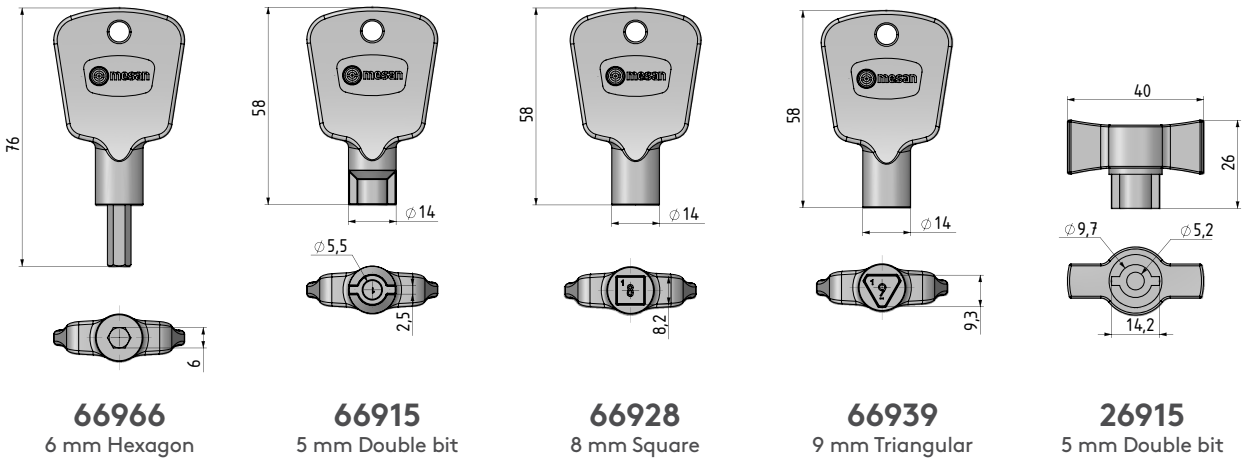
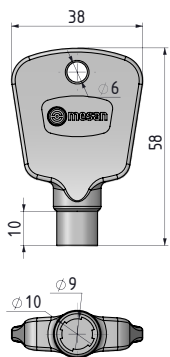


POLYAMIDE KEYS

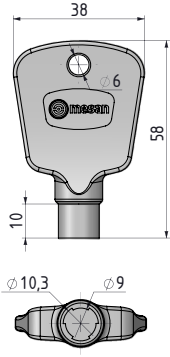


⚠ Not: Suitable for 040 & 540 compression locks



66993
Tubular key

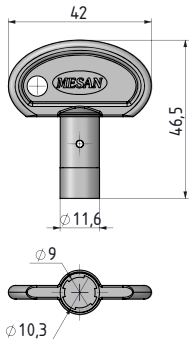
⚠ Not: Suitable for 140 compression lock



76993
Tubular key

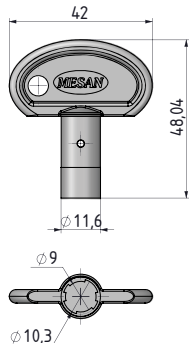
METAL KEYS

⚠ Not: Suitable for 040 & 540 compression locks



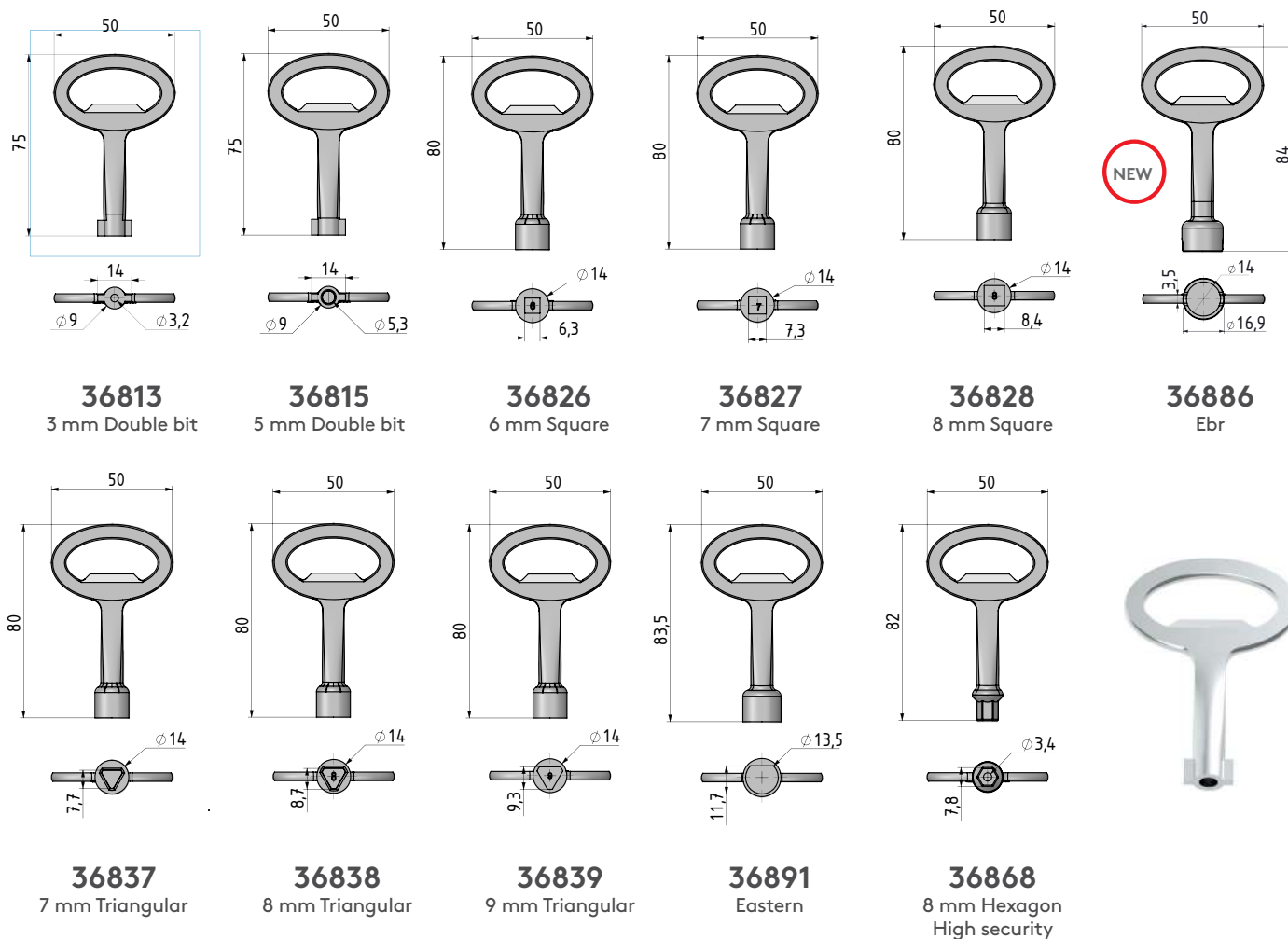
Tubular key
Chrome plated: 36911
Black coated : 36912

⚠ Not: Suitable for 140 compression lock

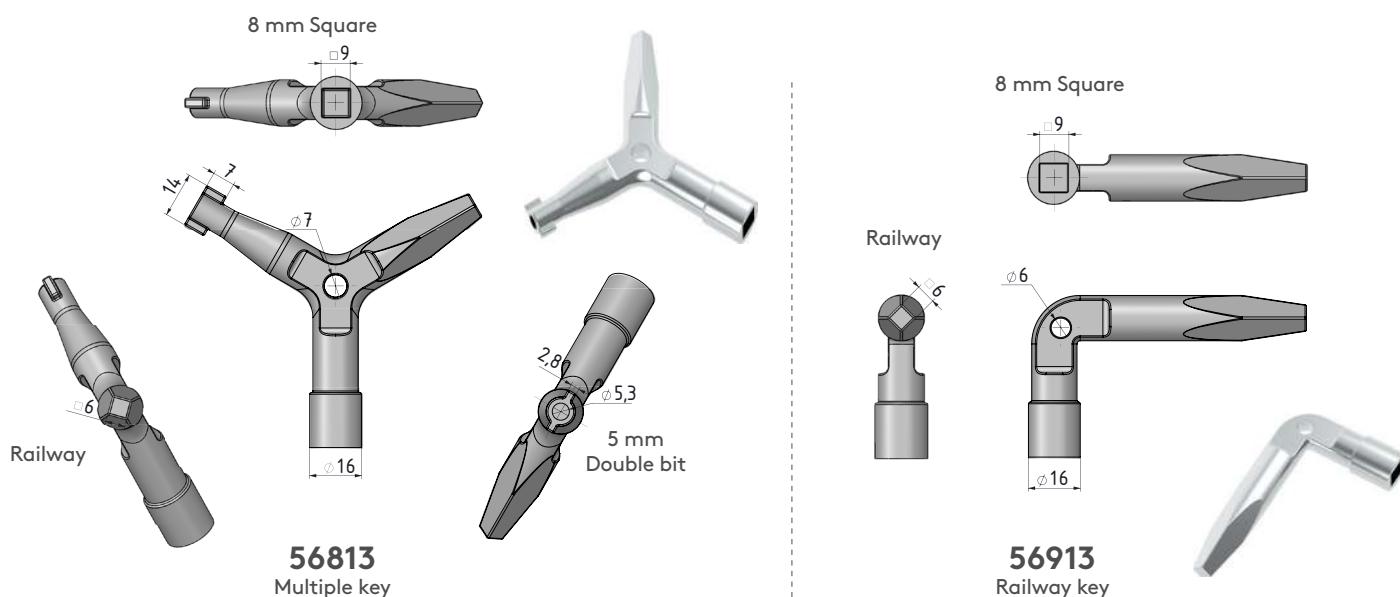


Tubular key
Chrome plated: 46911
Black coated : 46912

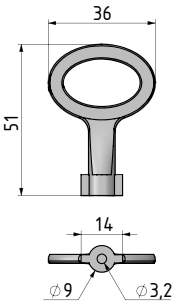
METAL KEYS (LONG)



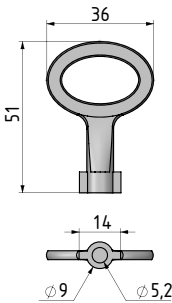
MULTIPLE KEYS (METAL)



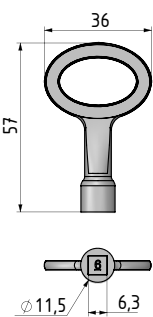
METAL KEYS (SHORT)



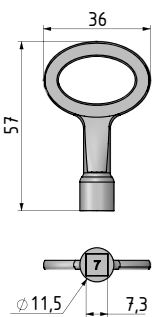
26713
3 mm Double bit



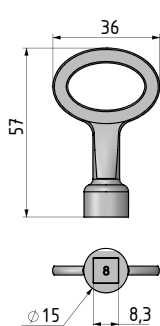
26715
5 mm Double bit



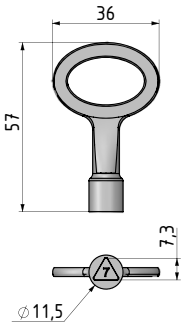
26726
6 mm Square



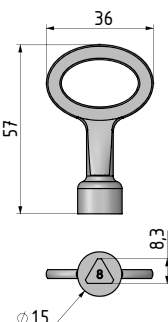
26727
7 mm Square



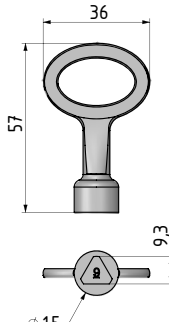
26728
8 mm Square



26737
7 mm Triangular



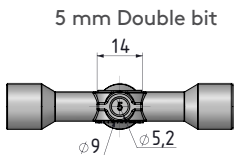
26738
8 mm Triangular



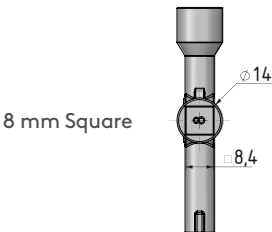
26739
9 mm Triangular

MULTIPLE KEYS (METAL)

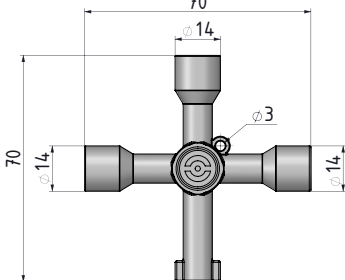
NEW



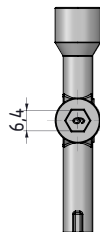
5 mm Double bit



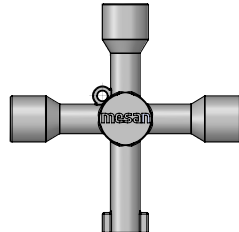
8 mm Square



9 mm Triangular



6 mm Hexagon



Chrome plated: 66811
Black coated : 66812



195



196



197



198



199



200-201



202



203



204



205



206



207



208



209



NEW

210-211



212



213



214



215



216



217



218



219



219



220



221



222



223



224



225



226



227



228



229



230



231



232-233



234



235



236



NEW

237



238



239



240



NEW

241



NEW

242



243, 245



244



QUARTER-TURN LOCKS

192-245



mesan
ESSENTA COMPONENTS

▶ 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	30101127Y
	1	2	30101126Y
	2	0	30102012Y

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

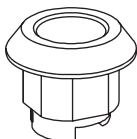
Tork (T-30)	M	F	Stock code
DD 	1	1	30101213Y
	1	2	•
	2	0	•

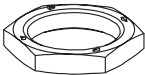
11 mm Hexagon male	M	F	Stock code
DD 	1	1	30101675Y
	1	2	30101676Y
	2	0	•

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

NEW EBR	M	F	Stock code
DD 	1	1	30101939Y
	1	2	•
	2	0	•

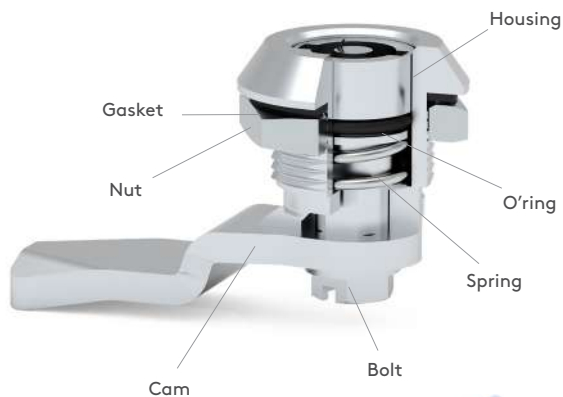
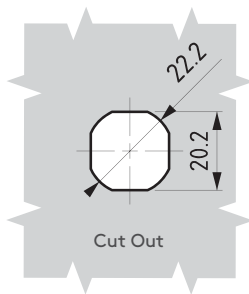
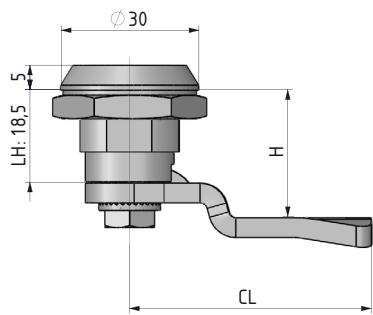
HOUSING, NUT, SEALING WASHER, SPRING, SCREW, O-RING

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

Nut	M	F	Stock code
	1	0	20501015Y
	2	0	30502002Y

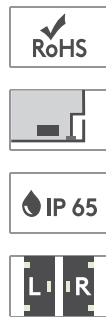
* Suitable for Railway driver

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



060

QUARTER TURN –
SPRING LOADED



- **Stainless steel version: page: 458**
- Specially designed internal spring provides 1.5 mm of compression
- Cam does not rotate beyond quarter turn due to stop lip

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 plated or black coated

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

Group Code	Housing	Driver	Driver No	Cam
060	M	F	M	F
			DD	CC

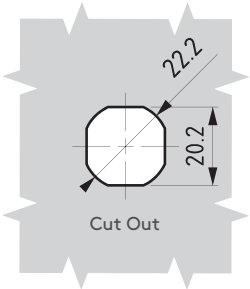
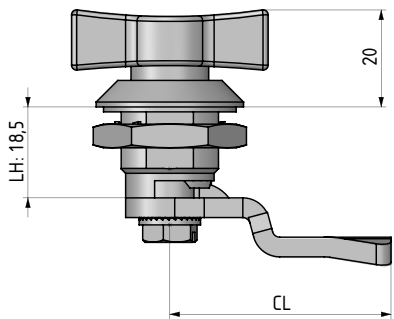
- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191



QUARTER-TURN LOCKS

QUARTER TURN – WING KNOB

062



- Wing operates lock and serves as knob

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

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

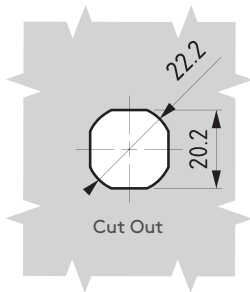
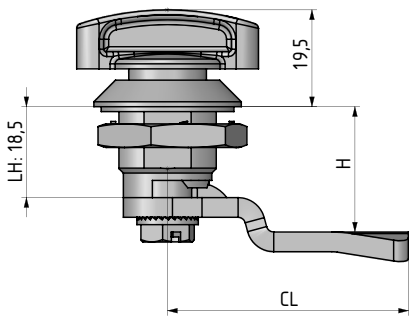
Group Code	Housing	Knob	Cam
062	M	F	CC



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188



362

QUARTER TURN –
WING KNOB



• Wing operates lock and serves as knob

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 plated or black coated

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

Group Code	Housing	Knob	Cam
362	M	F	CC

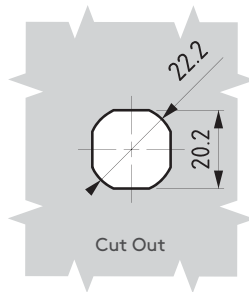
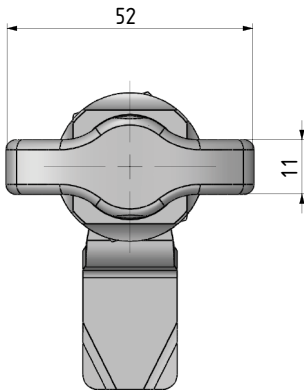
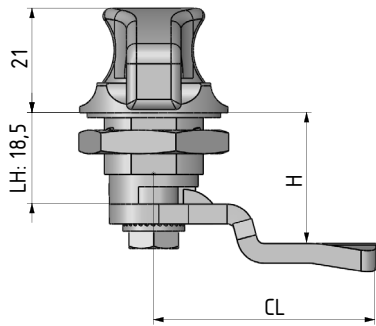
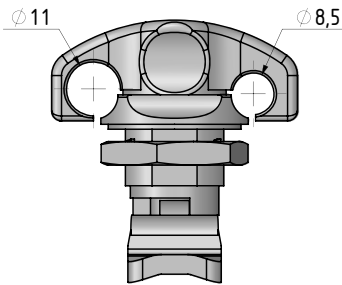
For cams please check pages: 170 - 171
For rods please check pages: 178 - 188



QUARTER-TURN LOCKS

PADLOCKABLE WING KNOB

562



- **Stainless Steel version: page 471**
- Shackle diameter is
for 11 mm hole:
min. 8.5 mm
max. 10 mm
for 8.5 mm hole:
min. 6 mm
max. 7.5 mm

MATERIAL

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

FINISH

Chrome plated or black coated



FINISH	F
Chrome plated	1
Black coated	2

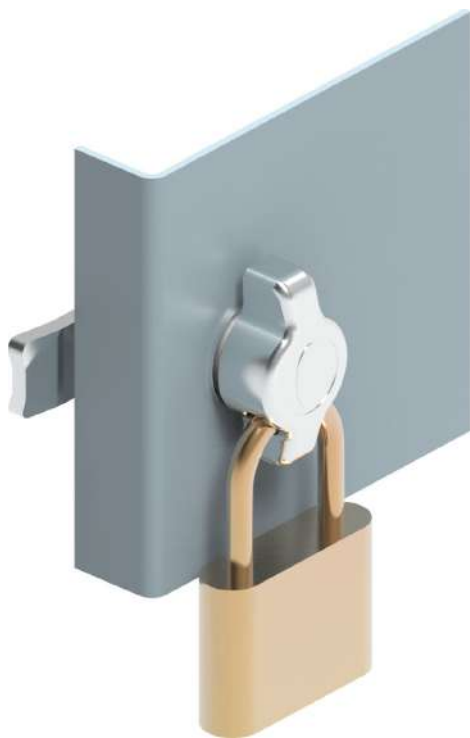
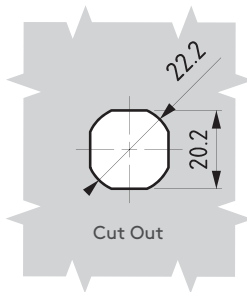
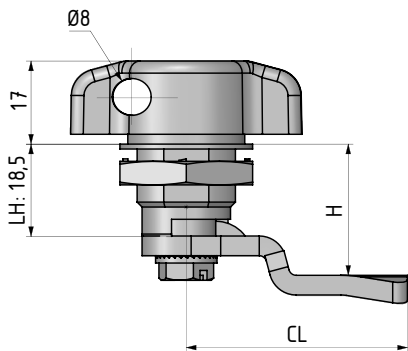
Group Code	Finish	Cam
562	F	CC



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188



262

PADLOCKABLE WING KNOB



• Padlockable wing knob. Maximum shackle diameter 6 mm

MATERIAL

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

FINISH

Chrome plated or black coated

FINISH	F
Chrome plated	1
Black coated	2

DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Finish	Cam	Door Direction
262	F	CC	

For cams please check pages: 170 - 171

For rods please check pages: 178 - 188

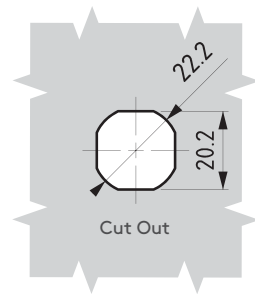
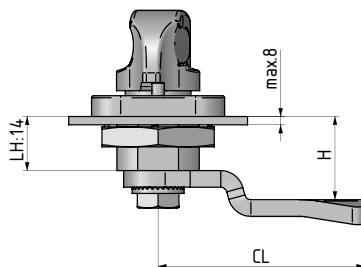
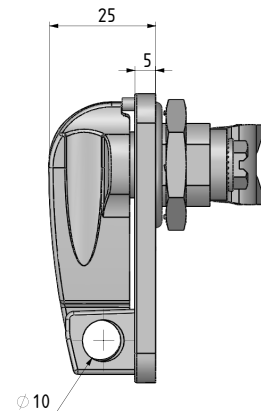
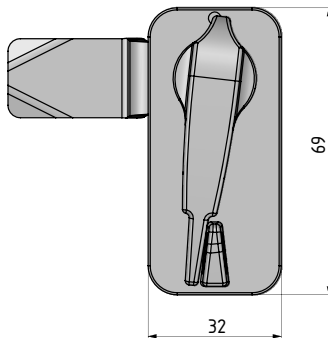


QUARTER-TURN LOCKS

QUARTER TURN- PADLOCKABLE

662

V:1



- Standard cams without stopper required for these locks
- Maximum shackle diameter 8 mm

MATERIAL

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

FINISH

Chrome plated or black coated



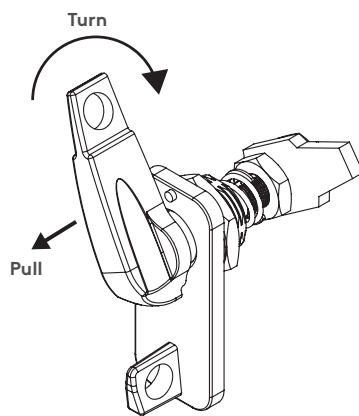
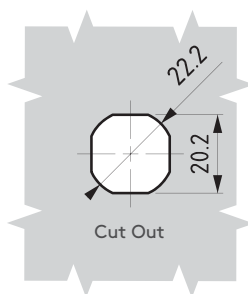
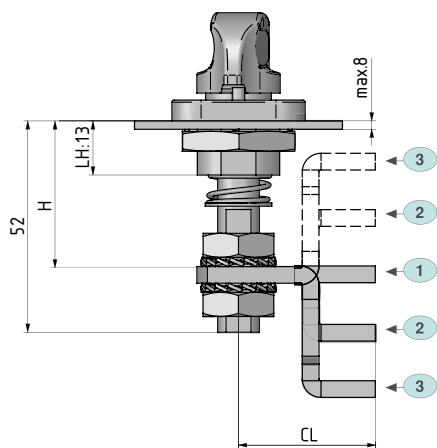
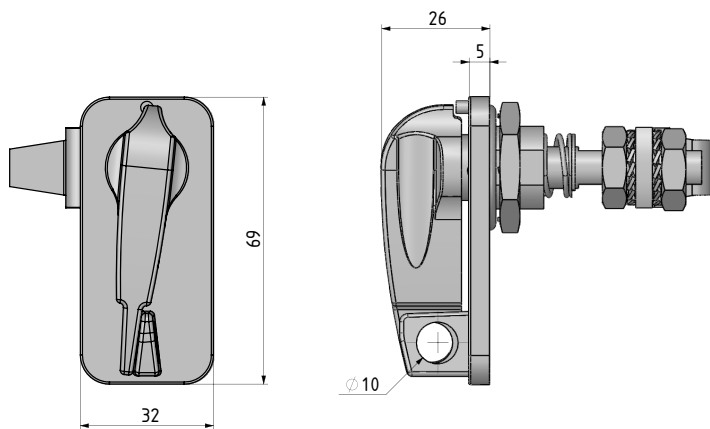
MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

DOOR DIRECTION	
Right hand	001
Left hand	002

For cams please check pages: 170 - 171

Group Code	Version	Material	Finish	Cam	Door Direction
662	1	1	F	CC	

V: 2



CAM	CC	CH	CL	POSITION	H: GRIP	
					MIN	MAX
1	01	0	33	Flat	30	41,5
2	02	14	33	Up	16	27,5
				Down	44	55,5
3	03	27,5	33	Up	2,5	14
				Down	57,5	69

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

Group Code	Version	Material	Finish	Cam
662	2	1	F	CC

662

QUARTER TURN-PADLOCKABLE



- Adjustable cam
- Three different cam alternatives available
- Maximum shackle diameter 8 mm
- Suitable for left-hand and right-hand applications

MATERIAL

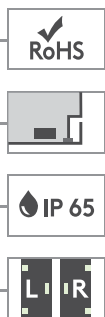
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH

Chrome plated or black coated



211



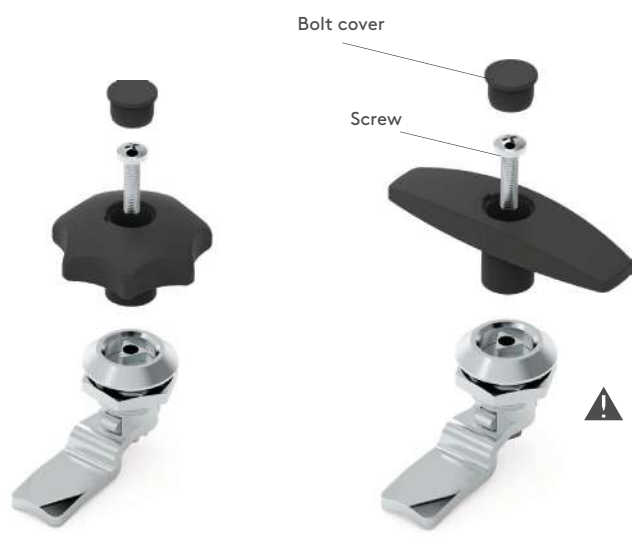
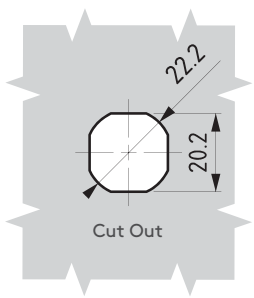
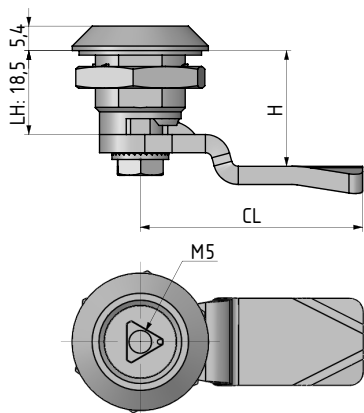
- ## MATERIAL

KNOB:

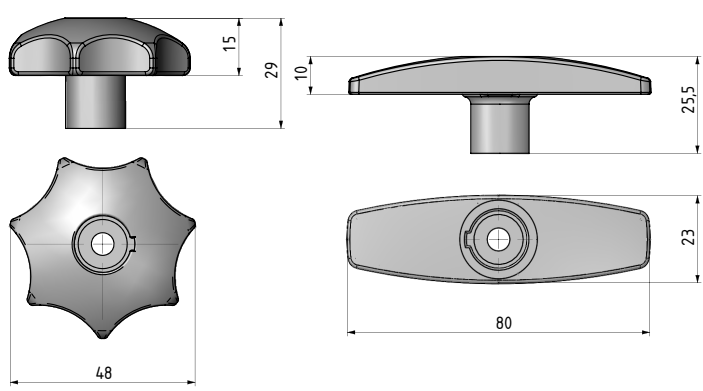


Group Code	Housing		Handle		Cam
211	1	F	1	F	CC





Note: Supplied with screw and cover



960

QUARTER TURN - MODULER HANDLE

- RoHS
- IP 65
- L R



- Two different plastic handle options are available.
- Handles and lock can be ordered separately and assembled by single screw

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

HANDLES

Star handle



'T' handle



320.02.218

320.02.219

- Handles can be order separately

MATERIAL
HANDLE : PA6 GFR 30
COVER : PA6 GFR 30
BOLT : STEEL

For cams please check pages: 170 - 171

MATERIAL	M	FINISH	F	SPECIFICATIONS	HANDLE
Zamak	1	Chrome plated	1	No handle	00
		Black coated	2	Star handle	01
				'T' handle	02

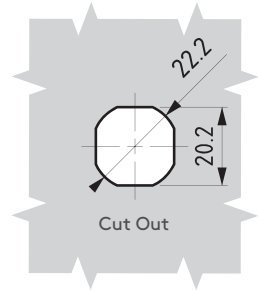
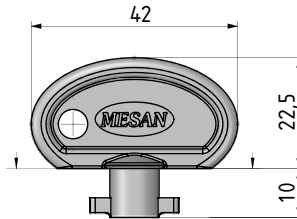
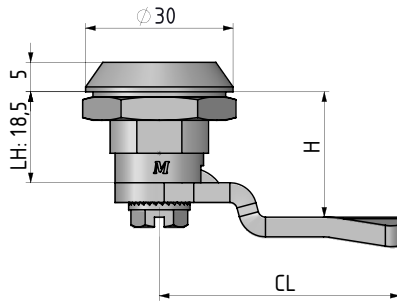
Group Code	Handle	Housing	Driver	Driver No	Cam
960		1	F	1	F
				39	CC



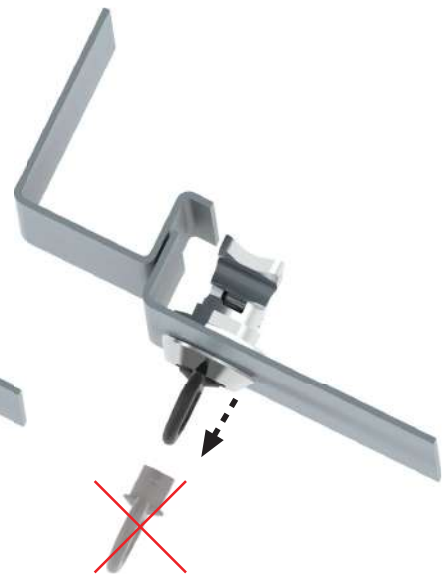
QUARTER-TURN LOCKS

SECURE QUARTER TURN

361



Key is removable at locked position



Key is removable at locked position

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

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

FINISH
Chrome plated or black coated

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

Group Code	Material	Finish	Cam
361	1	F	CC

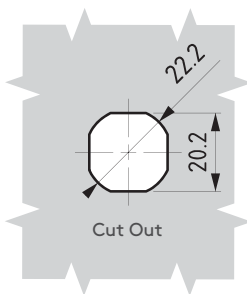
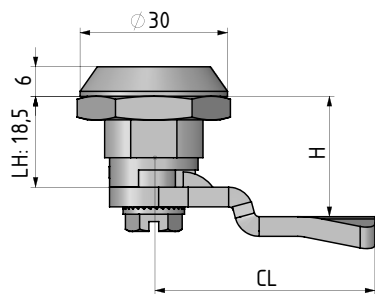
Lock

