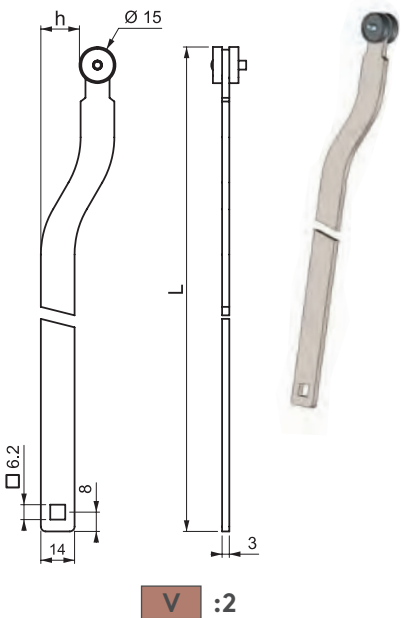


H MM	L MM	PRODUCT CODE
27	1020	IL 4-0-1-27-1020
13	1020	IL 4-0-1-13-1020

APPLICATION:
• With gear-box locks



ACCESSORIES:
• Flat-rod guide (LY)

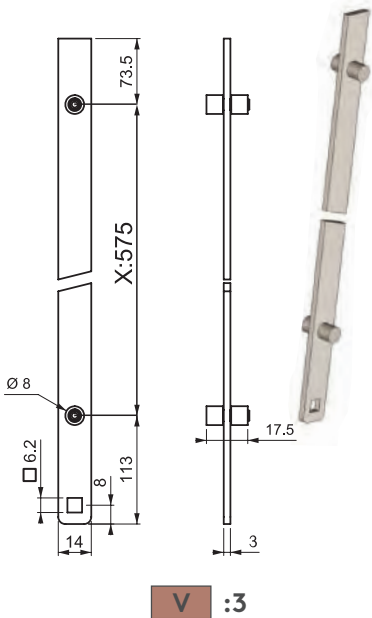


H MM	L MM	PRODUCT CODE
21	1020	IL 4-0- 2-21-1020
16	1020	IL 4-0- 2-16-1020

APPLICATION:
• With gear-box locks



ACCESSORIES:
• Flat-rod guide (LY)



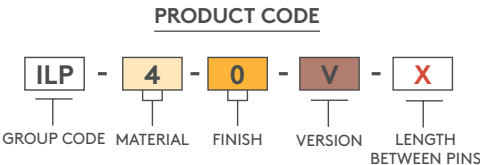
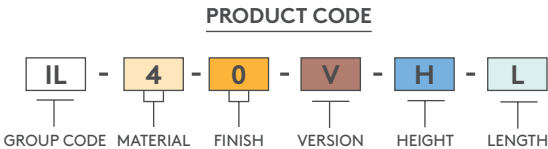
X MM	PRODUCT CODE
575	ILP 4-0-1-575

APPLICATION:
• With gear-box locks



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

For other materials please check:
page 161



For different 'L' Lengths, please contact us

STAINLESS STEEL PRODUCTS

PUSH-TO-CLOSE LOCK

016



IP 54

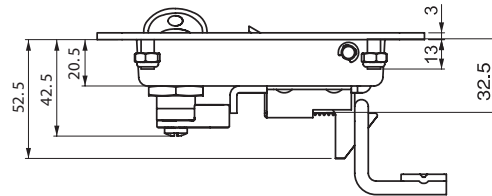
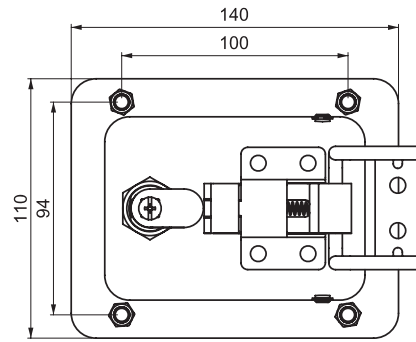


LH/RH

RoHS

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

MATERIAL
Stainless Steel (AISI 304)



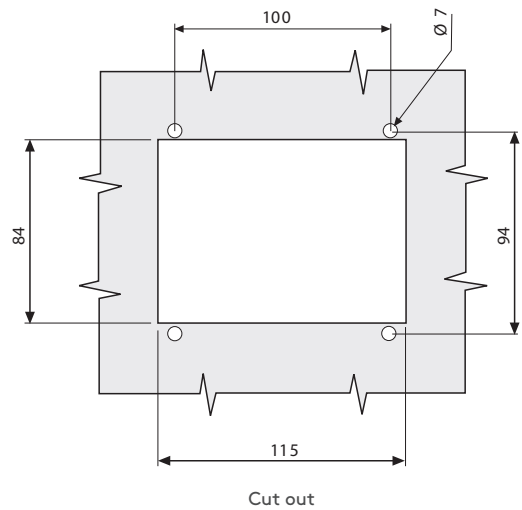
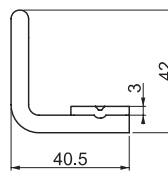
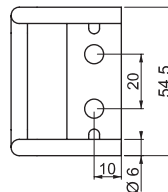
CAM STRIKING PLATE

016 A740



- Striking plate. Custom sizes available

MATERIAL
Stainless Steel (AISI 304)



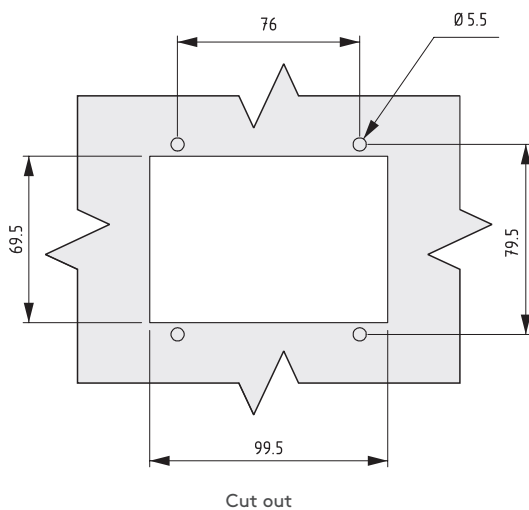
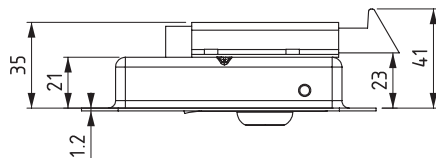
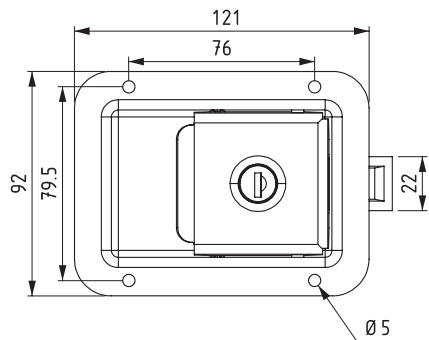
PRODUCT CODE

016	-	4	-	0	-	DD	-	1
GROUP CODE		MATERIAL		FINISH		CYLINDER		VERSION

SPECIFICATIONS

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

For other materials please check:
page 82



PRODUCT CODE

416	-	4	-	0	-	DD
GROUP CODE		MATERIAL		FINISH		CYLINDER

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

416

PUSH-TO-CLOSE LOCK



IP 54



LH/RH



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

MATERIAL
Stainless Steel (AISI 304)

T HANDLE HEAVY-DUTY LOCK

315

New

IP 54

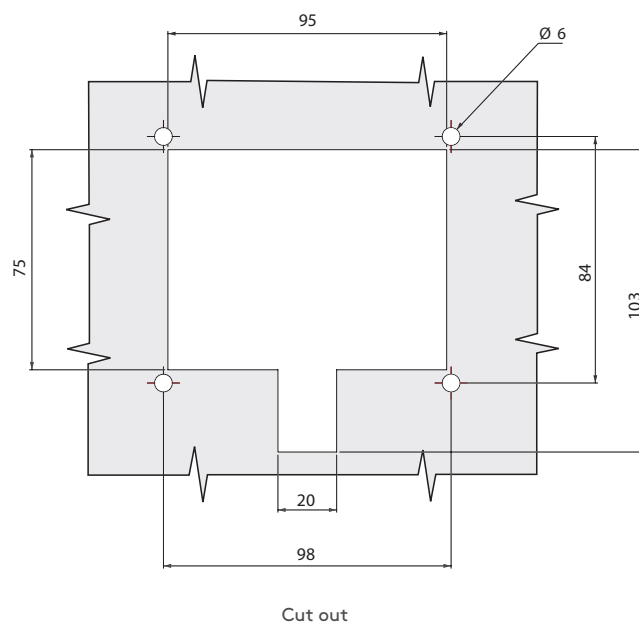
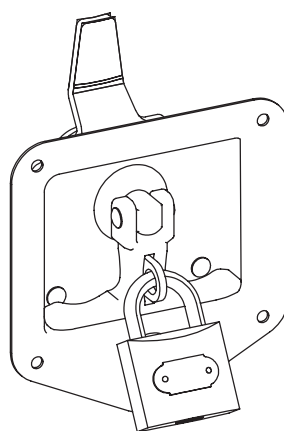
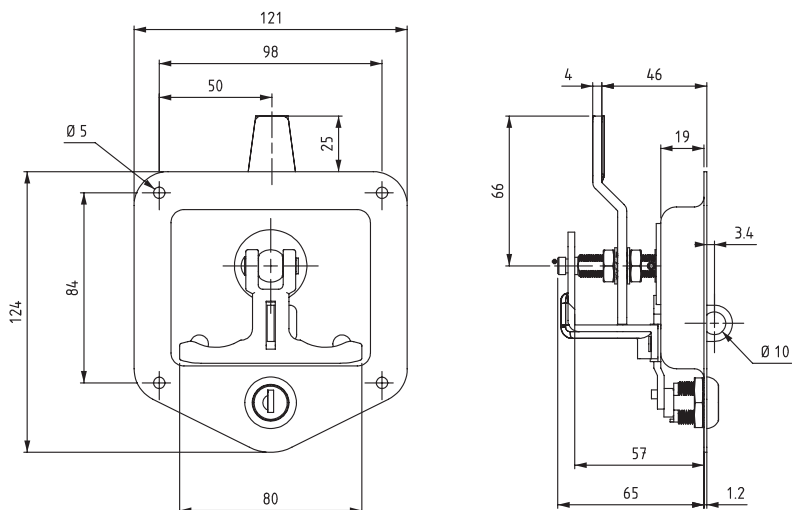
LH/RH



- Suitable for special equipment cases
- Adjustable cam for wide grip range
- Maximum padlock shackle diameter 9 mm

MATERIAL

BODY: Stainless steel
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1
PADLOCK HASP: Stainless steel
CAM: Steel



115

T HANDLE
HEAVY-DUTY LOCK

IP 54

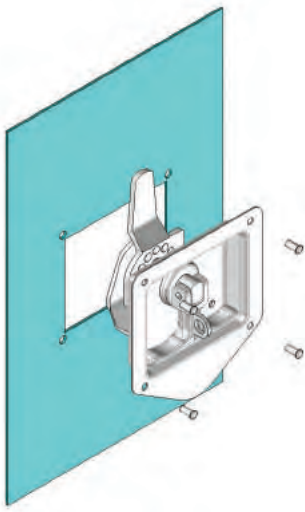
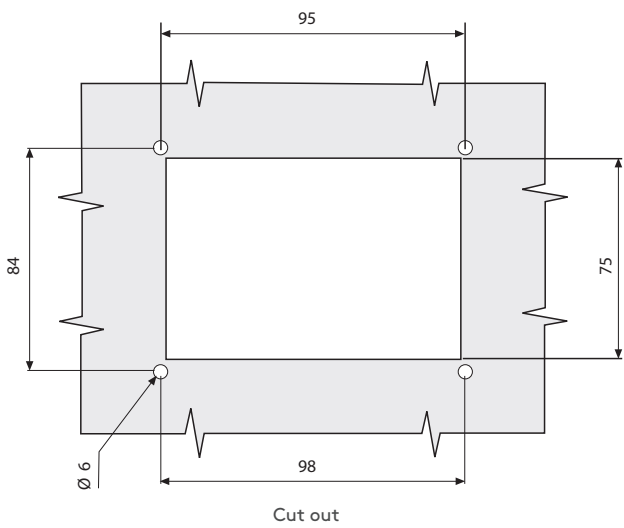
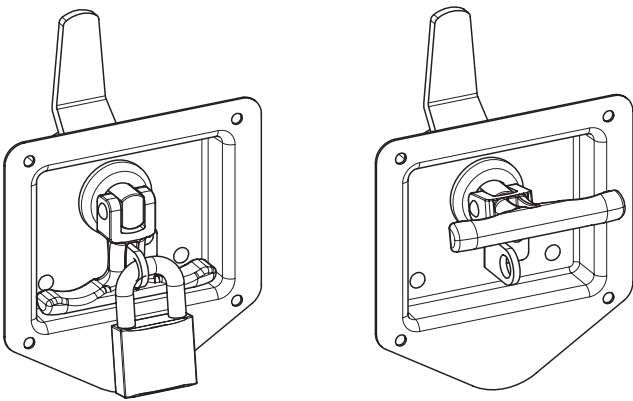
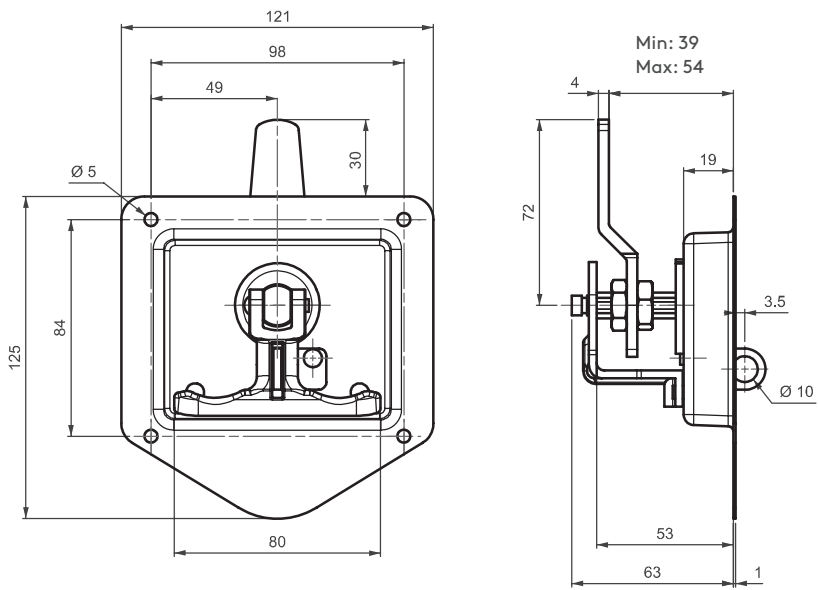


LH/RH



- Suitable for special equipment cases
- Adjustable cam for different grip range
- Maximum padlock shackle diameter 9 mm

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



STAINLESS STEEL PRODUCTS

QUARTER TURN – SPRING LOADED



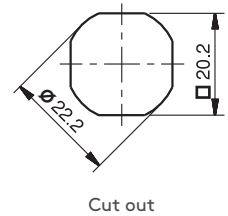
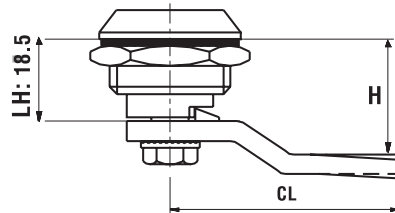
060

IP 65



LH/RH

RoHS



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

MATERIAL

Stainless Steel (AISI 3.....)

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

PRODUCT CODE

060 - 4 - 0 - DD - CC
GROUP CODE MATERIAL FINISH CYLINDER CAM

MINI QUARTER TURN – SPRING LOADED

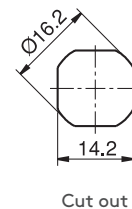
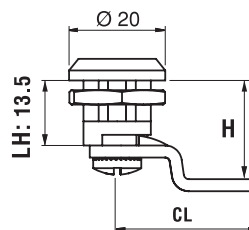


066



LH/RH

RoHS



- 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

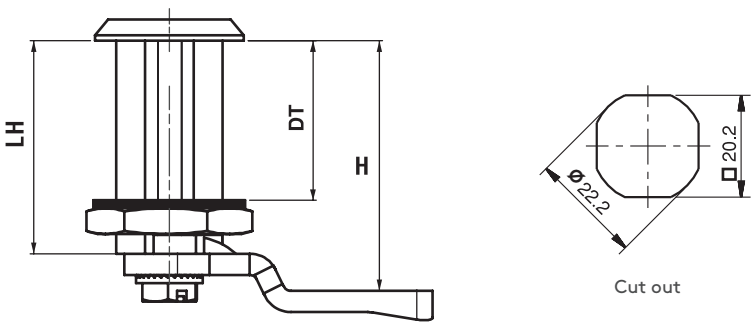
Chrome plated

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

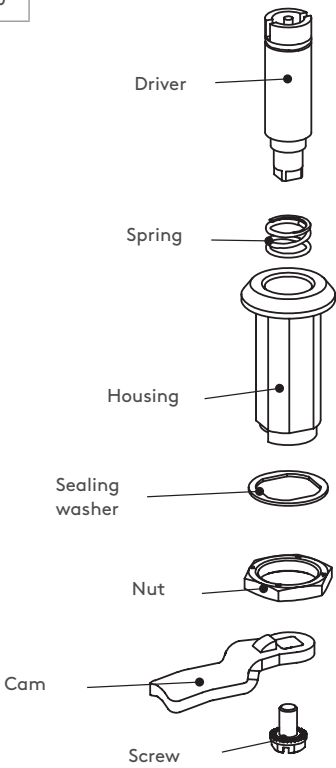
PRODUCT CODE

066 - 4 - 0 - DD - CC
GROUP CODE MATERIAL FINISH DRIVER CAM

For other materials please check:
page 202



DT	LH
30	40
40	50
50	60



064

QUARTER TURN –
SPRING LOADED

IP 65



LH/RH

RoHS



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

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

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	

PRODUCT CODE

064 - 4 - 0 - DD - DT - CC
GROUP CODE MATERIAL FINISH DRIVER DOOR THICKNESS CAM

For other materials please check:
page 191

For cams please check page: 148
For keys please check pages: 162 - 163

COMPRESSION LOCK

040

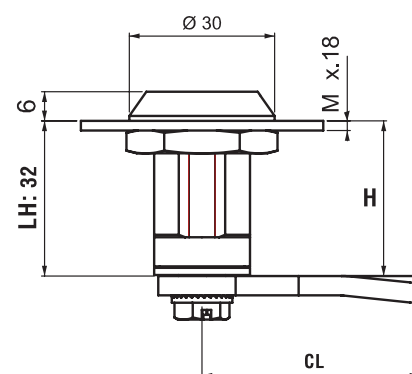
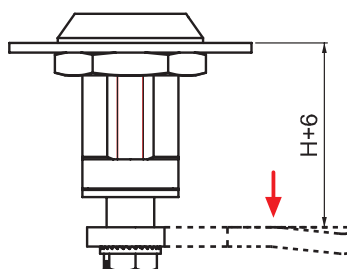


IP 65

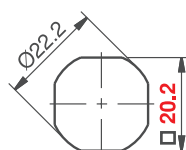
LH

RH

RoHS



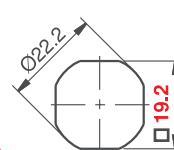
1



Standard
Cut Out

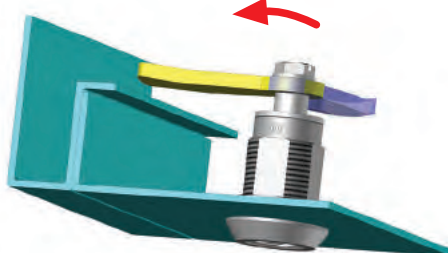


3



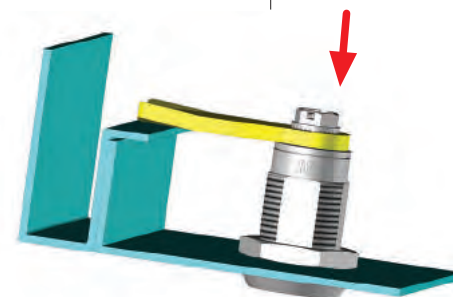
Attention

Special
Cut Out



Unlock position

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



Lock position

Further key rotation 180° applies compression

- 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 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Sealing glue 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)

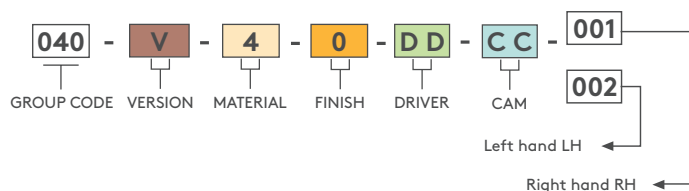
CAM: Stainless Steel (AISI 304)

NUT: Stainless Steel (AISI 304)