Group Code	Material	Finish
167	1	F

Key



For cams please check pages: 170 - 171



461

SECURE QUARTER TURN



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

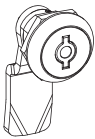
MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
GASKET: Rubber



Key is removable at locked position

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

SPECIAL KEYS

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

MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1

DOOR DIRECTION	
Right hand	001 
Left hand	002 

Group Code	Housing	Driver	Driver No	Cam	Door Direction
461	1	1	1	DD	CC



368-86
8 mm Square



368-95
Fiat

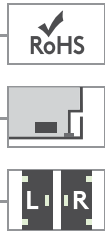
For cams please check pages: 170 - 171



QUARTER-TURN LOCKS

QUARTER TURN – EASY FIXING

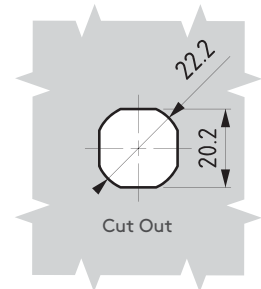
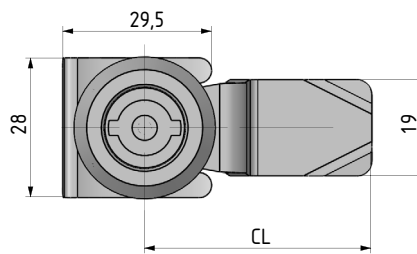
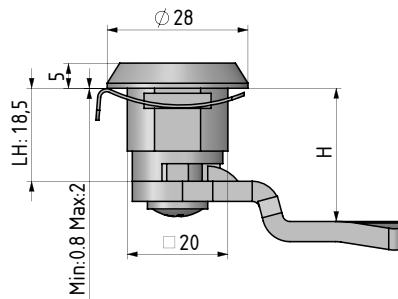
560



- 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

MATERIAL

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



Easy fixing



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

Group Code	Housing	Driver	Driver No	Cam
560	2	0	M F	DD CC



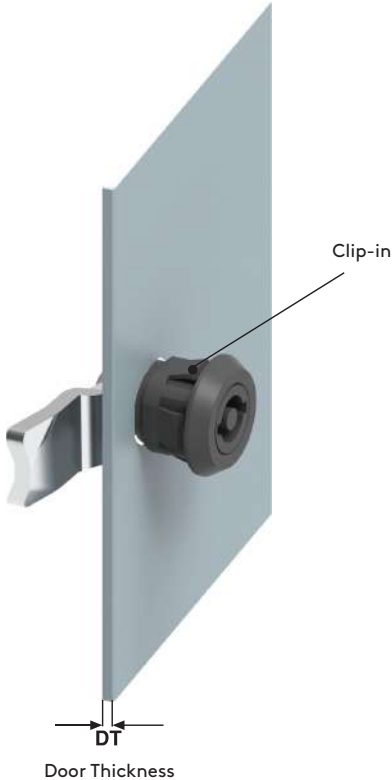
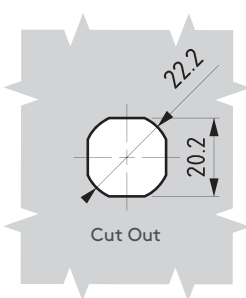
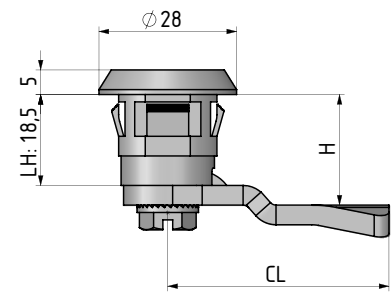
For cams please check pages: 170 - 171



For drivers please check page: 194



For keys please check pages: 189 - 191



Door Thickness (DT)	Version
0.8 -1.2 mm	1
1.2 -1.5 mm	2
1.5 - 2 mm	3 *

* in this version IP 65 is not available

660

QUARTER TURN – EASY FIXING

- RoHS
-
- IP 65
- L R
- Klick



- 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

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

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

Group Code	Version	Housing	Driver	Driver No	Cam
660	V	2	0	M F	DD CC

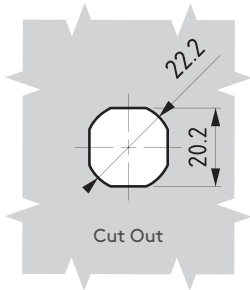
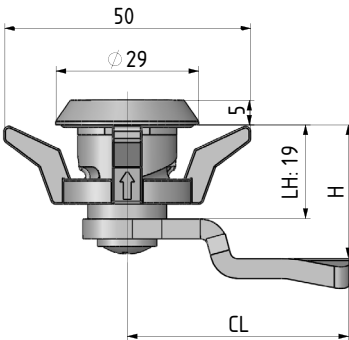
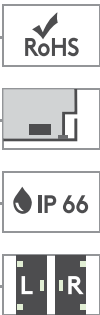
- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191



QUARTER-TURN LOCKS

QUARTER TURN – EASY FIXING

661



- Easy assembly - without tools
- Standard cut out
- 2.0 mm maximum panel thickness

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

DRIVERS

5 mm Double bit



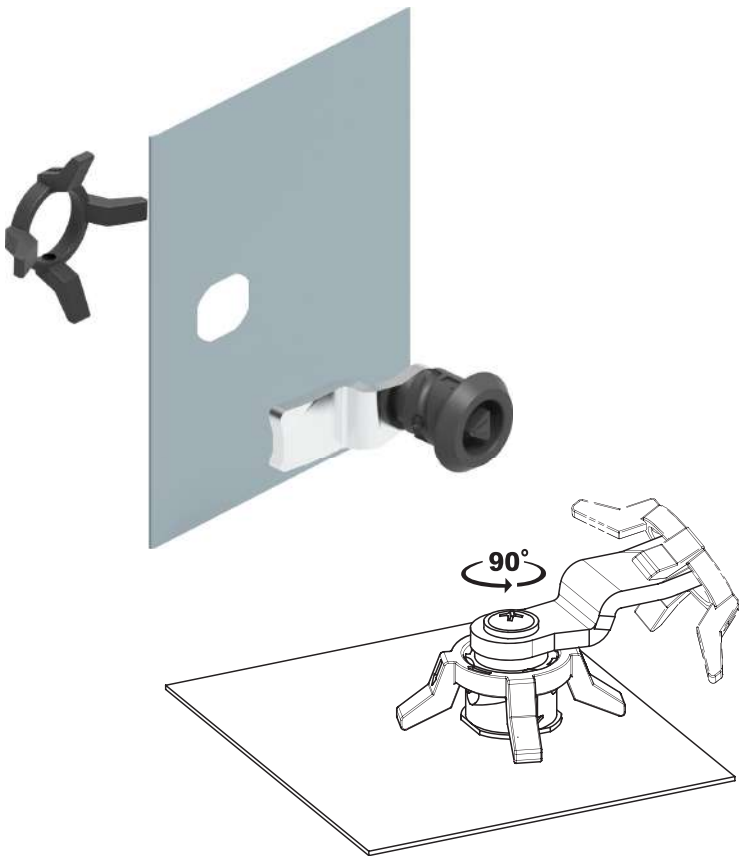
8 mm Square



9 mm Triangular



Note: For different drivers please contact Essentra



MATERIAL	M	FINISH	F
Plastic	2	No finish	0

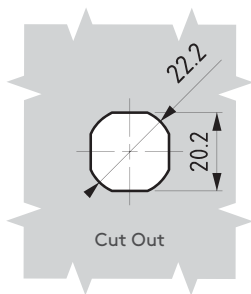
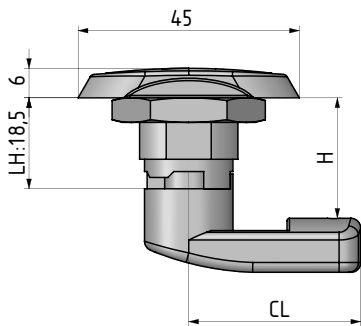
Group Code	Housing	Driver	Driver No	Cam
661	2	0	2	0
			DD	CC



For cams please check pages: 170 - 171



For keys please check pages: 189 - 191



561

KNOB LOCK (Plastic)



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

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

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

Group Code	Housing	Driver	Driver No	Cam
561	2	0	M F	DD CC

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191

QUARTER-TURN LOCKS

QUARTER TURN – EASY FIXING

761



NEW

RoHS



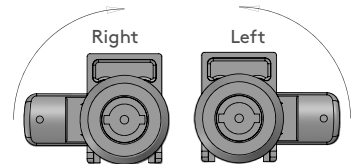
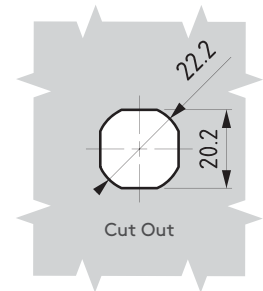
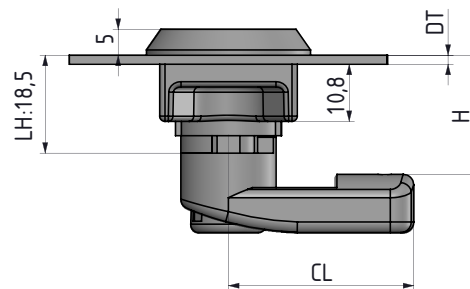
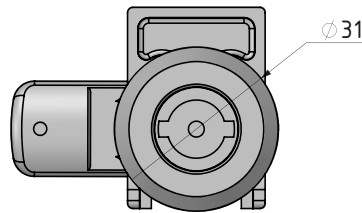
IP 66



- Easy assembly by plastic clips
- Applicable on different panel thicknesses
- Various driver options are possible
- Standard cut out

MATERIAL

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



320.02.221

BOLT COVER (For grounding)

- Can order separately (only for plastic cams)



Note: For different colors please contact Essentra

DOOR THICKNESS	DT
1.2 -1.8 mm panel	12
1.8 -2.3 mm pane	23

DOOR DIRECTION	
Right hand	001 
Left hand	 002

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



For cams please check pages: 170 - 171



For drivers please check page: 194



For keys please check pages: 189 - 191

Group Code	Version	Driver	Driver No	Door Thickness	Cam	Door Direction
761	1	M	F	DD	DT	CC

761

QUARTER TURN – EASY FIXING

NEW

RoHS



IP 66

L R



- Easy assembly by plastic clips
- Applicable on different panel thicknesses
- Various driver options are possible
- Logo application upon request
- Standard cut out

MATERIAL
HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
DRIVER: Plastic or zamak
CAM: Plastic or steel

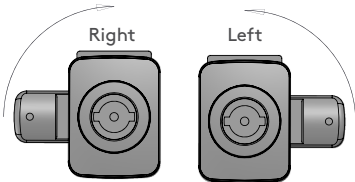
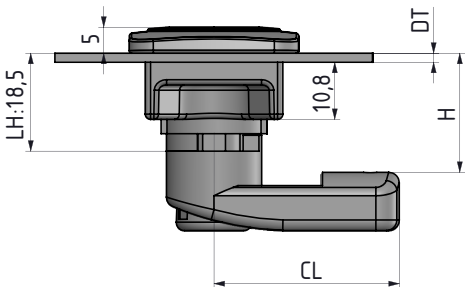
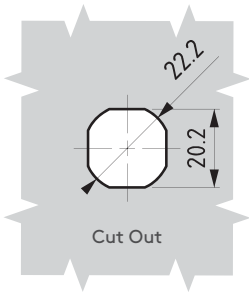
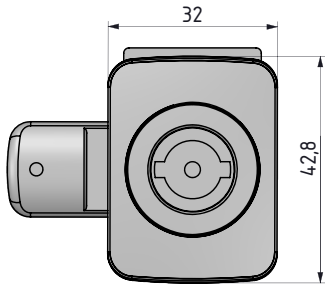
 320.02.221
BOLT COVER (For grounding)

- Can order separately (only for plastic cams)

 **Note:** For different colors please contact Essentra

-  For cams please check pages: 170 - 171
-  For drivers please check page: 194
-  For keys please check pages: 189 - 191

V: 2



DOOR THICKNESS	DT
1.2 -1.8 mm panel	12
1.8 -2.3 mm pane	23

DOOR DIRECTION	
Right hand	001 
Left hand	002 

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

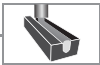
Group Code	Version	Driver	Driver No	Door Thickness	Cam	Door Direction
761	2	M	F	DD	DT	CC



QUARTER-TURN LOCKS

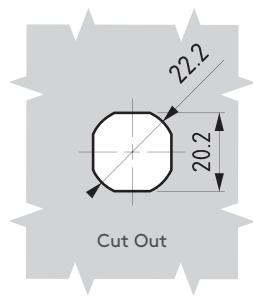
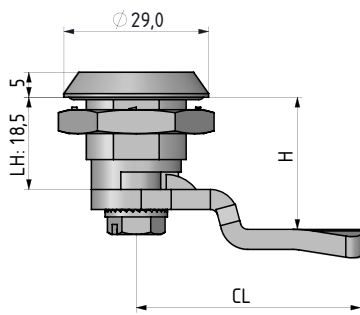
QUARTER TURN - SPRING LOADED

760



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

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



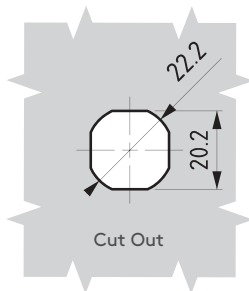
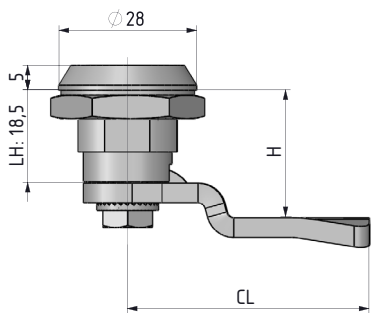
Sealing in plastic housing.
This application aims to improve the sealing level in quarter turns.



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

Group Code	Housing	Driver	Driver No	Cam
760	2	0	M F	DD CC

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191



Grounding clip



360

QUARTER TURN –
SPRING LOADED



- 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

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

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

Group Code	Material	Finish	Driver No	Cam
360	M	F	DD	CC

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191



QUARTER-TURN LOCKS

KNOB LOCK (Plastic)

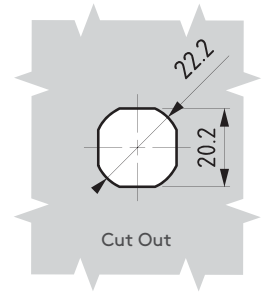
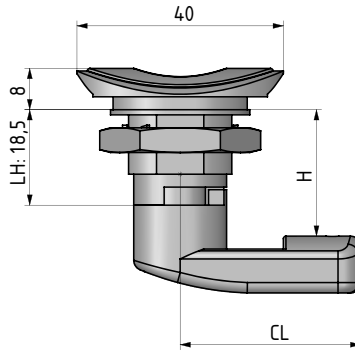
161



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

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



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

Group Code	Housing	Driver	Driver No	Cam
161	2	0	M F	DD CC



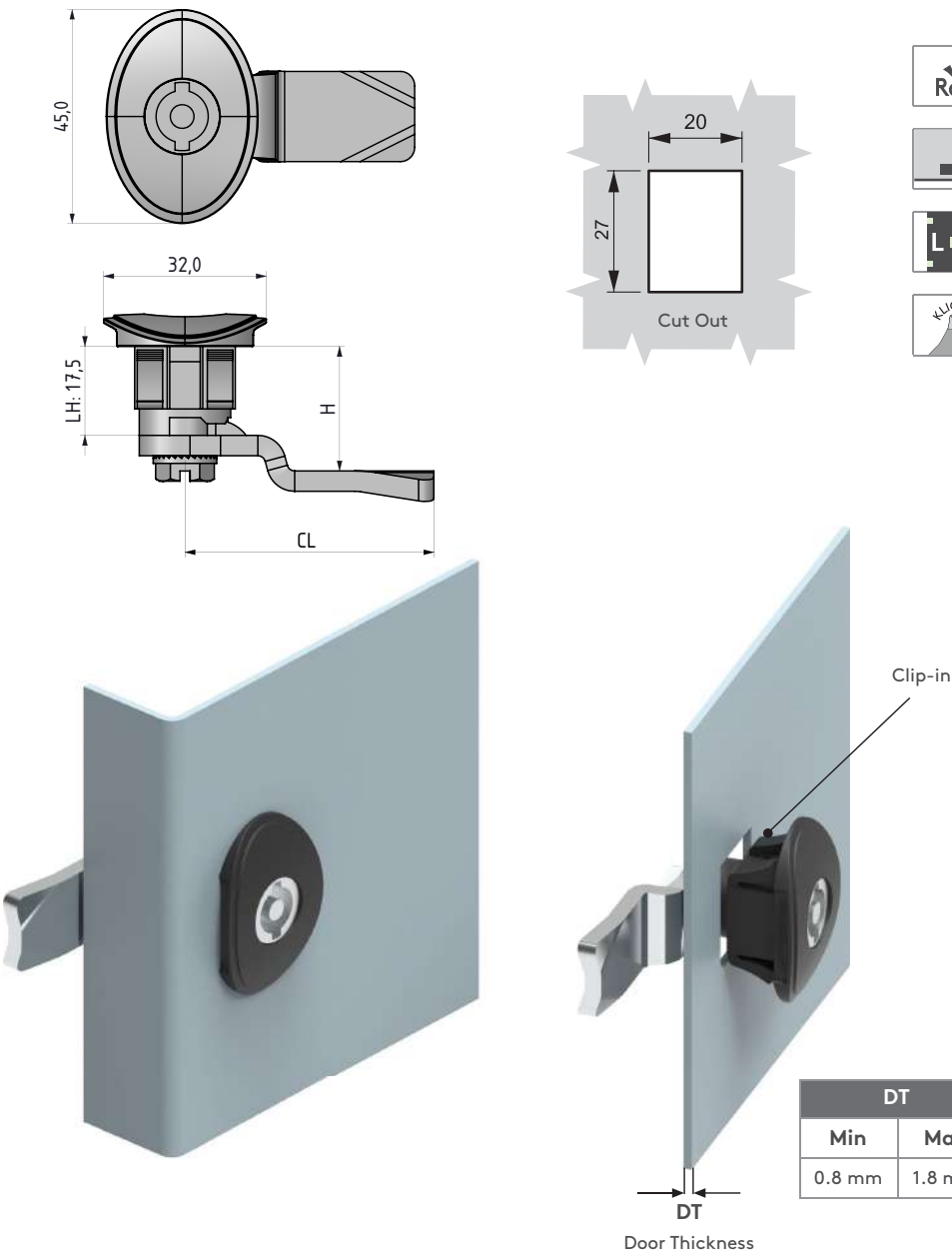
For cams please check pages: 170 - 171



For drivers please check page: 194



For keys please check pages: 189 - 191



261

KNOB LOCK (Plastic)



- 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

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

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

Group Code	Housing	Driver	Driver No	Cam
261	2	0	M F	DD CC

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191



QUARTER-TURN LOCKS

QUARTER TURN – SPRING CAM

160



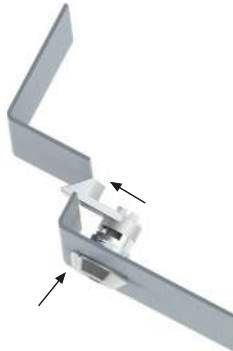
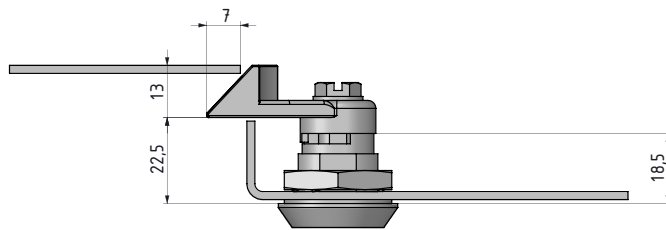
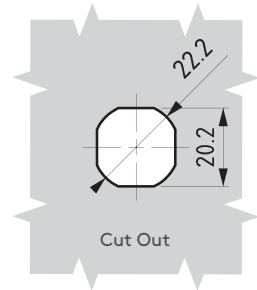
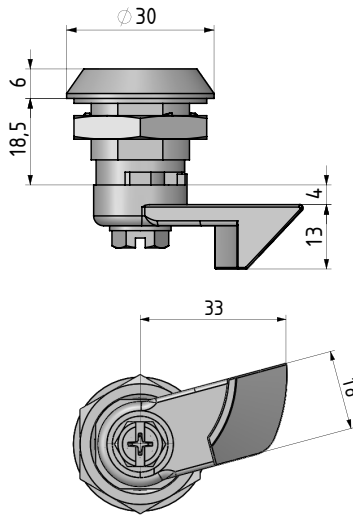
- Stainless steel version: page: 458
- Spring-loaded cam provides depress-to-lock action
- Distance between inside of lock face and front of cam fixed at 22.5 mm
- There is no IP 65 version of this lock, due to spring loaded cam

MATERIAL

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

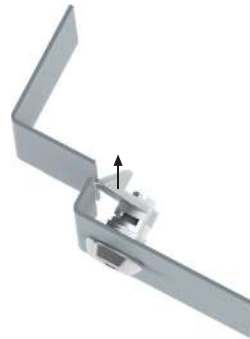
FINISH

Chrome plated



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

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

DOOR DIRECTION	
Right hand	001
Left hand	002

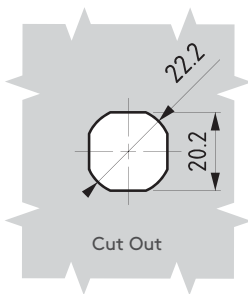
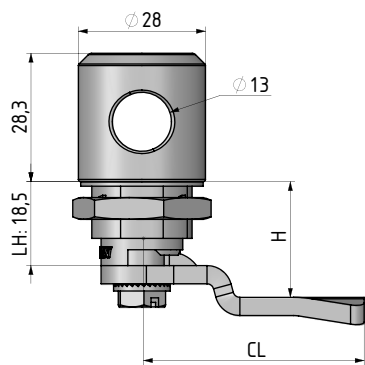
Group Code	Material	Finish	Driver No	Door Direction
160	1	F	DD	



For drivers please check page: 194



For keys please check pages: 189 - 191



Application 1



Application 2



260

QUARTER TURN –
PADLOCKABLE



- Stainless steel version: page: 459
- Padlockable version
- Can be used with different drivers

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

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

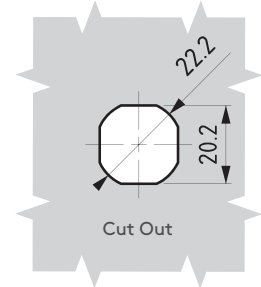
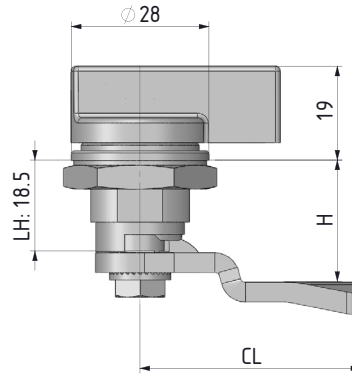
Group Code	Housing	Driver	Driver No	Cam
260	1	F	1	DD

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191

QUARTER-TURN LOCKS

PACO LOCK

162



- Paco type knobw

MATERIAL

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

FINISH

Chrome plated

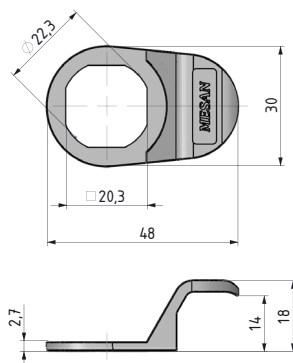
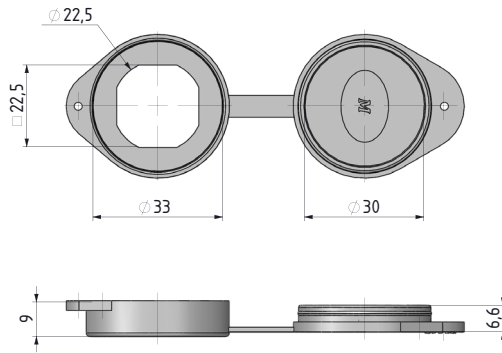


For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

Group Code	Cam
162	CC



060 A7

DUST CAP



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

MATERIAL
Polyurethane

060 A2

LOCK HANDLE



- Reduces the LH and H dimensions by 1 mm. Choose CH -1 mm for cam selection compared to unused

MATERIAL
PA6 GFR 30

► QUARTER-TURN LOCKS

FIXING DEVICE

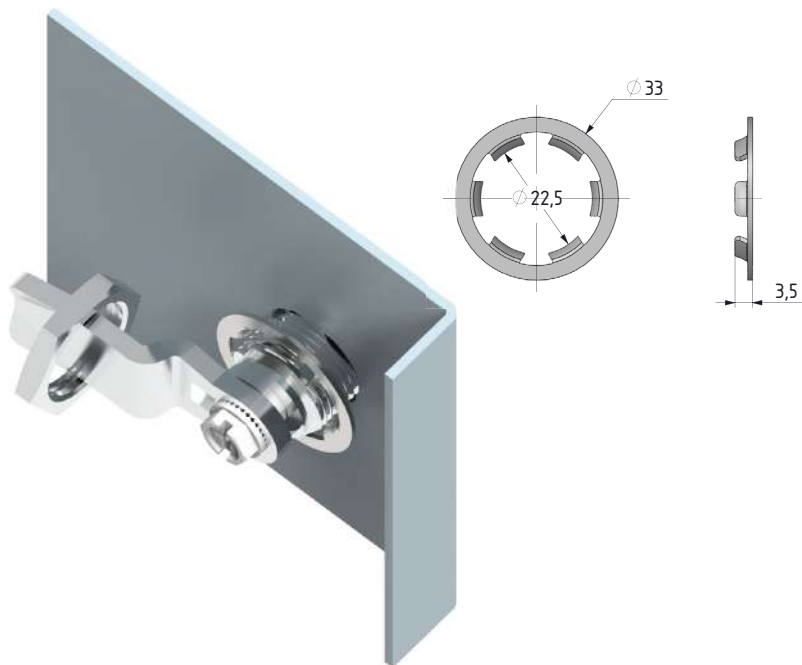
060 A3



- Prevents rotation
- For applications subject to vibration

MATERIAL
Steel

FINISH
Zinc plated



PADLOCK ADAPTER

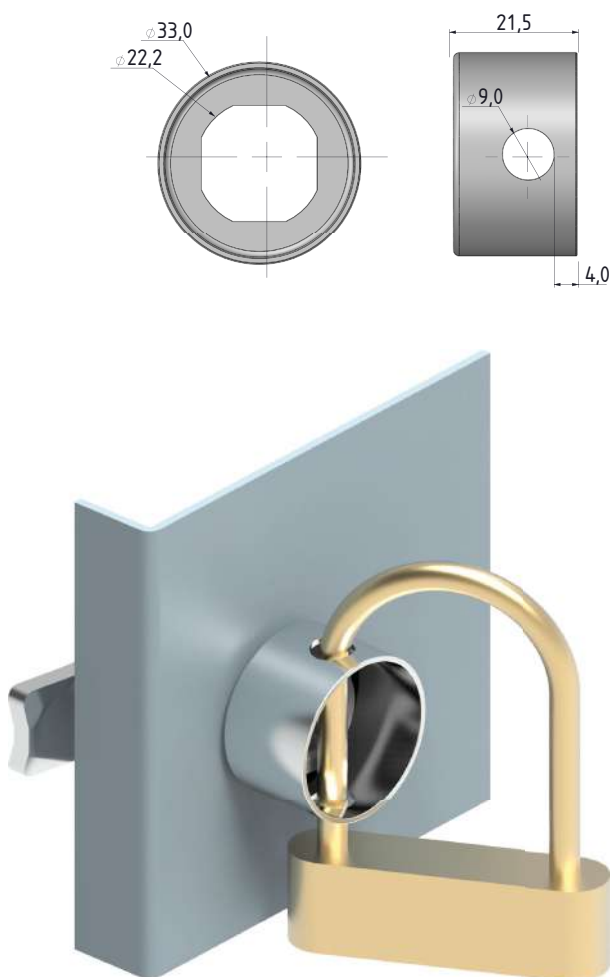
060 A8



- Max. shackle diameter is 8 mm
- Reduces the LH and H dimensions by 2 mm. Choose CH -2 mm for cam selection compared to unused

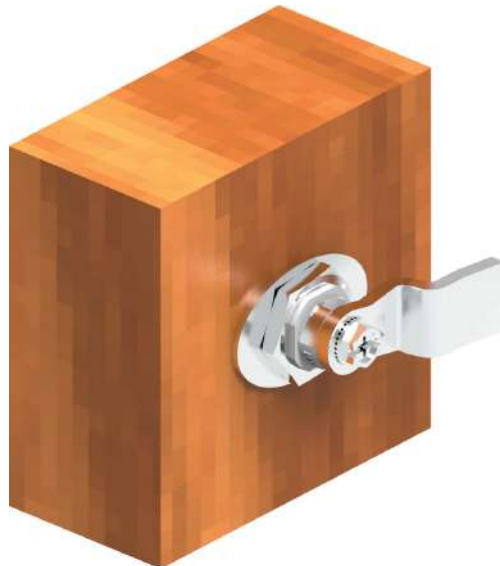
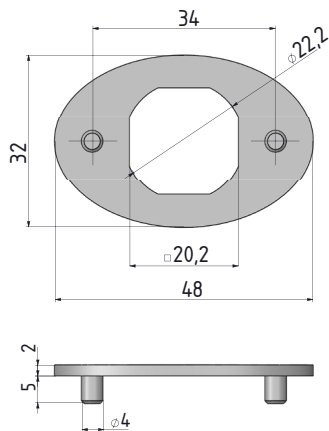
MATERIAL
Steel

FINISH
Zinc plated



060 A5

FIXING DEVICE



- Fixing device for wooden applications

MATERIAL

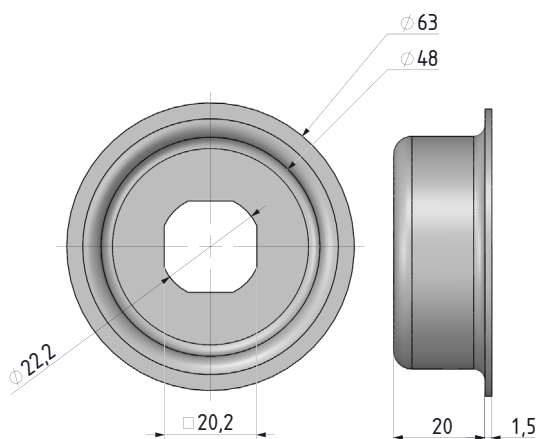
Zamak DIN-EN 1774-ZnAl4Cu1

FINISH

Zinc plated

060 A6

SPACER



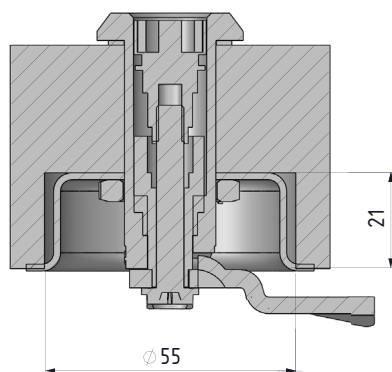
- Allows lock to be fitted to thick doors
- Easy fixing for isolated doors