DRIVERS

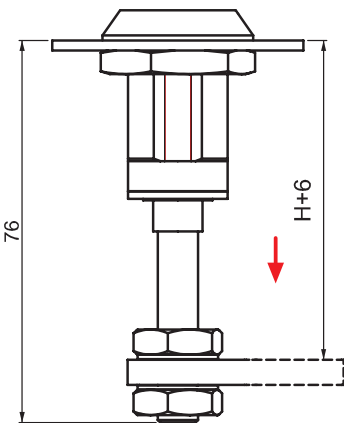
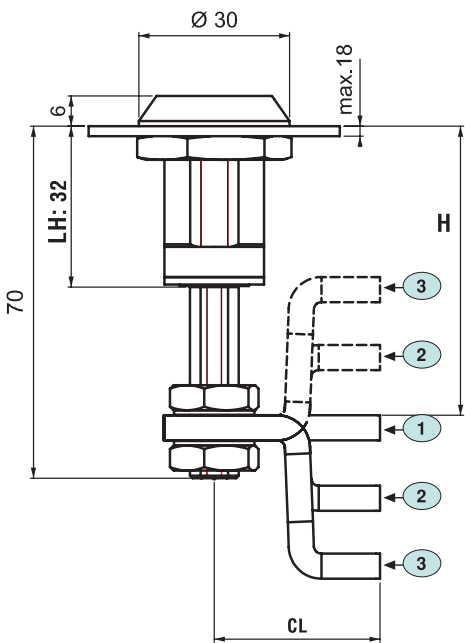
3 mm Double bit		5 mm Double bit		Railway		8 mm Square		2X4 mm Slot	
DD		DD		DD		DD		DD	
13		15		88		28		42	

7 mm Triangular		8 mm Triangular	
DD		DD	
37		38	

PRODUCT CODE

 For cams please check page: 148

 For keys please check pages: 162 - 163



040

COMPRESSION LOCK

IP 65

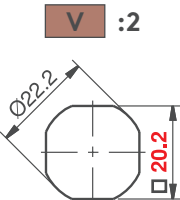
LH

RH

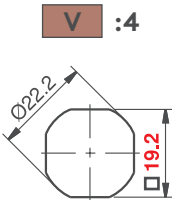
RoHS



CAM		CC	CH	CL	H GRIP	
					MIN	MAX
1		01	0	33	41	58
2		02	14	33	27	72
3		03	27.5	33	13.5	85



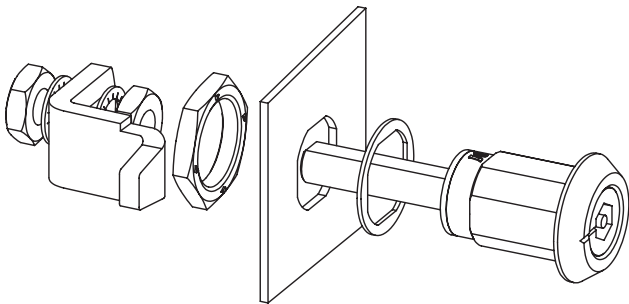
Standard Cut Out



Special Cut Out



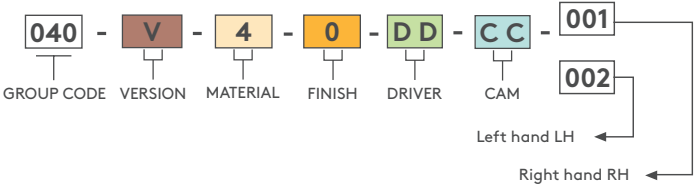
Attention



- 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
- Sealing glue 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)

PRODUCT CODE



COMPRESSION LOCK

040



IP 65

LH

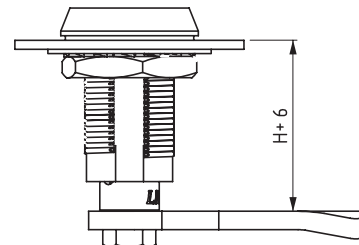
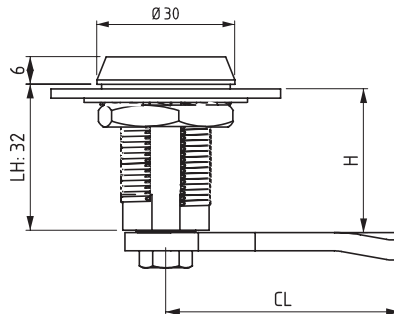
RH

RoHS

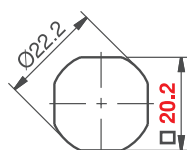
- Used for cabinets that require better sealing under vibrating conditions
- Provides 6 mm of compression
- Provides noise isolation
- Different drivers/cams available
- Standard cams without stopper required for these locks
- The lock has been tested according to the DIN EN 61373 Category 1-B for vibration and shock.
- Working Temperature Range: -50/+80 C
- M22 Nut : should be fixed with 60 Nm
- M10 Nut: should be fixed with 10 Nm
- Sealing glue is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MMATERIAL

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

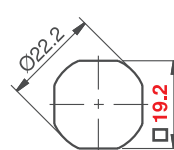


V :7



Standard
Cut Out

V :8



Special
Cut Out

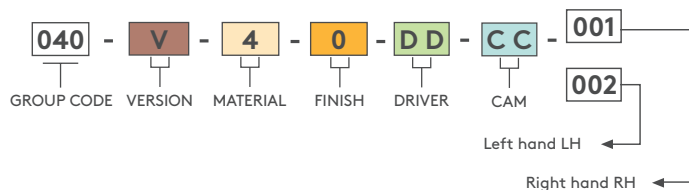


Attention

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			
DD 37	DD 38			

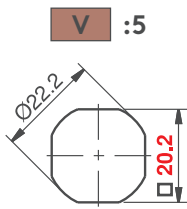
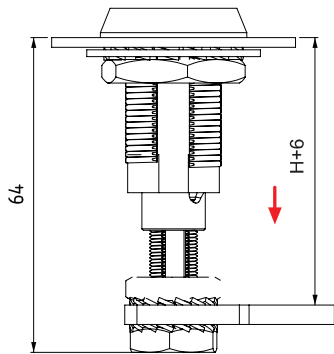
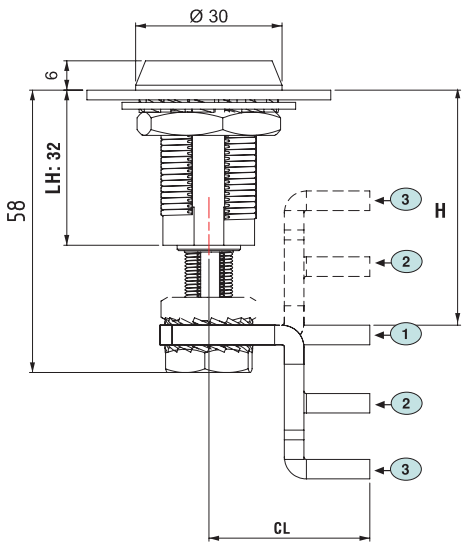
PRODUCT CODE



For cams please check page: 148



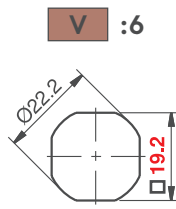
For keys please check pages: 162 - 163



Standard
Cut Out

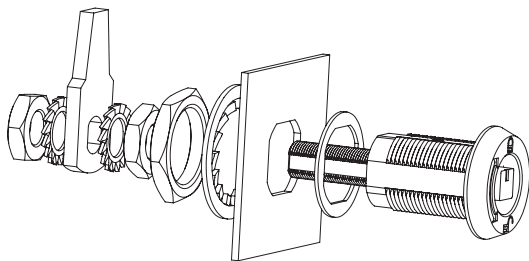


Attention



Special
Cut Out

CAM	CC	CH	CL	H GRIP MIN	H GRIP MAX
1	01	0	33	38	48
2	02	14	33	24	62
3	03	27.5	33	11	75



040

COMPRESSION LOCK

New

IP 65

LH

RH

RoHS

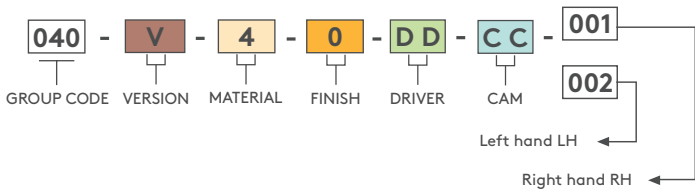


- Used for cabinets that require better sealing under vibrating conditions
- 6 mm of compression
- Wide grip range with adjustable screw
- Noise isolation
- Different drivers/cams available
- Three different cam alternatives available
- The lock has been tested according to the DIN EN 61373 Category 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
- Sealing glue 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)

PRODUCT CODE



STAINLESS STEEL PRODUCTS

ANTI CONTAMINATION LOCK

460



IP 69K



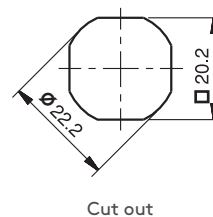
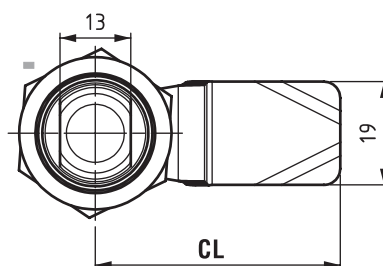
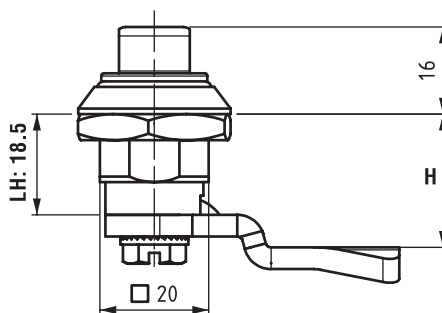
LH/RH

RoHS

- Dirt resistant and easy to clean
- Specially designed for hygiene requirements of food sector

MATERIAL

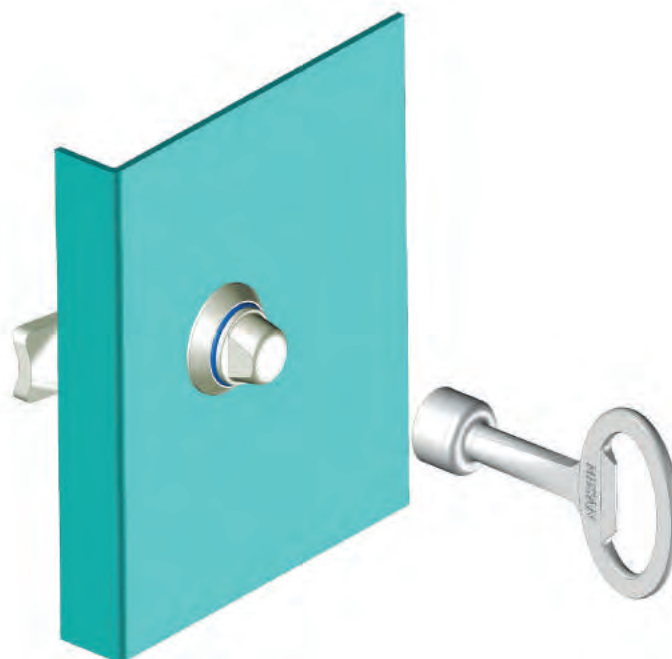
HOUSING: Stainless Steel (AISI 316)
DRIVER: Stainless Steel (AISI 316)
CAM: Stainless Steel (AISI 304)
ORING: Silicone



Cut out

METAL KEY

368-94



MATERIAL

Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Chrome plated

PRODUCT CODE

460 - 4 - 0 - CC
GROUP CODE MATERIAL FINISH CAM



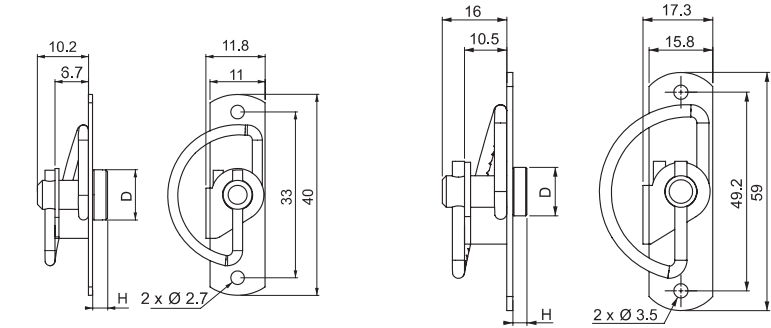
For cams please check page: 148

045

COMPRESSION - SPRING LATCH

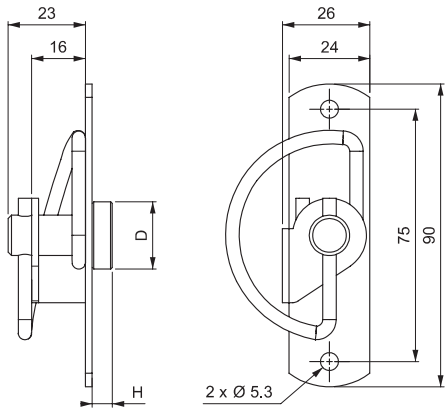


RoHS

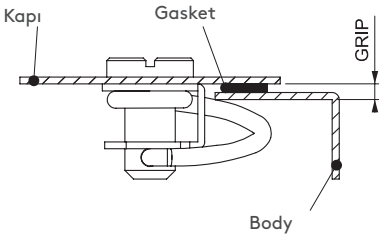


Small

Medium



Large



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

MATERIAL

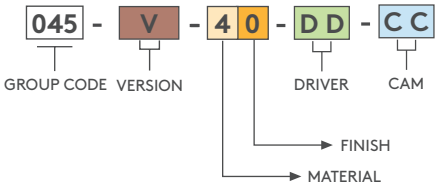
BODY: Stainless steel
DRIVER: Stainless steel
SPRING: Stainless steel

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

CAM		
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

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

PRODUCT CODE



QUARTER TURN – T HANDLE

110



LH/RH

RoHS



- Quarter-turn operation
- Stainless steel

MATERIAL

HOUSING: Stainless Steel (AISI 316)

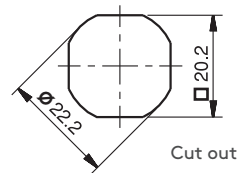
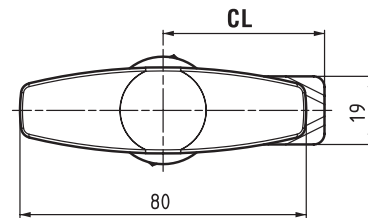
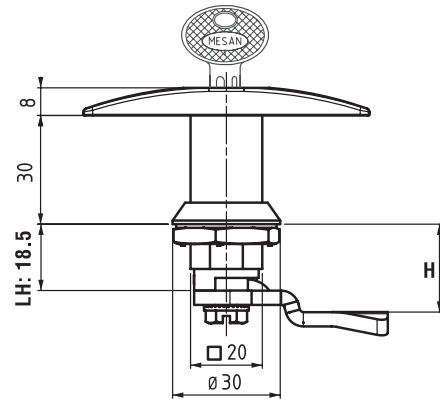
HANDLE: Stainless Steel (AISI 316)

CAM: Stainless Steel (AISI 304)

GASKET: Rubber



No cylinder '00'



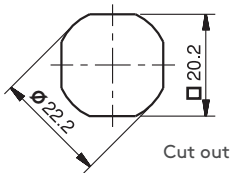
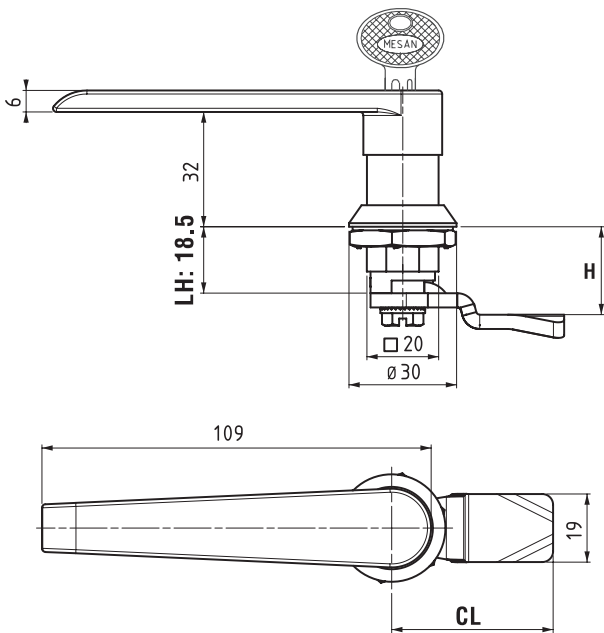
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

For other materials please check:
page 220

For cams please check page: 148

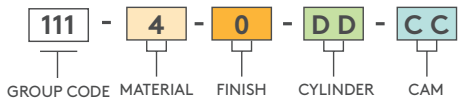
PRODUCT CODE

110 - **4** - **0** - **00** - **CC**
GROUP CODE MATERIAL FINISH CYLINDER CAM



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

PRODUCT CODE



111

QUARTER TURN - T 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'

For other materials please check:
page 221

For cams please check page: 148

STAINLESS STEEL PRODUCTS

QUARTER TURN -WING KNOB

065



IP 65



LH/RH

RoHS



- Quarter turn operation
- All in stainless steel

MATERIAL

HOUSING: Stainless Steel (AISI 316)

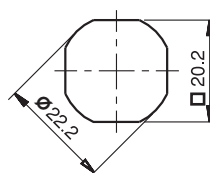
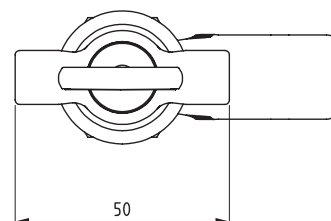
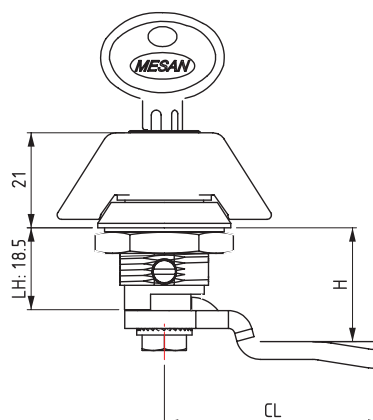
KNOB: Stainless Steel (AISI 316)

CAM: Stainless Steel (AISI 304)

GASKET: Rubber



No cylinder '00'



Cut out

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

For other materials please check:
page 218

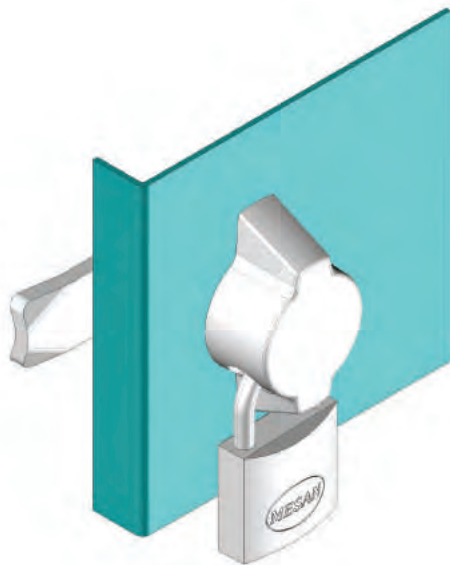
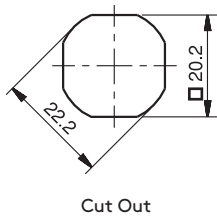
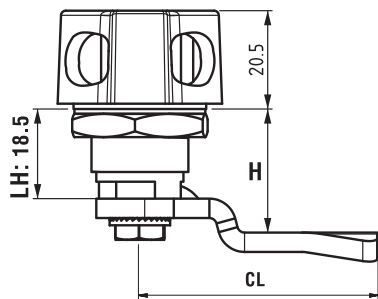


For cams please check page: 148

PRODUCT CODE

065 - 4 - 0 - DD - CC

GROUP CODE MATERIAL FINISH CYLINDER CAM



265

PADLOCKABLE WING KNOB



IP 65



LH/RH

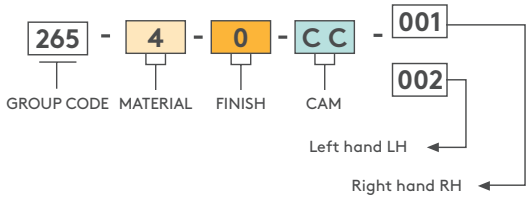
RoHS



- 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

PRODUCT CODE



For cams please check page: 148

QUARTER TURN LOCK

860



IP 65



LH/RH

RoHS



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

APPLICATIONS

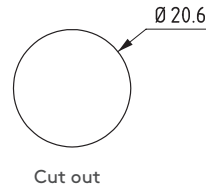
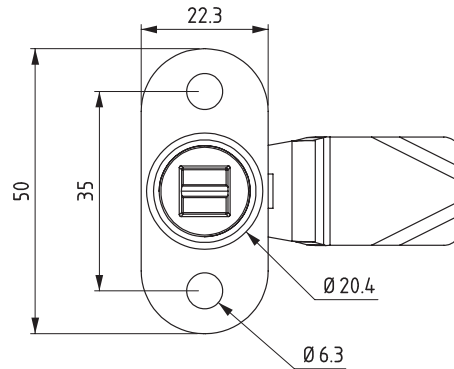
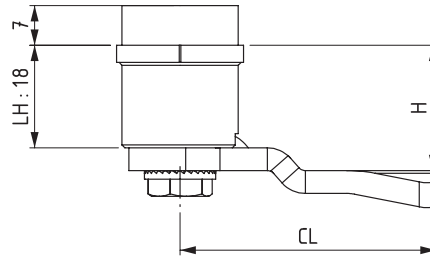
Railway cabinets offroad applications

MATERIAL

HOUSING: Stainless Steel (AISI 316)

DRIVER: Stainless Steel (AISI 316)

CAM: Stainless Steel (AISI 304)