MATERIAL

Steel

FINISH

Zinc plated

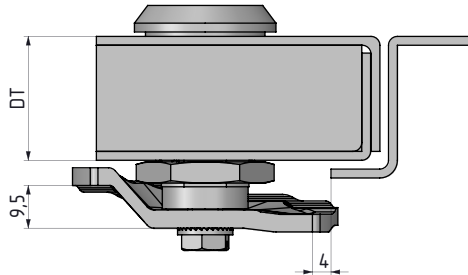
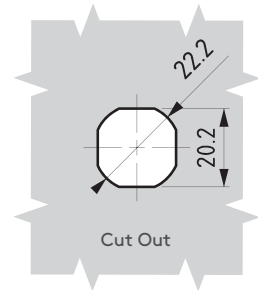
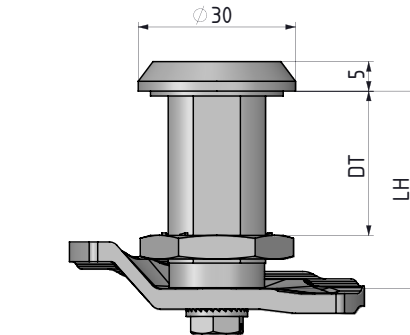




QUARTER-TURN LOCKS

STEPPED COVER LOCK

064

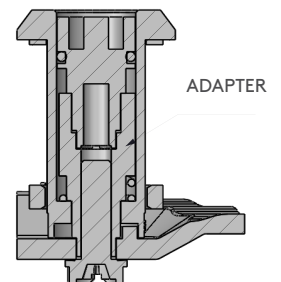
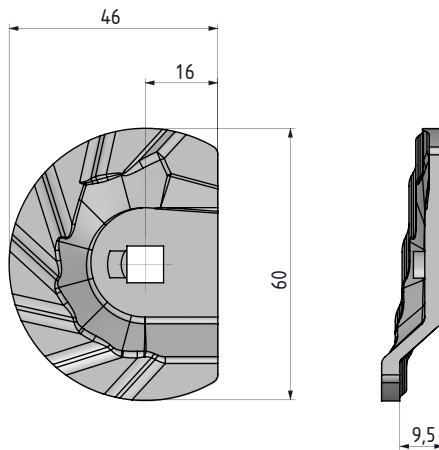


LH	DT
30	20
40	30
50	40
60	50

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

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



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

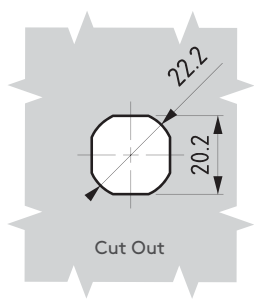
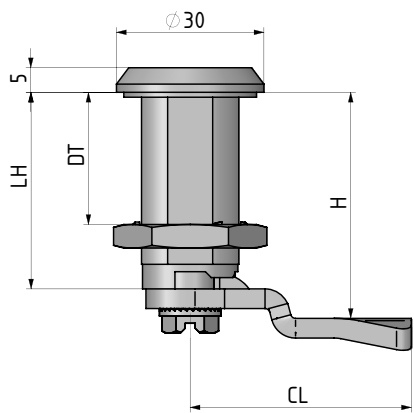
Group Code	Material	Finish	Driver No	Door Thickness	Cam
064	1	F	DD	DT	99



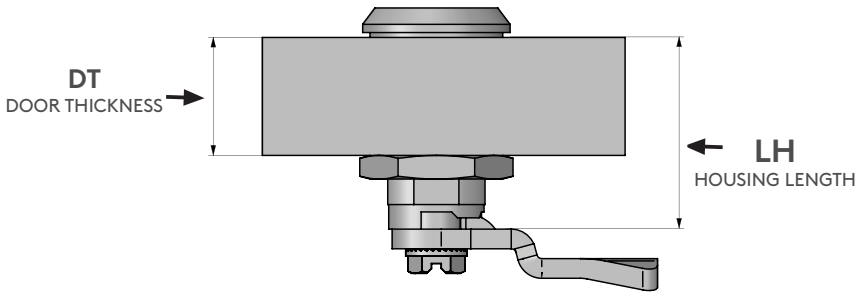
For drivers please check pages: 194



For keys please check pages: 189 - 191



LH	DT
30	20
40	30
50	40
60	50



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

Group Code	Material	Finish	Driver No	Door Thickness	Cam
064	1	F	DD	DT	CC

064

RoHS

IP 65

L R

QUARTER TURN – SPRING LOADED



- Stainless steel version: page: 457
- For soundproof or isolated doors
- Supplied with standard housing

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

FINISH
Chrome plated or black coated

For cams please check pages: 170 - 171

For drivers please check page: 194

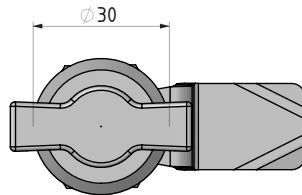
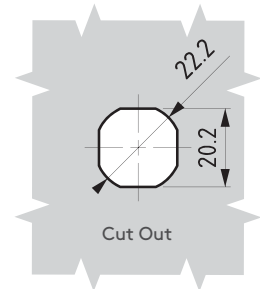
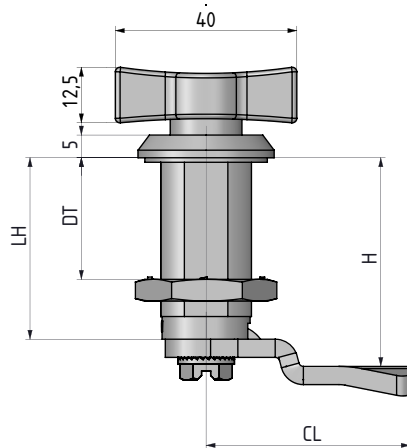
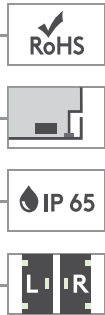
For keys please check pages: 189 - 191



QUARTER-TURN LOCKS

QUARTER TURN – WING KNOB

064



LH	DT
30	20
40	30
50	40
60	50

- For soundproof or isolated doors
- Supplied with standard housing

MATERIAL

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

FINISH

Chrome or Black coated



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

Group Code	Knob	Door Thickness	Material	Finish	Cam
064	062	DT	1	F	CC



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

064

QUARTER TURN – WING KNOB

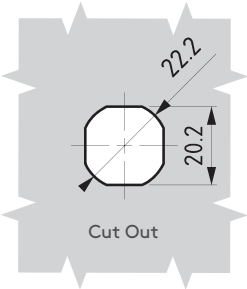
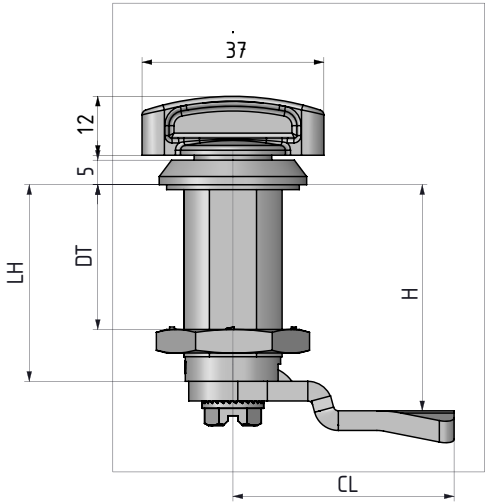
- RoHS
-
- IP 65
- L R



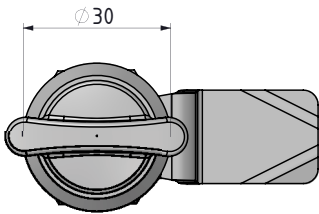
- For sound-proof or isolated doors
- Supplied with standard housing

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

FINISH
Chrome plated or black coated



LH	DT
30	20
40	30
50	40
60	50



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

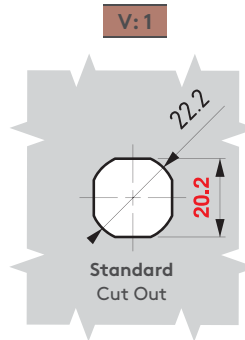
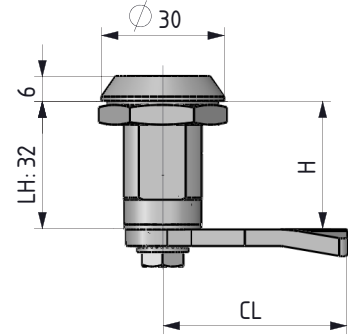
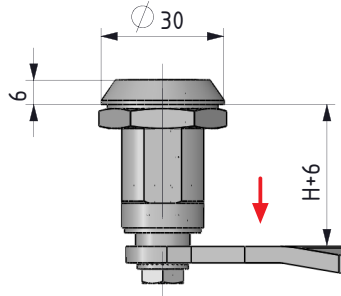
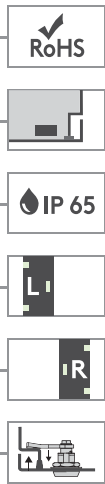
Group Code	Knob	Door Thickness	Material	Finish	Cam
064	362	DT	1	F	CC

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188

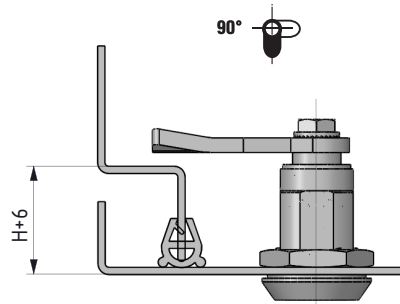
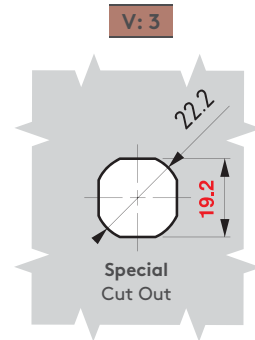
▶ QUARTER-TURN LOCKS

COMPRESSION LOCK

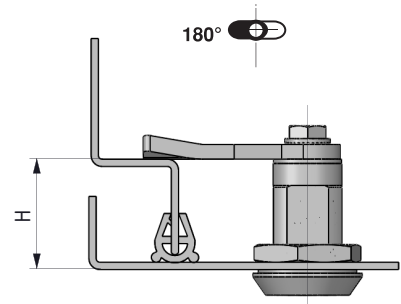
040



Attention



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



Further key rotation 180° applies 6 mm compression

- **Stainless Steel version: page 462**
- 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 20 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

GASKET: Rubber

FINISH

Chrome plated 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

MATERIAL	M	FINISH	F	DOOR DIRECTION
Zamak	1	Chrome plated	1	Right hand 001
		Black coated	2	Left hand 002

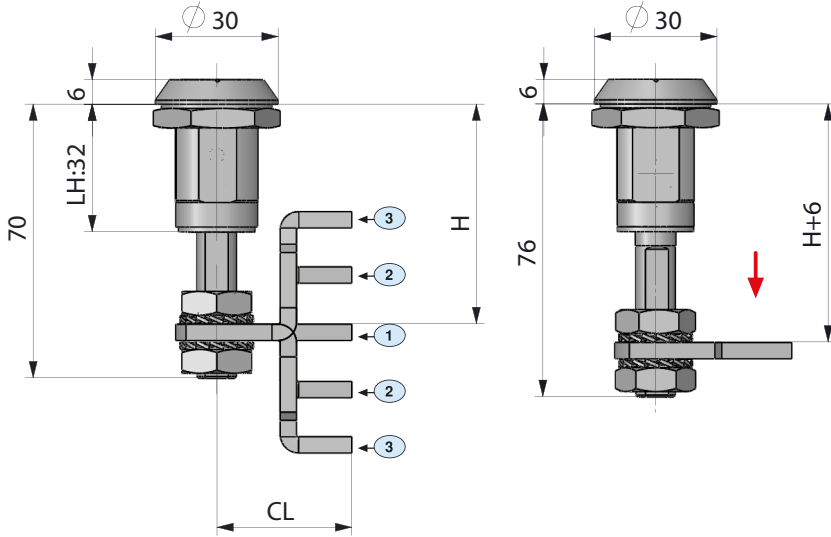
Group Code	Version	Material	Finish	Driver	Cam	Door Direction
040	V	1	F	DD	CC	



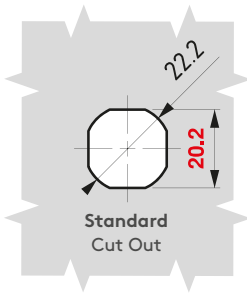
For cams please check pages: 172 - 173



For keys please check pages: 189 - 191



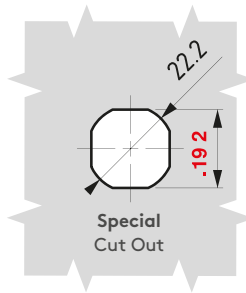
V: 2



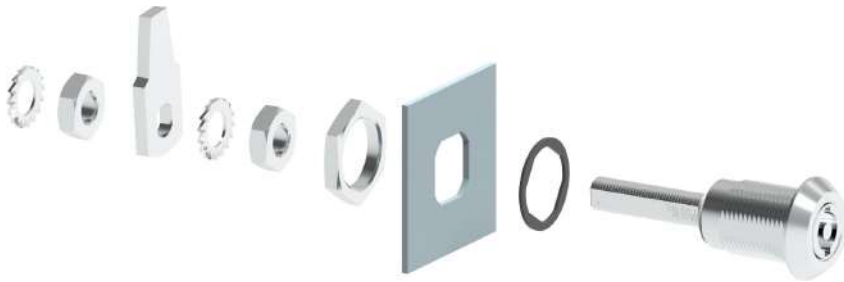
Standard
Cut Out



V: 4



Special
Cut Out



CAM	STOCK CODE	CC	CH	CL	POSITION	H GRIP MIN	H GRIP MAX
1	30403565Y	01	0	33	Düz	41	58
2	30403566Y	02	14	33	Yukarı	27	44
					Aşağı	55	72
3	30403567Y	03	27,5	33	Yukarı	13,5	30,5
					Aşağı	68	85

MATERIAL	M	FINISH	F	DOOR DIRECTION
Zamak	1	Chrome plated	1	Right hand 001
		Black coated	2	Left hand 002

Group Code	Version	Material	Finish	Driver	Cam	Door Direction
040	V	1	F	DD	CC	

040

COMPRESSION LOCK



- 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 20 Nm
- M10 Nut: should be fixed with 10 Nm
- Threadlocker is applied to the nut threads to get extra fastness against vibration and shock
- Max load capacity: 562 N

MATERIAL

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

FIXING DEVICE



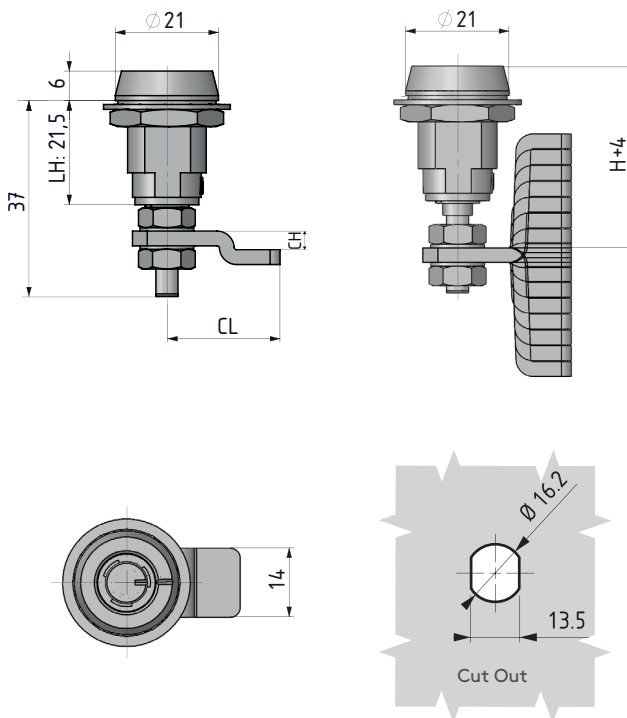
- Can be ordered separately
ORDER CODE: 32005018Y



QUARTER-TURN LOCKS

MINI COMPRESSION LOCK

140



- **Stainless steel version: page 460**
- Used for cabinets that require better sealing under vibrating conditions
- 4 mm compression ratio
- Provides noise isolation
- Driver and cam alternatives available

MATERIAL

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

FINISH

Chrome plated or black coated

DUST CAP

140 A1



(Order separately)

MATERIAL Polyurethane

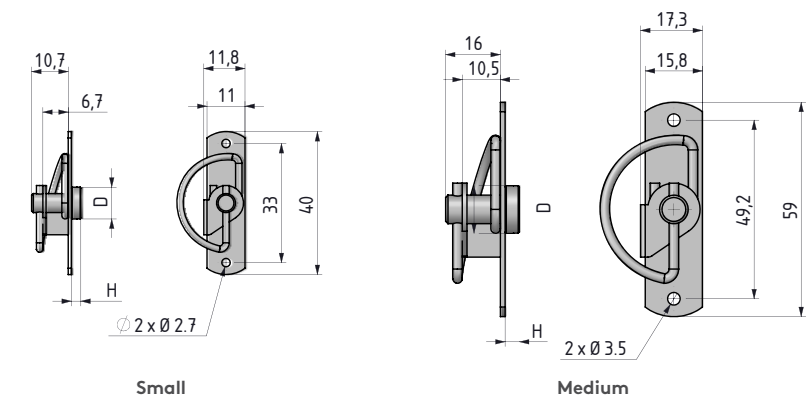
CAM	STOCK CODE	CC	CH	CL	H GRIP	
					MIN	MAX
1	30403606Y	01	0	23	26.2	29.4
2	30403607Y	02	1	23	25.2	28.4
3	30403608Y	03	3.8	23	22.4	25.6
4	30403609Y	04	7	23	19.2	22.4
5	30403610Y	05	10.2	23	16	19.2
6	30403611Y	06	13.4	23	12.8	16
7	30403612Y	07	16.6	23	9.6	12.8
8	30403613Y	08	19.8	23	6.4	9.6
9	30403614Y	09	23	23	3.2	6.4

KNOB	
DD	
94	

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

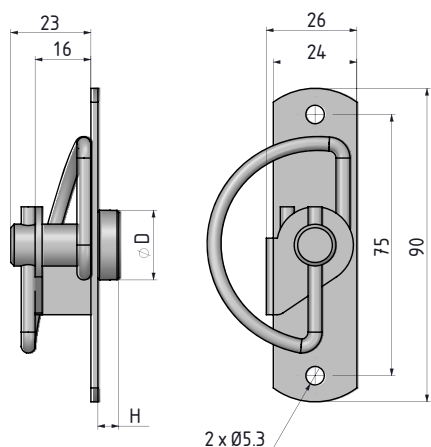
MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Driver	Cam
140	1	F	DD	CC

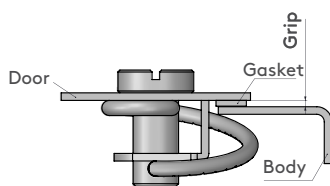


Small

Medium



Large



045

COMPRESSION - SPRING LATCH



- Stainless Steel version: page 469
- 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

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



Hexagon Female



Slot



Knurled

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

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

MATERIAL	M	FINISH	F
Steel	6	Zinc Plated	3

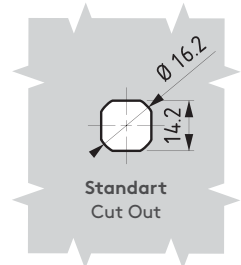
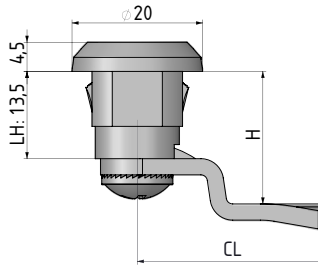
Group Code	Version	Material	Finish	Driver	Cam
045	V	6	3	DD	CC



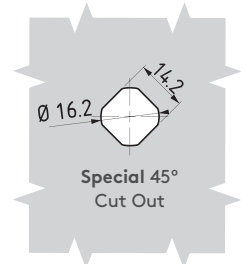
QUARTER-TURN LOCKS

MINI QUARTER TURN – EASY FIXING

366



V: 1



V: 2

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

MATERIAL

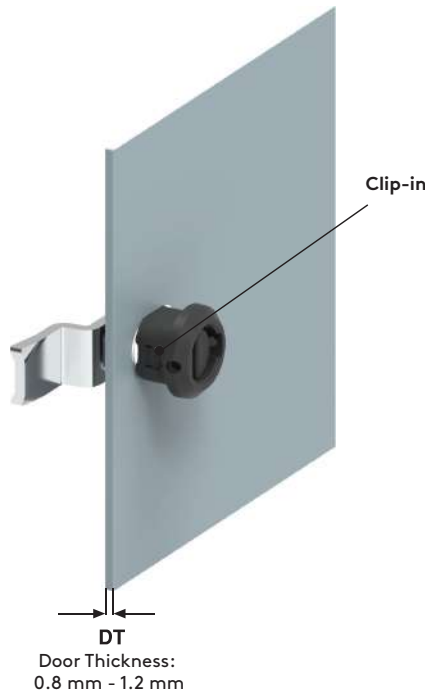
HOUSING: PA6 GFR 30
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel



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

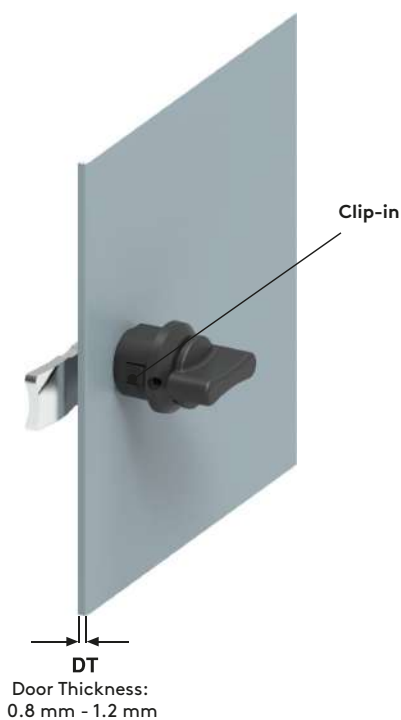
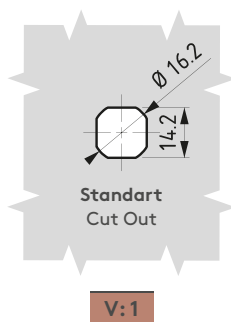
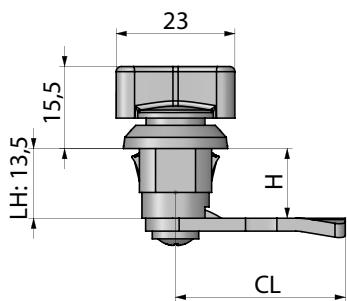


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2
Plastic	2	No finish	0

Group Code	Version	Housing	Driver	Driver No	Cam
366	V	2	0	M F	DD CC



For cams please check pages: 175 (Cam-3)



566

MINI QUARTER TURN –
EASY FIXING



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

MATERIAL

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

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

Group Code	Version	Housing	Knob	Cam
566	1	2	0	M F CC

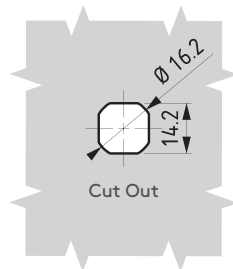
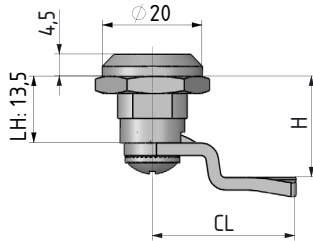
For cams please check pages: 175 (Cam-3)



QUARTER-TURN LOCKS

MINI QUARTER TURN - SPRING LOADED

066



- Stainless steel version: page 456
- Specially designed internal spring provides 1 mm torsion
- Sealing washer not supplied

MATERIAL

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

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



Application Keys
Code: 267

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

Group Code	Housing		Driver		Driver	Cam	IP 65
066	M	F	M	F	DD	CC	*

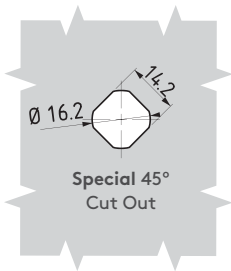
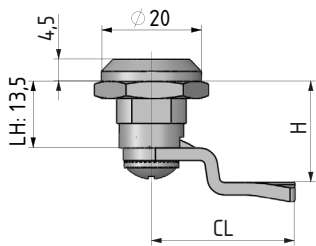
*: add "1" for IP 65



For cams please check pages: 175 (Cam-3)



For keys please check page:191



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

266



MINI QUARTER TURN –
SPRING LOADED



- Stainless steel version: page 456
- Specially designed internal spring provides 1 mm torsion
- Sealing washer not supplied

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



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

Group Code	Housing		Driver		Driver	Cam	IP 65
266	M	F	M	F	DD	CC	*

*: add "1" for IP 65

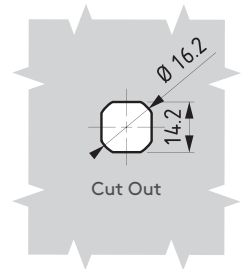
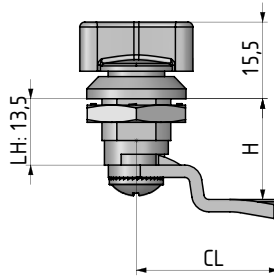
For cams please check pages: 175 (Cam-3)
For keys please check page: 191



QUARTER-TURN LOCKS

MINI QUARTER TURN – WING KNOB

166



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

MATERIAL

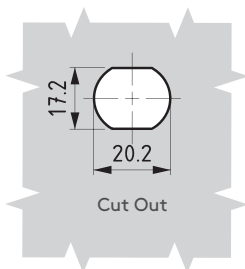
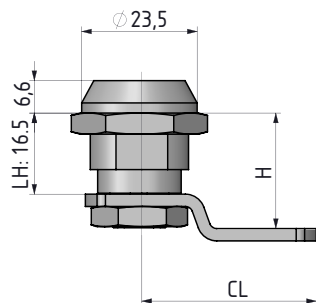
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel

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

Group Code	Housing	Knob	Cam
166	M F	M F	CC



For cams please check pages: 175 (Cam-3)



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

050

CAM LOCK – BALL



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

MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
FINISH
Chrome plated

Application keys:



267-39

669-66

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

Group Code	Material	Finish	Driver	Cam
050	1	F	DD	CC

For cams please check pages: 175 (Cam-2)

QUARTER-TURN LOCKS

PADLOCKABLE – KNOB

055



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

MATERIAL

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

FINISH

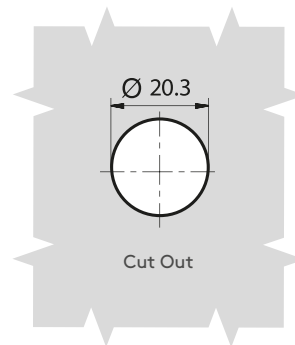
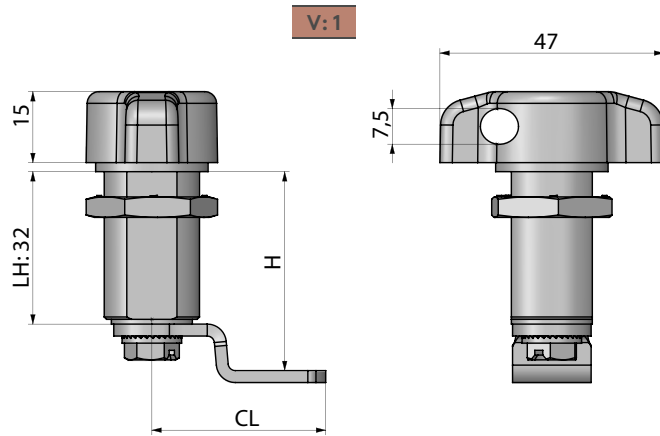
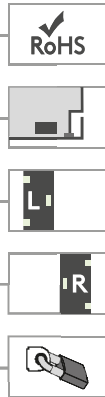
Nickel Plated

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

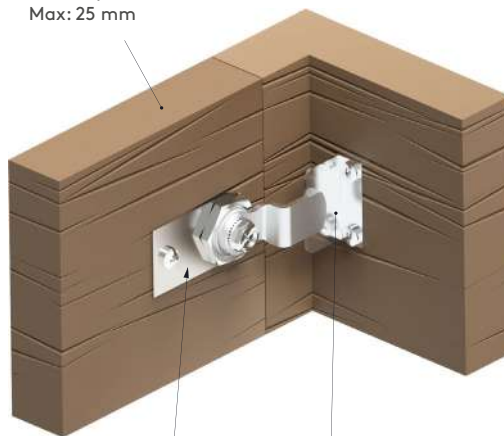
⚠ Note: For ball application please contact Essentra Components

⚠ Note: For ball application please contact Essentra Components

⚠ Note: It is shipped disassembled.



Wooden panel
Max: 25 mm



Lock fixing device

Lock fixing device



Group Code	Version	Cam	Door Direction
055	1	CC	

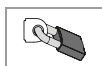
DOOR DIRECTION	
Right hand	001 
Left hand	002 



For cams please check pages: 175 (Cam-1)

055

PADLOCKABLE – KNOB

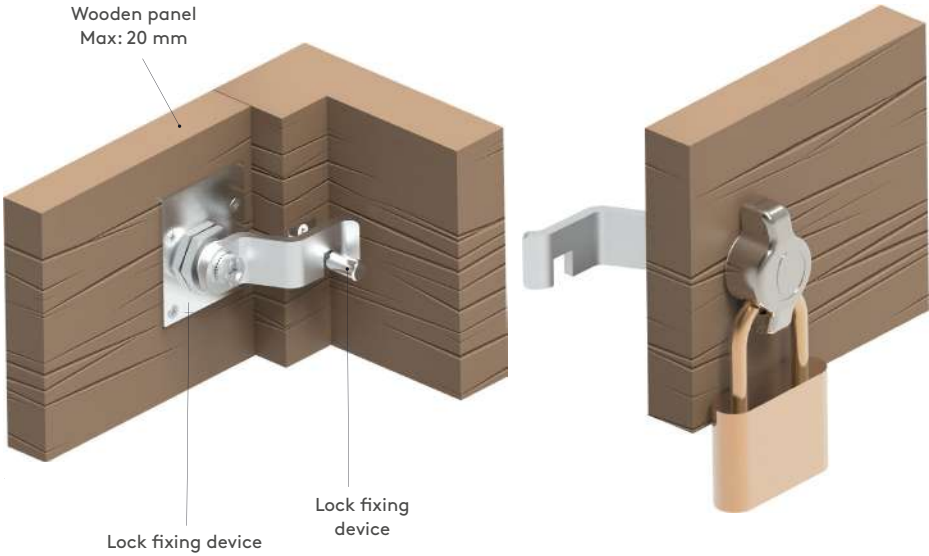
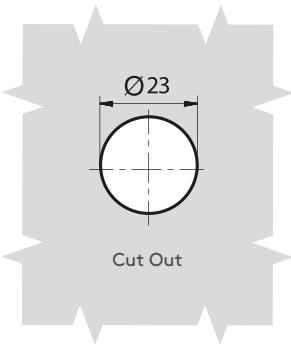
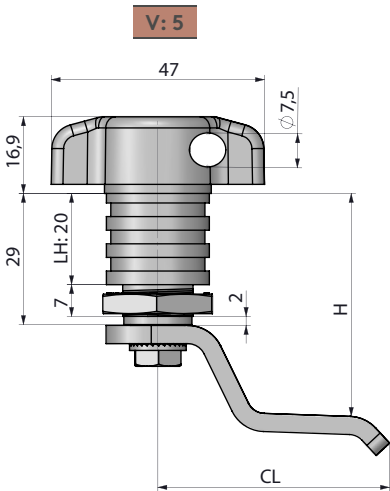


- Padlockable version
- Padlock shackle diameter
Minimum 4 mm – Maximum 6 mm

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.
- ⚠ **Note:** For different cams please contact Essentra Components
- ⚠ **Note:** It is shipped disassembled.