Cut out



PRODUCT CODE

860 - 4 - 0 - DD - CC

GROUP CODE MATERIAL FINISH DRIVER CAM



For cams please check page: 148



For keys please check pages: 162 - 163



For drivers please check pages: 436

042

SCREW LOCK

LH/RH

RoHS



• 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

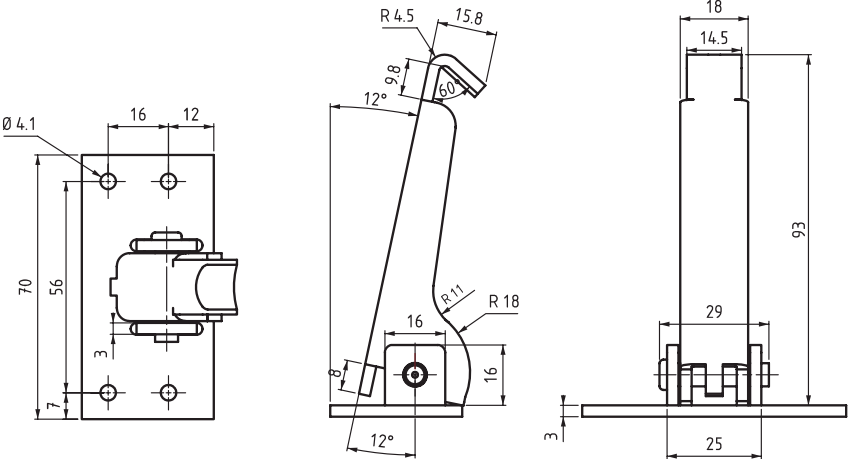
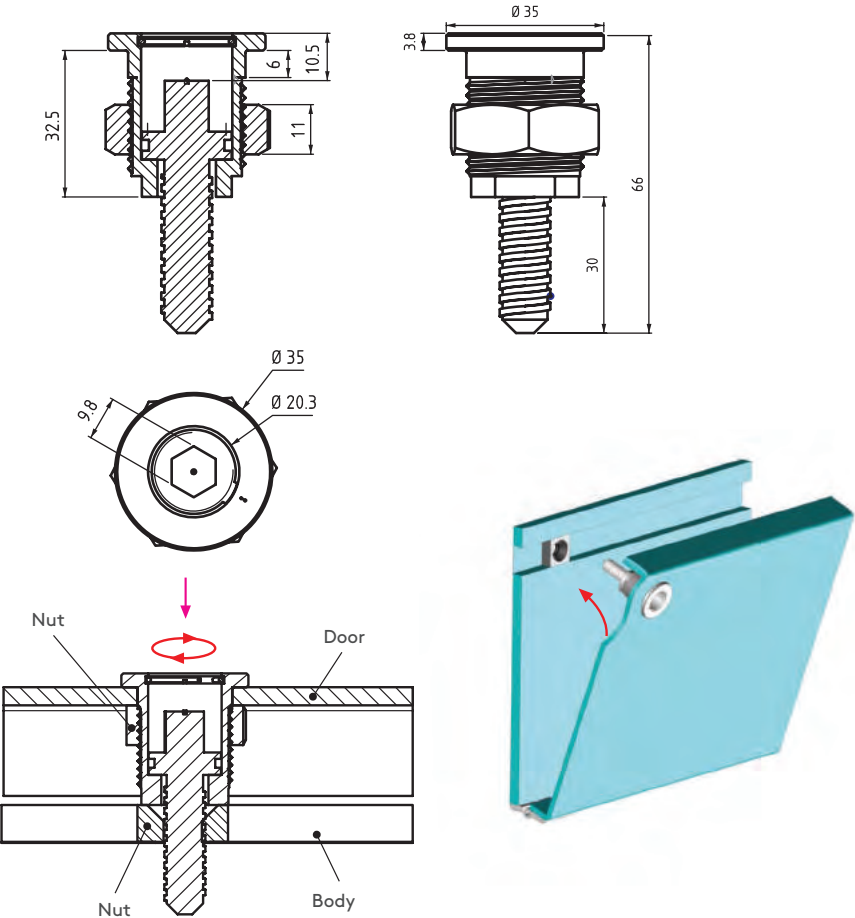
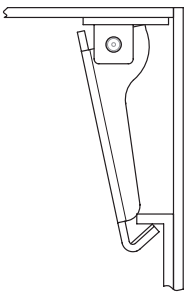
LH/RH

RoHS



APPLICATIONS
Railway cabinets

MATERIAL
Stainless Steel



PRODUCT CODE

042 - 4 - 0
GROUP CODE MATERIAL FINISH

PRODUCT CODE

276 - 4 - 0
GROUP CODE MATERIAL FINISH

STAINLESS STEEL PRODUCTS

CONCEALED HINGE

295



LH/RH



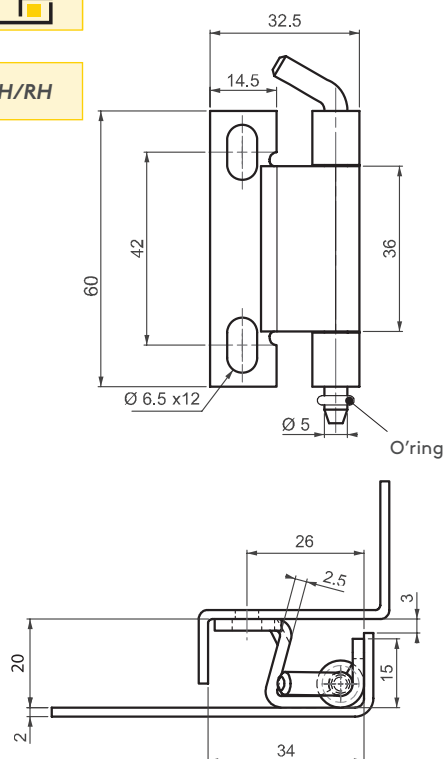
- For doors with a bend of between 20 mm and 24 mm
- Frame part is screwed on, door part is welded on
- Suitable for left- and right-hand application

MATERIAL

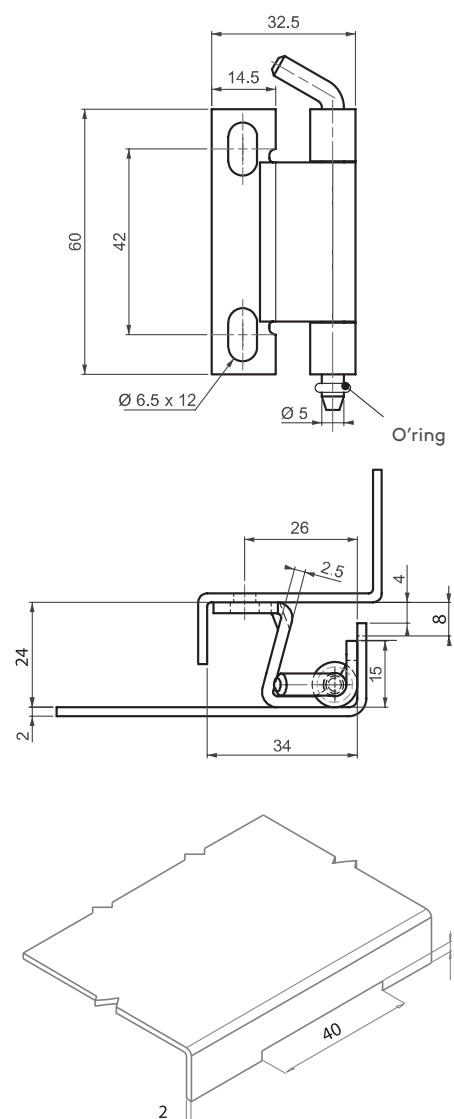
BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)

V :1



V :2



Hinge Rotation Angle

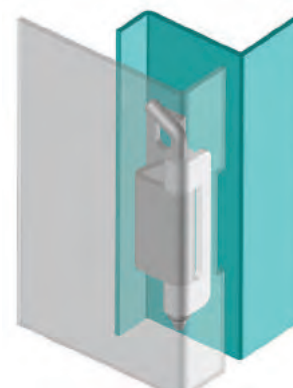
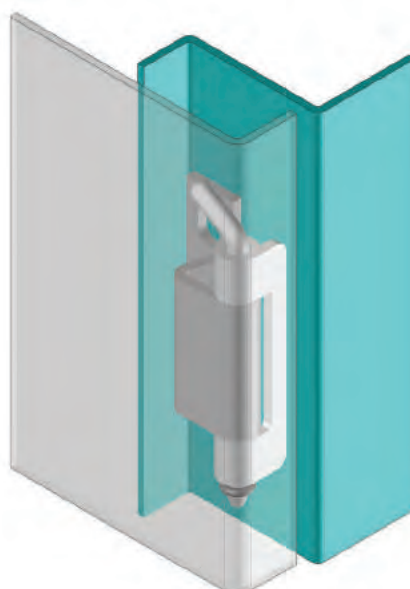


Note: Bolts are not supplied

For other materials please check:
page 282

PRODUCT CODE

295 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION



295

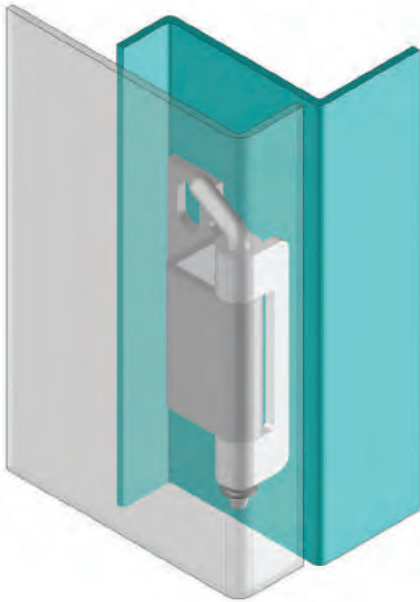
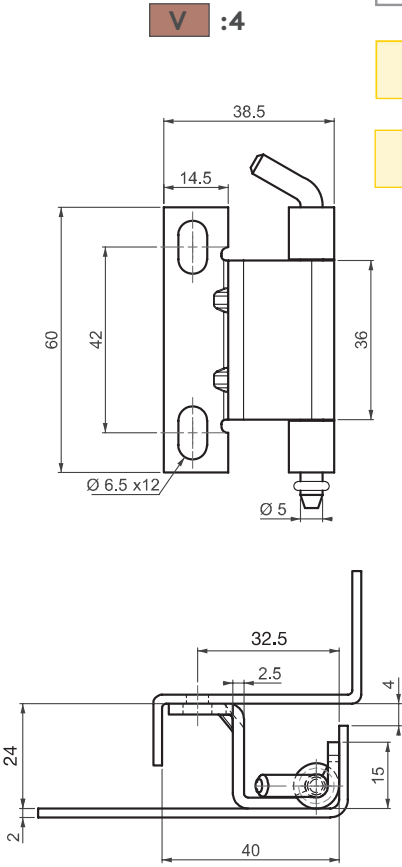
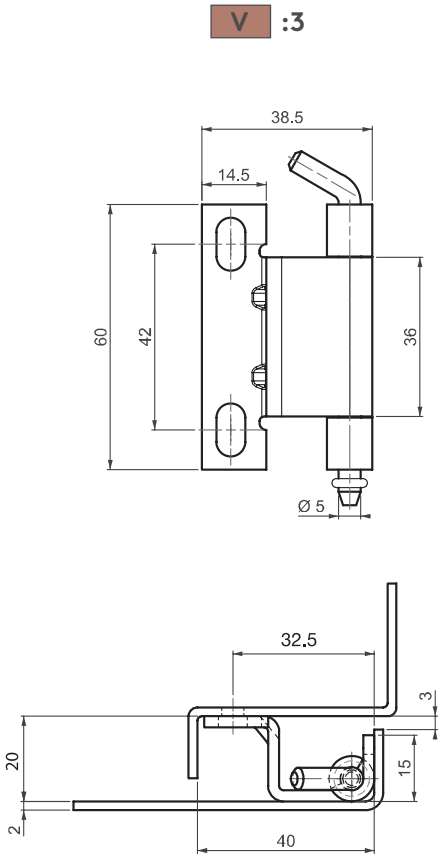
CONCEALED HINGE



LH/RH



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



PRODUCT CODE

295 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

Hinge Rotation Angle



Note: Bolts are not supplied

For other materials please check:
page 283

CONCEALED HINGE

395



LH/RH

- 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)

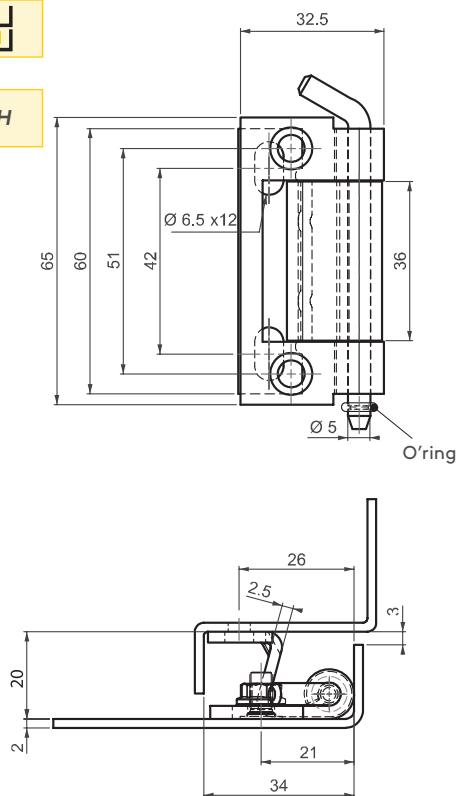
Hinge Rotation Angle



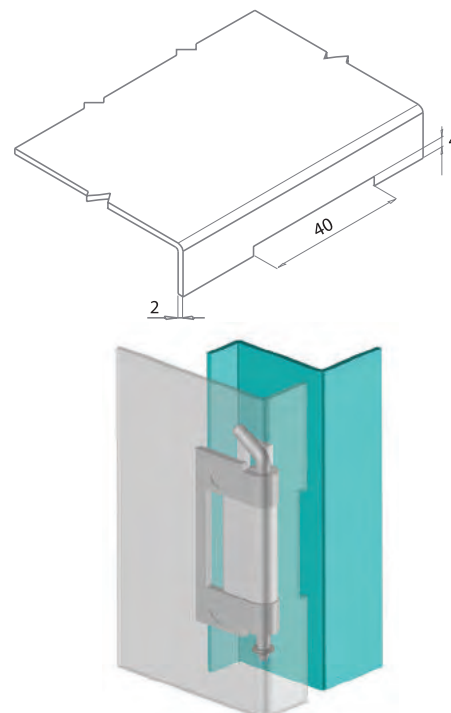
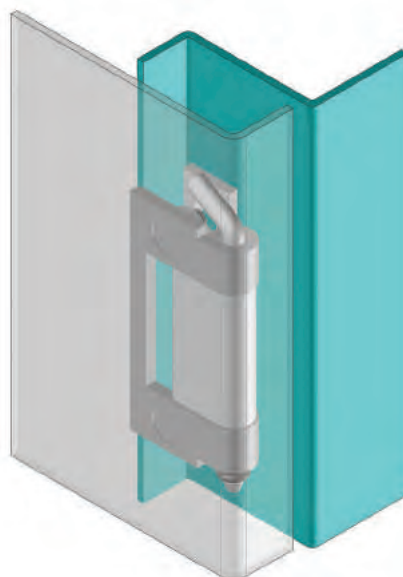
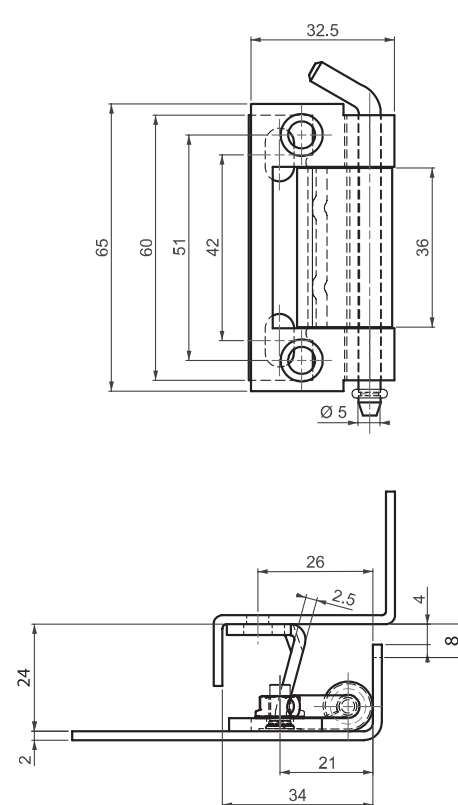
Note: Bolts are not supplied

For other materials please check:
page 284

V :1



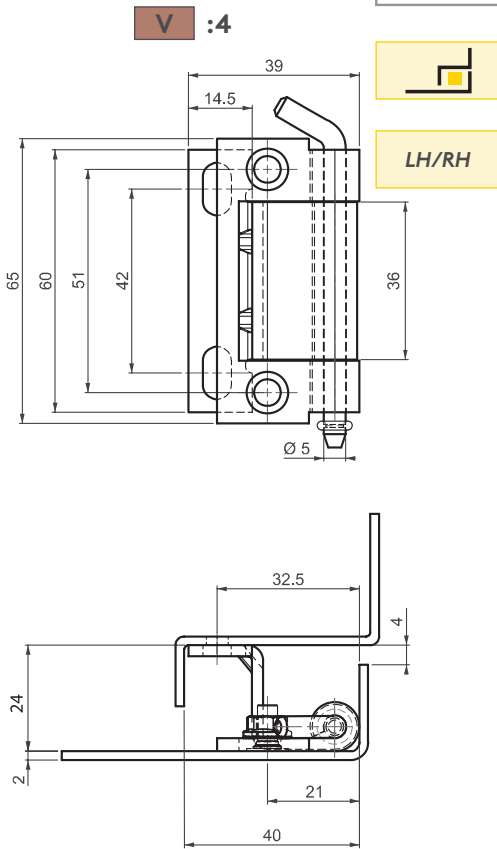
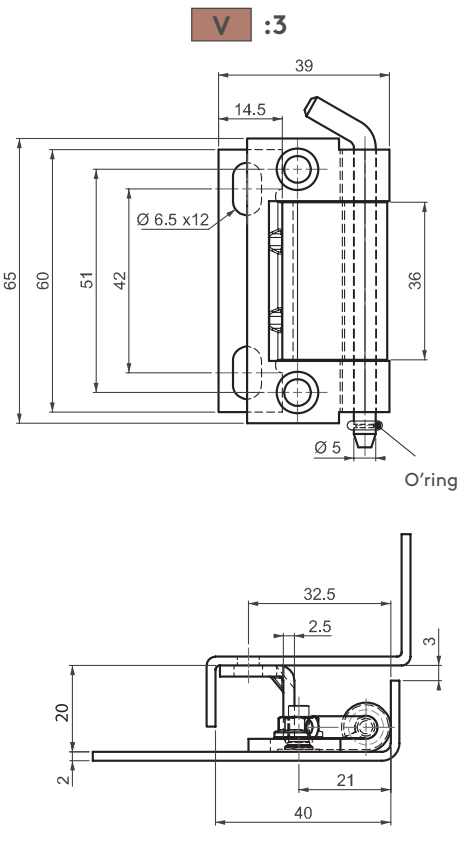
V :2



PRODUCT CODE

395 - 4 - 0 - V

GROUP CODE MATERIAL FINISH VERSION



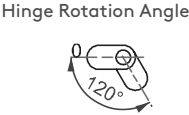
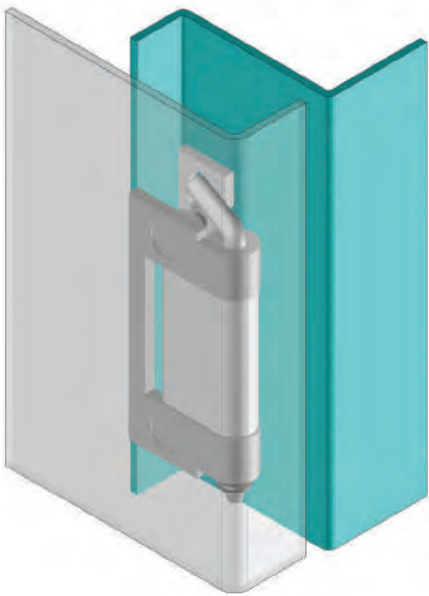
395

LH/RH

CONCEALED HINGE



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



Note: Bolts are not supplied

For other materials please check:
page 285

PRODUCT CODE

395 - **4** - **0** - **V**

GROUP CODE MATERIAL FINISH VERSION

CONCEALED HINGE

695



LH/RH



- 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)