Group Code	Version	Cam	Door Direction
055	5	CC	

DOOR DIRECTION	
Right hand	001
Left hand	002

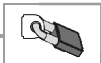
For cams please check pages: 175



QUARTER-TURN LOCKS

PADLOCKABLE – KNOB

055



- Easy assembly by clip
- Can be used for panel thickness 0.8 to 1.2 mm
- Padlockable version
- Padlock shackle diameter
Minimum 4 mm – Maximum 6 mm

MATERIAL

HOUSING: Zamak DIN-EN

1774-ZnAl4Cu1

KNOB:

Zamak DIN-EN

1774-ZnAl4Cu1

CAM:

Steel

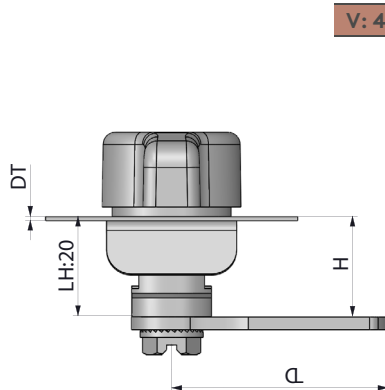
FINISH

Nickel Plated

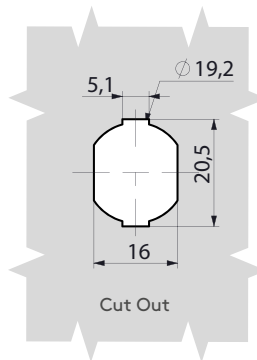
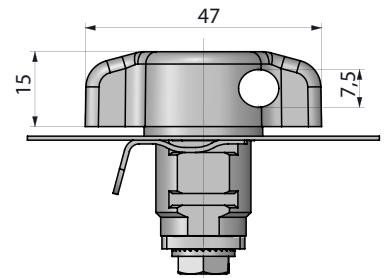
⚠ Note: Not suitable to use with long-shackle padlocks.

⚠ Note: For ball application please contact Essentra Components

⚠ Note: It is shipped assembled.



V: 4

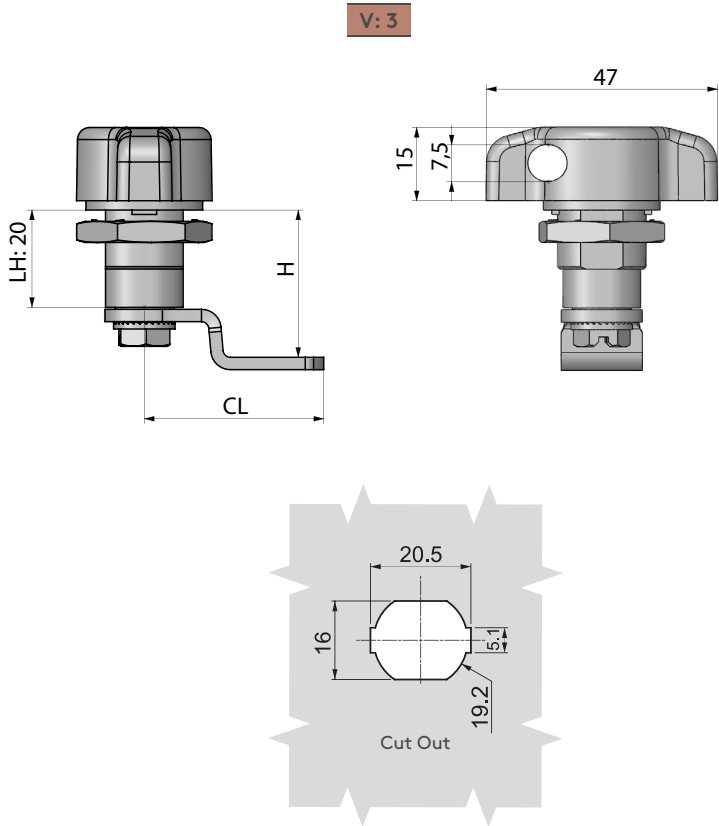


Group Code	Version	Cam	Door Direction
055	4	CC	

DOOR DIRECTION	
Right hand	001
Left hand	002



For cams please check pages: 175 (Cam-1)

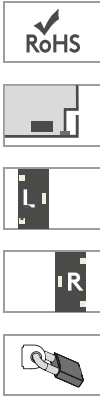


Group Code	Version	Cam	Door Direction
055	3	CC	

DOOR DIRECTION	
Right hand	001
Left hand	002

055

PADLOCKABLE – KNOB



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

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.
- ⚠ **Note:** For ball application please contact Essentra Components
- ⚠ **Note:** It is shipped assembled.

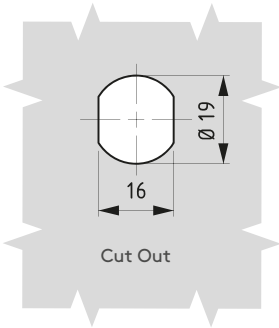
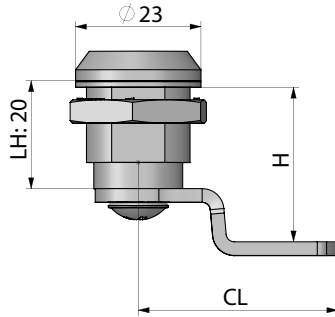
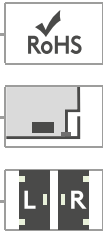
For cams please check pages: 175 (Cam-1)



QUARTER-TURN LOCKS

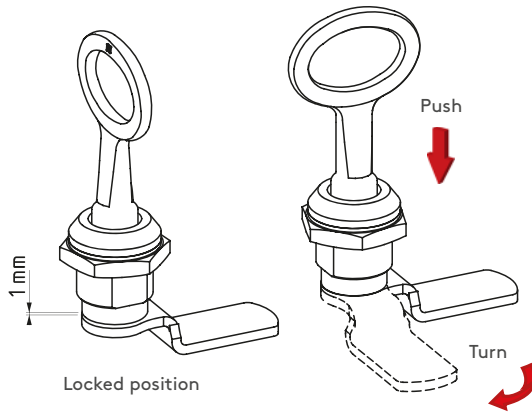
QUARTER TURN – SPRING LOADED

350



- Vibration proof quarter turn
- Opening the lock only possible by pushing and rotating the driver by the key
- Only the key with code 267 is used to unlock this lock.
- Nickel plating is an option

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



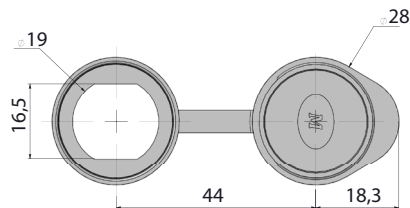
DRIVERS

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



MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2
		Nikel kaplama	4

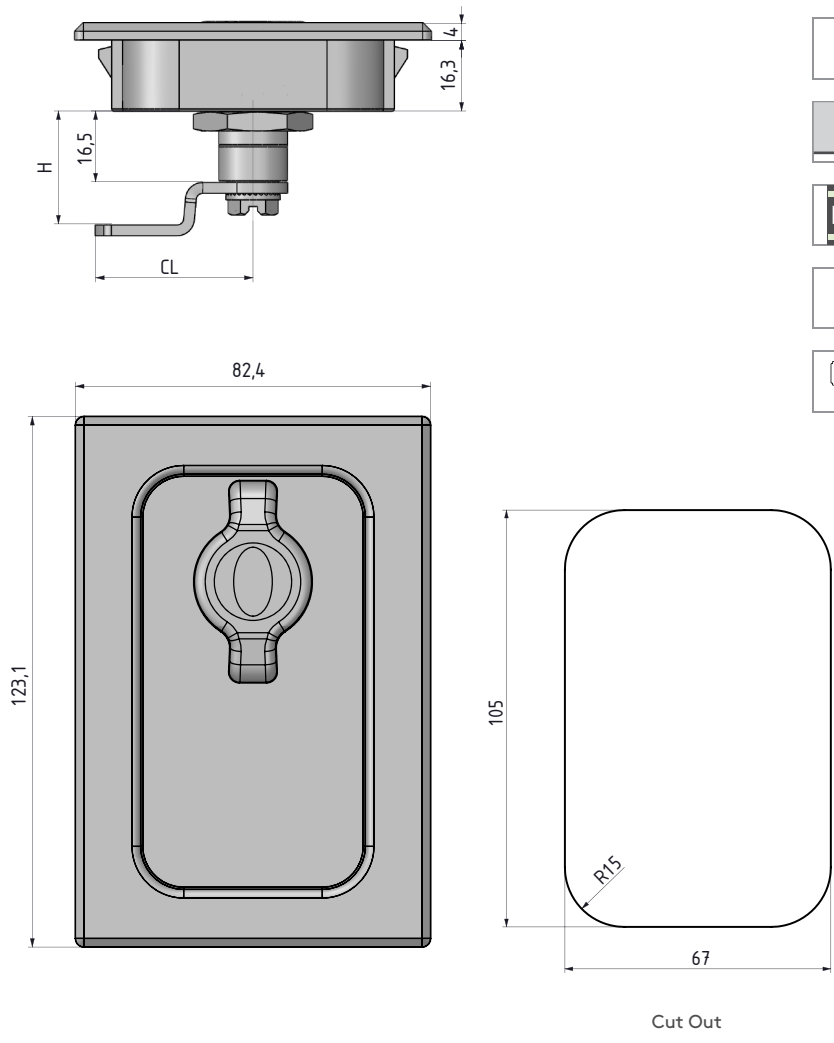
Group Code	Material	Finish	Driver No	Cam
350	1	F	DD	CC



For cams please check pages: 175 (Cam-1)



For keys please check page:191

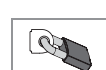


055

CABINET LOCK

NEW

RoHS



MATERIAL
BODY: PA6 GFR 30
KNOB: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
CAM: Steel
FINISH
Body: Nickel Plated

Group Code	Version	Cam	Door Direction
055	6	CC	

DOOR DIRECTION	
Right hand	001
Left hand	002

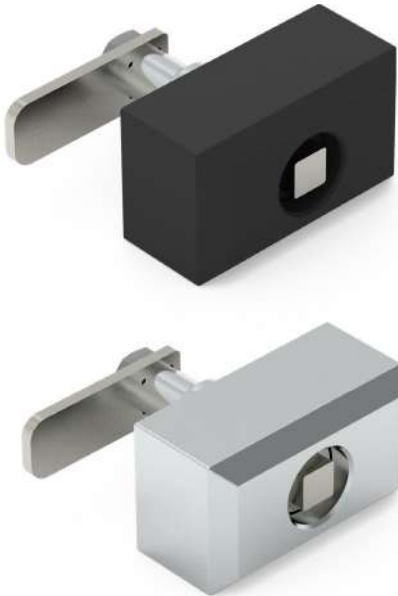
For cams please check pages: 175 (Cam-1)



QUARTER-TURN LOCKS

QUARTER-TURN LOCK

666



MATERIAL

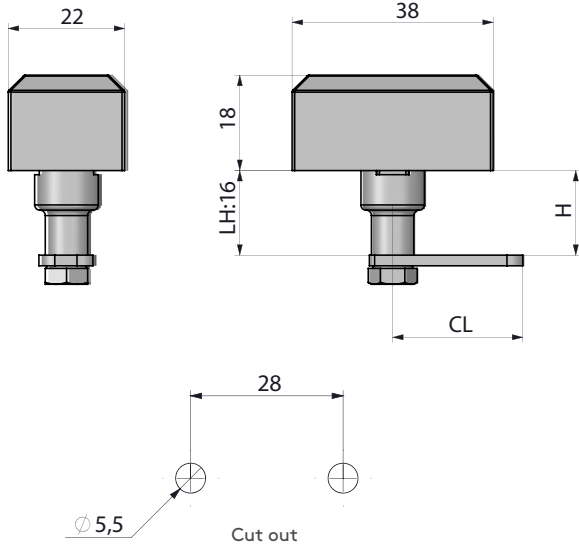
BODY: Zamak DIN-EN 1774-ZnAl4Cu1

DRIVER: Stainless Steel

CAM: Stainless Steel

FINISH

Chrome plated or Black coated



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

MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2
Stainless Steel	4	No finish	0

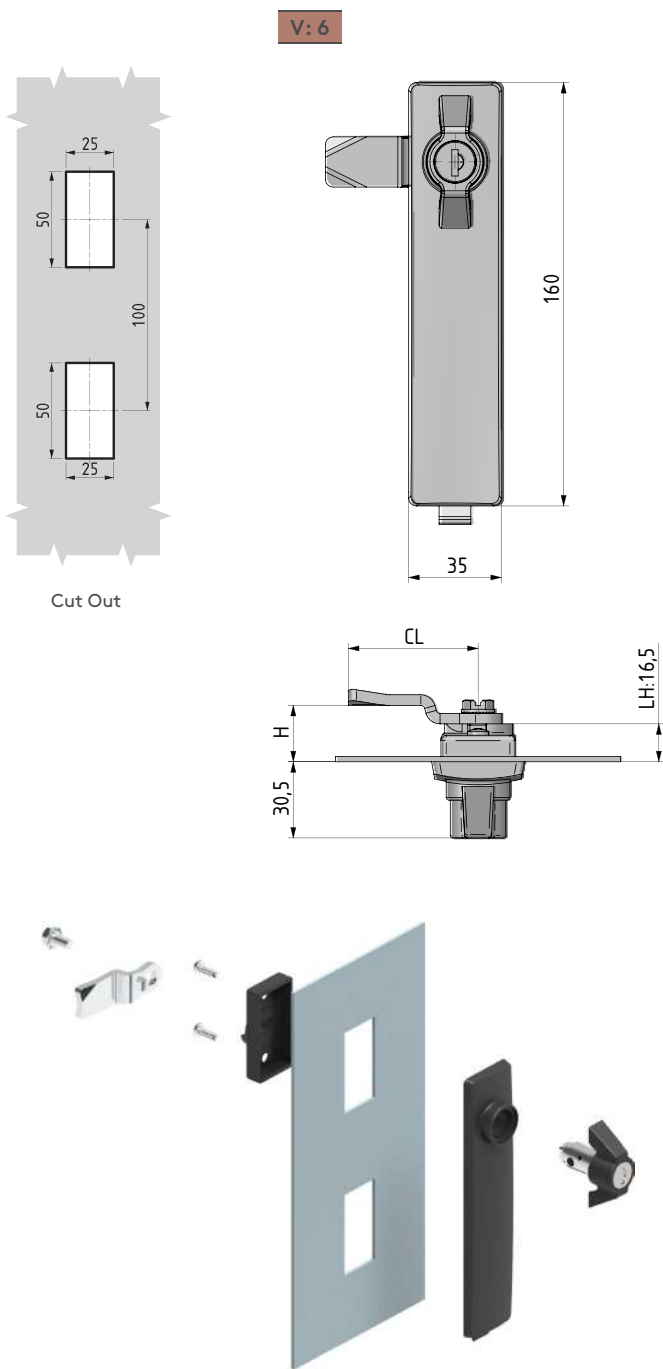
Group Code	Housing	Driver	Driver No	Cam
666	1	F	4	0
			DD	CC



For cams please check pages: 175



For drivers please check pages: 456



203

QUARTER TURN –
WING KNOB



MATERIAL

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

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

Group Code	Version	Cylinder	Cam
203	6	DD	CC

For cams please check pages: 170 - 171



QUARTER-TURN LOCKS

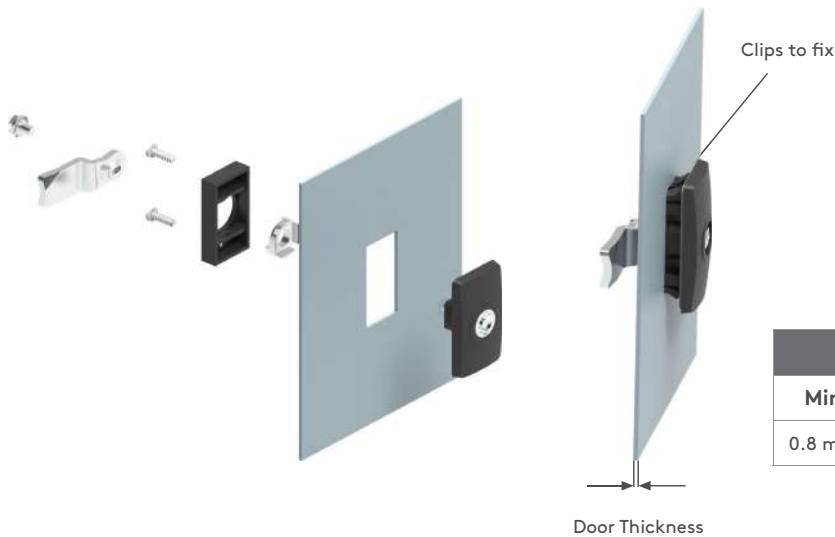
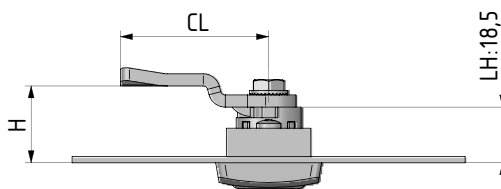
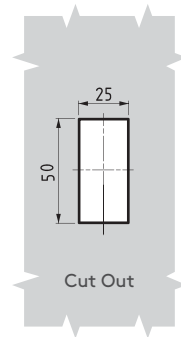
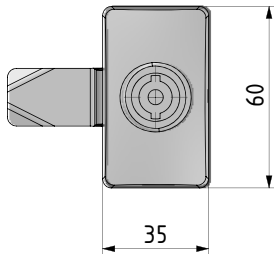
QUARTER-TURN LOCK

103



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

With cover fix

V: 6

Clips to fix

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

Group Code	Version	Driver	Driver No	Cam	
103	V	M	F	DD	CC



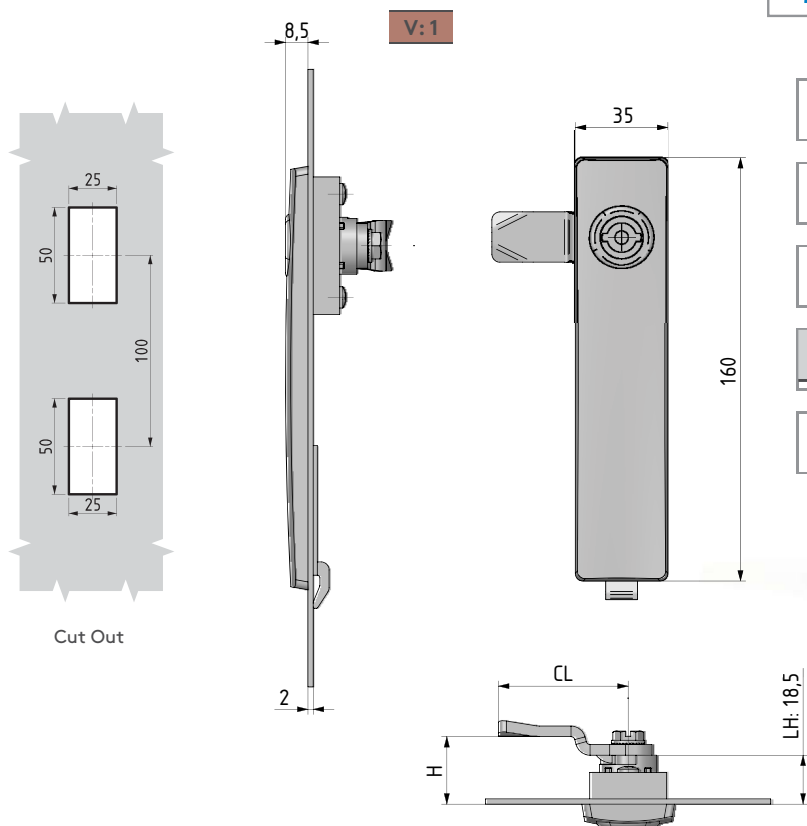
For cams please check pages: 170 - 171



For drivers please check page: 194

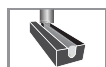


For keys please check pages: 189 - 191



203

QUARTER-TURN LOCK



MATERIAL

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

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

Group Code	Version	Driver		Driver No	Cam
203	1	M	F	DD	CC

- For cams please check pages: 170 - 171
- For drivers please check page: 194
- For keys please check pages: 189 - 191



248



249



250



251



252



253



254



255



256



257



258



259



260



261



262



263



264



264



265



266



267



268



269



270



271



CAM LOCKS

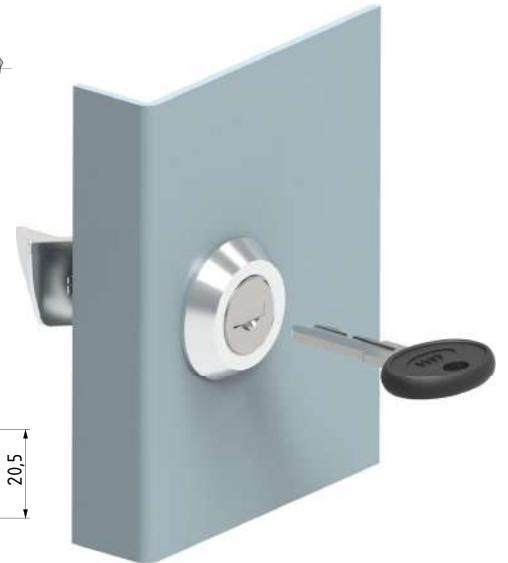
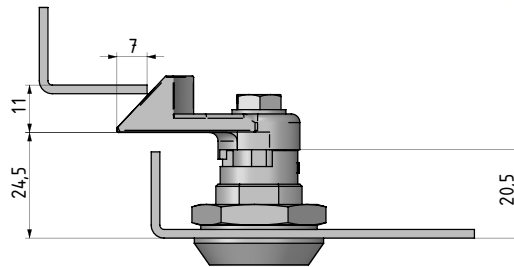
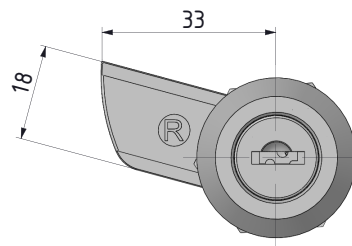
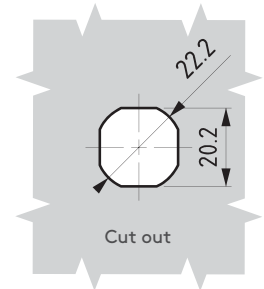
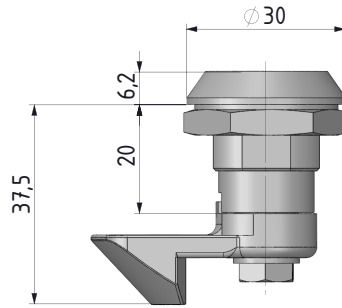
246-271



mesan
ESSENTA COMPONENTS

SPRING CAM LOCK

163



- 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

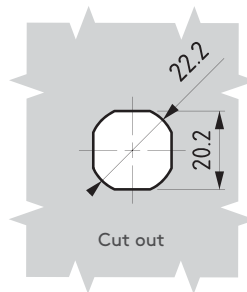
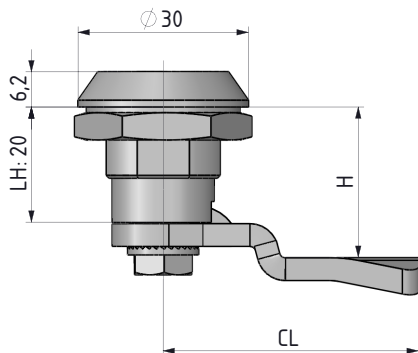
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu11
CAM: Steel
GASKET: Rubber

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

DOOR DIRECTION	
Right hand	001
Left hand	002

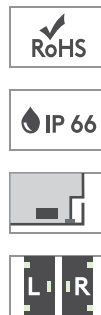
	CYLINDER	DD
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Door Direction
163	1	F	DD	



063

CAM LOCK



- Stainless steel version: page 476
- 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

MATERIAL

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

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

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

Group Code	Material	Finish	Cylinder	Cam
063	M	F	DD	CC

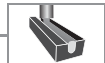
 For cams please check pages: 170 - 171



CAM LOCKS

CAM LOCK – EASY FIXING

761



- Easy assembly by plastic clips
- Applicable on different panel thicknesses
- Standard cut out

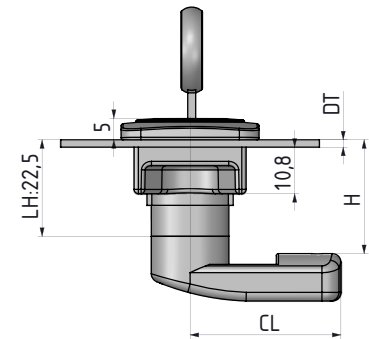
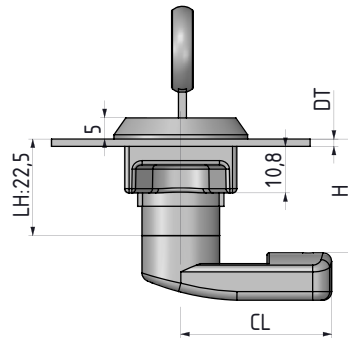
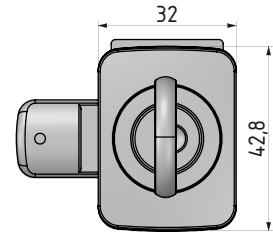
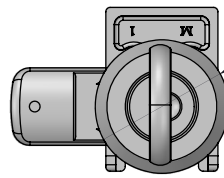
MATERIAL

HOUSING: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30
CAM: Plastic or steel

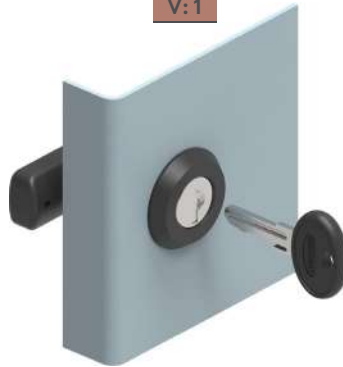


320.02.221
BOLT COVER (For grounding)

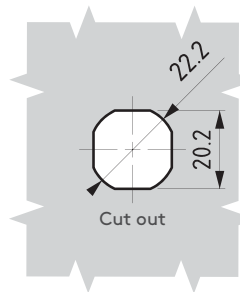
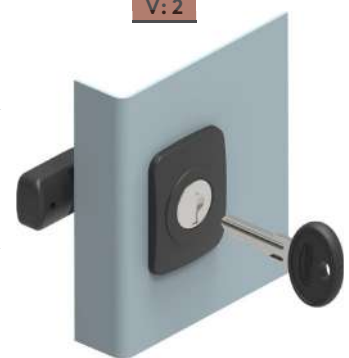
- Can order separately (only for plastic cams)



V:1



V:2



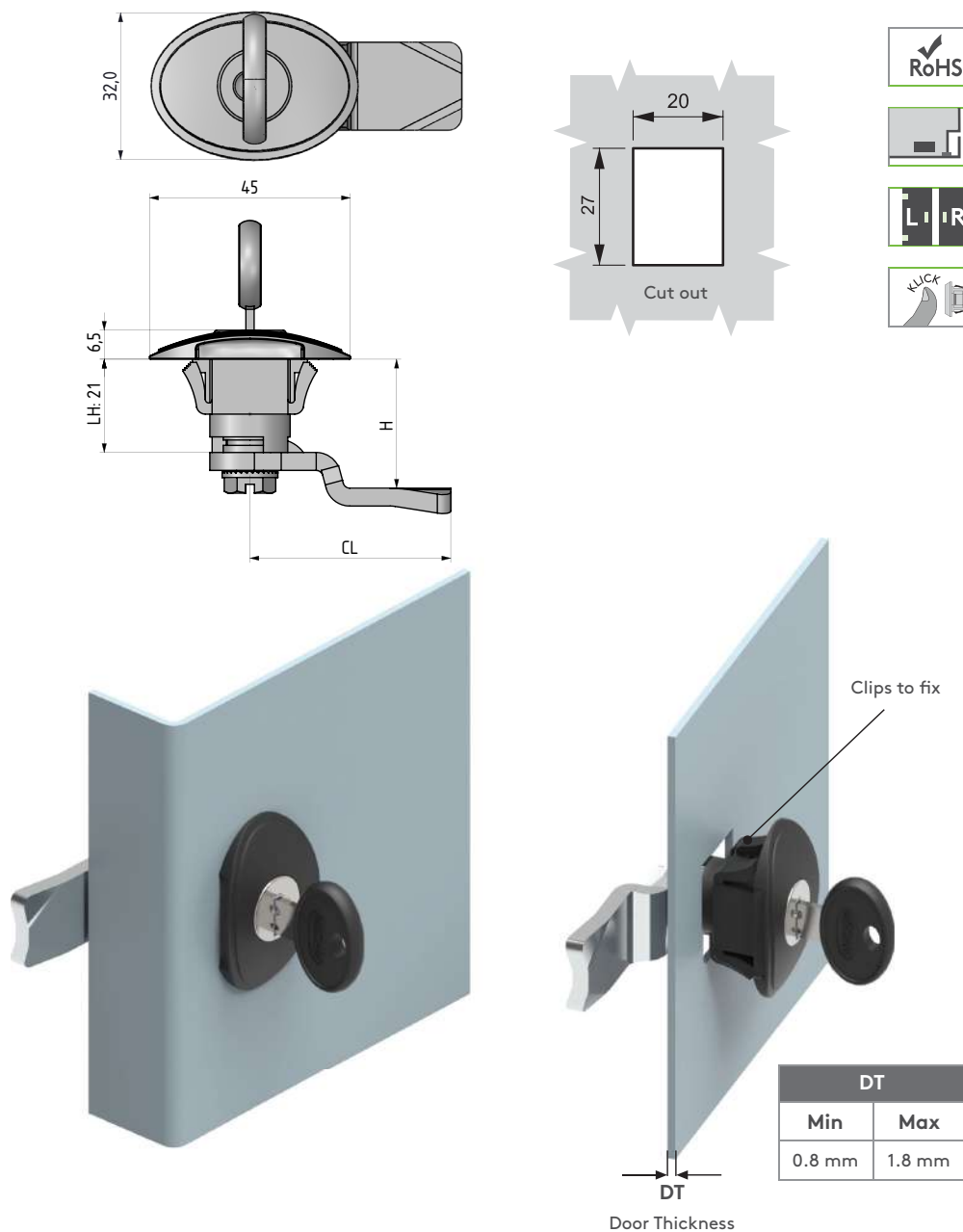
DOOR THICKNESS	DT
1.2 -1.8 mm panel	12
1.8 -2.3 mm panel	23

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

Group Code	Version	Housing	Cylinder	Door Thickness	Cam
761	V	2	0	DD	DT



For cams please check pages: 172 - 173



261

KNOB LOCK



- 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

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

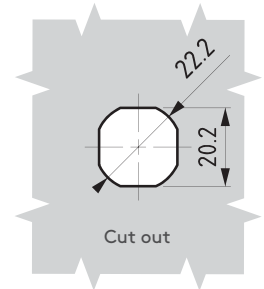
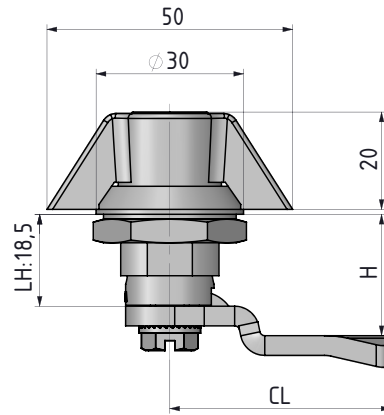
	CYLINDER	DD
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Master System	04
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Material	Finish	Cylinder	Cam
261	2	0	DD	CC

For cams please check pages: 170 - 171

CAM LOCK – WING KNOB

065



- Stainless steel version: page 474
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing knob and housing
- Optional blind version

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

No cylinder '00'

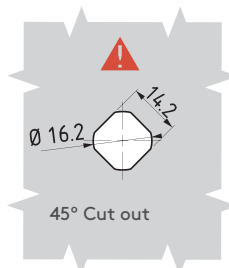
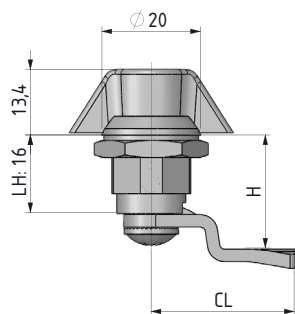


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2
Plastic	2	No finish	0

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

Group Code	Material	Finish	Cylinder	Cam
065	M	F	DD	CC

For cams please check pages: 170 - 171



165

MINI CAM LOCK – WING KNOB



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

MATERIAL

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

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

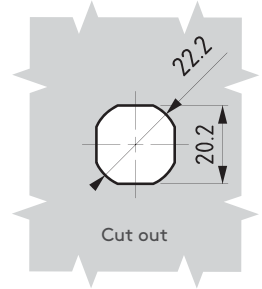
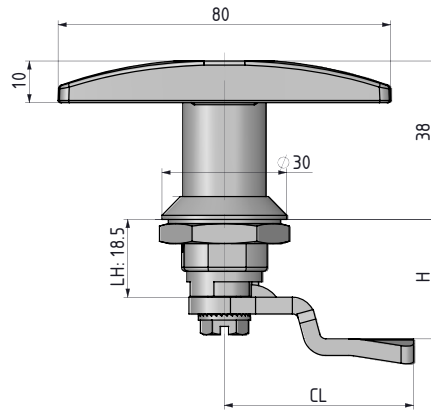
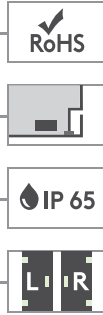
	CYLINDER	DD
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32

Group Code	Material	Finish	Cylinder	Cam
165	1	F	DD	CC

 For cams please check page: 175

CAM LOCK – T HANDLE

110



- Stainless steel version: page 472
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

MATERIAL

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



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

	CYLINDER	DD
	No cylinder	00
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

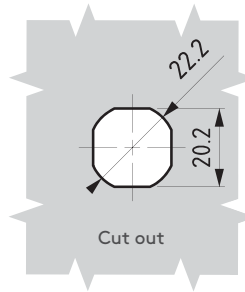
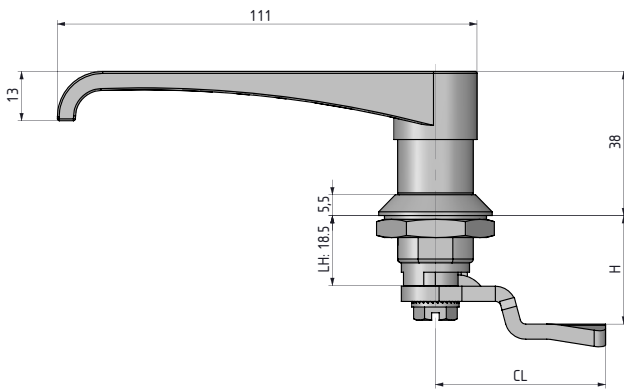
Group Code	Material	Finish	Cylinder	Cam
110	M	F	DD	CC



For cams please check pages: 170 - 171

111

CAM LOCK – L HANDLE



- Stainless steel version: page 473
- Quarter-turn operation
- Available in all die-cast zinc alloy or with polyamide wing handle and housing
- Optional blind version

MATERIAL

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

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

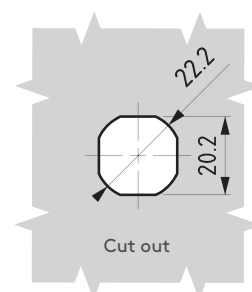
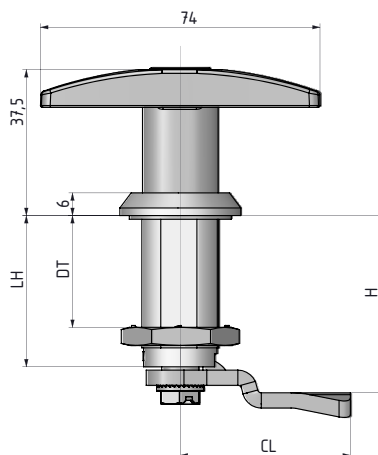
	CYLINDER		DD
	No cylinder		00
	Keyed alike (Stainless steel dust cap)		03
	Keyed differ (Stainless steel dust cap)		32
	Euro key (5333)		05
	CH751 (Stainless steel dust cap)		07

Group Code	Material	Finish	Cylinder	Cam
111	M	F	DD	CC

For cams please check pages: 170 - 171

CAM LOCK - T HANDLE

064



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

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



DT	LH
20	30
30	40
40	50
50	60

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

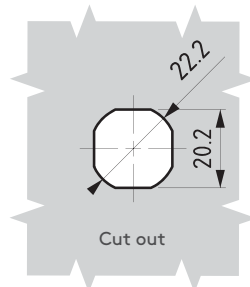
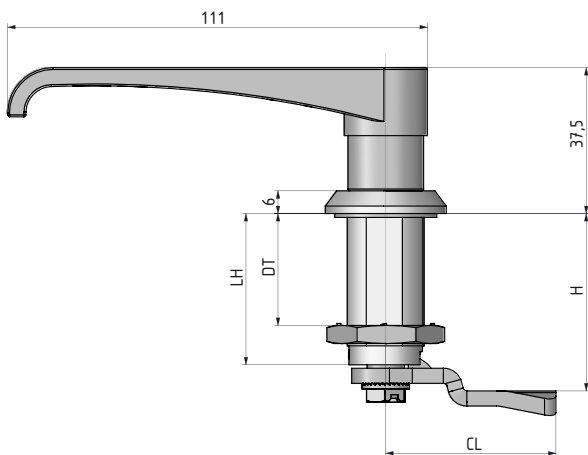
	CYLINDER	DD
	No cylinder	00
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

Group Code	Handle	Door Thickness	Material	Finish	Cylinder	Cam
064	110	DT	M	F	DD	CC

For cams please check pages: 170 - 171

064

CAM LOCK – L HANDLE



DT	LH
20	30
30	40
40	50
50	60



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

MATERIAL

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel or Plastic

GASKET: Rubber

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

	CYLINDER	DD
	No cylinder	00
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

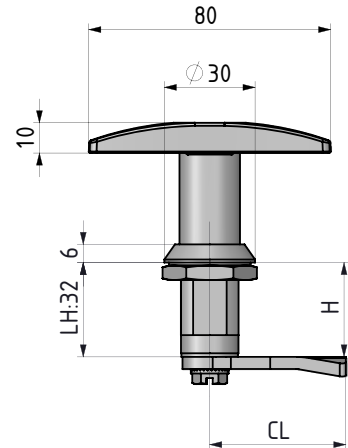
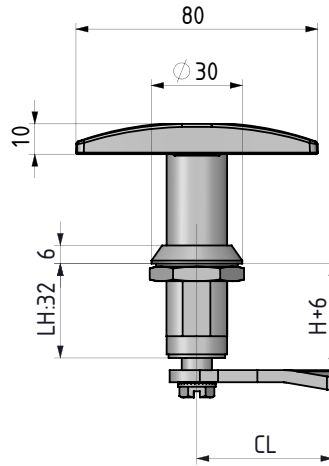
Group Code	Handle	Door Thickness	Material	Finish	Cylinder	Cam
064	111	DT	M	F	DD	CC

For cams please check pages: 170 - 171

CAM LOCKS

COMPRESSION LOCK – T HANDLE

240



- 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

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

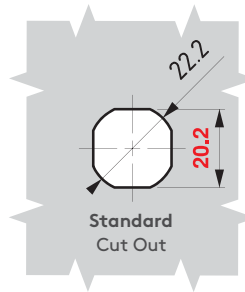
CAM: Steel

GASKET: Rubber

FINISH

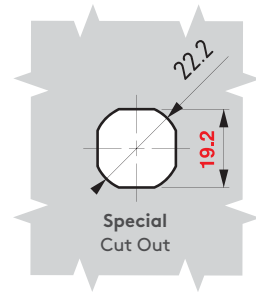
Chrome or black coated

V: 1



Standard Cut Out

V: 3



Special Cut Out

Attention

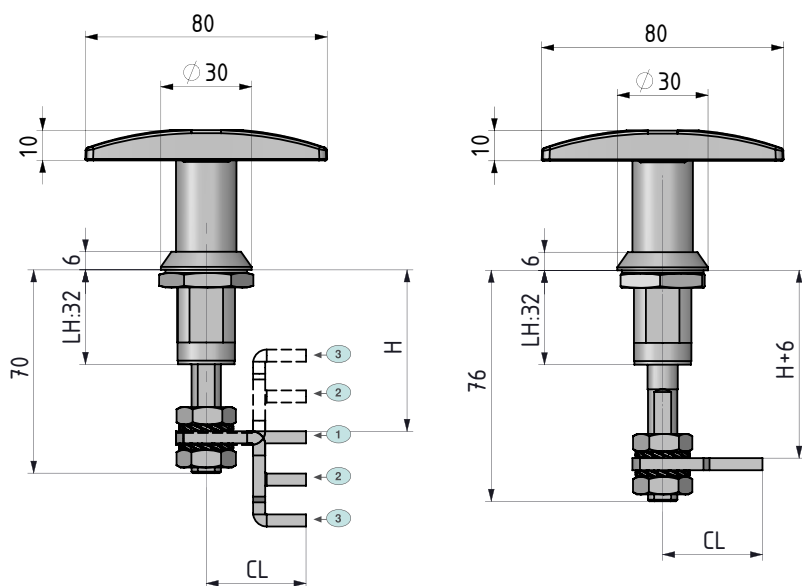
MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

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

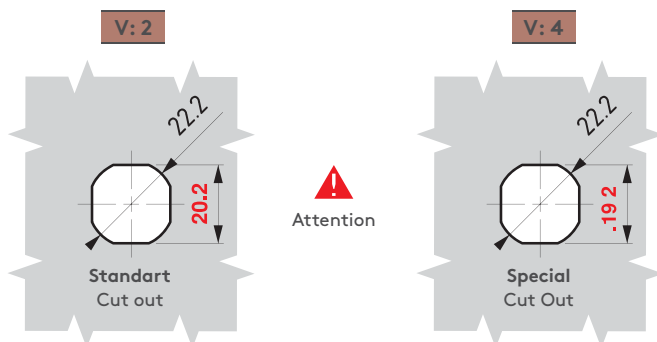
Group Code	Version	Material	Finish	Cylinder	Cam
240	V	1	F	DD	CC



For cams please check page:: 172 - 173



CAM	STOCK CODE	CC	CH	CL	POSITION	H: GRIP	
						MIN	MAX
1	30403565Y	01	0	33	Flat	41	58
2	30403566Y	02	14	33	Up	27	44
					Down	55	72
3	30403567Y	03	27,5	33	Up	13,5	30,5
					Down	68	85



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

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

Group Code	Version	Material	Finish	Cylinder	Cam
240	V	1	F	DD	CC

240

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

MATERIAL

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

FINISH

Chrome or black coated

FIXING DEVICE

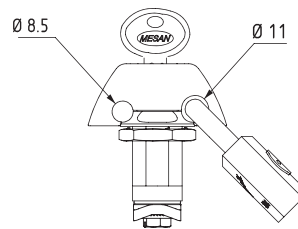
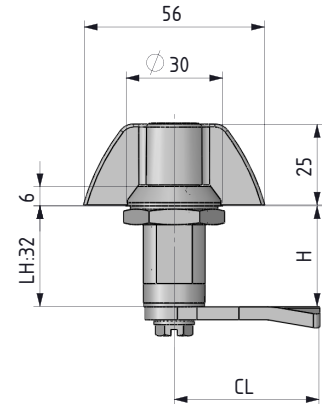
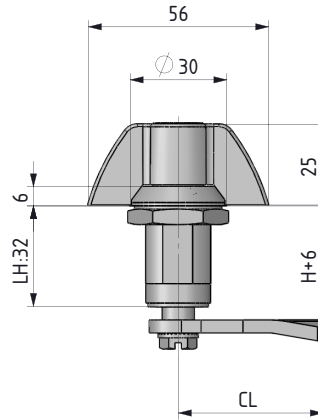


- Can be ordered separately
ORDER CODE: 060 A3.

CAM LOCKS

COMPRESSION LOCK – WING KNOB

340



Padlock application

- 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
- Shackle diameter is
for 11 mm hole: min. 8.5 mm
max. 10 mm
for 8.5 mm hole:
min. 6 mm
max. 7.5 mm

MATERIAL

HOUSING: Zamak DIN-EN

1774-ZnAl4Cu1

KNOB: Zamak DIN-EN

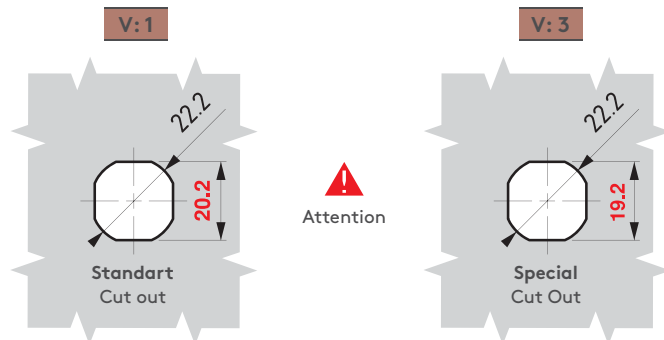
1774-ZnAl4Cu1

CAM: Steel

GASKET: Rubber

FINISH

Chrome or black coated



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

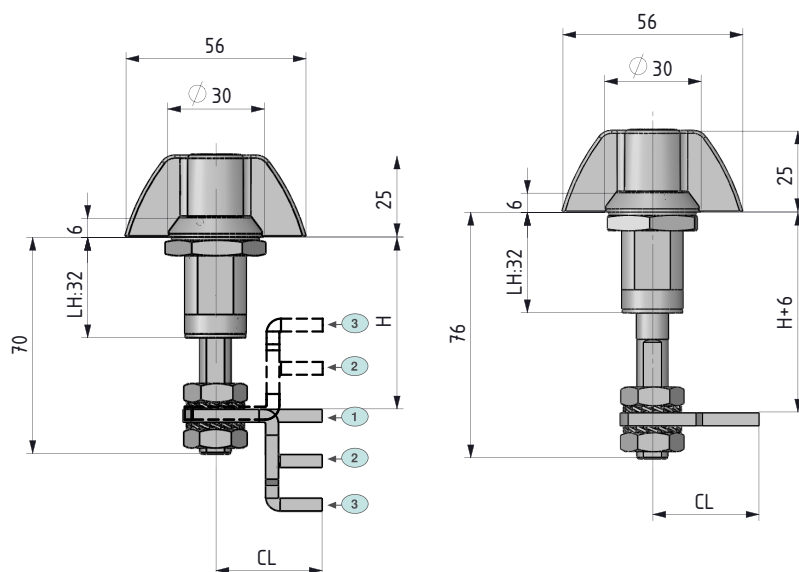
	CYLINDER	DD
	No cylinder	00
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	CH751 (Stainless steel dust cap)	07

Group Code	Version	Material	Finish	Cylinder	Cam	Padlock *
340	V	1	F	DD	CC	

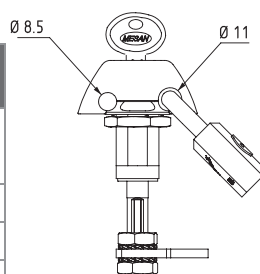


For cams please check page:: 172 - 173

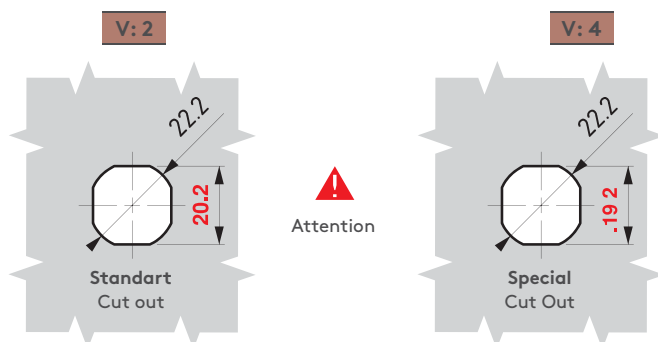
*: add "1" for padlock application.



CAM	STOCK CODE	CC	CH	CL	POSITION	H: GRIP MIN	H: GRIP MAX
1	30403565Y	01	0	33	Flat	41	58
2	30403566Y	02	14	33	Up	27	44
					Down	55	72
3	30403567Y	03	27,5	33	Up	13,5	30,5
					Down	68	85



Padlock application



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

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

Group Code	Version	Material	Finish	Cylinder	Cam	Padlock *
340	V	1	F	DD	CC	

*: add "1" for padlock application.

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
- Shackle diameter is
 - for 11 mm hole: min. 8.5 mm max. 10 mm
 - for 8.5 mm hole: min. 6 mm max. 7.5 mm

MATERIAL

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

FINISH

Chrome or black coated

FIXING DEVICE



- Can be ordered separately
ORDER CODE: 060 A3.

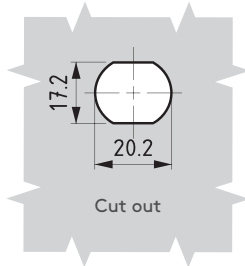
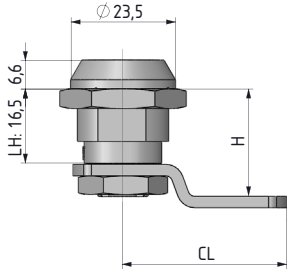
CAM LOCKS

CAM LOCK

050



RoHS



MATERIAL
HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel
FINISH
 Chrome plated



V: 1

KEY ROTATION ANGLE



V: 2

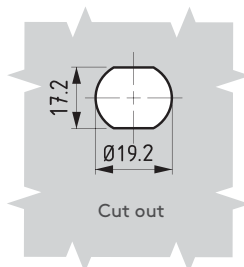
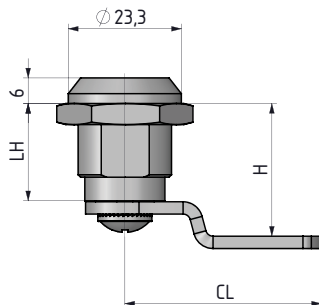
KEY ROTATION ANGLE



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

Group Code	Version	Cylinder	Cam
050	V	DD	CC

For cams please check page: 175 (Cam-2)



LH
20
25
30

KEY ROTATION ANGLE



050

CAM LOCK



MATERIAL
 HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Steel
FINISH
 Chrome plated

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

Group Code	Housing Length	Cylinder	Cam
050	LH	DD	CC

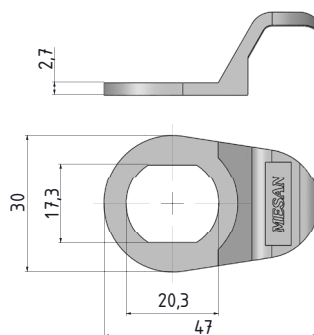
 For cams please check page: 175 (Cam-1)

CAM LOCKS

HANDLE FOR LOCK



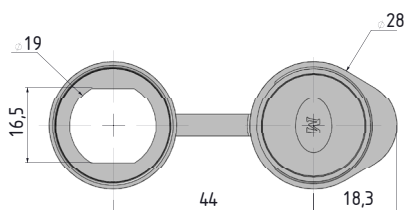
050 A3



DUST CAP



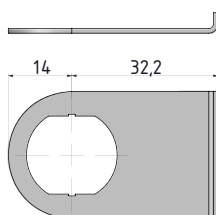
050 A4



CAM LOCK FIXING PLATE FOR GLASS



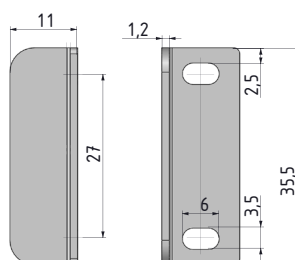
050 A1



STRIKING PLATE



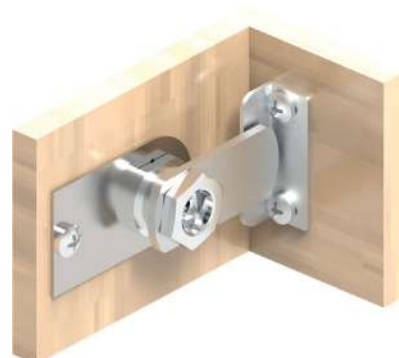
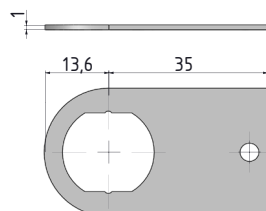
030 A1



CAM LOCK FIXING PLATE FOR WOOD



055 A1



450

CAM LOCK SPRING LOADED

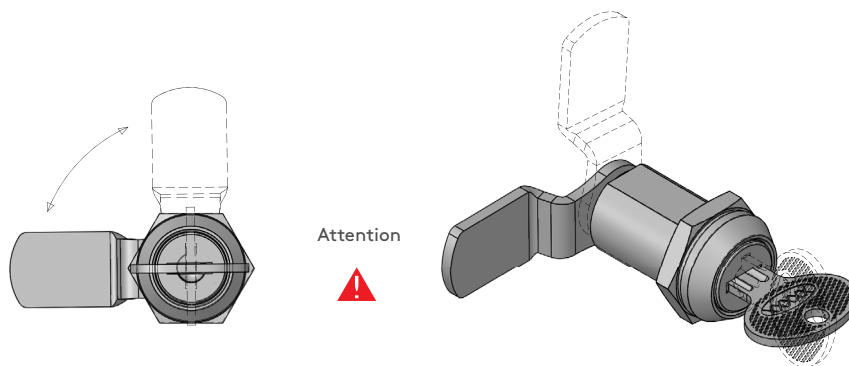
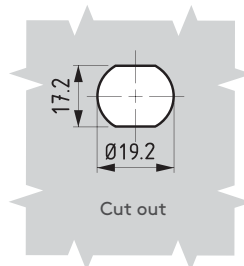
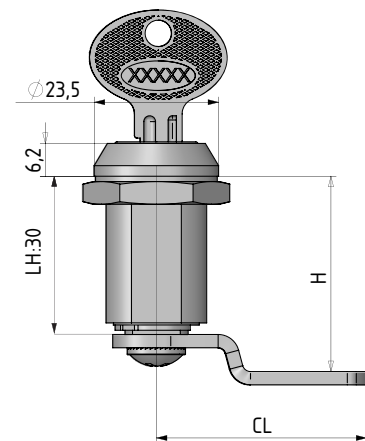
NEW

RoHS



MATERIAL
 HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1
 CAM: Steel
FINISH
 Chrome plated

KEY ROTATION ANGLE



Cam throws back when the key is turned

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

Group Code	Cylinder	Cam
450	DD	CC

For cams please check page: 175 (Cam-1)



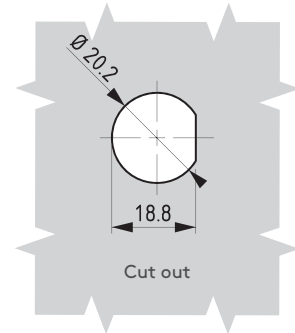
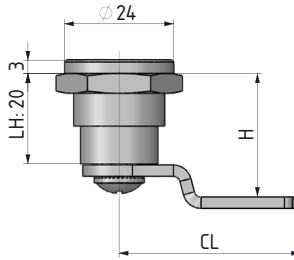
CAM LOCKS

CAM LOCK

150



RoHS



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

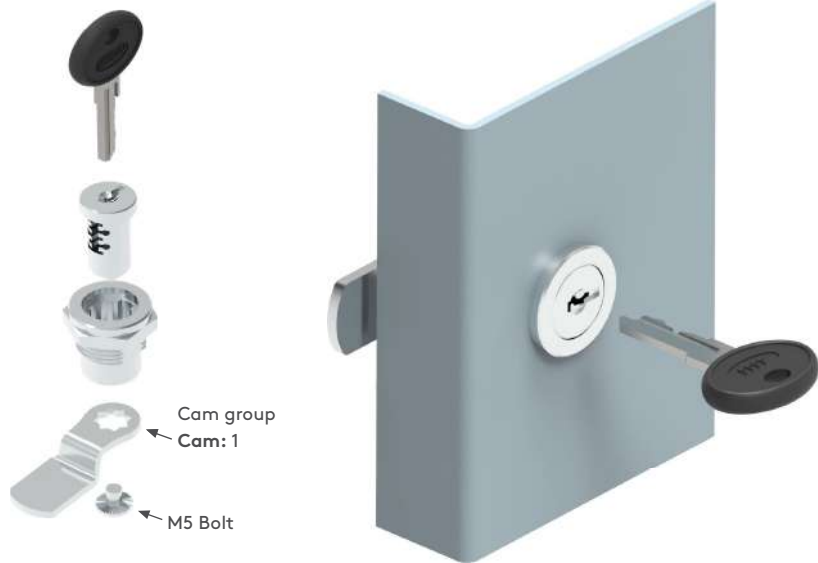
MATERIAL

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

FINISH

Chrome plated

KEY ROTATION ANGLE



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

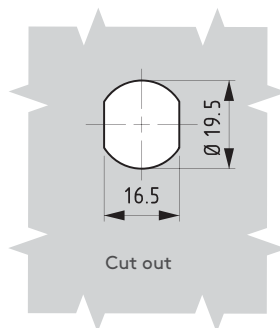
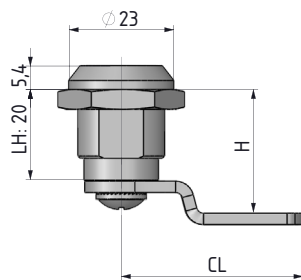
Group Code	Housing Length	Cylinder	Cam
150	20	DD	CC



For cams please check page: 175 (Cam-1)

250

CAM LOCK



MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

FINISH

Chrome plated



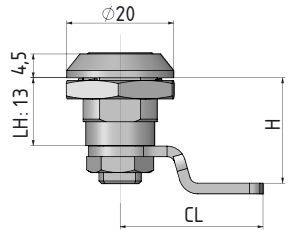
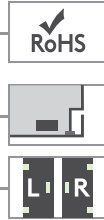
	CYLINDER	DD
	Keyed alike (Stainless steel dust cap)	03
	Keyed differ (Stainless steel dust cap)	32
	Euro key (5333)	05

Group Code	Housing Length	Cylinder	Cam
250	20	DD	CC

 For cams please check page: 175 (Cam-1)

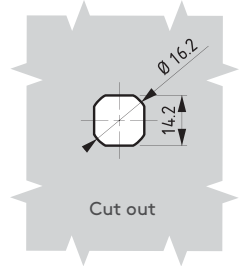
MINI CAM LOCK

057



V:1

Fixed by nut



Cut out

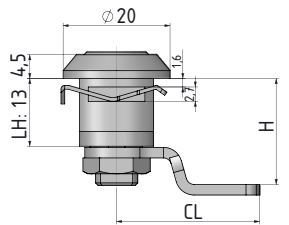
- Keyed differ has maximum 100 key combination
- Panel thickness in clips version It is between 0.8 mm-1.2 mm.

MATERIAL

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

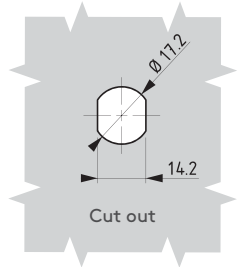
FINISH

Chrome



V:3

Fixed by clips



Cut out

KEY ROTATION ANGLE



	CYLINDER	
	DD	
	03	
	32	

Group Code	Version	Cylinder	Cam
057	V	DD	CC



For cams please check page: 175 (Cam-4)

157

RoHS

L | R

DOOR THICKNESS

1.2 -1.5 mm

0.8 -1.2 mm

VERSION

1

2

Fixed by clips

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

* Hook cam (CC: 29)

157

RoHS

L | R

MINI CAM LOCK

• Suitable for both steel and aluminium profile

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

KEY ROTATION ANGLE

90°

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

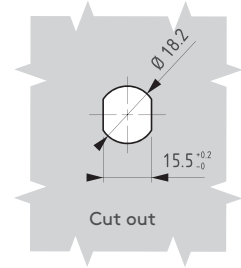
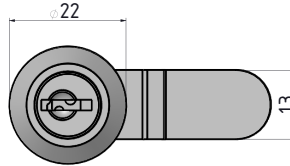
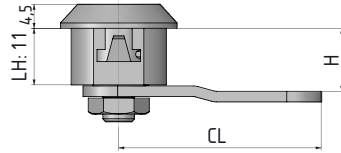
Group Code	Version	Cylinder	Cam
157	V	DD	CC

e-mail | info@mesanlocks.com web | www.mesanlocks.com

269

MINI CAM LOCK

257



- Easy assembly with clips on housing
- Panel thickness is max 1.7 mm.