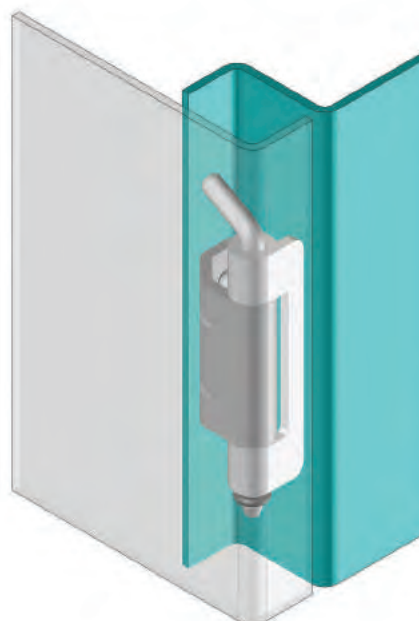
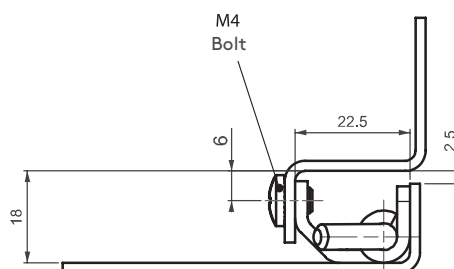
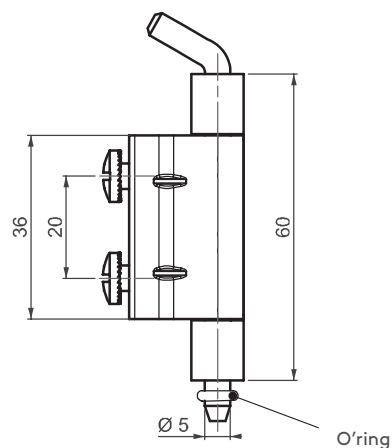
Hinge Rotation Angle



Note: Bolts are supplied

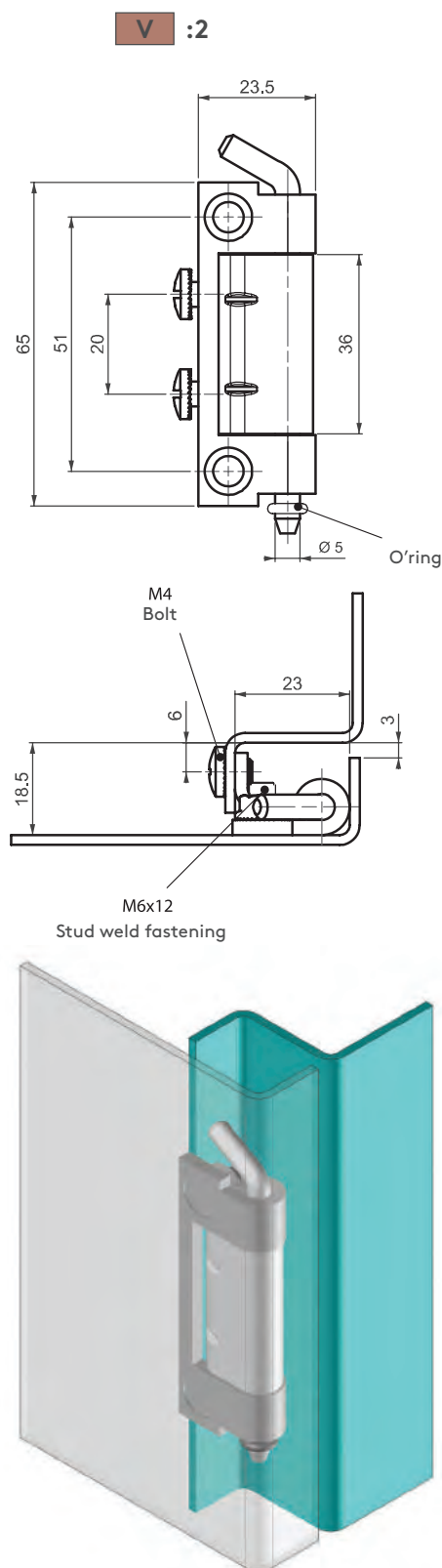
For other materials please check:
page 286

V :1



PRODUCT CODE

695	-	4	-	0	-	1
GROUP CODE		MATERIAL		FINISH		VERSION



695

CONCEALED HINGE



LH/RH



- 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 287

PRODUCT CODE

695 - 4 - 0 - 2

GROUP CODE MATERIAL FINISH VERSION

CONCEALED HINGE

795



LH/RH

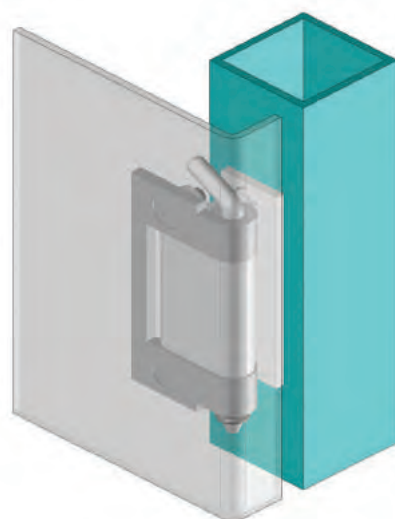
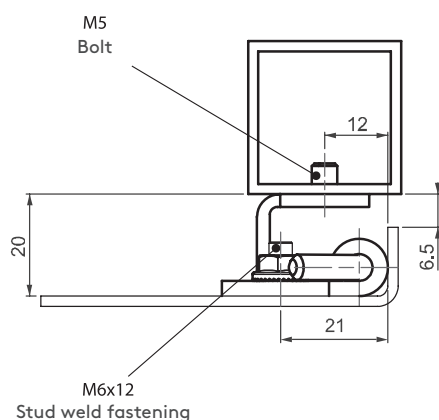
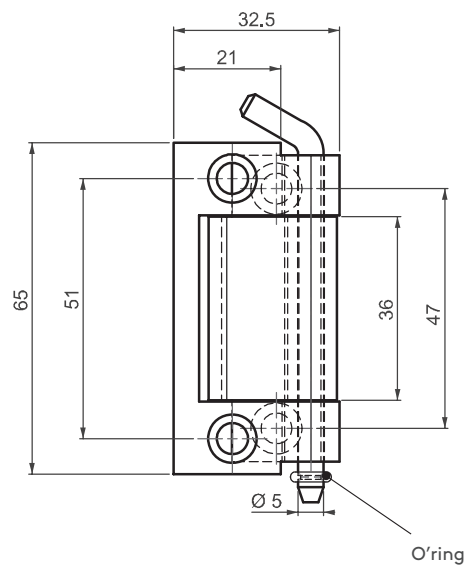


- For doors with a bend of 20 mm to fixed profiles
- Frame part screwed on, door part mounted by nut to welded stud on door
- Suitable for left- and right-hand applications

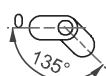
MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)



Hinge Rotation Angle



Note: Bolts are not supplied

For other materials please check:
page 288

PRODUCT CODE

795 - 4 - 0
GROUP CODE MATERIAL FINISH

289

CONCEALED HINGE



LH

RH

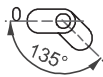


- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Both versions either screwed or welded on
- Suitable for left- and right-hand applications

MATERIAL

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

Hinge Rotation Angle

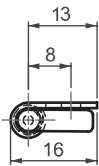
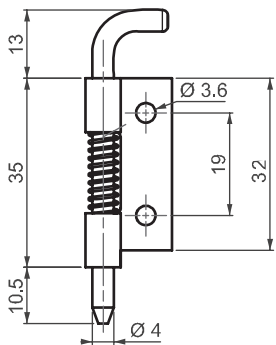


Note: Bolts are not supplied

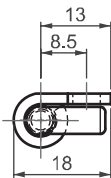
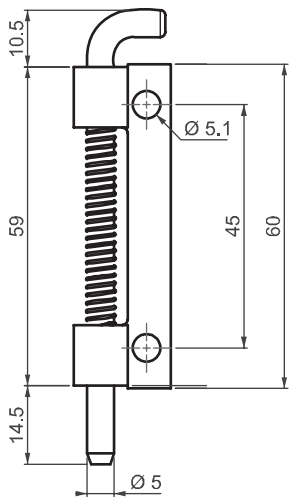
Note: Assembled RH (as drawn)
Assembled LH
(mirror inverted)

For other materials please check:
page 293

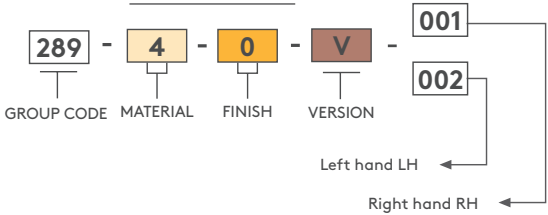
V :1



V :2



PRODUCT CODE



CONCEALED HINGE

095



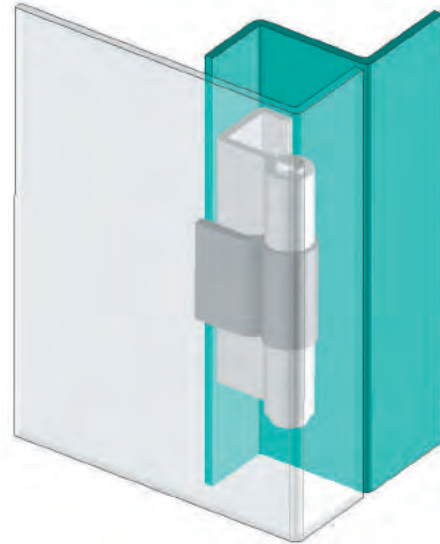
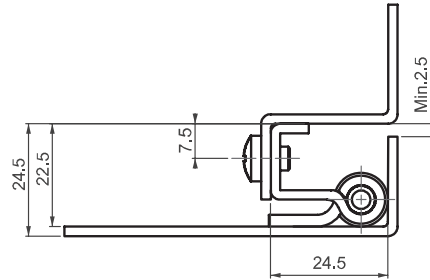
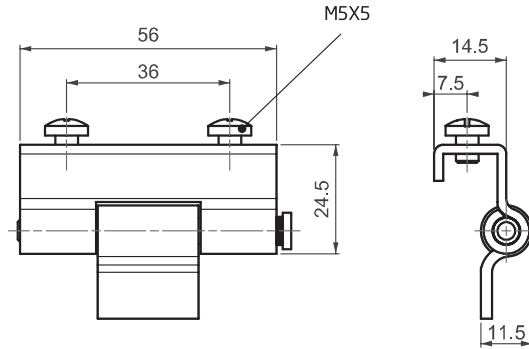
LH/RH



- 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

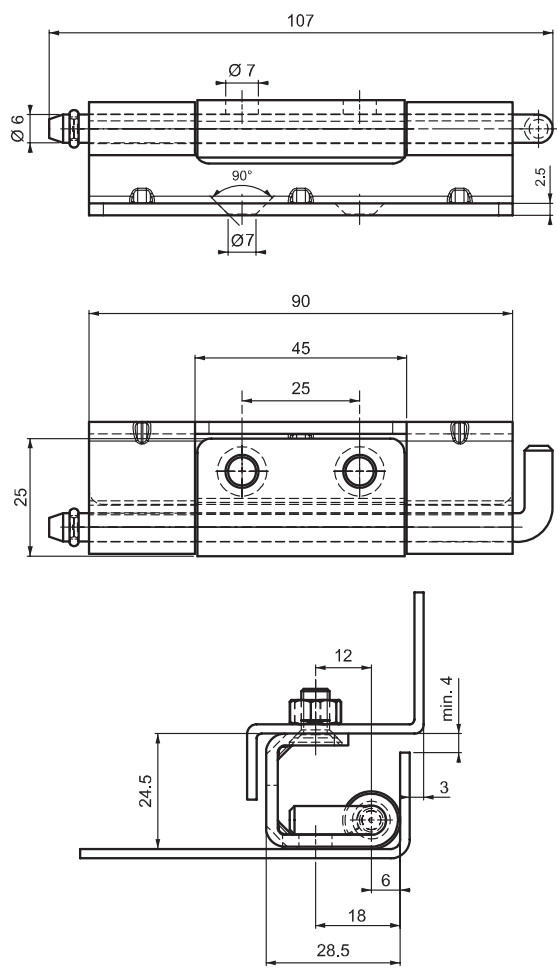


! Note: Bolts are supplied

For other materials please check:
page 274

PRODUCT CODE

095	-	4	-	0	-	1	-	0
GROUP CODE		MATERIAL		FINISH		VERSION		Hole



995

CONCEALED HINGE



LH/RH



- Side part can be mounted with M5 screws
- Centre part copper plated for easy welding
- Suitable for heavy-duty applications
- Suitable for 25 mm door bend cabinets

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

PRODUCT CODE

995 - 4 - 0 - 0
GROUP CODE MATERIAL FINISH Hole

Note: Bolts are not supplied

For other materials please check: page 278

CORNER HINGE

097



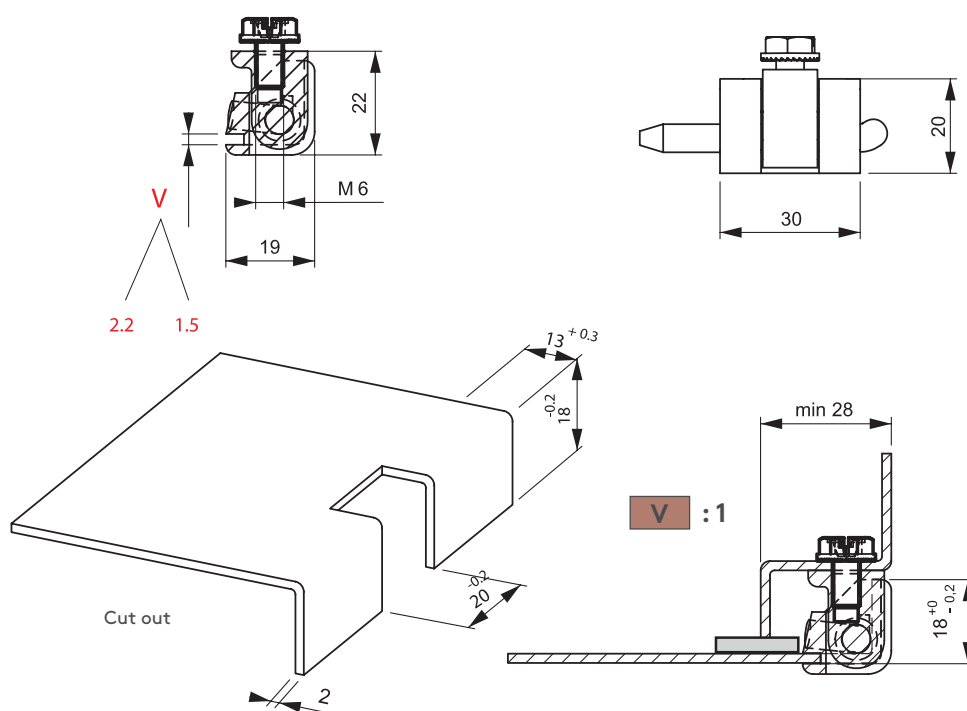
- Corner hinge
- Suitable for steel panels with a thickness of between 1.0 mm and 2.2 mm
- Hinge pin available in three types

APPLICATIONS

Small electric panels

MATERIAL

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



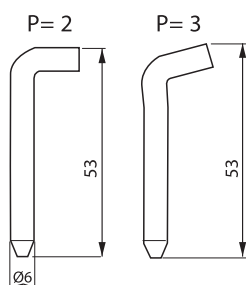
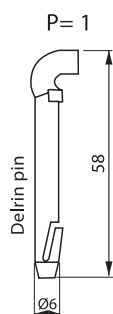
V : 15

For 1.0 mm - 1.2mm thickness panel
(097 4-0-P-15)

V : 22

For 1.5 mm - 2 mm thickness panel
(097 4-0-P-22)

Hinge Rotation Angle

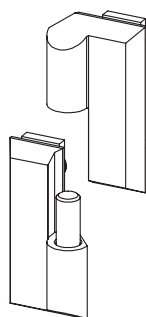
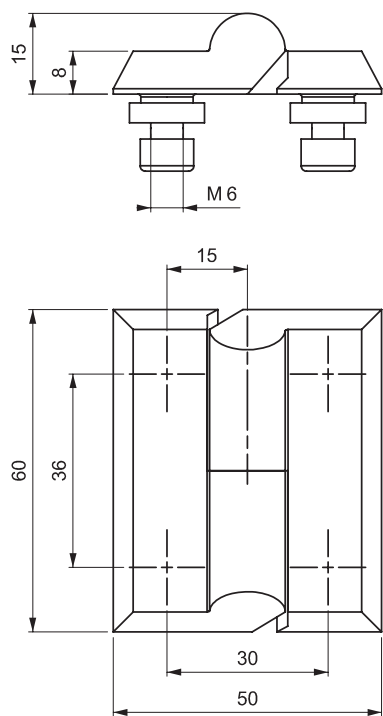


For other materials please check:
page 302



PRODUCT CODE

097 - 4 - 0 - P - V
GROUP CODE MATERIAL FINISH PIN VERSION



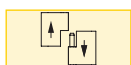
3599

LIFT-OFF HINGE



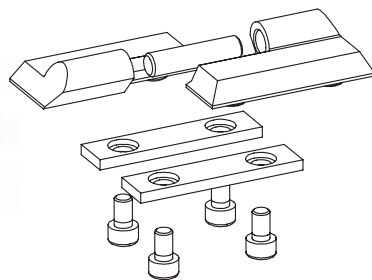
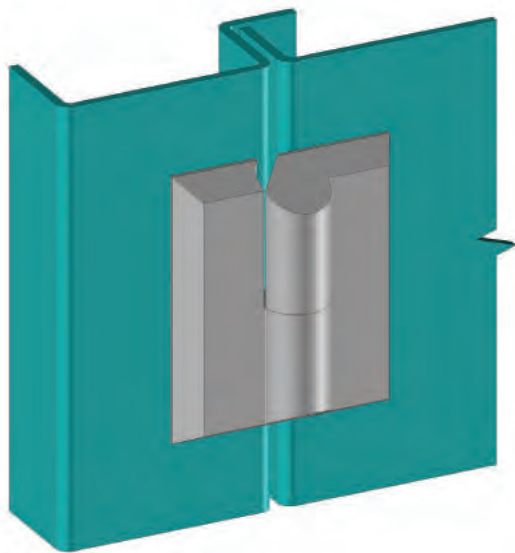
LH

RH

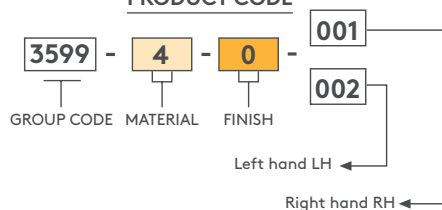


- Concealed mounting screws prevent external access to hinge
- Designed for plain/flush-mounted doors
- Suitable for left- and right-hand applications

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



PRODUCT CODE



STAINLESS STEEL PRODUCTS

LEAF HINGE

600



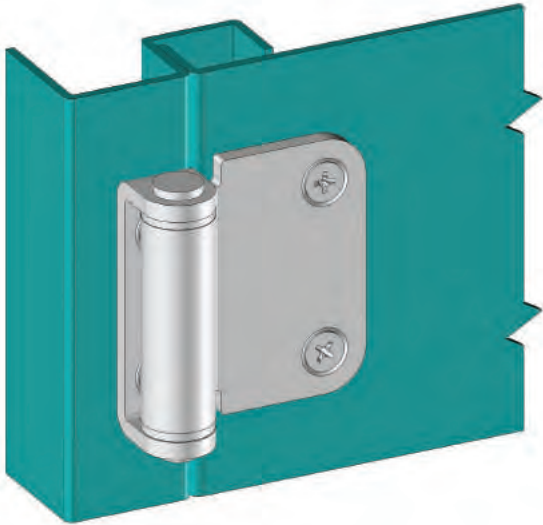
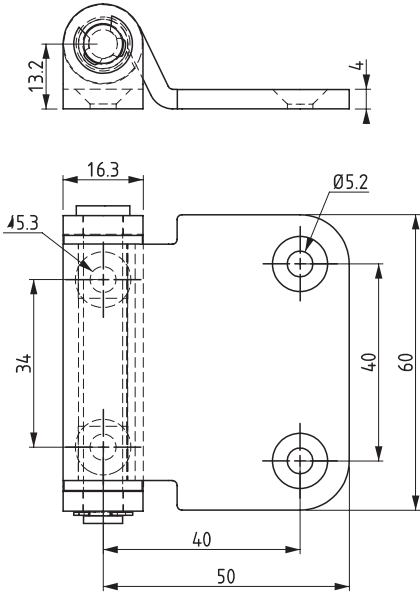
LH/RH

- Designed for plain/flush-mounted doors.