MATERIAL

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

CAM: Steel

FINISH

Chrome

KEY ROTATION ANGLE



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

Hook cam (CC: 29)

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

Group Code	Cylinder	Cam
257	DD	CC

056

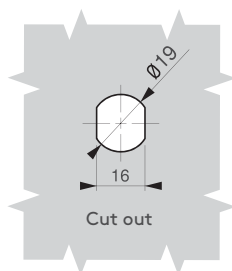
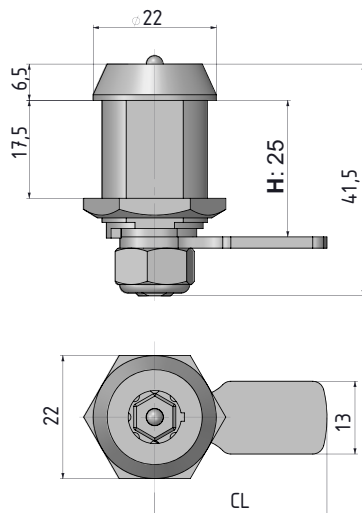
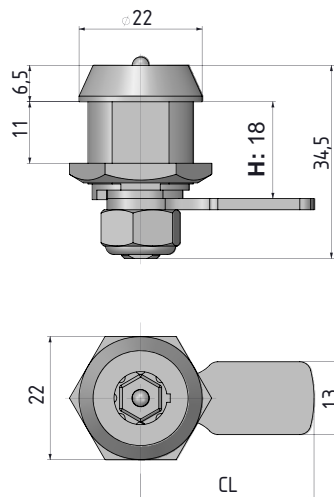
CAM LOCK



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

MATERIAL

HOUSING: Brass
CAM: Steel
NUT: Brass



	CYLINDER	DD
	Keyed alike	01
	Keyed differ	02

Group Code	Grip	Cylinder
056	H	DD

 For cams please check page: 175 (Cam-1)



274



274



275



275



276



276



277



277



278



279



280



281



282



283



284



285



FURNITURE & STEEL CUPBOARD LOCKS

272-285



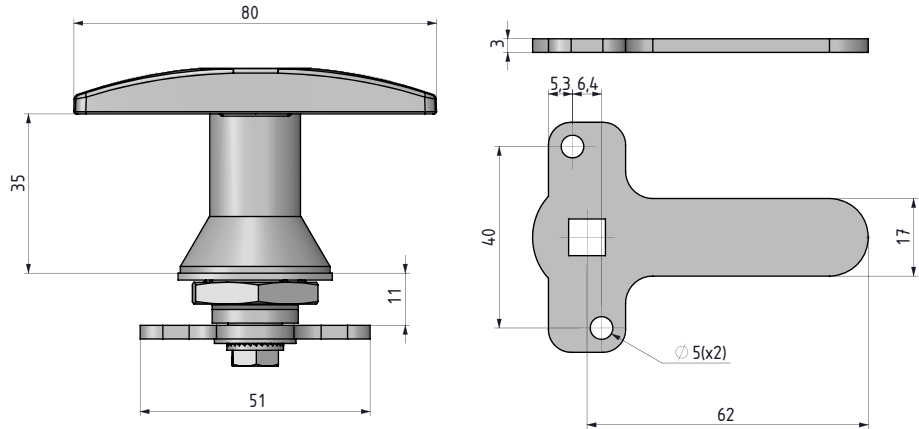
mesan
ESSENTA COMPONENTS



STEEL CUPBOARD LOCKS

CAM LOCK – T HANDLE

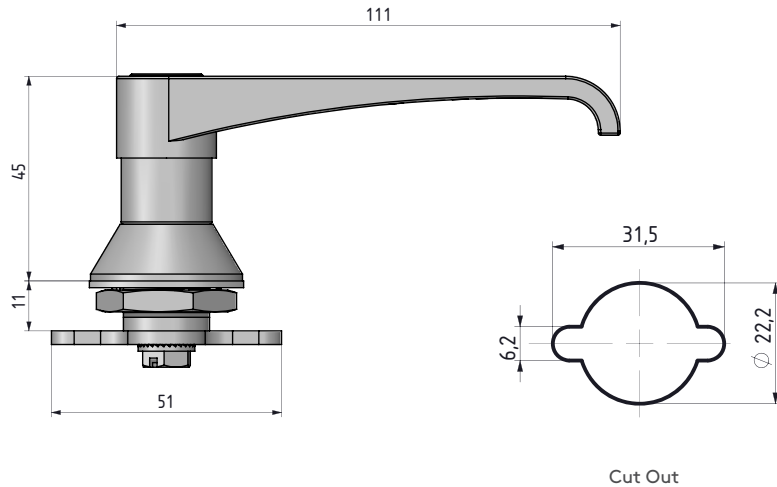
010



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

CAM LOCK – L HANDLE

011



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

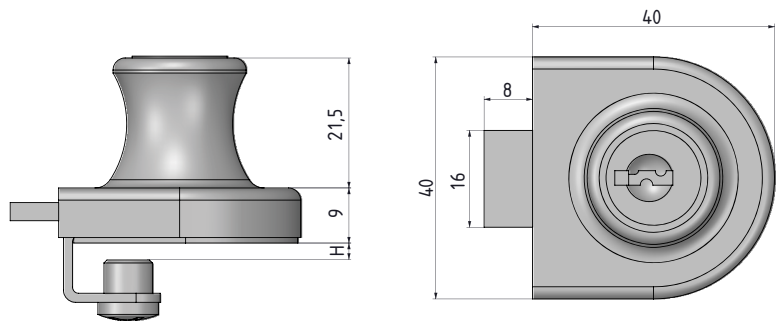
CYLINDER	SPECIFICATIONS	DD
	No cylinder	00
	Keyed alike	01
	Keyed differ	02
	Euro key (5333)	05
	CH751 (Stainless steel dust cap)	07

MATERIAL	M	FINISH	F	DOOR DIRECTION
Zamak	1	Chrome plated	1	Right hand 001 
		Black coated	2	Left hand 002 

Group Code	Material	Finish	Cylinder	Door Direction
	1	F	DD	

021

GLASS-DOOR LOCK



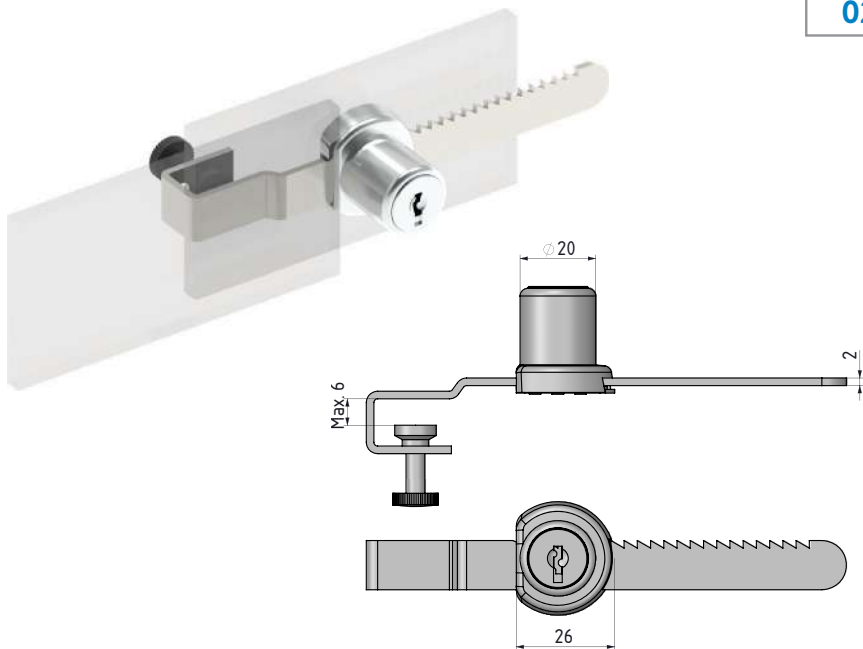
H: Glass Thickness
min : 4 mm
max: 7 mm



MATERIAL
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FINISH
Chrome plated

020

SLIDING-GLASS DOOR LOCK



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

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

Group Code	Cylinder
	DD

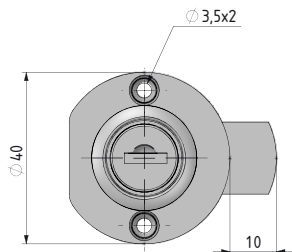
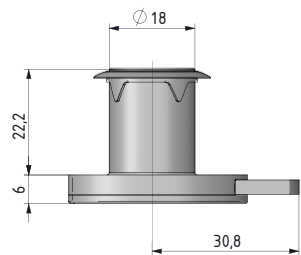


FURNITURE LOCKS

FURNITURE LOCK

132

NEW



Cut Out



MATERIAL

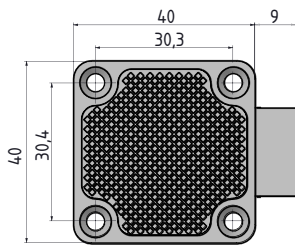
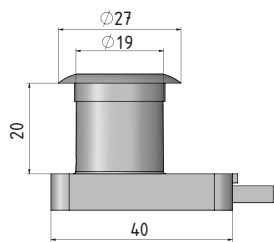
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH

Chrome plated

FURNITURE LOCK

032



Cut Out



MATERIAL

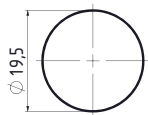
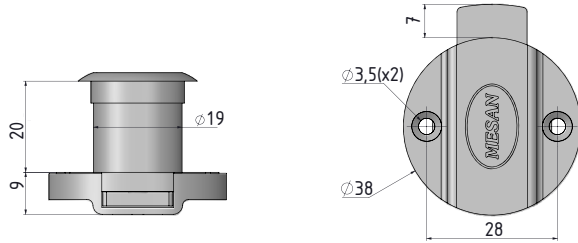
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
CAM: Steel

FINISH

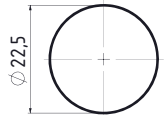
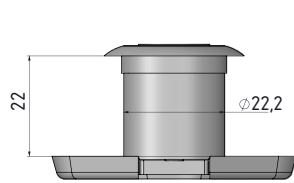
Chrome plated

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

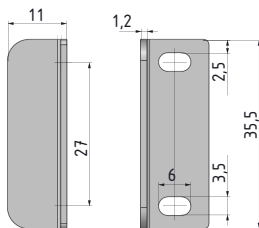
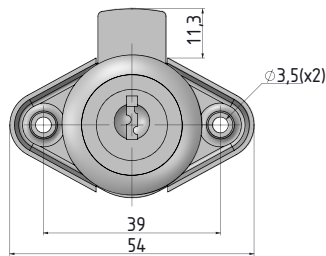
Group Code	Cylinder
	DD



Cut Out



Cut Out



033

FURNITURE LOCK



MATERIAL

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

030

FURNITURE LOCK



MATERIAL

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

FINISH

Chrome plated

030 A1

STRIKING PLATE



MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

FINISH

Nickel plated

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

Group Code	Cylinder
	DD



SLIDING-DOOR LOCK

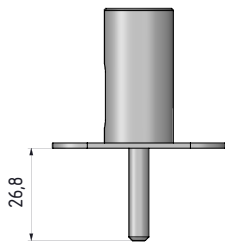
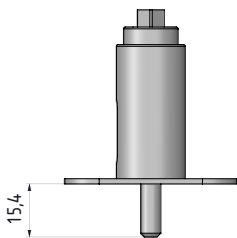
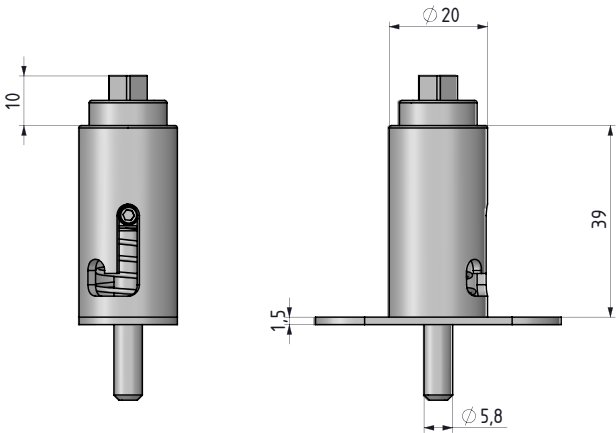
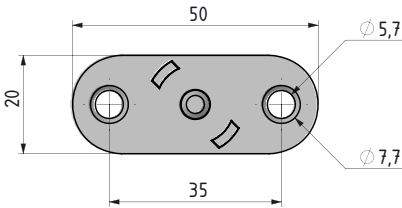
159

NEW



MATERIAL

BODY: Stainless Steel
DRIVER: Stainless Steel



Unlocked position

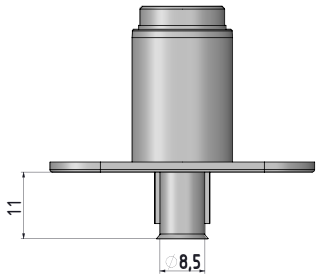
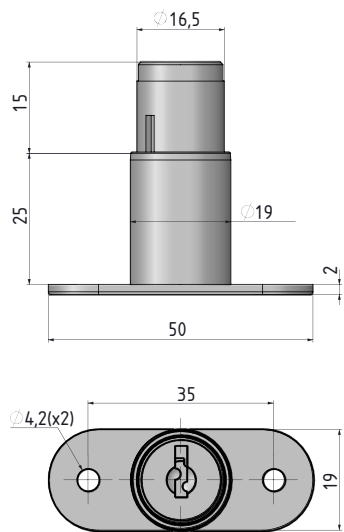


Locked position

Group Code	Material	Finish
159	4	0

059

SLIDING-DOOR LOCK



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

MATERIAL

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

FINISH

Chrome plated



Unlocked position



Locked position

CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

Group Code	Cylinder
059	DD

COMBINATION LOCK

4150



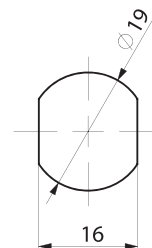
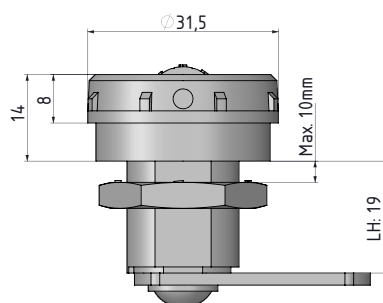
MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

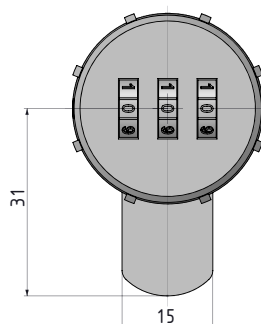
CAM: Steel

FINISH

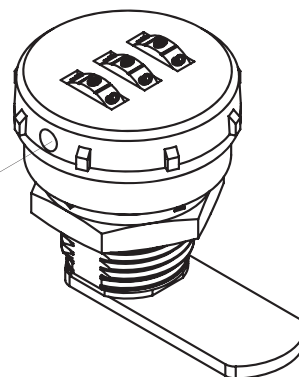
Chrome plated



Cut Out



Button for changing
the code



035

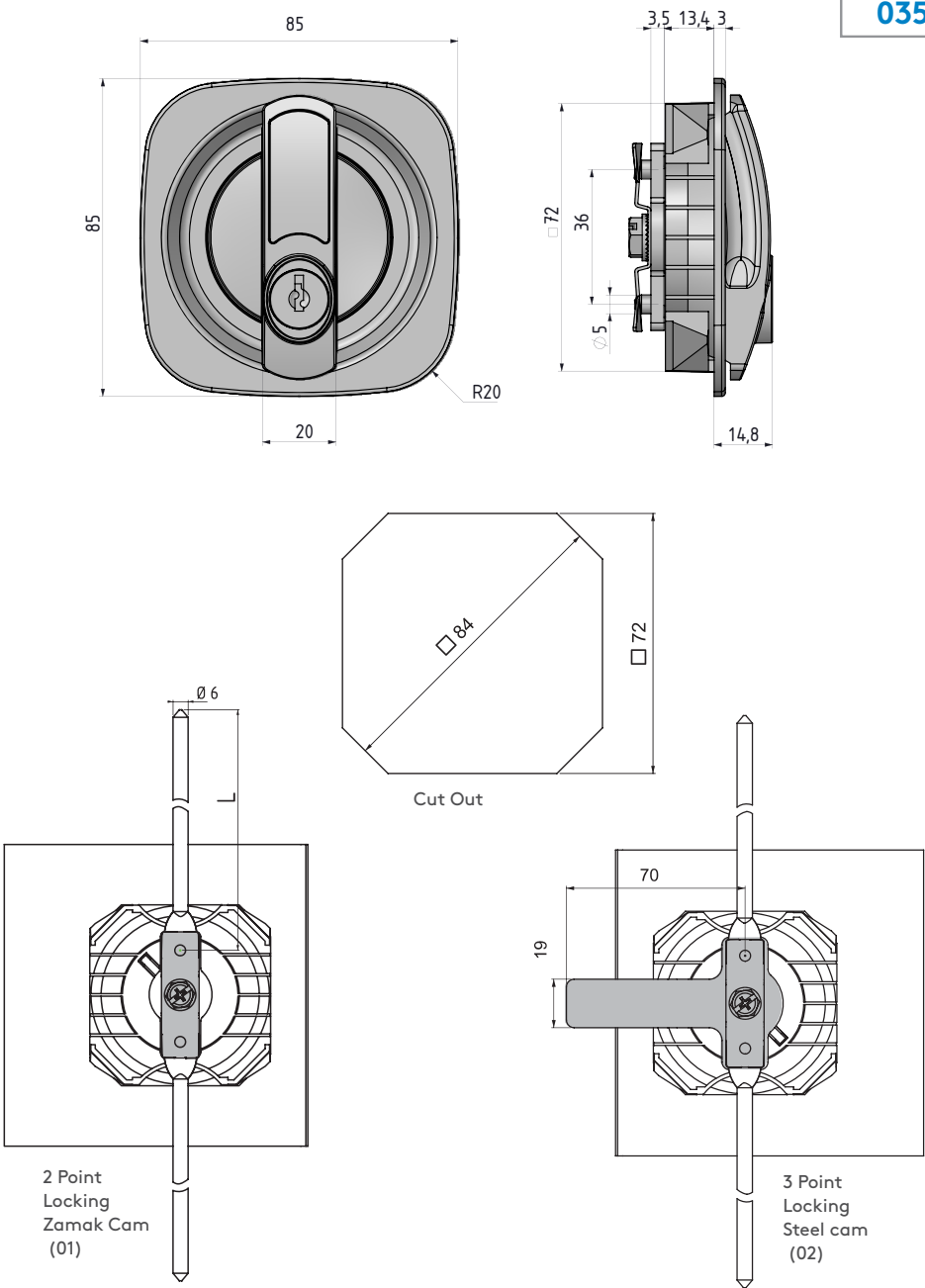
STEEL CUPBOARD LOCK



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

MATERIAL

BODY: Polyamide DIN-EN
ISO 1043-1 Pa6 GFR 30
KNOB: Zamak DIN-EN
1774-ZnAl4Cu1w



01

Zamak cam



02

Steel cam



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

MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2
		Gray coated	3
Plastic	2	No finish	0

Group Code	Body		Handle		Cylinder	Cam
035	2	0	1	F	DD	CC



STEEL CUPBOARD LOCKS

STEEL CUPBOARD LOCK

058



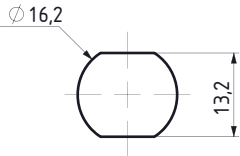
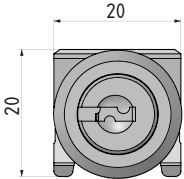
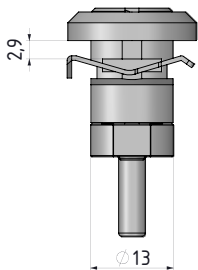
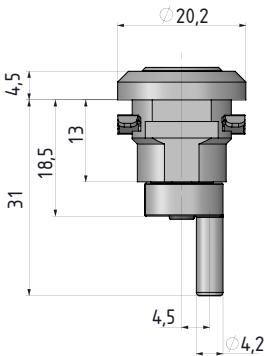
- Primarily for central locking applications
- Clip fixing

MATERIAL

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

FINISH

Chrome plated



Cut Out

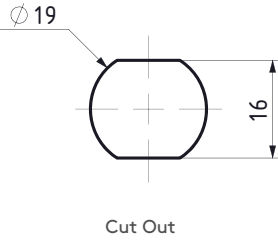
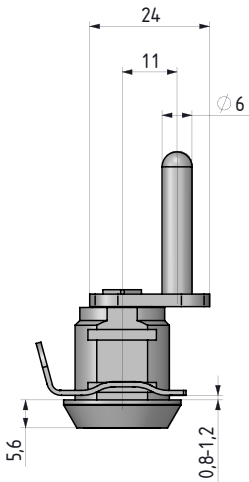
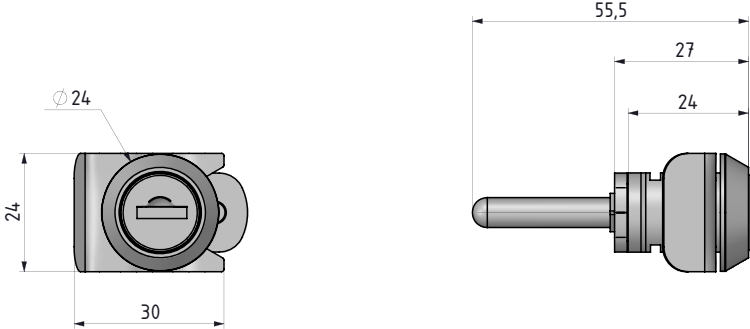
CYLINDER	SPECIFICATIONS	DD
	Keyed alike	01
	Keyed differ	02

Group Code	Cylinder
058	DD

158

STEEL CUPBOARD LOCK

NEW



Cut Out



- Primarily for central locking applications
- Clip fixing

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

FINISH
Chrome plated

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

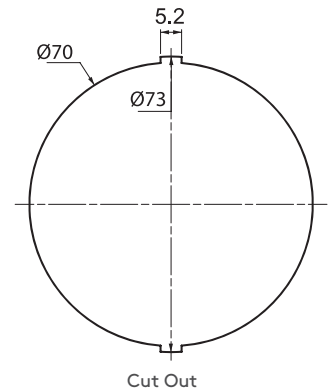
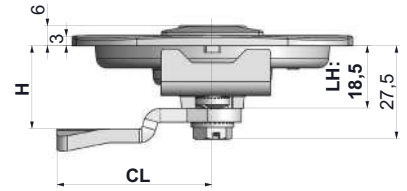
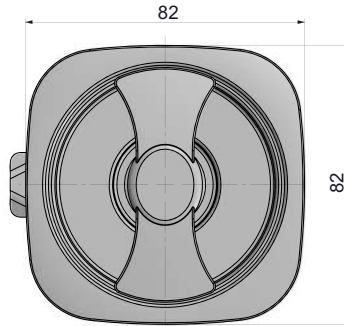
Group Code	Cylinder
158	DD

STEEL CUPBOARD LOCKS

FIRE HOSE CABINET LOCK

013

V:1

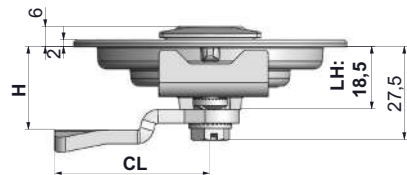
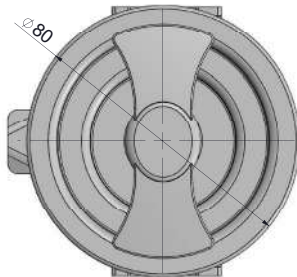


- Designed for fire-hose cabinets
- Special fixing-plate supplied for easy fixing
- Flush design provides flat surface on cabinet
- Customized colours available

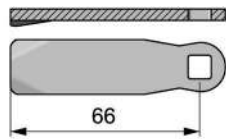
MATERIAL

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

V:2



CC :70



MATERIAL	M	FINISH	F
Zamak	1	Chrome	1
		Black coated	2

Group Code	Version	Body	Handle	Cam
013	V	1	F	CC

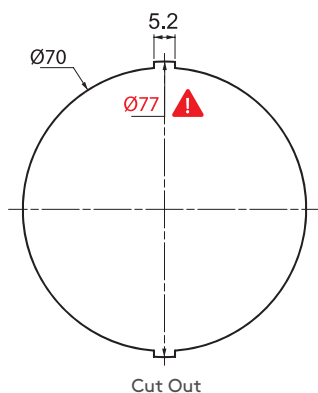
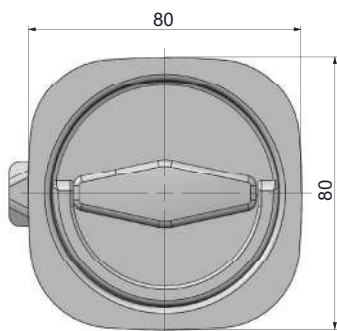
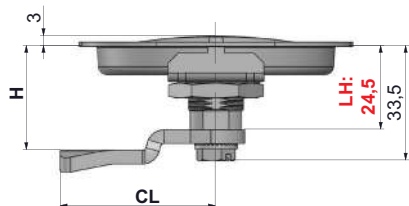


For cams please check pages: 172 - 173

113

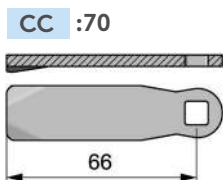
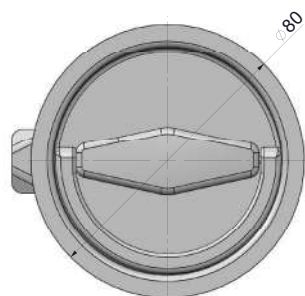
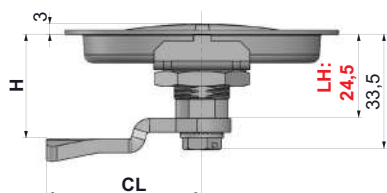
FIRE-HOSE CABINET LOCK

NEW



Cut Out

V:2



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

MATERIAL

BODY: Steel
KNOB: Steel
CAM: Steel
FIXING PLATE: Steel

MATERIAL	M
Steel	6

FINISH	F
Chrome	1
Black coated	2

Group Code	Version	Body	Handle	Cam
113	V	6	F	CC

For cams please check pages: 172 - 173



288



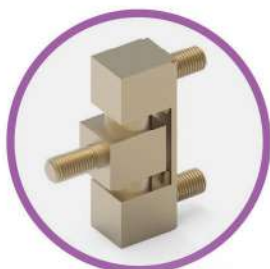
288



288



289



289



289



290



291



292



293



294



295



296



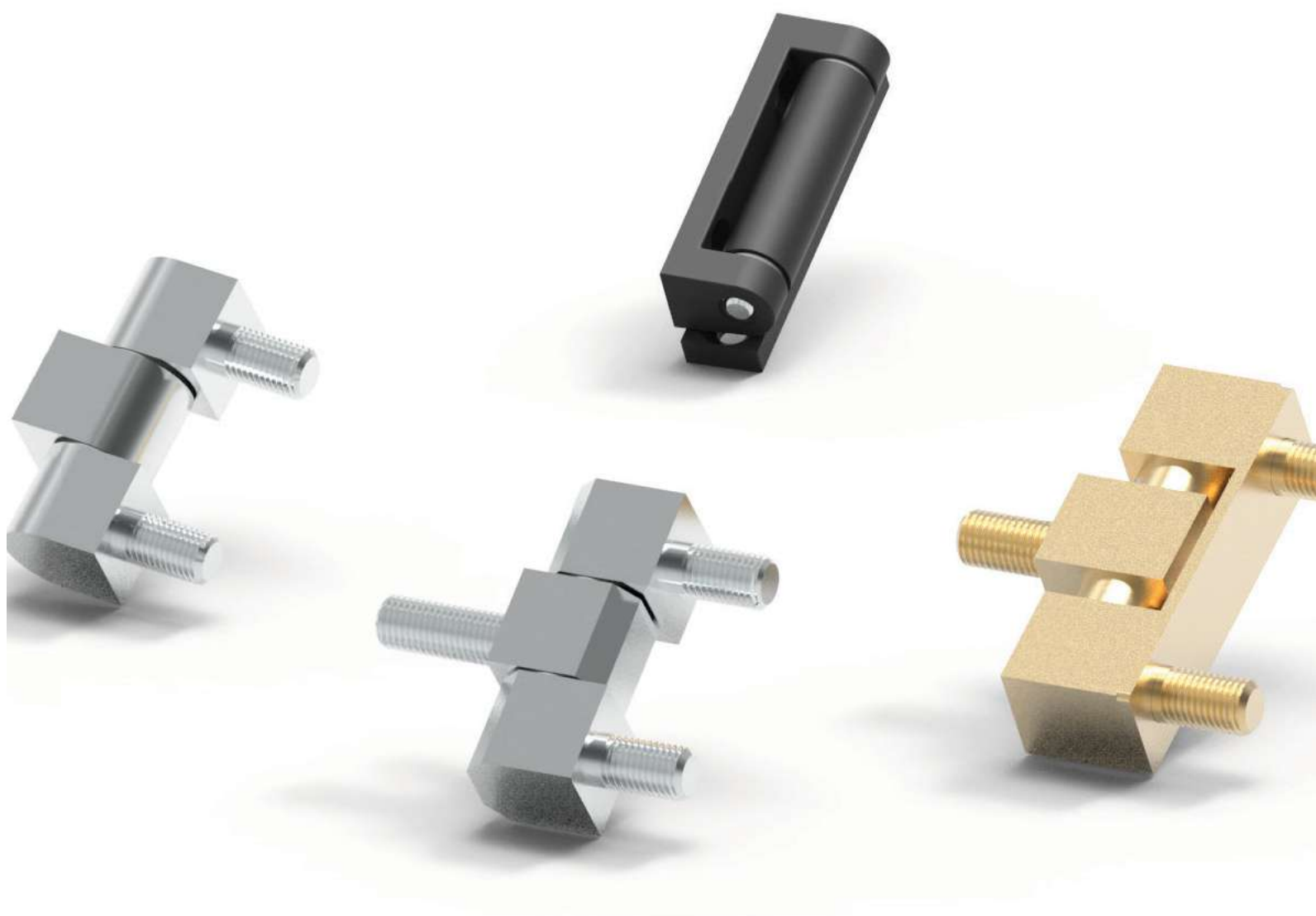
297



298



299



SIDE HINGES

286-299



mesan
ESSENTA COMPONENTS

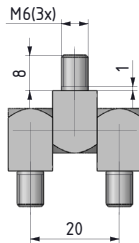
► SIDE HINGES

SIDE HINGE (10 mm)

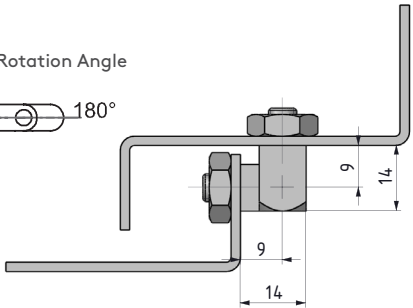
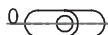


- **Stainless steel version: Page 512**
- Side-mounted hinge
- Hinge supplied in a unassembled state. For different dimensions contact Essentra

090



Hinge Rotation Angle



Group Code	Material	Finish
090	3	F

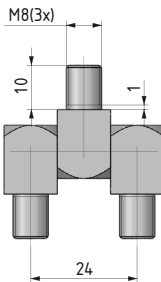
MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Nickel plated	4

SIDE HINGE (12 mm)

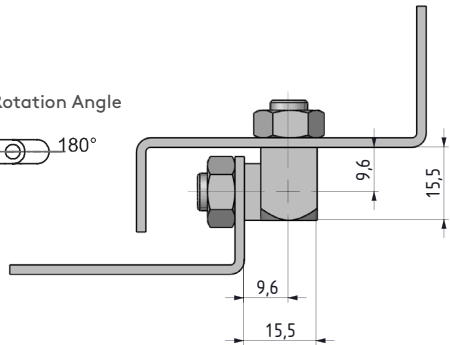


- Side-mounted hinge
- Hinge supplied in a unassembled state. For different dimensions contact Essentra Components

091



Hinge Rotation Angle



Group Code	Material	Finish
091	3	F

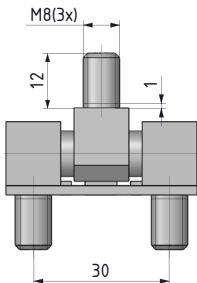
MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Nickel plated	4

SIDE HINGE (12 mm)

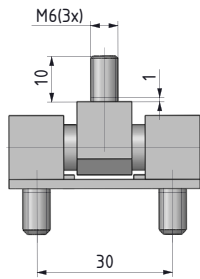


- **Stainless steel version: Page 512**
- Side-mounted hinge
- Brass 12 mm parts and bearings
- Parts are assembled by fixing plate. For different dimensions contact Essentra Components
- 90° and 180° angle versions are available

092

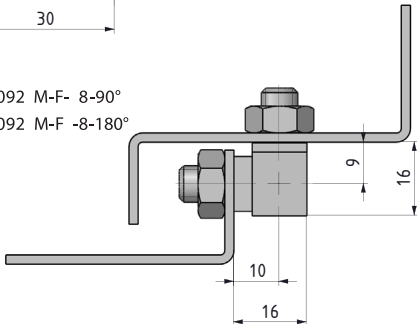


Hinge Rotation Angle



M8 → 092 M-F- 8-90°
092 M-F -8-180°

M6 → 092 M-F- 6-90°
092 M-F- 6-180°

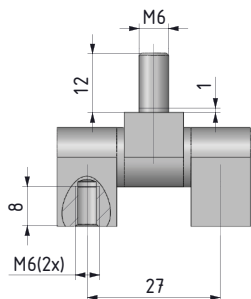


Group Code	Material	Finish
092	3	F

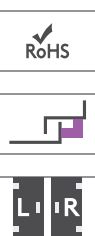
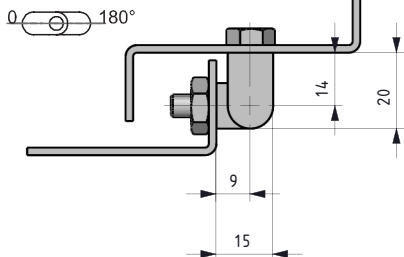
MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Chrome plated	1