MATERIAL

BODY: Stainless Steel (AISI 316)

PIN: Stainless Steel (AISI 303)



Hinge Rotation Angle



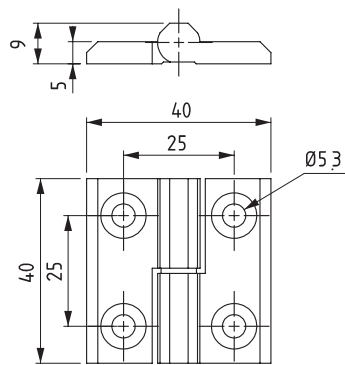
For other materials please check:
page 351

PRODUCT CODE

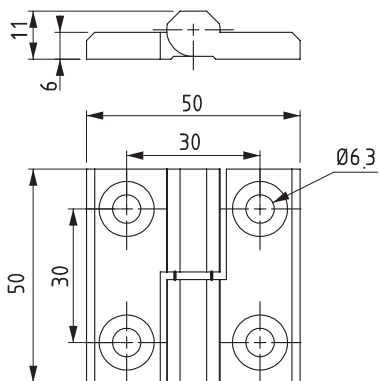
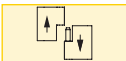
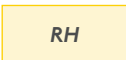
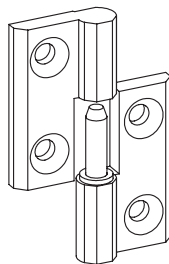
600 - 4 - 0 - 00 - 3

GROUP CODE MATERIAL FINISH HEIGHT VERSION

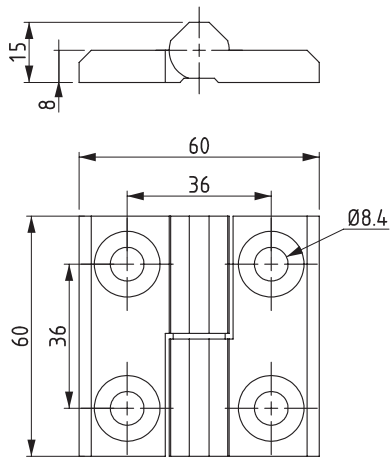
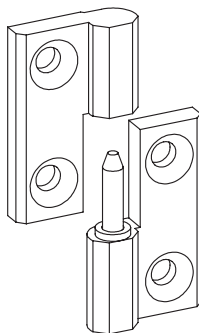
LIFT-OFF HINGE



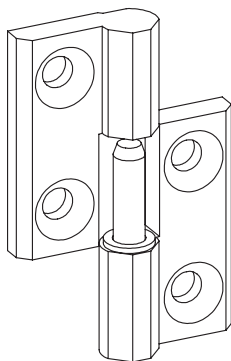
GROUP CODE: 3299



GROUP CODE: 3099



GROUP CODE: 3399



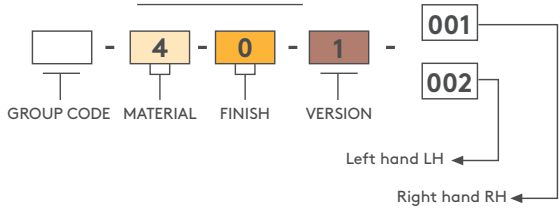
- Lift off hinge
- Suitable for left- and right-hand applications
- Opening angle 270°

MATERIAL
Stainless Steel (AISI 316)

Hinge Rotation Angle



PRODUCT CODE



STAINLESS STEEL PRODUCTS

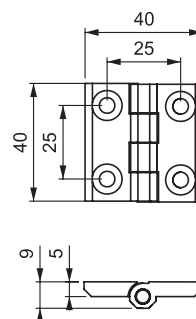
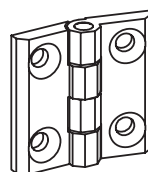
LEAF HINGE

299



LH/RH

V : 3



PRODUCT CODE

299 - 4 - 0 - 3
GROUP CODE MATERIAL FINISH VERSION

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

MATERIAL

Stainless Steel (AISI 316)

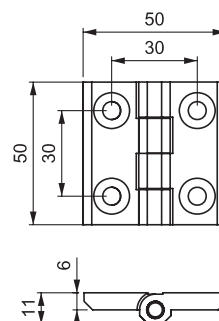
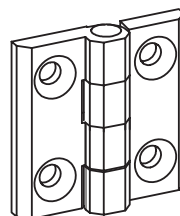
LEAF HINGE

099

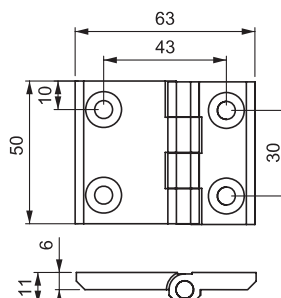
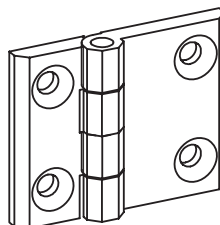


LH/RH

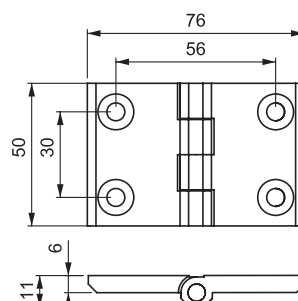
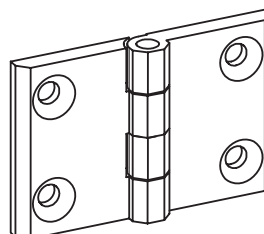
V : 4



V : 7



V : 10



PRODUCT CODE

099 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

Hinge Rotation Angle

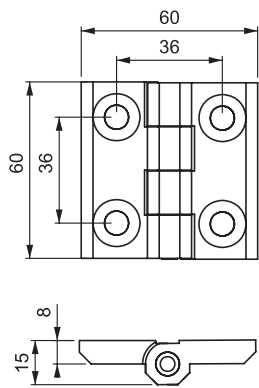
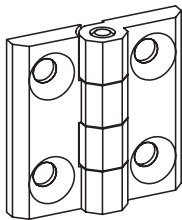


For other materials please check:
page 326

399

LEAF HINGE

V : 4



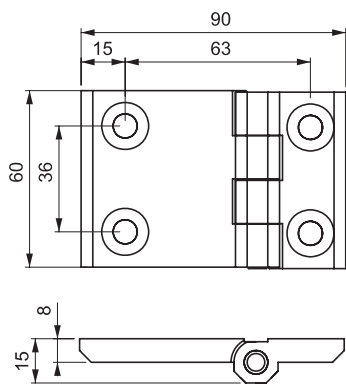
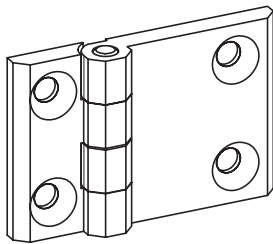
LH/RH



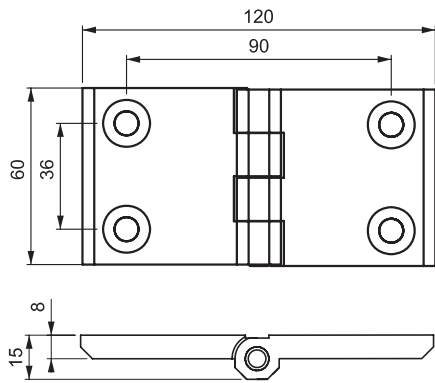
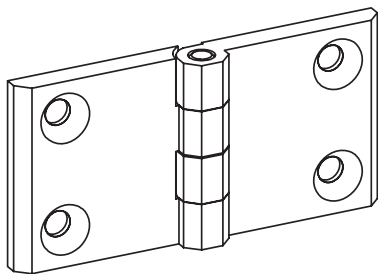
- Generally used for plain / flush-mounted, isolated heavy doors
- Available in three sizes, hole fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm
- Maximum hinge rotation 270°

MATERIAL
Stainless Steel (AISI 316)

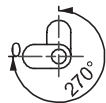
V : 5



V : 6



Hinge Rotation Angle



PRODUCT CODE

399 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

For other materials please check:
page 328



STAINLESS STEEL PRODUCTS

LEAF HINGE

099



LH/RH

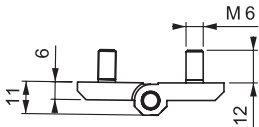
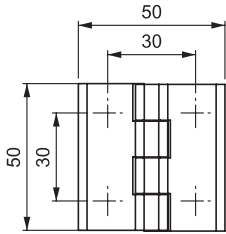
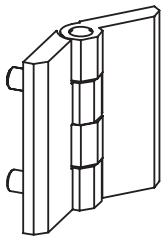


- Generally used for plain/flush mounted doors
- Maximum hinge rotation 270°
- Stud versions fitted with M6 x 12 mm threaded stud

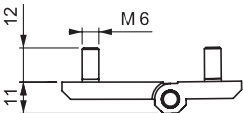
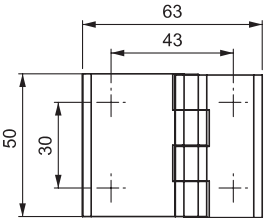
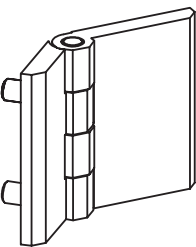
MATERIAL

Stainless Steel (AISI 316)

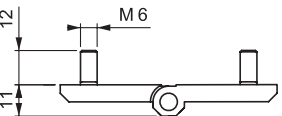
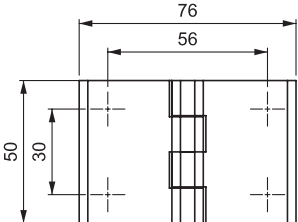
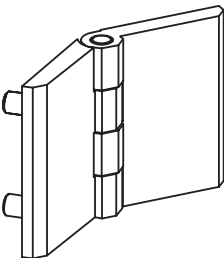
V : 1



V : 8



V : 9



Hinge Rotation Angle



For other materials please check:
page 326

PRODUCT CODE

099 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

399

LEAF HINGE



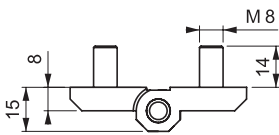
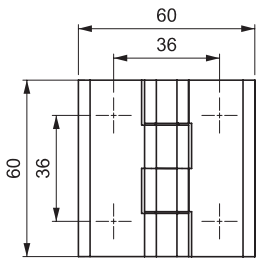
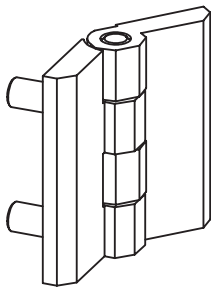
LH/RH



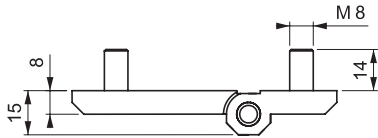
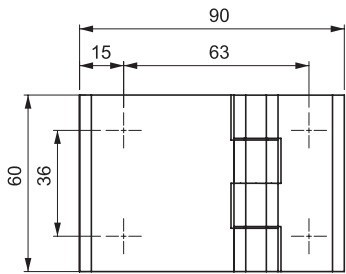
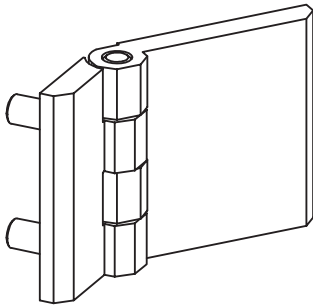
- Generally used for plain/flush-mounted, isolated heavy doors
- Available in three sizes, stud fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm
- Stud versions fitted with M8 x 14 mm threaded stud
- Maximum hinge rotation 270°

MATERIAL
Stainless Steel (AISI 316)

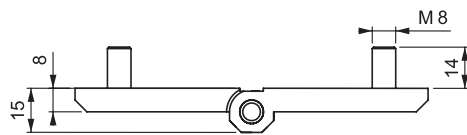
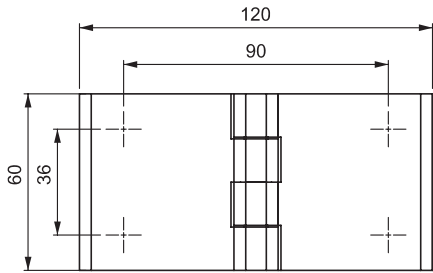
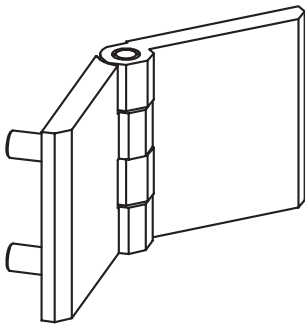
V :1



V :2



V :3



Hinge Rotation Angle



PRODUCT CODE

399 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

For other materials please check:
page 328

LEAF HINGE

599



LH/RH

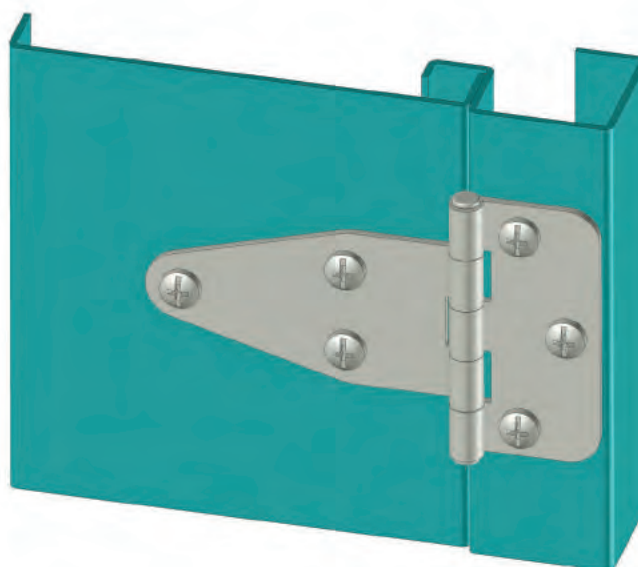
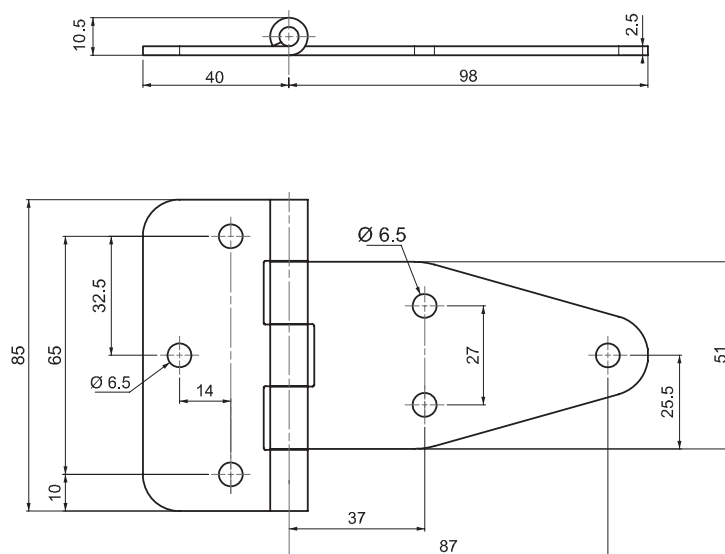


- Generally used for plain/flush-mounted, isolated, heavy doors
- Both parts attached by screws or nuts and bolts
- Hinge Rotation angle 180°

MATERIAL

BODY: Stainless Steel (AISI 304)

PIN: Stainless Steel (AISI 303)



Hinge Rotation Angle



For other materials please check:
page 337

PRODUCT CODE

599 - 4 - 0

GROUP CODE MATERIAL FINISH

799

LEAF HINGE

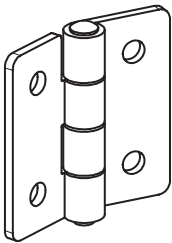


LH/RH

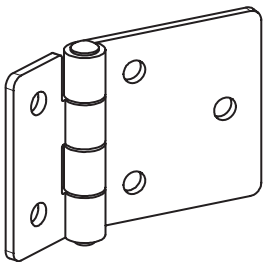
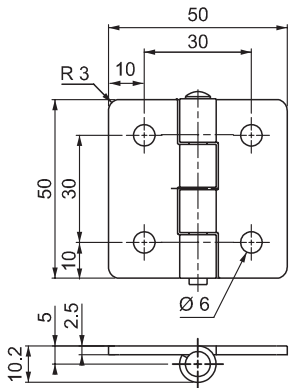


- Generally used for plain/flush-mounted, isolated, heavy doors

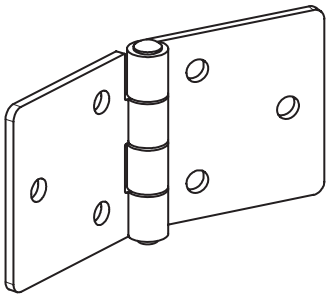
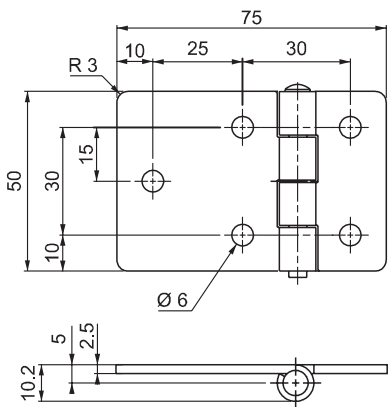
MATERIAL
BODY: Stainless Steel (AISI 304)
PIN: Stainless Steel (AISI 303)



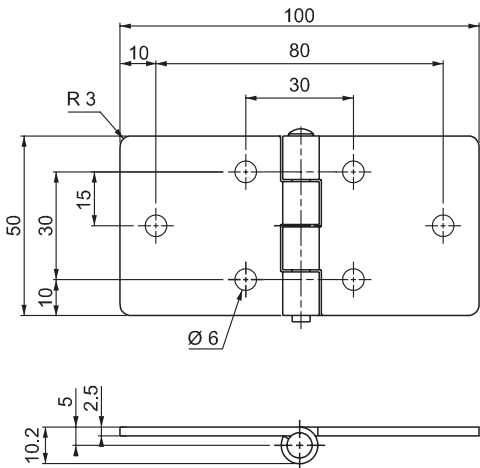
V :1



V :2



V :3



Hinge Rotation Angle



PRODUCT CODE

799 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

For other materials please check:
page 340

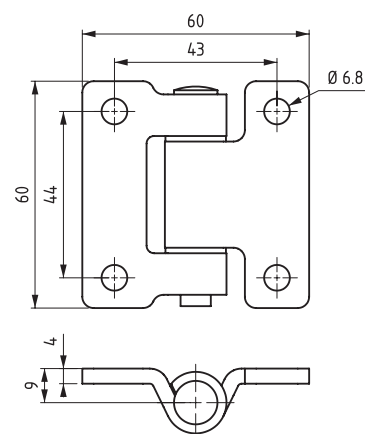
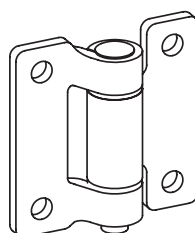
LEAF HINGE

1599



LH/RH

V :1

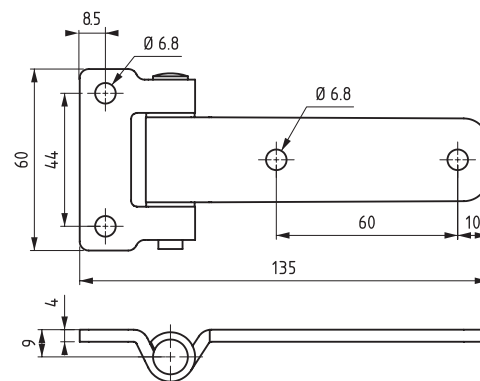
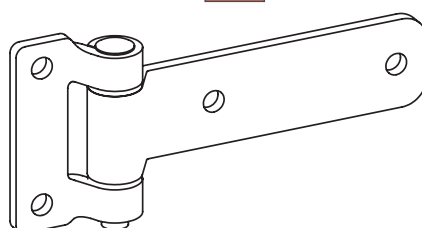


- Generally, used for plain/flush mounted, isolated, heavy doors.
- Both parts are attached by screws or nuts and bolts
- Hinge Rotation angle is 180°

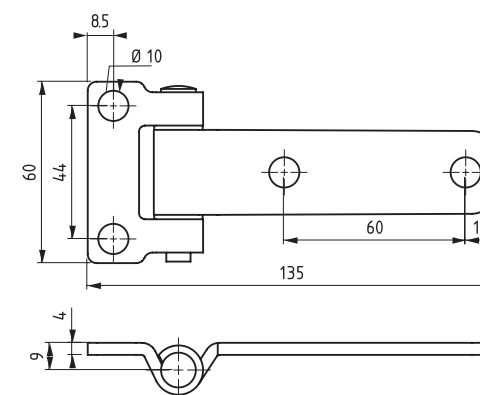
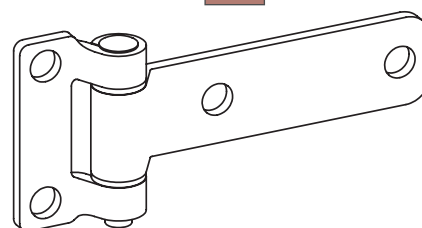
MATERIAL

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

V :2

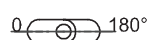


V :3



For other materials please check: page 338

Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

1599 - 4 - 0 - V

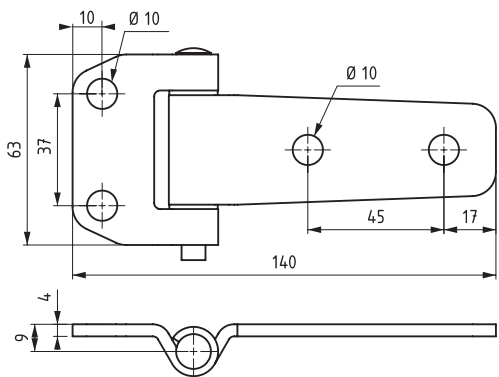
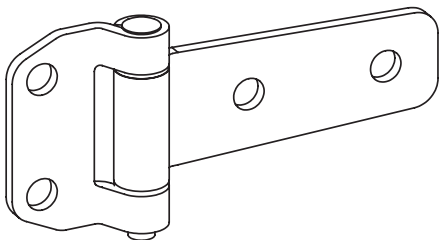
GROUP CODE MATERIAL FINISH VERSION

1599

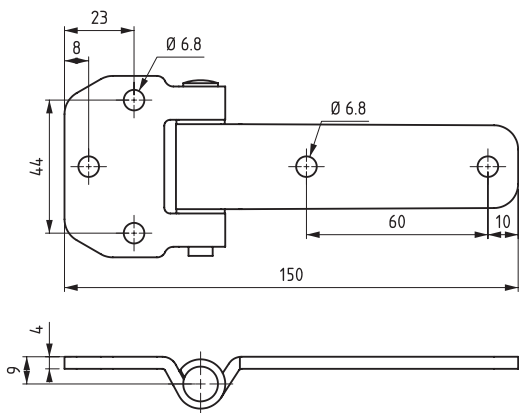
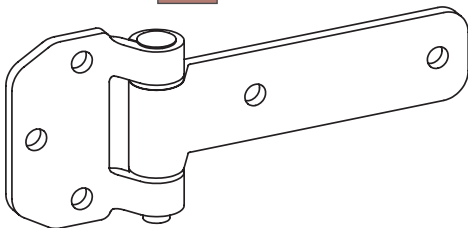
LEAF HINGE

New

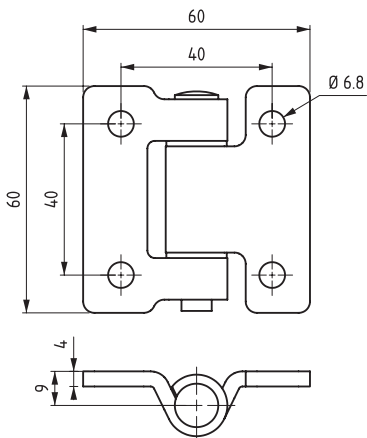
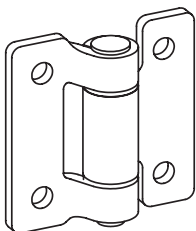
V : 4



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 339

Hinge Rotation Angle



Note: Bolts are not supplied

PRODUCT CODE

1599 - 4 - 0 - V
GROUP CODE MATERIAL FINISH VERSION

STAINLESS STEEL PRODUCTS

LEAF HINGE (Lift-off)

899



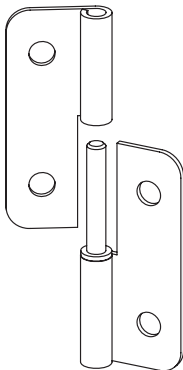
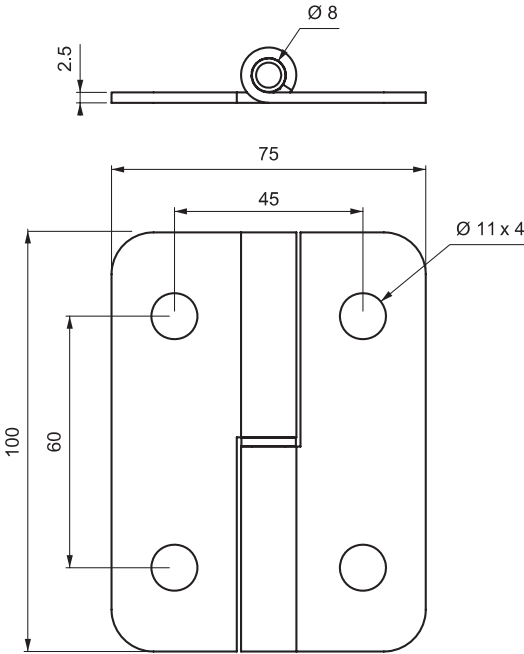
LH

RH



- 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)



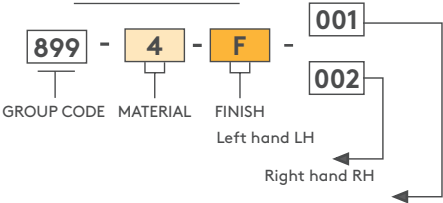
For other materials please check:
 page 335

Hinge Rotation Angle

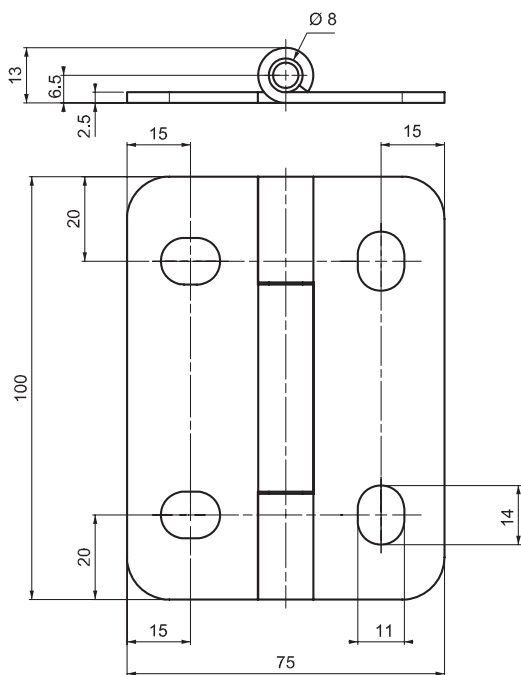


Note: Bolts are not supplied

PRODUCT CODE



FINISH	F
No finish	0
Black coated	2



999

LEAF HINGE (Lift-off)



LH/RH



- 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)

PRODUCT CODE

999 - 4 - F
GROUP CODE MATERIAL FINISH

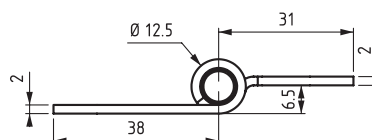
FINISH	F
No finish	0
Black coated	2

Hinge Rotation Angle



Note: Bolts are not supplied

- ## MATERIAL

[illegible]

A diagram of a unit circle centered at the origin of a Cartesian coordinate system. The circle is labeled with '0' at the positive x-axis and '180°' at the negative x-axis. A point is marked on the circle at the negative x-axis, corresponding to 180 degrees.

**PRODUCT CODE**

2999

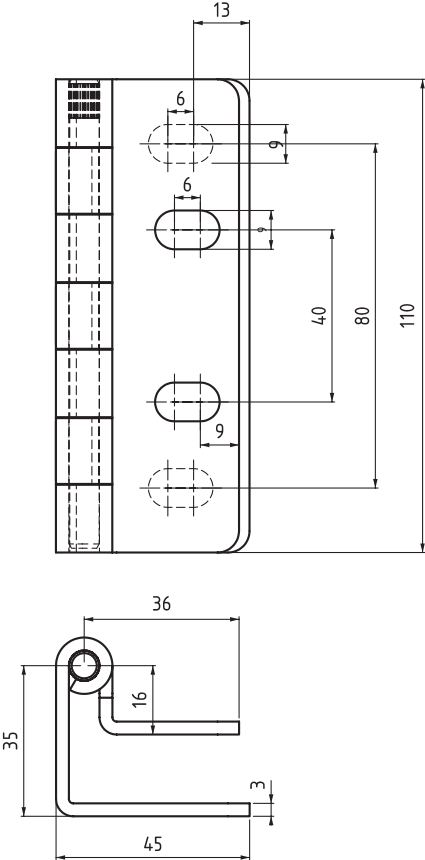
4

0

GROUP CODE

MATERIAL

FINISH



2890

CONCEALED HINGE



LH/RH



- Suitable for outdoor applications
- Heavy-duty hinge

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

PRODUCT CODE

2890 - 4 - 0
GROUP CODE MATERIAL FINISH

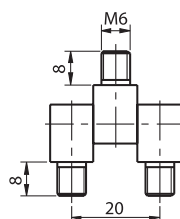
STAINLESS STEEL PRODUCTS

SIDE HINGE (10 mm)

090

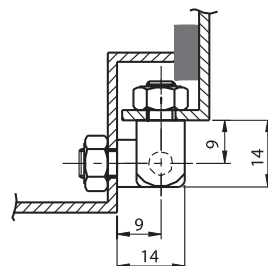


LH/RH



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)

PRODUCT CODE

090 - 4 - 0

GROUP CODE MATERIAL FINISH

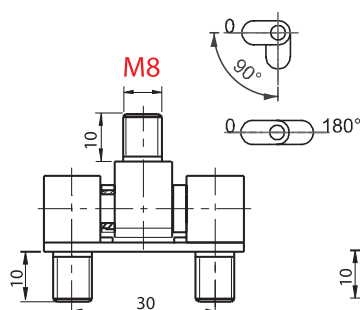
SIDE HINGE (12 mm)

092

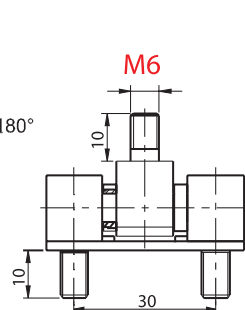


LH/RH

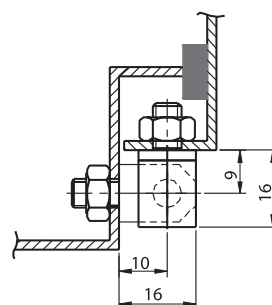
Hinge Rotation Angle



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

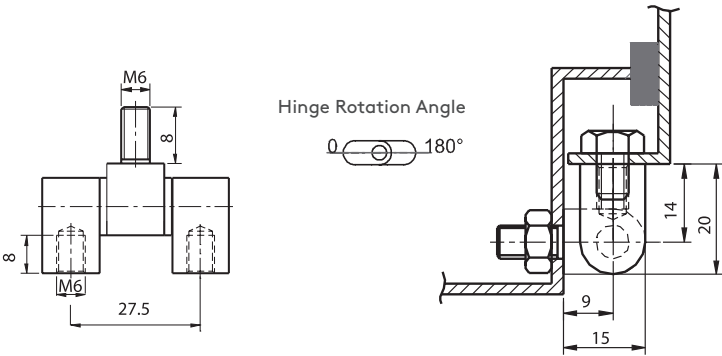
Stainless Steel (AISI 303/304)

PRODUCT CODE

092 - 4 - 0

GROUP CODE MATERIAL FINISH

For other materials please check:
page 254



PRODUCT CODE

192 - 4 - 0
GROUP CODE MATERIAL FINISH

192

SIDE HINGE (12 mm)

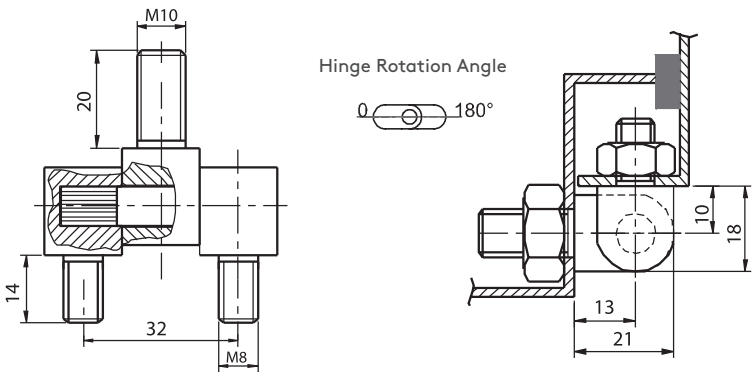


LH/RH



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

MATERIAL
Stainless Steel (AISI 303/304)



PRODUCT CODE

193 - 4 - 0
GROUP CODE MATERIAL FINISH

193

SIDE HINGE (16 mm)



LH/RH



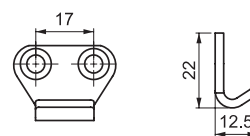
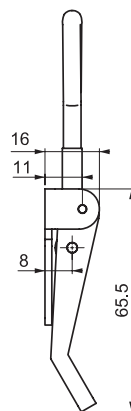
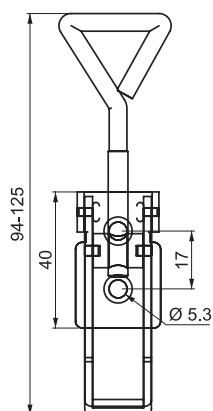
- Side-mounted hinge
- 16 mm parts made of stainless steel
- Parts are tightly fitted.

MATERIAL
Stainless Steel (AISI 303/304)

For other materials please check:
page 255

TOGGLE LATCH

340.00.134



Catch plate

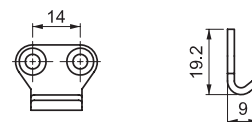
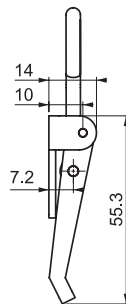
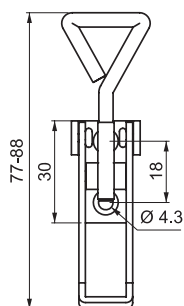
- Used for: tool boxes, cabinets, ships, agriculture and material equipments

MATERIAL

Stainless Steel (AISI 304)

TOGGLE LATCH

340.00.132



Catch plate

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

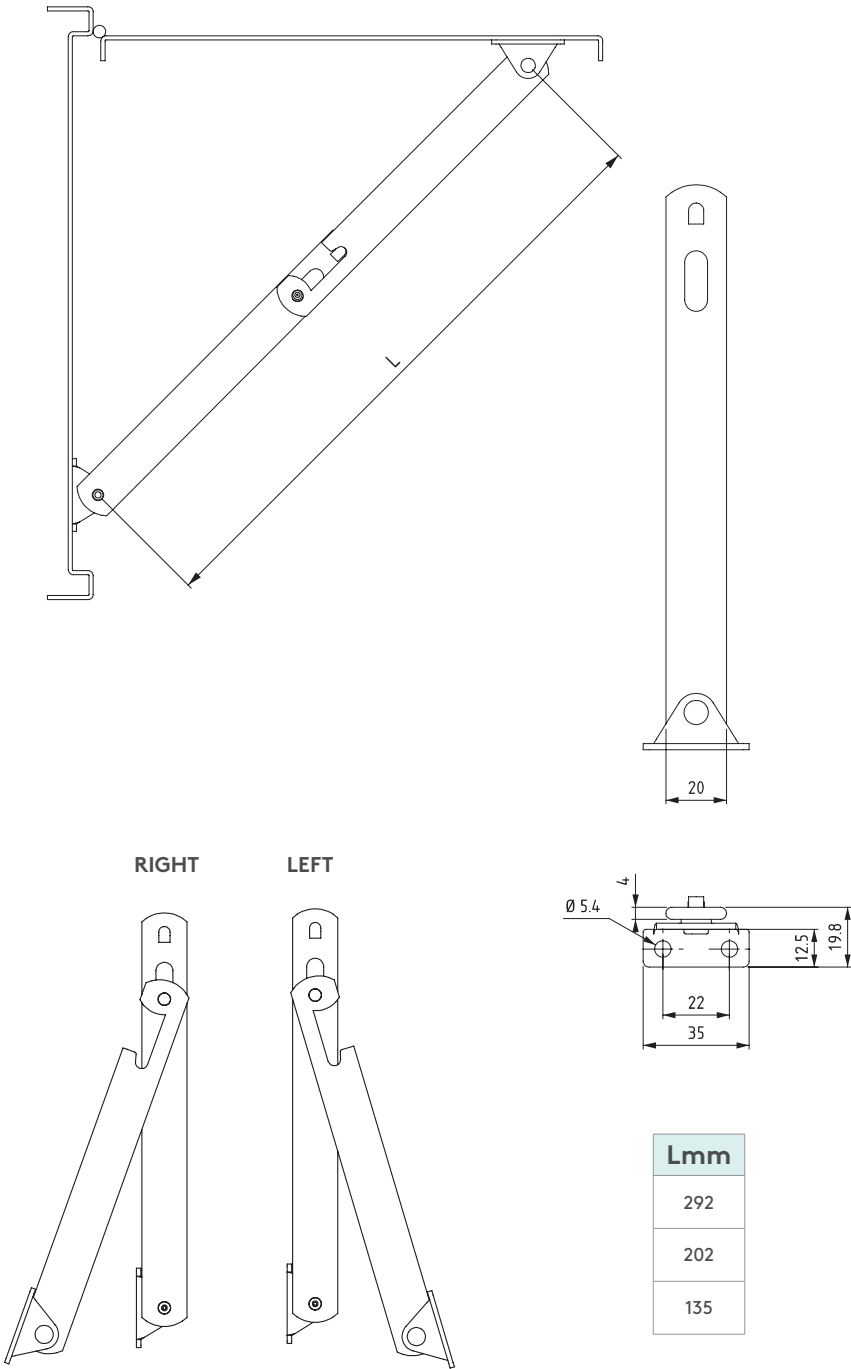
MATERIAL

Stainless Steel (AISI 304)

For other materials please check:
page 404

279

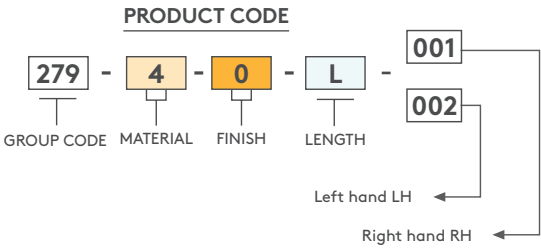
COVER STAY



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

MATERIAL
Stainless Steel (AISI 304)

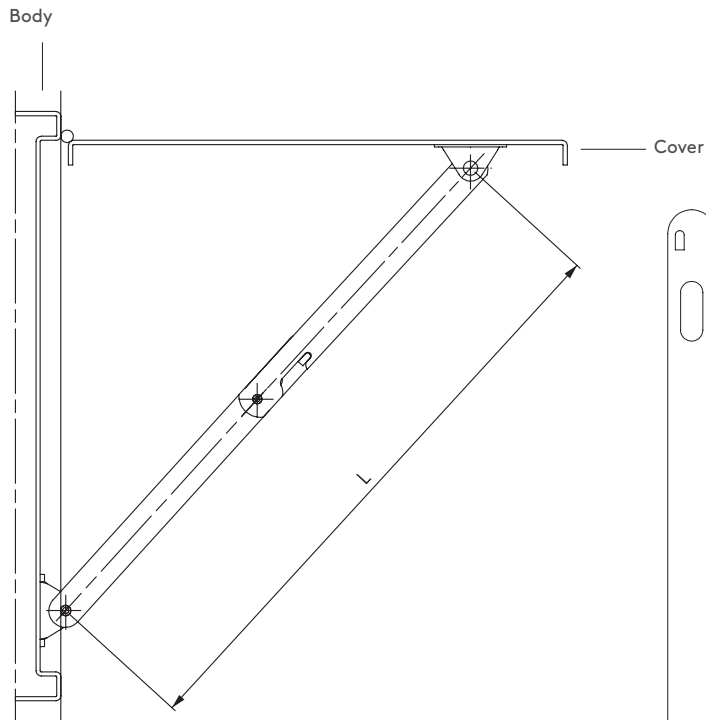
Lmm
292
202
135



For other materials please check: page 411

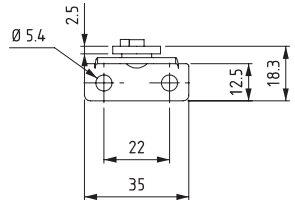
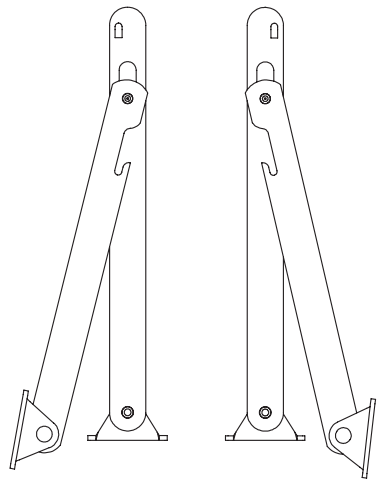
COVER STAY

079



LEFT

RIGHT



Lmm

292

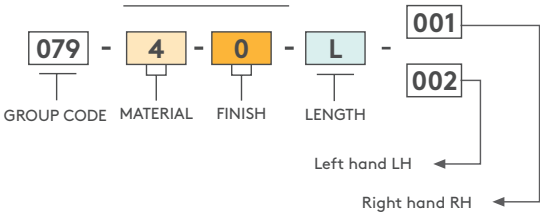
202

135

MATERIAL
Stainless Steel (AISI 304)

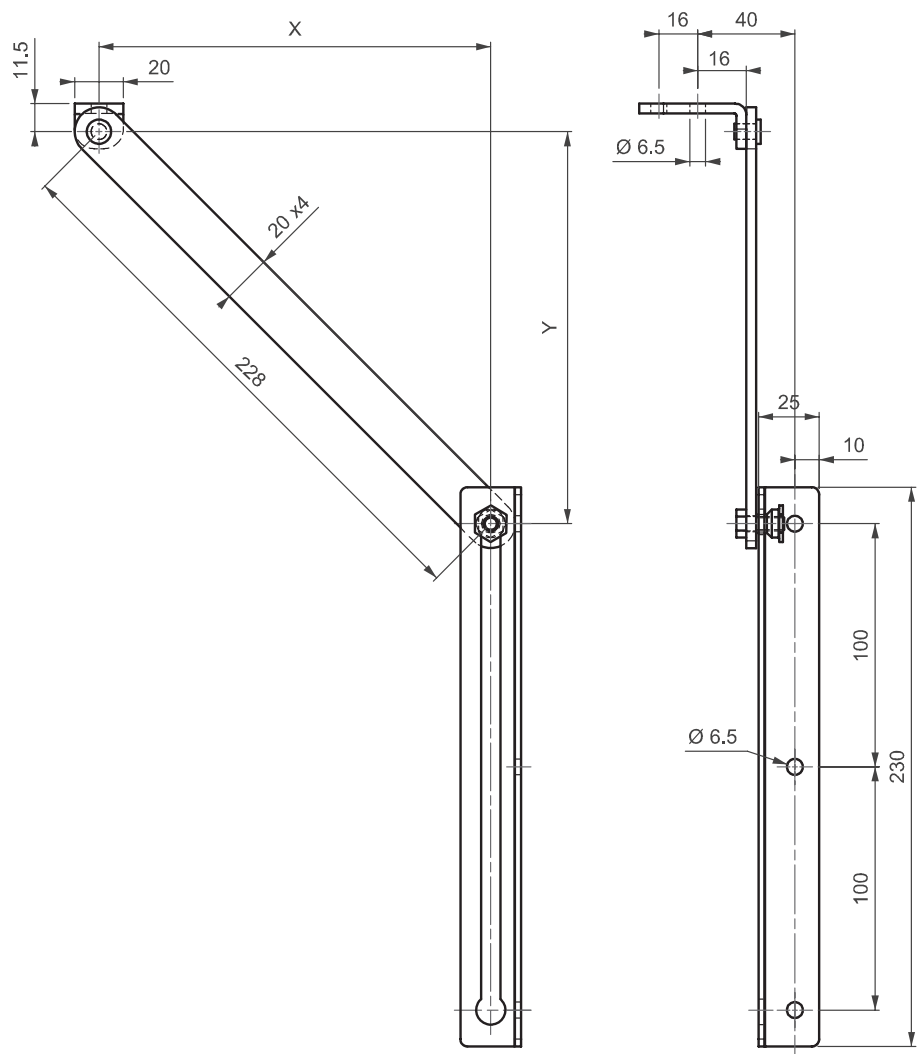
For other materials please check:
page 412