192

SIDE HINGE (12 mm)



Hinge Rotation Angle



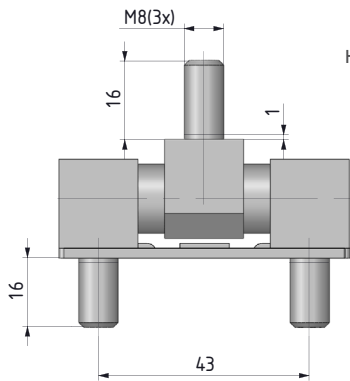
Group Code	Material	Finish
192	3	F

MATERIAL	M	FINISH	F
Brass	3	Chrome plated	1

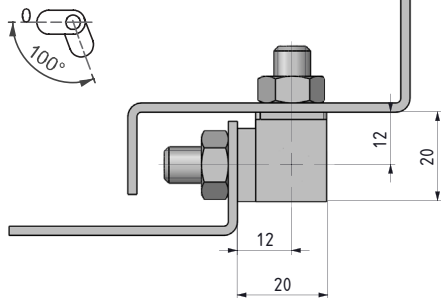
- Stainless steel version: Page 513
- Side-mounted hinge
- Brass 12 mm parts and bearings
- Parts tightly fitted

093

SIDE HINGE (16 mm)



Hinge Rotation Angle



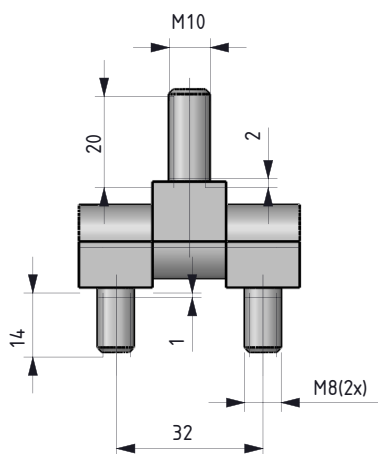
Group Code	Material	Finish
093	3	F

MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Chrome plated	1

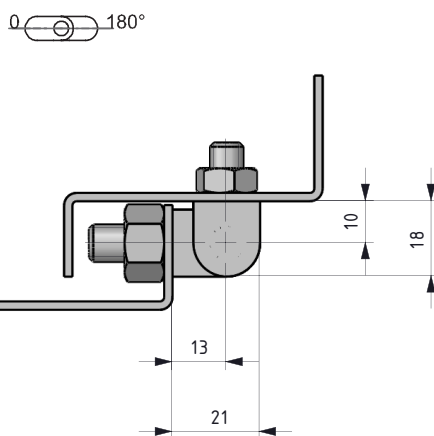
- Side-mounted hinge
- Brass 16 mm parts and bearings
- Parts assembled by fixing plate

193

SIDE HINGE (16 mm)



Hinge Rotation Angle



Group Code	Material	Finish
193	3	F

MATERIAL	M	FINISH	F
Brass	3	No finish	0
		Chrome plated	1

- Stainless steel version: Page 513
- Side-mounted hinge
- Brass 16 mm parts
- Parts tightly fitted

SIDE HINGES

SIDE HINGE

793



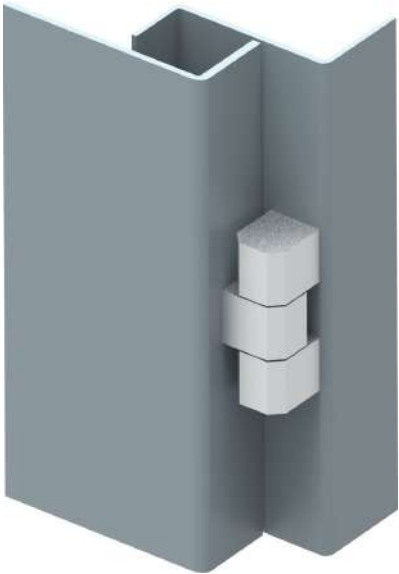
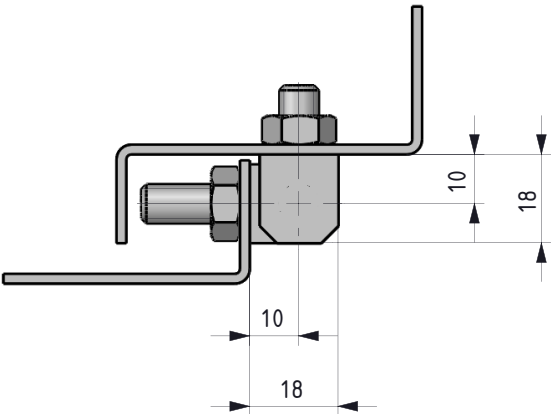
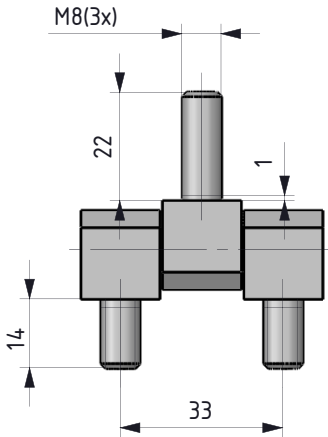
- For medium voltage and heavy door panels
- Hinge parts produced from steel

MATERIAL
Steel

FINISH
Zinc plated

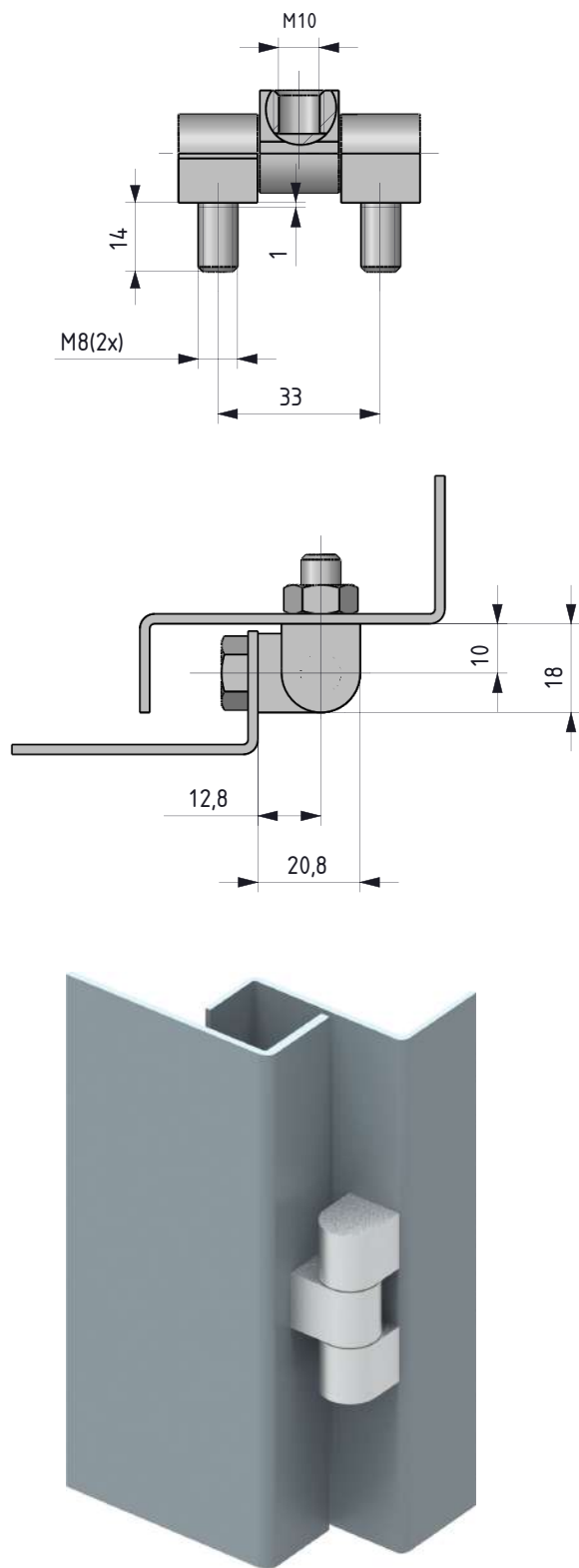

Note: Nuts and washers are not supplied.

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

Group Code	Material	Finish
793	6	3



893

SIDE HINGE



- For medium voltage and heavy door panels
- Assembled using special screws (supplied)
- Hinge supplied in a unassembled state

MATERIAL
C45 Steel, hardened

FINISH
Zinc plated

Note: Nuts and washers are not supplied.

Hinge Rotation Angle



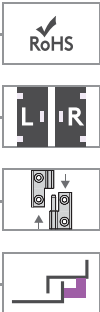
MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

Group Code	Material	Finish
893	6	3

SIDE HINGES

SIDE HINGE (10 mm)

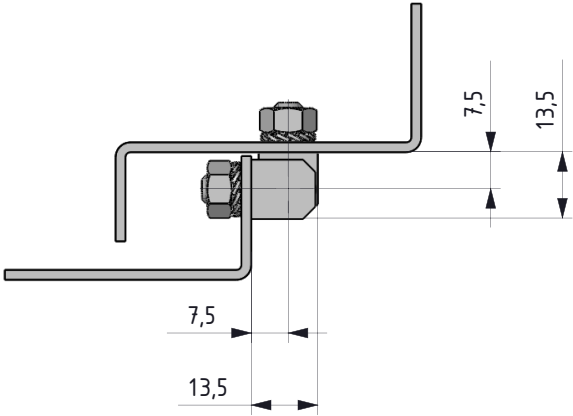
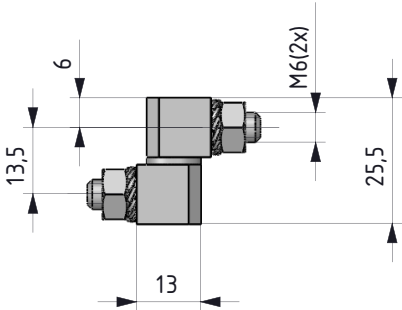
191



- Side-mounted hinge
- Steel 12 mm parts

MATERIAL
Steel

FINISH
Zinc plated



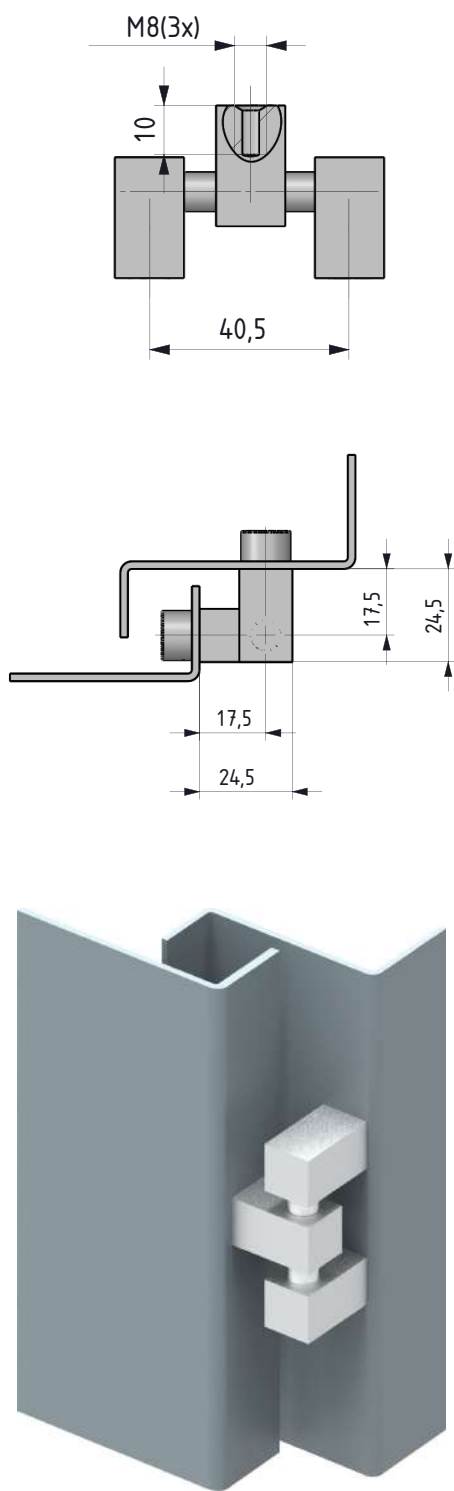
Hinge Rotation Angle



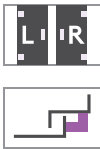
 **Note:** Nuts and washers are supplied.

MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

Group Code	Material	Finish
191	6	3



1093 SIDE HINGE



- Side-mounted hinge
- Pin Length can be modified
- For different length contact Essentra Components

MATERIAL
BODY: Brass
PIN: Steel

FINISH
Chrome Plated

MATERIAL	M	FINISH	F
Brass	3	Chrome plated	1

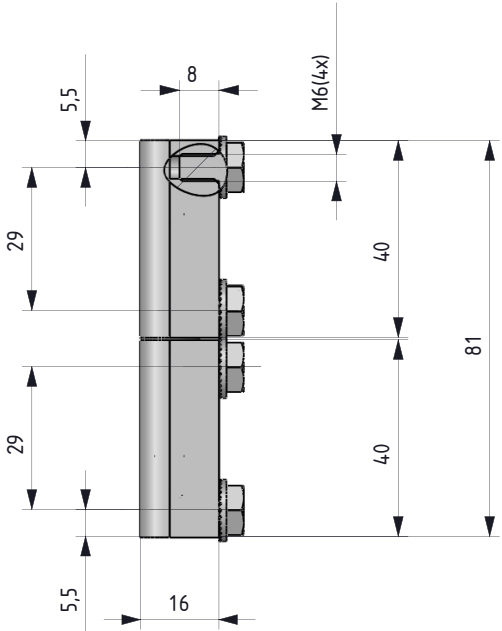
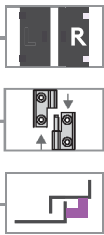
Group Code	Material	Finish
1093	3	1

Hinge Rotation Angle
0° - 180°

SIDE HINGES

SIDE HINGE

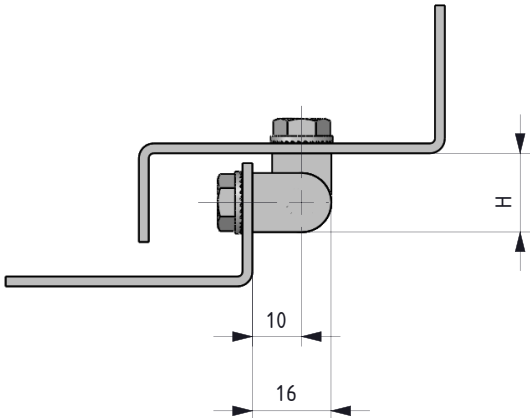
993



- Side-mounted hinge
- Brass 12 mm parts

MATERIAL
Brass

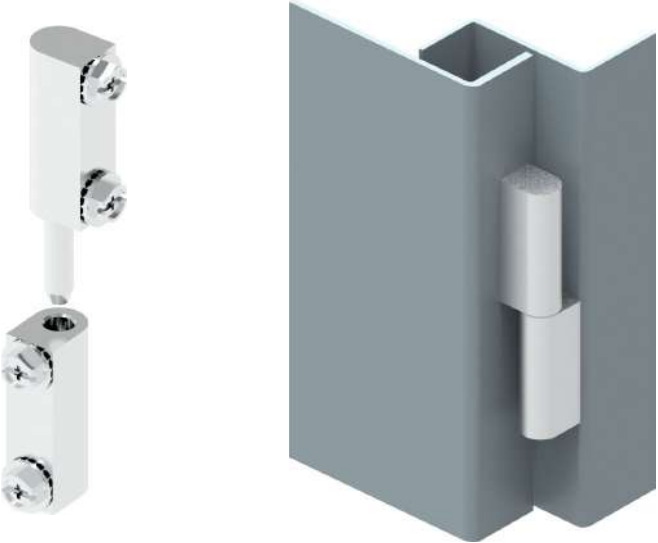
FINISH
Chrome plated



H
16
19
21

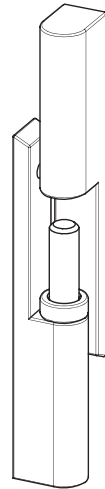
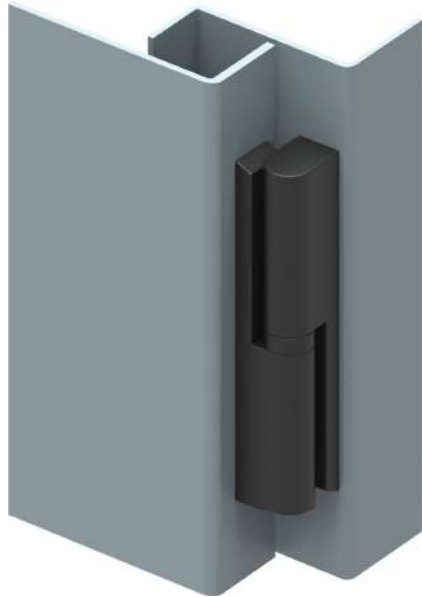
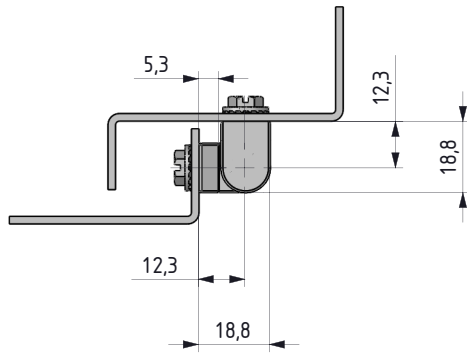
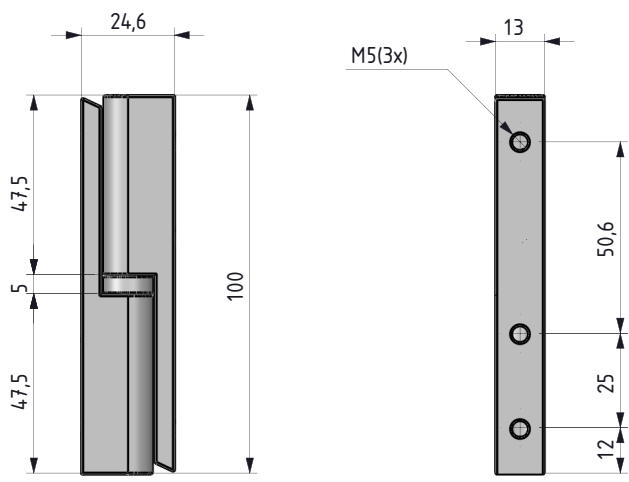
 **Note:** Bolts are supplied

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Brass	3	Chrome plated	1

Group Code	Material	Finish	Height
993	3	1	H



1193

SIDE HINGE



MATERIAL
BODY: Steel
PIN: Stainless Steel

FINISH
Chrome or black coated

Note: Bolts are not supplied

MATERIAL	M	FINISH	F
Steel	6	No finish	0
		Chrome plated	1
		Black coated	2

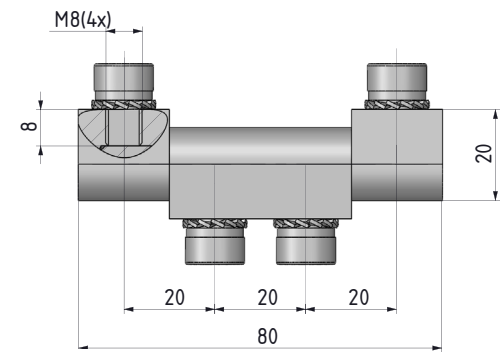
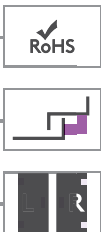
Group Code	Material	Finish
1193	6	F

Hinge Rotation Angle
0° - 180°

SIDE HINGES

SIDE HINGE

393

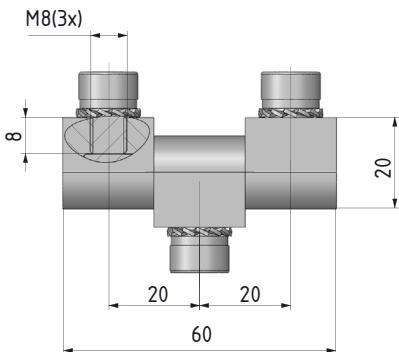


- For medium voltage and heavy door panels
- Chrome-plated brass
- Assembled using special screws (supplied)
- Parts supplied separately

MATERIAL
Brass: DIN 17672 CuZn39Pb3

SIDE HINGE

293



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

MATERIAL
Brass: DIN 17672 CuZn39Pb3

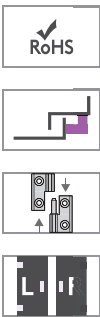
Hinge Rotation Angle
0° 180°

MATERIAL	M	FINISH	F
Brass	3	Chrome plated	1

Group Code	Material	Finish
	3	F

493

SIDE HINGE



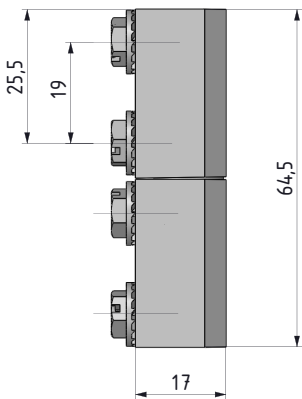
- Lift-off hinge
- Suitable for left- and right-hand applications
- Maximum hinge rotation 180°
- For heavy doors, version 2 is recommended due to its stainless steel properties

MATERIAL

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

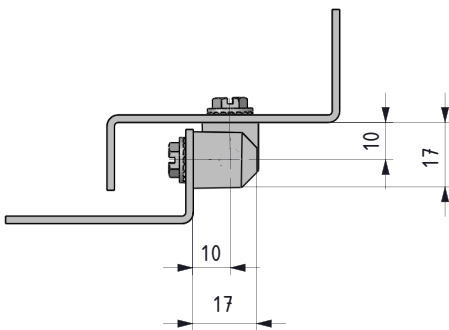
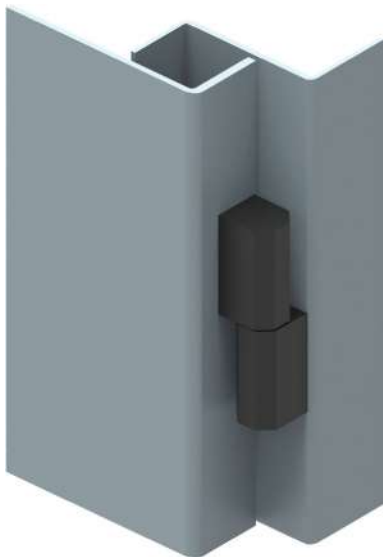
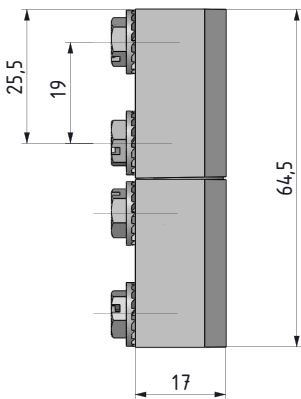
V: 1

Fixed zamak pin



V: 2

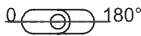
Stainless steel pin



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

Group Code	Material	Finish	Versiyon
493	1	F	V

Hinge Rotation Angle

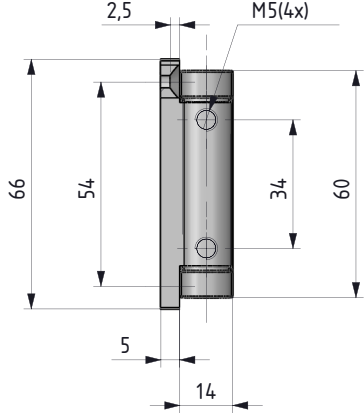
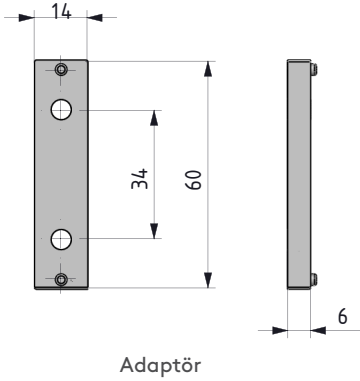


⚠ **Note:** Bolts are supplied

SIDE HINGES

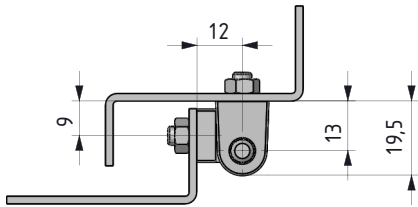
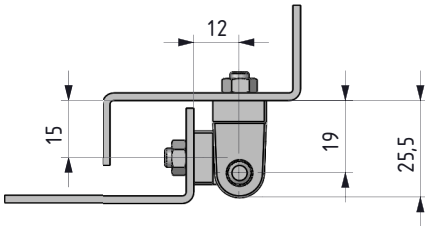
SIDE HINGE

593



Spacer version
593 1-F-25

Standard version
593 1-F-19



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

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

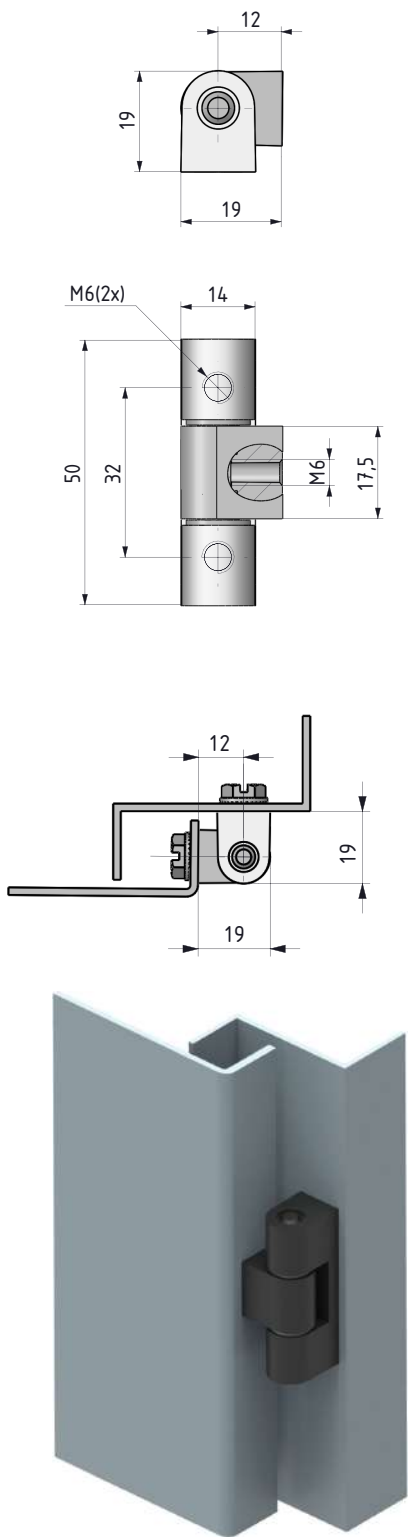


Hinge Rotation Angle
0° 180°

Note: Bolts are not supplied

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

Group Code	Material	Finish	Height
593	1	F	H



693

SIDE HINGE



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

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

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

Group Code	Material	Finish
693	1	F

Hinge Rotation Angle
0 180°



302



303



304



305



306



307



308-309



310-311



312-313



314-315



316-317



318-319



320



321



322



323



324



325



326



327



328



329-330



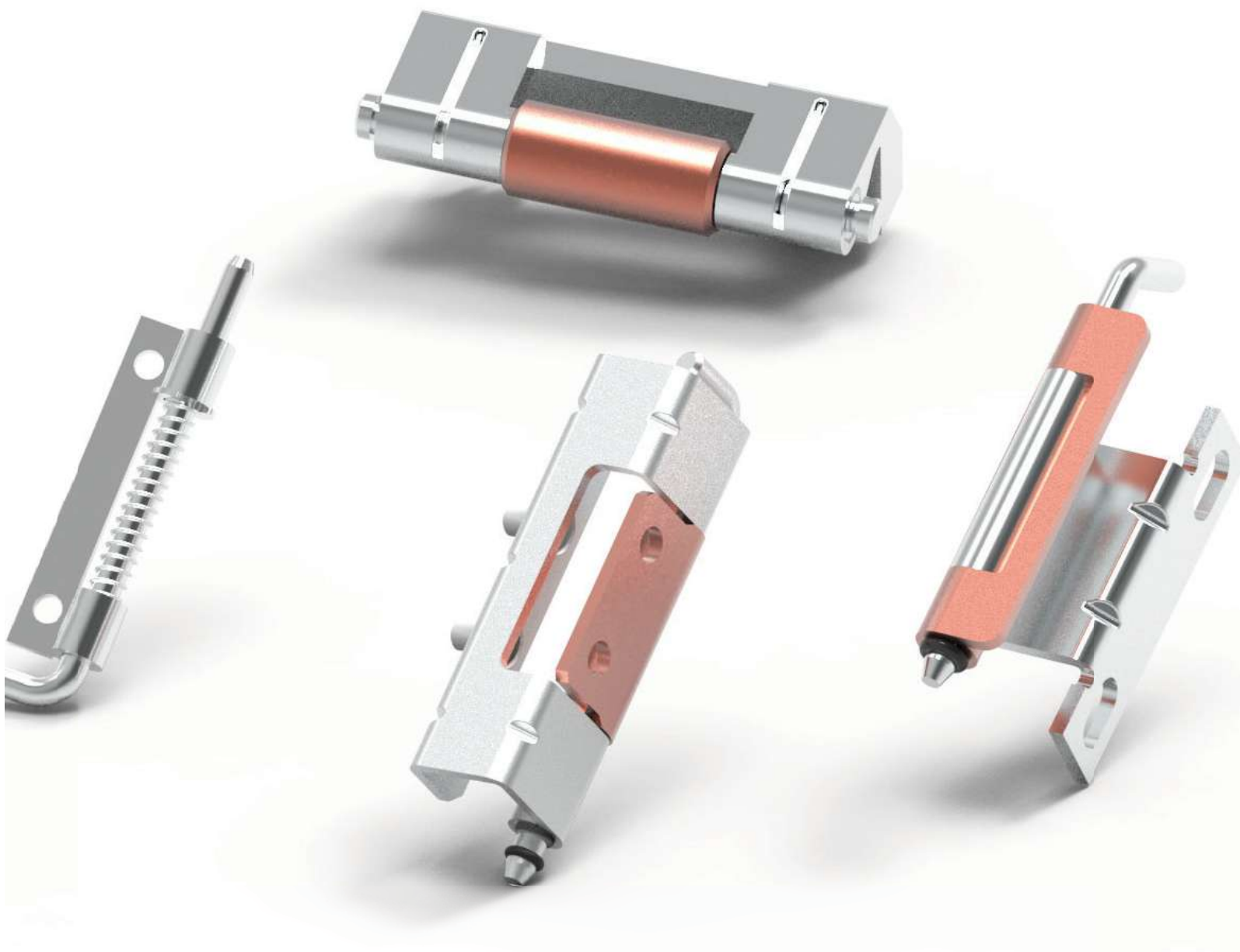
331



332



333



CONCEALED HINGES

300-333



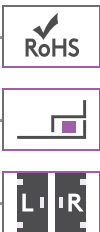
mesan
ESSENTA COMPONENTS



CONCEALED HINGES

CONCEALED HINGE

094



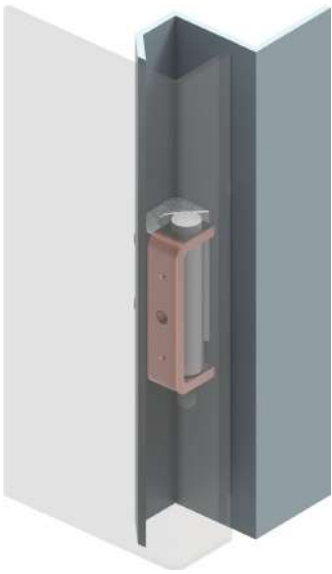
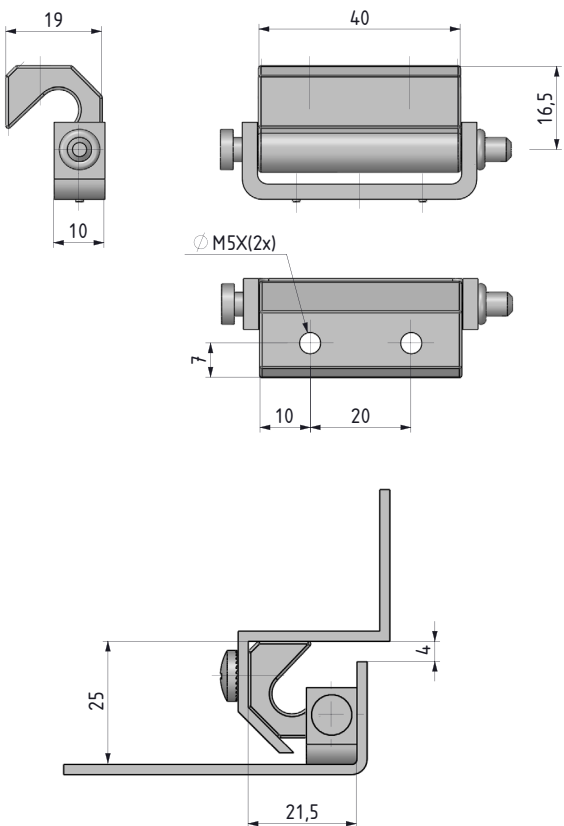
- For 25 mm folded doors
- Middle part copper plated for easy welding