PRODUCT CODE



179

COVER STAY



Installation dimensions

OPENING ANGLE	DIMENSIONS		MINIMAL DOOR WIDTH
	X	Y	
140°	140	180	403
120°	120	166	389
110°	110	150	373
100°	100	146	369

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



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

MATERIAL
Stainless Steel (AISI 304)

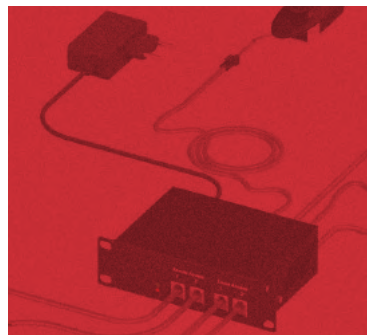
PRODUCT CODE

179 - 4 - 0
GROUP CODE MATERIAL FINISH

For other materials please check:
page 413

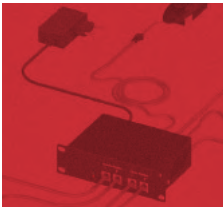


ELECTRONIC LOCKING SYSTEM



ELECTRONIC LOCKING SYSTEM

GROUP CODE	PRODUCT NAME
3401	MAIN CONTROL UNIT (MCU)
3403	ACCESS CONTROL UNIT (ACU PLUS)
3402	ACCESS CONTROL UNIT (ACU)
3416	STANDALONE ACCESS INTERFACE (S-AIK) - KEYPAD
3417	STANDALONE ACCESS INTERFACE (S-AIP) - PROXIMITY
3414	ACCESS INTERFACE (AIK) - KEYPAD
3415	ACCESS INTERFACE (AIP) - PROXIMITY
	ACCESSORIES
340.0.26XX	ANALOG SENSORS
3101	ELECTRONIC SWINGHANDLE
3102	ELECTRONIC SWINGHANDLE
3103	ELECTRONIC SWINGHANDLE
3104	ELECTRONIC SWINGHANDLE
3105	ELECTRONIC SWINGHANDLE
3106	ELECTRONIC SWINGHANDLE
3341	ELECTRONIC KEEPER
3311	SOLENOID LOCK
3202	ELECTRONIC CABINET LOCK
3203	ELECTRONIC CABINET LOCK
3201	ELECTRONIC CABINET LOCK
3301	ELECTRONIC CABINET LOCK



ESSENTRA

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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



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

Standalone Access Interfaces



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

Electronic Swinghandles



Other Electromechanical Locks



ELECTRONIC LOCKING SYSTEM

MCU - MAIN CONTROL UNIT

3401



The main control unit is an intelligent device for monitoring environmental variations, such as temperature, humidity, smoke, presence of water or liquids, etc. When a sensor goes out of range of a configurable threshold, the unit will notify you via email or network management.

- Monitors and manages environmental and security conditions over IP
- Management software for monitoring and configuring the unit
- Creates alert with customized input parameters
- Alerts are sent using email when any monitored environmental condition exceeds a user-specified range
- Works with a wide range of sensors
- Control of physical access to the rack cabinet
- User database
- Up to two AIs (3414 and 3415) can be connected to MCU.

MANAGEMENT SOFTWARE

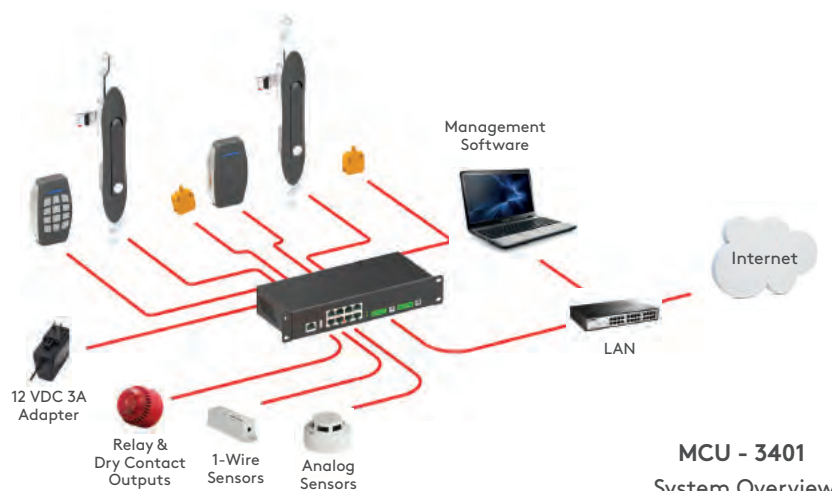
- Configure sensor thresholds, set automatic operation and alarm rules
- Monitor current sensor values and alarm status
- Configure network settings (IP address, subnet mask, default gateway, DNS, etc.) and user-administrative settings
- Add and remove users
- View and delete the logs

APPLICATIONS

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



- | | |
|------------------------------|--|
| 1 ▶ Ethernet port 10/100 | 7 ▶ 2 x electronic swinghandles (3101, 3102, 3103, 3104) |
| 2 ▶ USB 2.0 | 8 ▶ Power input (12VDC 3A) |
| 3 ▶ 8 x analog sensor inputs | 9 ▶ 4 x relay outputs (10A) |
| 4 ▶ LED indicators | 10 ▶ 2 x dry contact outputs (2A) |
| 5 ▶ 2 x access interfaces | 11 ▶ 8 x dry contact inputs |
| 6 ▶ 2 x lock outputs | 12 ▶ 1 - wire sensor port |



MCU - 3401
System Overview

Relay Outputs

- 4 x relay outputs to control, switch on/off external devices such as fan, etc.
- Outputs can be used as a NO (Normally Open) or NC (Normally Closed).

Dry Contact Outputs

- 2 x dry contact outputs to control, switch on/off external low power devices.
- Outputs 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 such as detecting the state of the door (open/closed)

Analog Sensors

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

1 - Wire Sensors

- 1 - wire sensor output to monitor environmental conditions.
- Possible to connect DS18B20 and DS1190 1 - wire sensors.

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.

Swinghandles

- 2 x electronic swinghandles to control physical access to the cabinet.
- Possible to connect electronic swinghandles 3101, 3102, 3103 and 3104.



3403



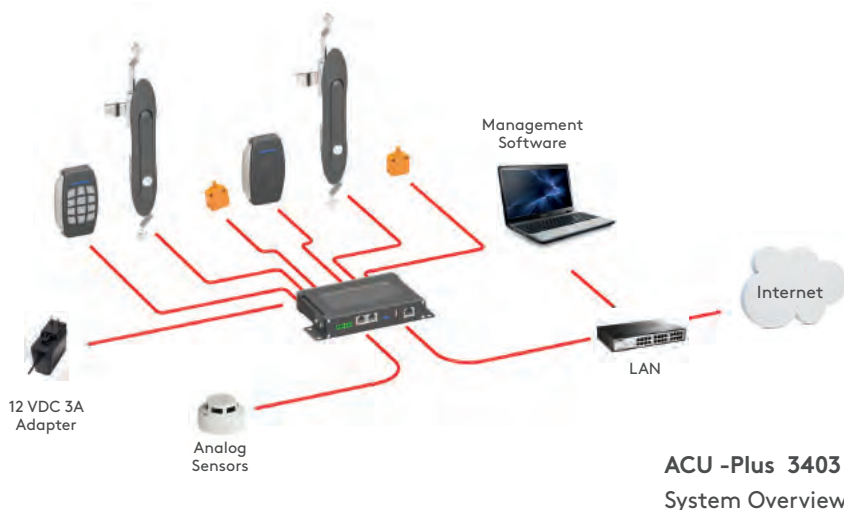
ACU PLUS ACCESS CONTROL UNIT



- | | |
|-----------------------------|---|
| 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 ▶ 2 x access interface inputs |
| 4 ▶ LED indicator | 9 ▶ 2 x lock outputs |
| 5 ▶ USB 2.0 | 10 ▶ 2 x electronic swinghandles (3101, 3102, 3103, 3104) |

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 two AIs (3414 and 3415) can be connected to ACU Plus.



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.

Swinghandles

- 2 x electronic swinghandles to control physical access to the cabinet.
- Possible to connect electronic swinghandles 3101, 3102, 3103 and 3104.

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

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 two 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 | 5 ▶ 2 x access interface inputs |
| 2 ▶ USB 2.0 | 6 ▶ 2 x lock outputs |
| 3 ▶ Ethernet port 10/100 | 7 ▶ 2 x dry contact inputs |
| 4 ▶ Power input (12VDC 3A) | 8 ▶ 2 x electronic swinghandles (3101, 3102, 3103, 3104) |



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

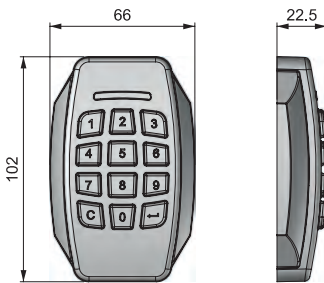
- 2 x access interface inputs allow access by entering a code number or presenting a proximity card.
- Possible to connect 3414 - AIK and 3415 - AIP devices.

Lock Outputs

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

Swinghandles

- 2 x electronic swinghandles to control physical access to the cabinet
- Possible to connect electronic swinghandles 3101, 3102, 3103 and 3104.

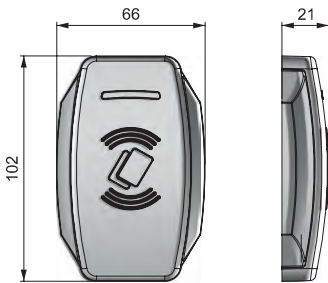


12 VDC 1A Adapter

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 monitoring and access control units (MCU - 3401, 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.



Electronic swinghandle
connection cable (4 meter)
(34030006)

- Used to connect ELECTRONIC SWINGHANDLES to standalone access interfaces and monitoring and access control units
- The same connectors are crimped both ends of the cable.



Electronic swinghandle
connection cable (0.4 meter)
(34030039)

- Used to connect ELECTRONIC SWINGHANDLES 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 status with integrated reed switch.
- Capable to inform handle position with integrated micro switch.
- Provides opportunity to work mechanically or electronically by changing the rear cover.
- Capable to inform faulty situations with integrated micro switches.

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;

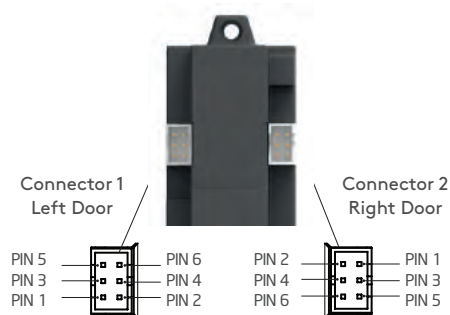
PIN 1- GND
 PIN 2- +12V
 PIN 3- Door Position Sensor
 PIN 4- Error Signal
 PIN 5- Control Signal
 PIN 6- Handle Position Sensor



ELECTRONIC REAR COVER



PIN DETAILS



Both connectors have the same function.

Electronic swinghandle connection cable



The same connectors are crimped both ends of the cable.

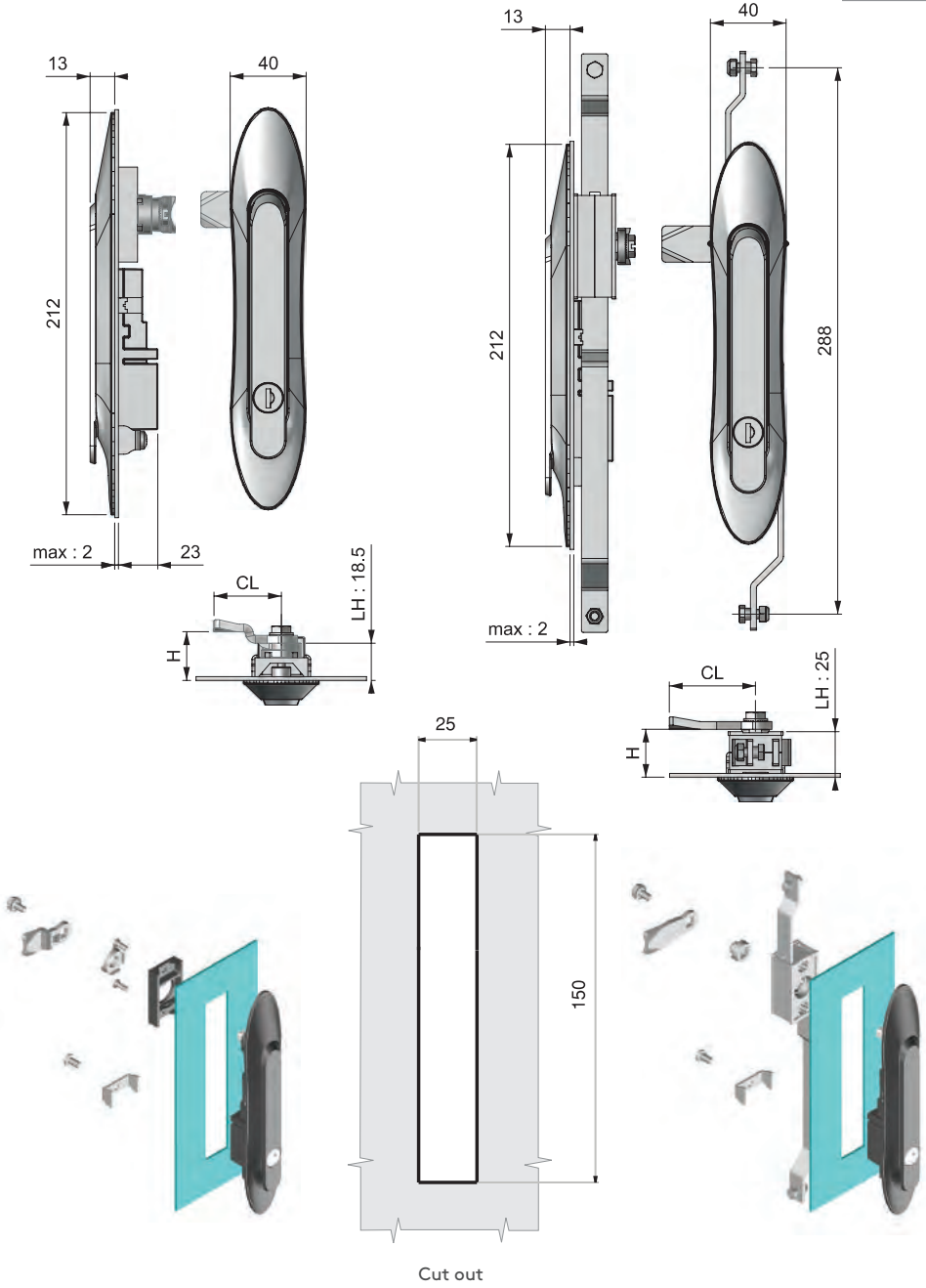
3101

3102

3102

ELECTRONIC SWINGHANDLE

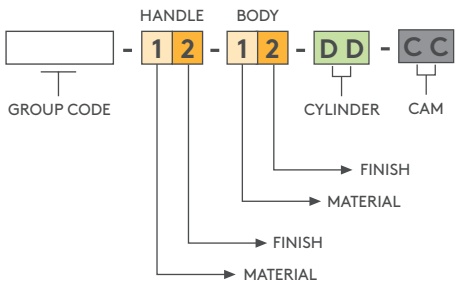
ALL IN METAL



- All metal construction.
- Compatible with access control systems.
- Ability to work mechanically in case of power outage.
- Elegant design.
- Capable to inform door status with integrated reed switch.
- Capable to inform handle position with integrated micro switch.
- Provides opportunity to work mechanically or electronically by changing the rear cover.
- Capable to inform faulty situations with integrated micro switches.

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

For cams and rods, please check
► Page: 146 -150



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- Door Position Sensor
- PIN 4- Error Signal
- 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.

- Compatible with access control systems.
- Ability to work mechanically in case of power outage.
- In case of emergency can be opened mechanically
- Capable to inform door status with integrated reed switch.
- Capable to inform handle position with integrated micro switch.
- Provides opportunity to work mechanically or electronically by changing the rear cover.
- Capable to inform faulty situations with integrated micro switches.
- LED indicators

MATERIALS

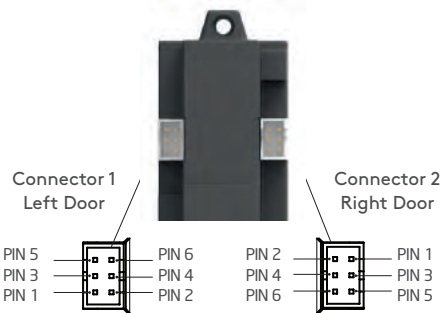
- BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
- CAM: Steel



ELECTRONIC REAR COVER



PIN DETAILS



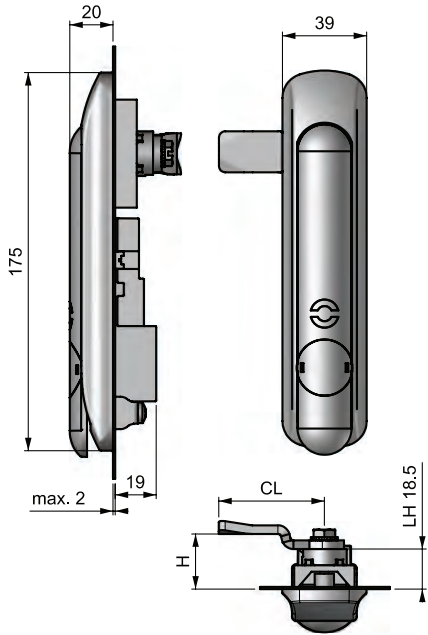
Both connectors have the same function.

Connection Cable

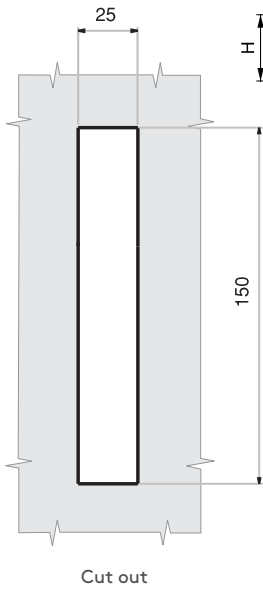


Cable length is 4 m.
The same connectors are crimped both ends of the cable.

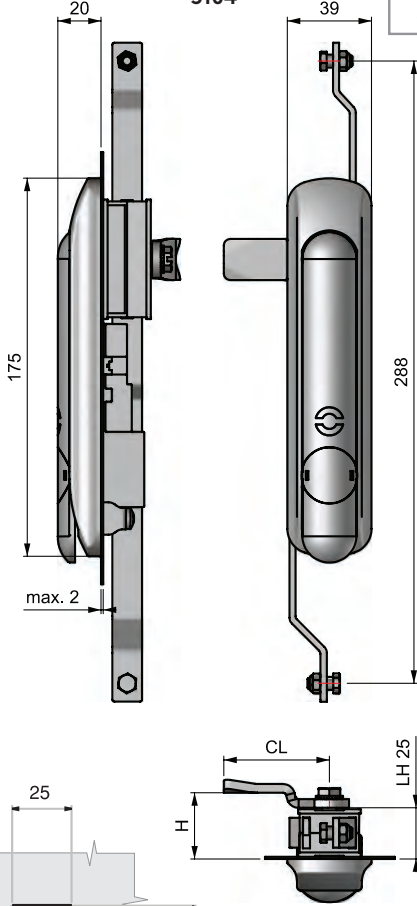
3103



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



3104

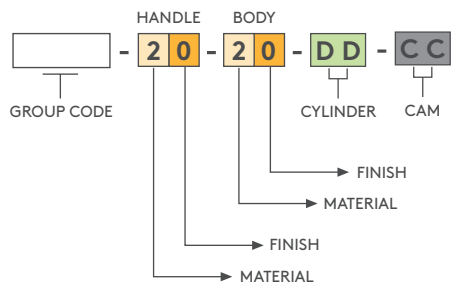


3104

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



For cams and rods, please check
► Page: 146 -150



▶ ELECTRONIC LOCKING SYSTEM

ELECTRONIC SWINGHANDLE

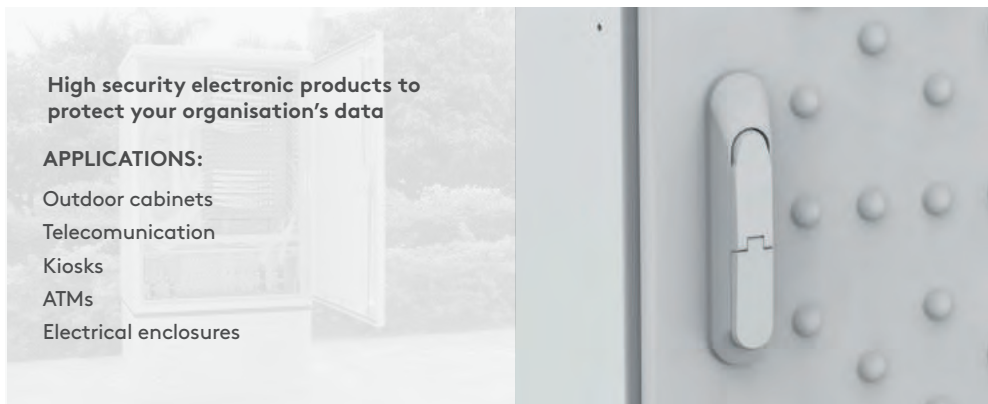
3105



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

MECHANISM: 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



Technical specifications:

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

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

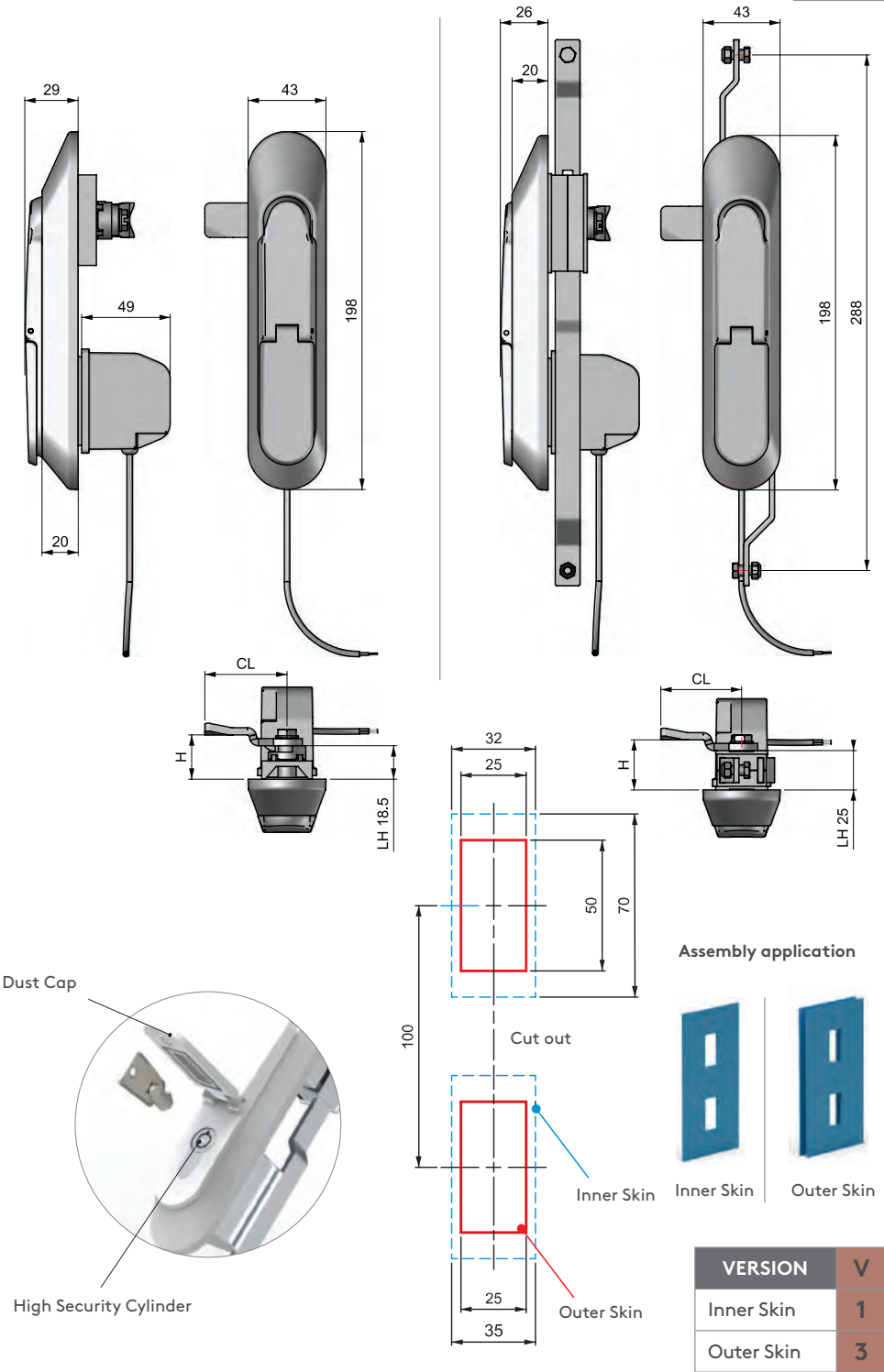


3105

3106

3106

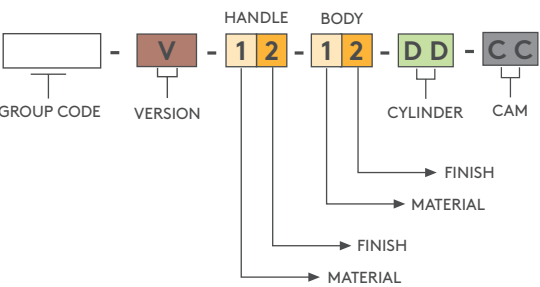
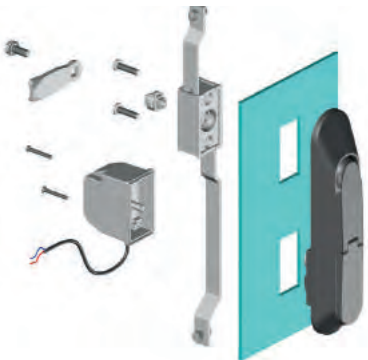
ELECTRONIC SWINGHANDLE



- Compatible with access control systems.
- All metal construction
- Special geometry provides anti-vandalism safety
- Improved corrosion resistance
- Meets DIN V ENV 1630:1999-04/ WK2 standard
- 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
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



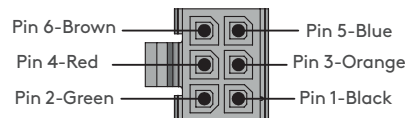
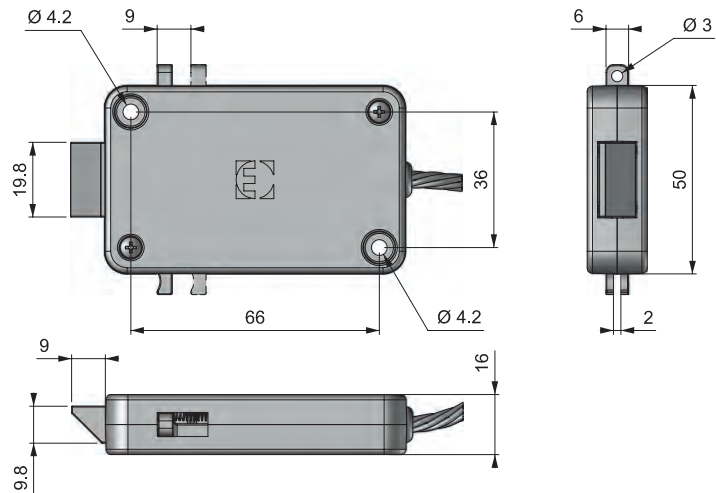
- Push to Close
- 12 Volt DC supply voltage
- Two different mechanical override option
- Auto locking
- Internal microswitch
- Microprocessor controlled gear motor
- Compatible with access control systems

MATERIALS

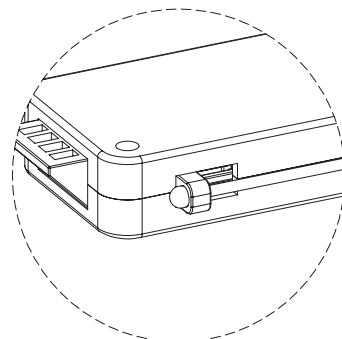
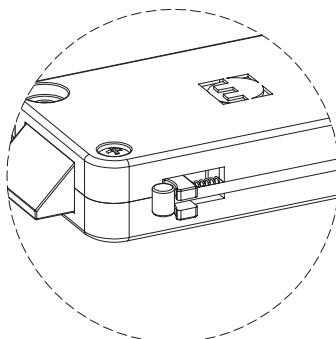
BODY: Plastic
CAM: Zamak 5

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

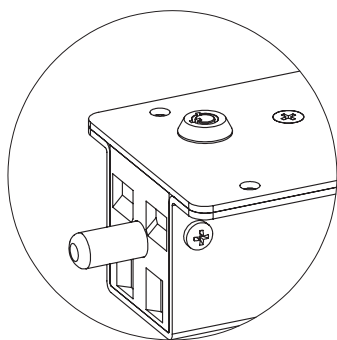
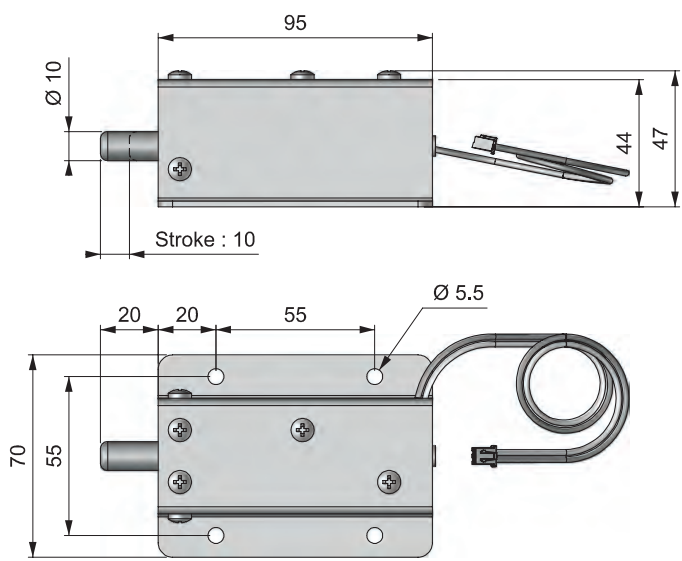


Two different mechanical override option

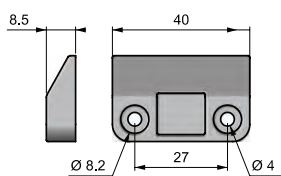
3311

SOLENOID LOCK

New



Mechanical override with high security cylinder



Bracket
Code: 30302223



- 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

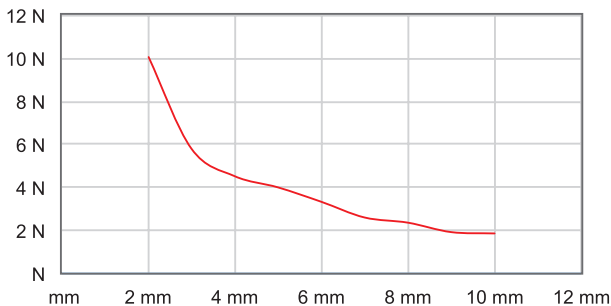
TECHNICAL SPECIFICATIONS

- 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

PRODUCT CODE

3311 - V

GROUP CODE VERSION

VERSION	V
Without Mechanical Override	1
With Mechanical Override	2



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

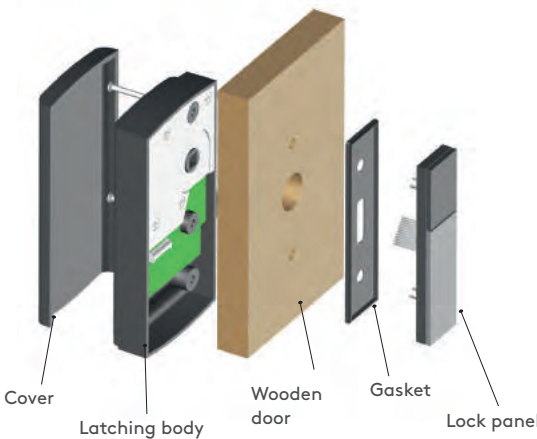


Sliding cover

Emergency power-supply input

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

Micro USB connector



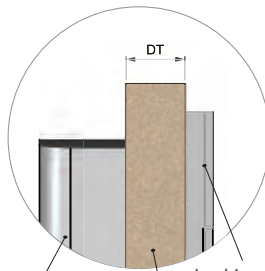
Cover

Latching body

Wooden door

Gasket

Lock panel



Latching body

Wooden door

Locking panel

DT - DOOR THICKNESS

Min	Max
11mm	27mm

For different door thicknesses please contact Essentra.

3203

ELECTRONIC CABINET LOCK

RFID card reader

Electronic solutions for improving security

APPLICATIONS:

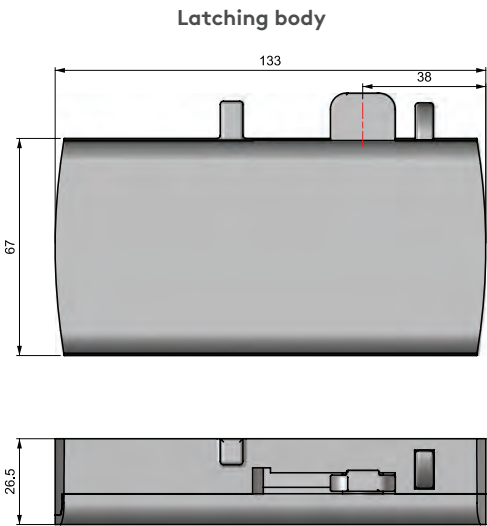
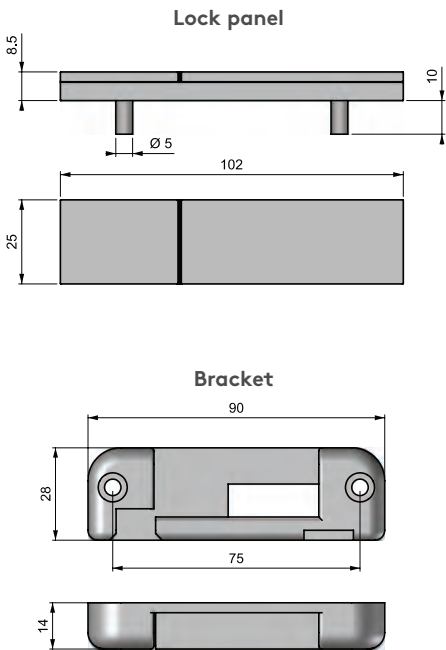
Various cabinets or lockers in sauna area, spa, gym, office, school, etc. .



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.

Vertical



Horizontal



RFID Card



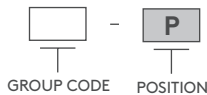
Order separately
Printed: (340.0.2639)
Unprinted: (340.0.2640)

- 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

PRODUCT CODE



POSITION	P
Horizontal	1
Vertical	2

ELECTRONIC LOCKING SYSTEM

ELECTRONIC CABINET LOCK

3201

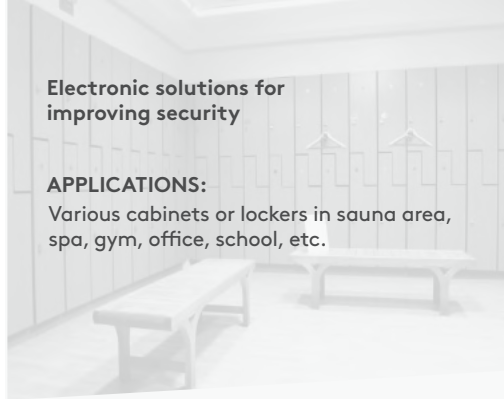
Keypad



Electronic solutions for improving security

APPLICATIONS:

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



Technical specifications

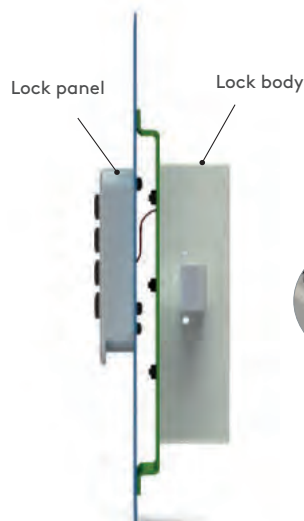
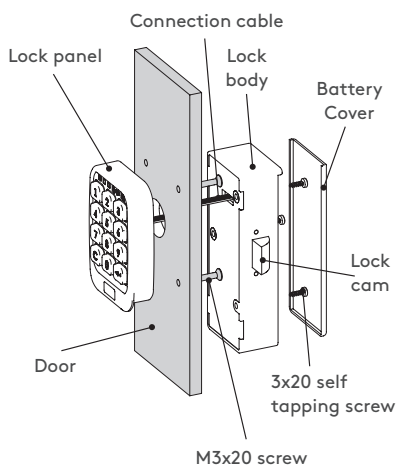
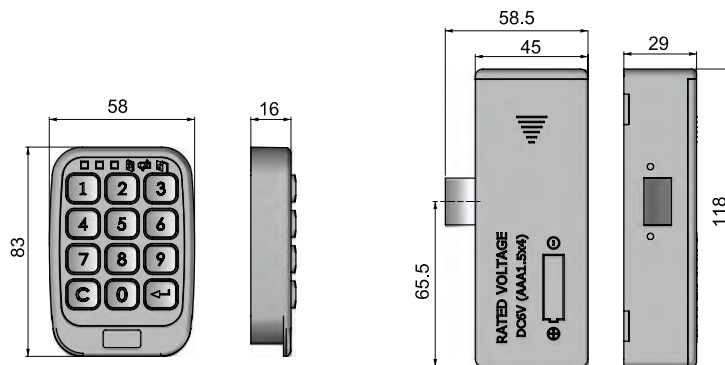
- Input password to open door; no need for card or key
- Two types:
 - Public with temporary password
 - Private with permanent password
- Two management levels: master code and user code
- Low power alarm: the lock will indicate when the battery has insufficient power
- Emergency open: external power 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 Lock

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

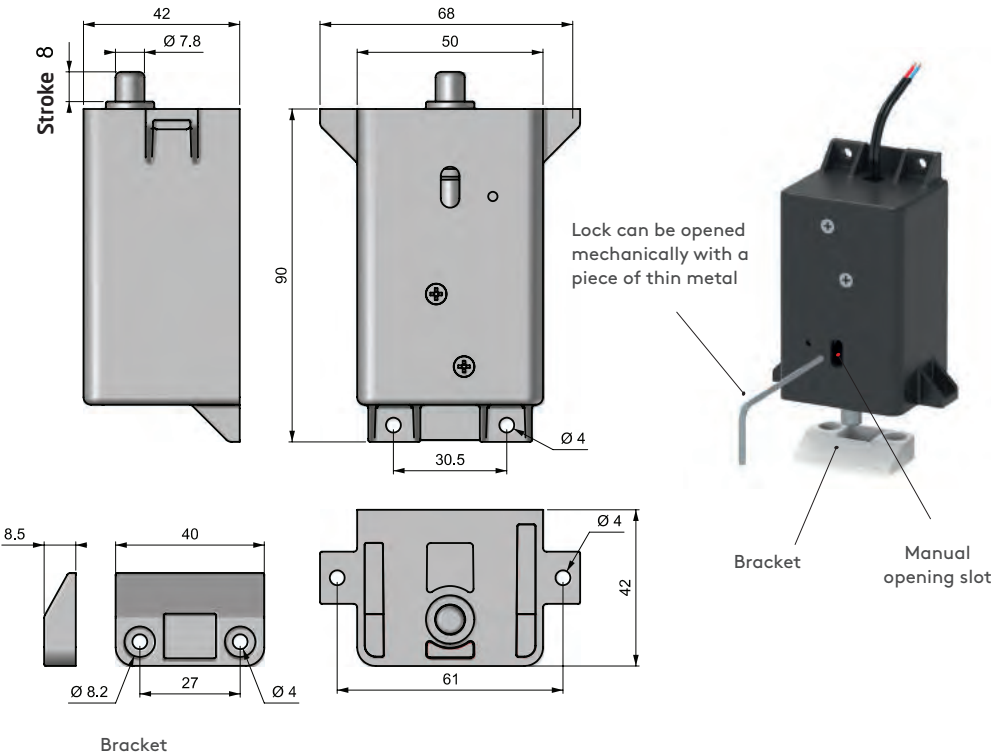
- RF Frequency: 433.92 MHz
- Keys: 2 (Same function)
- Battery: 27A
- Function: New remote control identification



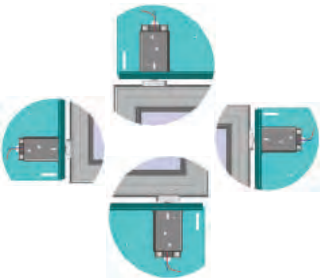
- Microprocessor controlled.
- Working voltage 220 V AC (with a special transformer)
- Open and close remote control
- Buzzer
- Manual opening slot in case of power outage
- New remote control identification with a master remote control
- More than one lock can be controlled by one remote control or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

MATERIALS

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



Multidirectional application



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