MATERIAL

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

FINISH

BODY: Zinc plated or no finish
FIXED PART: Copper plated



Hinge Rotation Angle



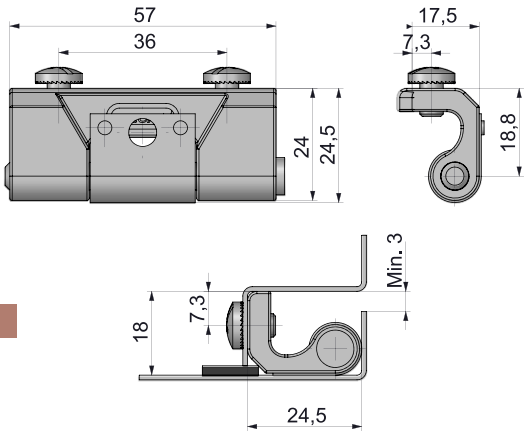
Note: Bolts are supplied

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0
Aluminium	5	Matte anodized	7

Group Code	Material	Finish
094	M	F



V: 2

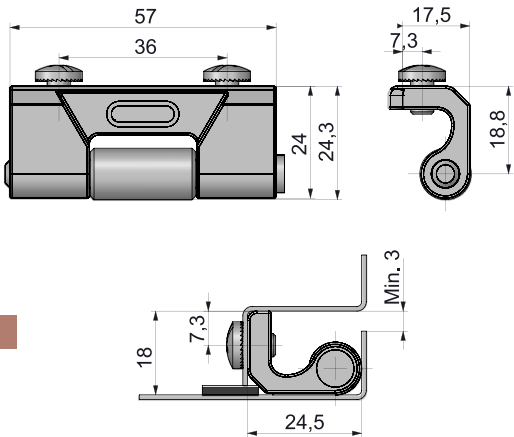


194

CONCEALED HINGE



V: 3



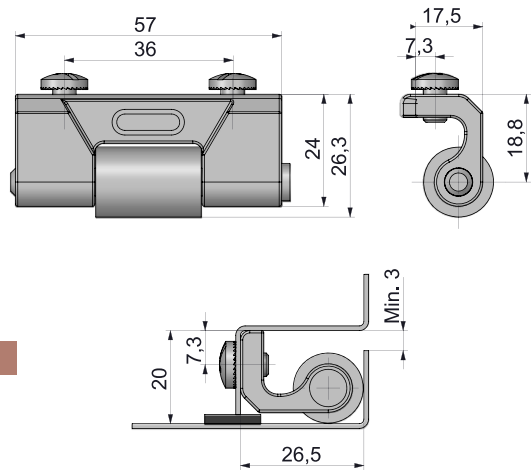
- For doors with a bend of between 18 mm and 27 mm
- Centre part copper plated for easy welding
- The centre part available in different versions

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

FINISH
BODY: Zinc plated or no finish
FIXED PART: Copper plated



V: 4

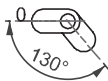


Note: Bolts are supplied

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish	Version
194	1	F	V

Hinge Rotation Angle

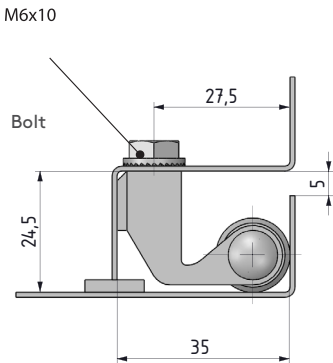
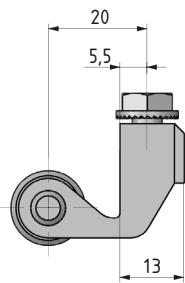
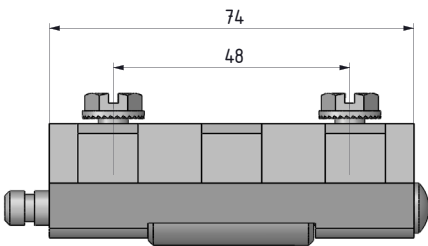




CONCEALED HINGES

CONCEALED HINGE

096



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

MATERIAL

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

FINISH

BODY: Zinc plated or no finish
FIXED PART: Copper plated



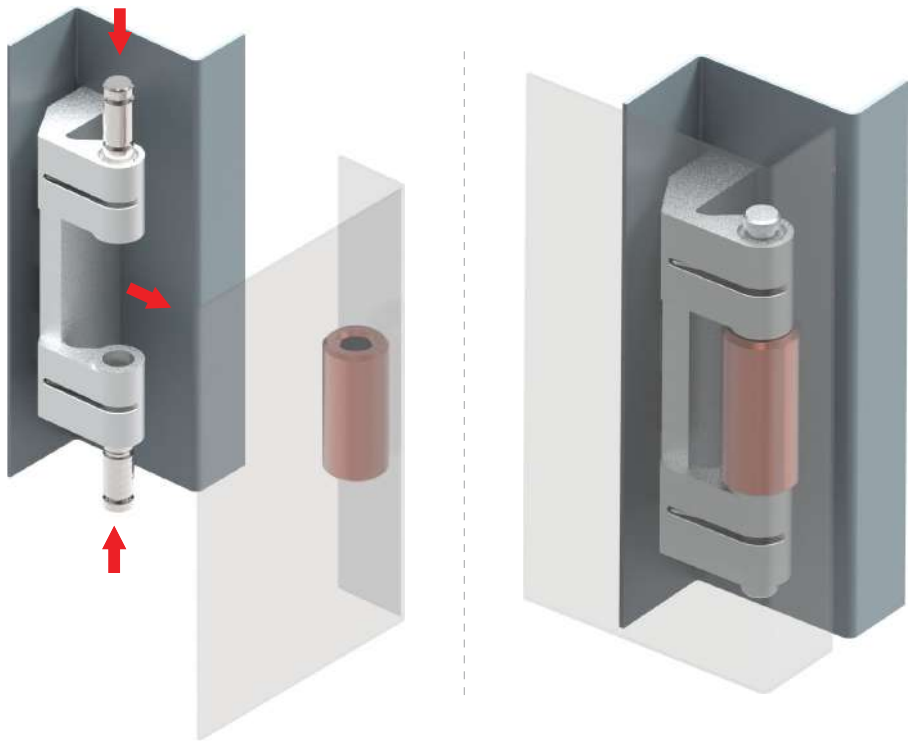
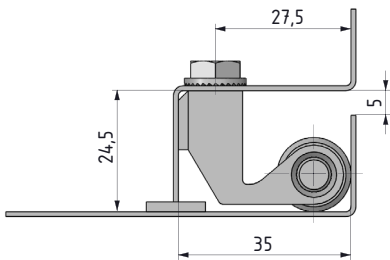
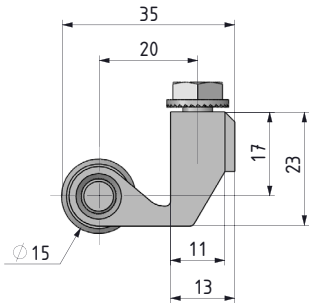
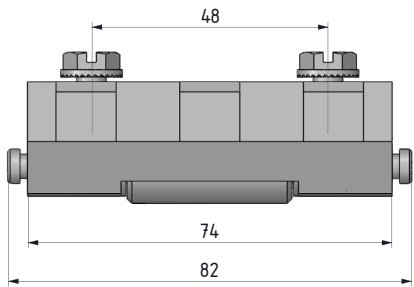
Hinge Rotation Angle



Note: Bolts are supplied

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish
096	1	F



096

CONCEALED HINGE



- Door can be taken out of frame without removing the pins
- Easy assembly
- Suitable for 24.5 mm door bend

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

FINISH
BODY: Zinc plated or no finish
FIXED PART: Copper plated

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish	Version
096	1	F	2

Hinge Rotation Angle



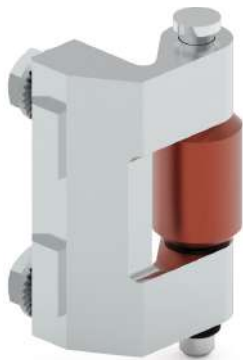
Note: Bolts are supplied



CONCEALED HINGES

CONCEALED HINGE

196



- For 21.5 mm to 24.5 mm bended doors
- Two sizes available
- Smaller alternative to 096 hinge

MATERIAL

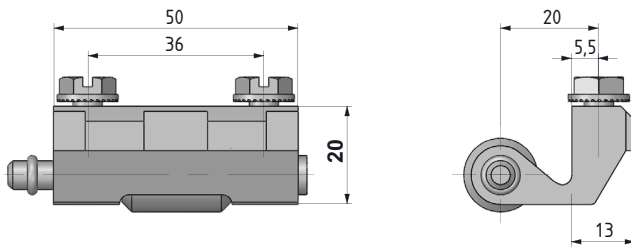
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FIXED PART: Steel

FINISH

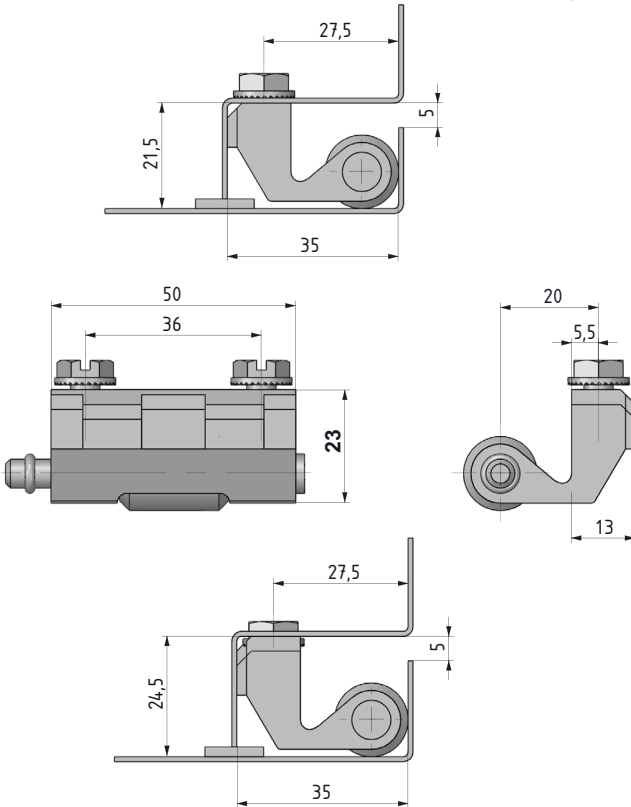
BODY: Zinc plated or no finish
WELDING PART: Copper plated



V: 20



V: 23



Hinge Rotation Angle



Note: Bolts are supplied

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish	Version
196	1	F	V

294

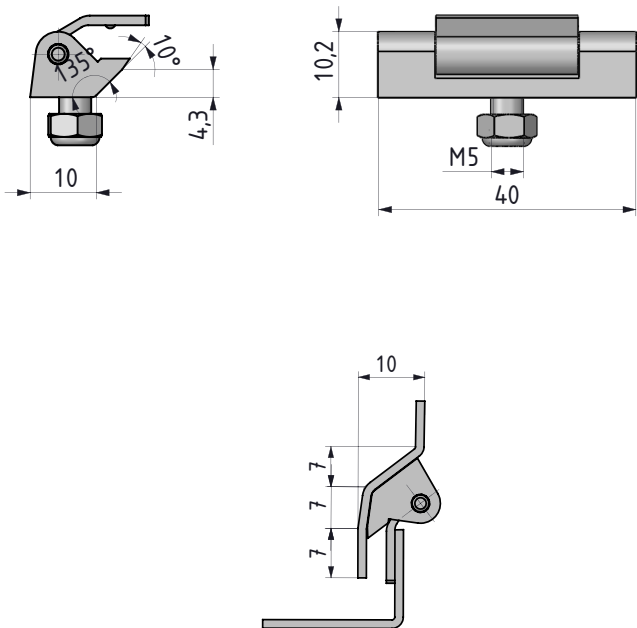
CONCEALED HINGE



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

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

FINISH
BODY: Zinc plated or no finish
FIXED PART: Copper plated



MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish
294	1	F

Hinge Rotation Angle



Note: Bolts are not supplied



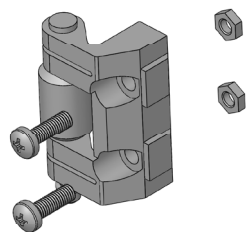
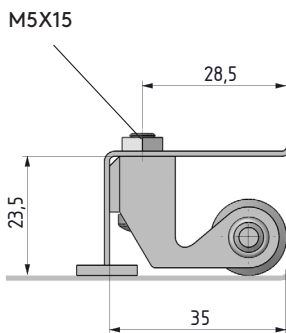
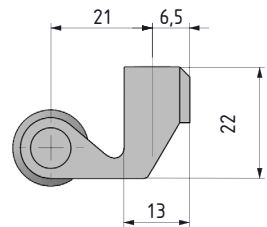
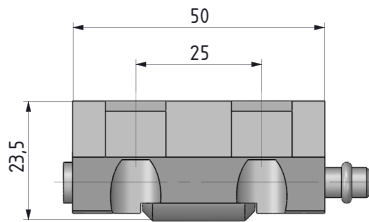
CONCEALED HINGES

CONCEALED HINGE

296



V: 1



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

MATERIAL

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

FINISH

BODY: Zinc plated or no finish
WELDING PART: Copper plated



Hinge Rotation Angle

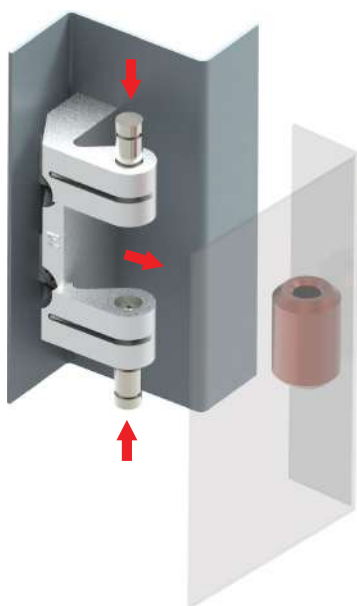
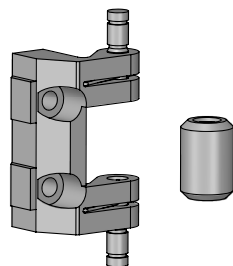
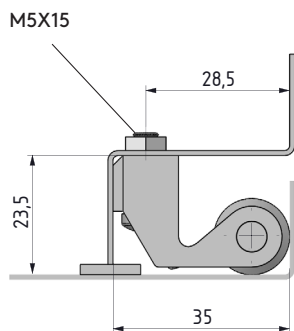
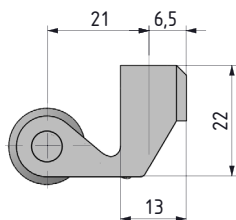
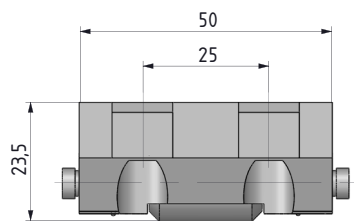


Note: Bolts are not supplied

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish	Version
296	1	F	1

V: 2



296

CONCEALED HINGE



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

MATERIAL

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

FINISH

BODY: Zinc plated or no finish
FIXED PART: Copper plated

MATERIAL	M	FINISH	F
Zamak	1	Zinc plated	3
		No finish	0

Group Code	Material	Finish	Version
296	1	F	2

Hinge Rotation Angle



Note: Bolts are not supplied



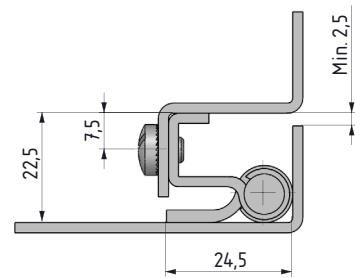
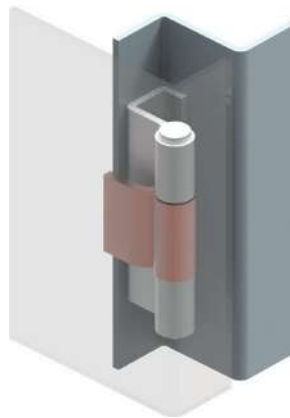
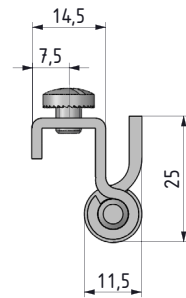
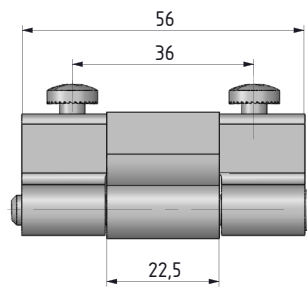
CONCEALED HINGES

CONCEALED HINGE

095



V:1

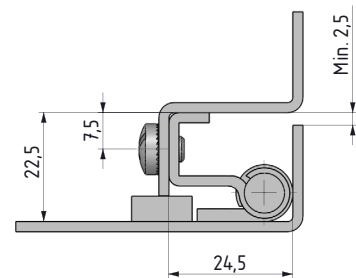
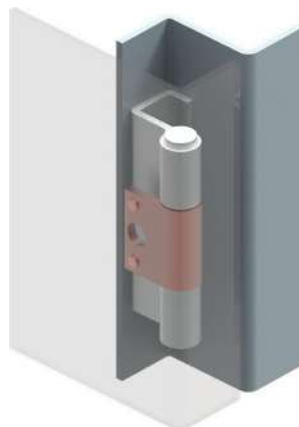
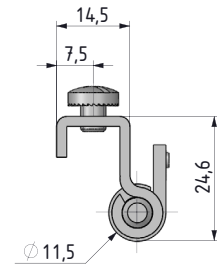
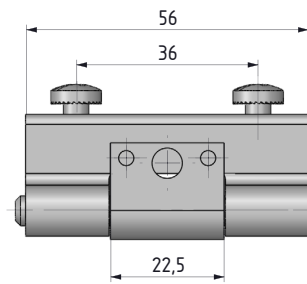


- **Stainless steel version: page 492**
- For doors with a bend of 22.5 mm or more. Available drilled with two holes or with two-mounting studs.
- Centre part available in different versions

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated

V:2



Hinge Rotation Angle



Group Code	Material	Finish	Version	Option
095	6	3	V	

095

CONCEALED HINGE

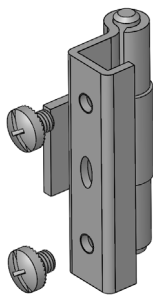
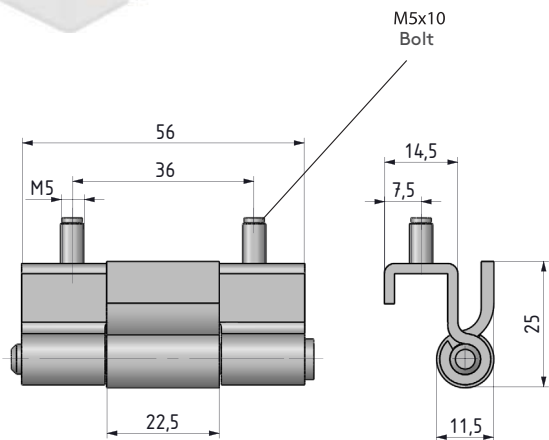
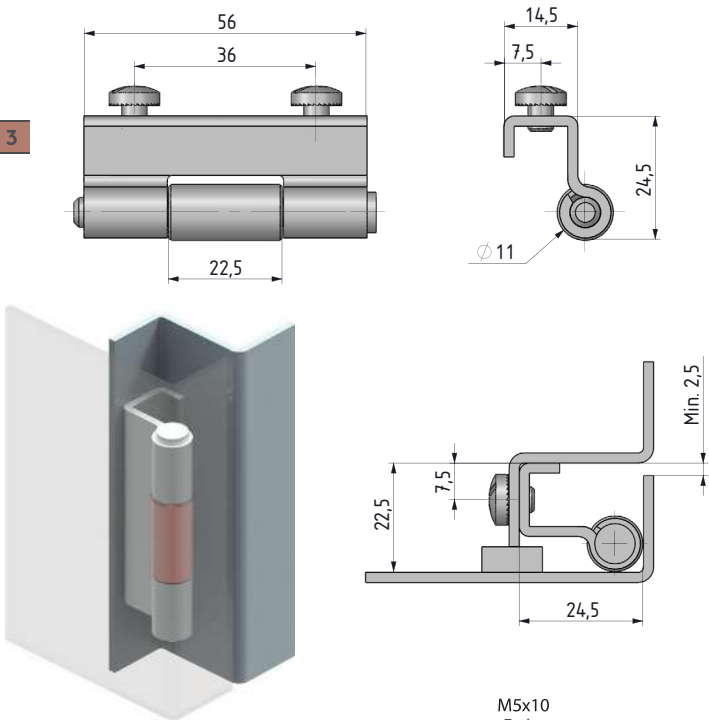


- For doors with a bend of 22.5 mm or more
- Available drilled with two holes or with two-mounting studs
- Centre part available in different versions

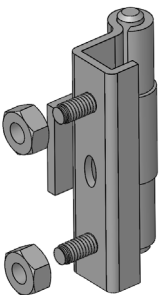
MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated

V: 3



OP:0
Hole



OP:1
Stud

Hinge Rotation Angle



Note: Bolts are supplied

Group Code	Material	Finish	Version	Option
095	6	3	V	OP

CONCEALED HINGES

CONCEALED HINGE

195



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

MATERIAL

Steel

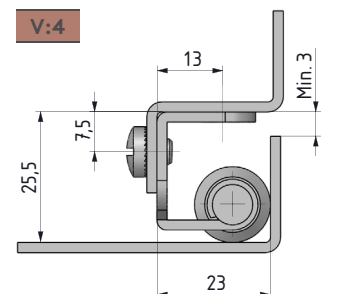
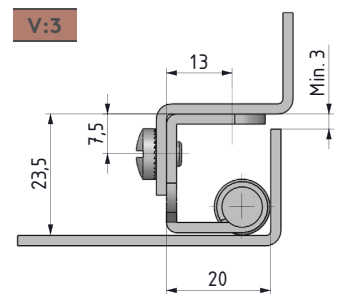
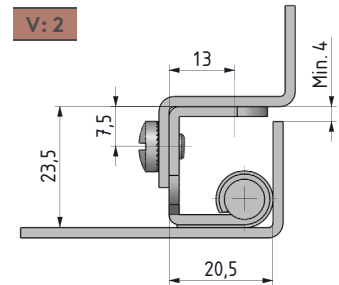
FINISH

BODY: Zinc plated

WELDING PART: Copper plated



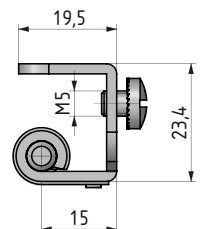
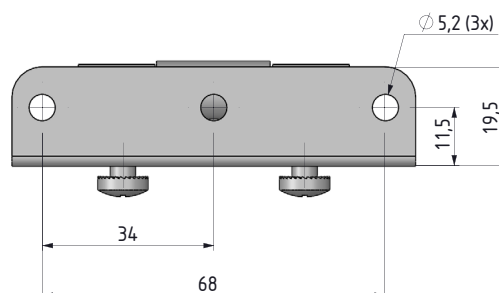
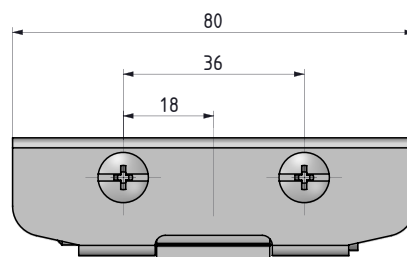
Fixed: 1



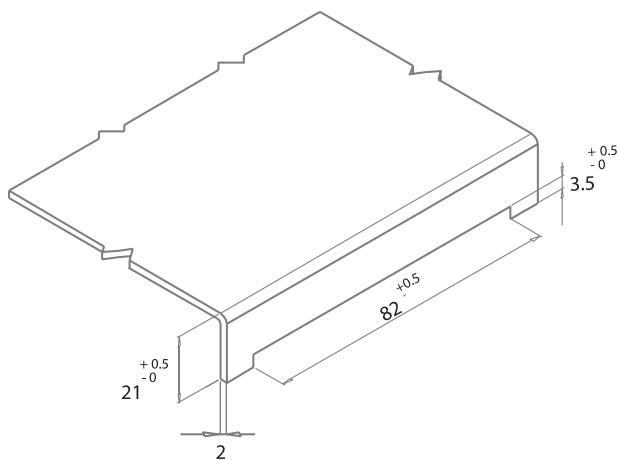
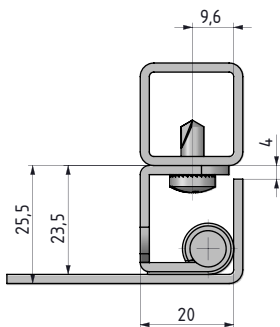
Hinge Rotation Angle



Note: Bolts are supplied



Fixed: 2
For profile body



195

CONCEALED HINGE



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

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated

Hinge Rotation Angle



Note: Bolts are supplied

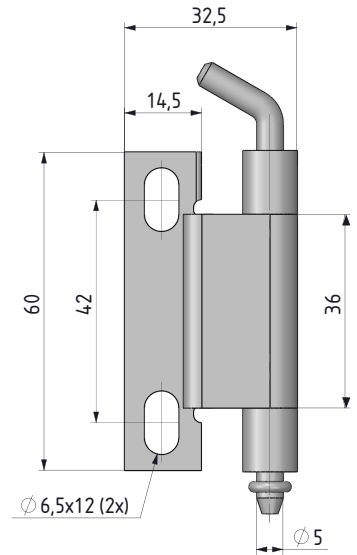
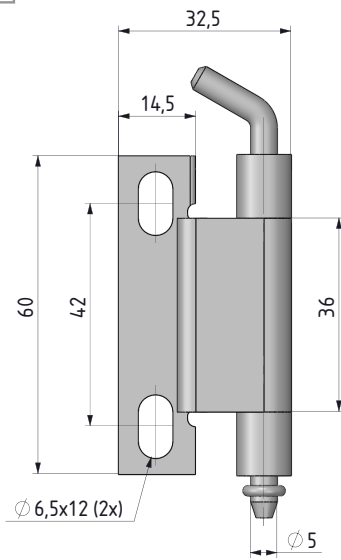
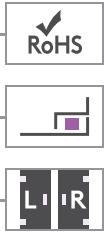
Group Code	Version
195	V



CONCEALED HINGES

CONCEALED HINGE

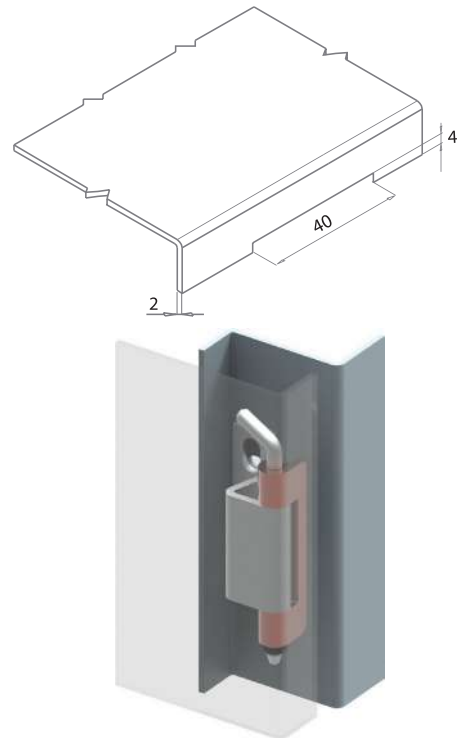
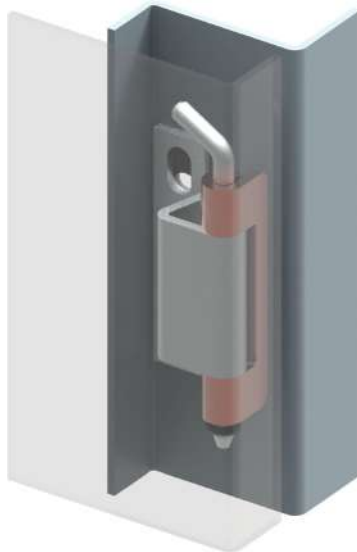
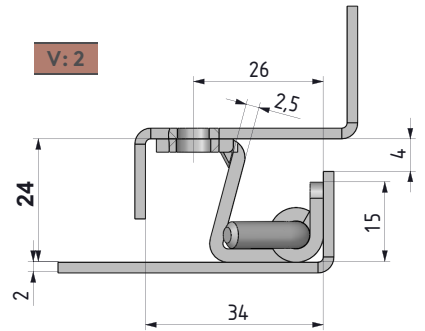
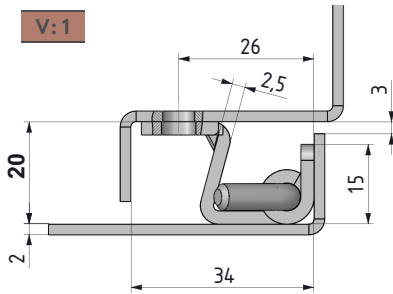
295



- Stainless steel version: page 482
- 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
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated



Hinge Rotation Angle



Note: Bolts are not supplied

Group Code	Material	Finish	Version
295	6	3	V



295

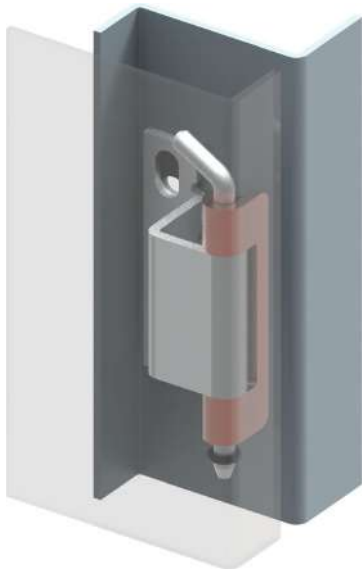
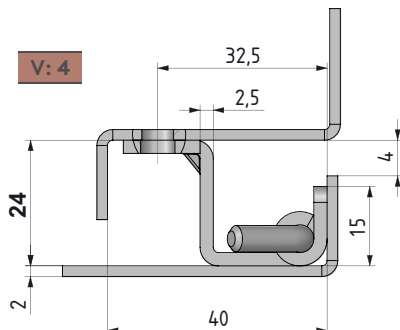
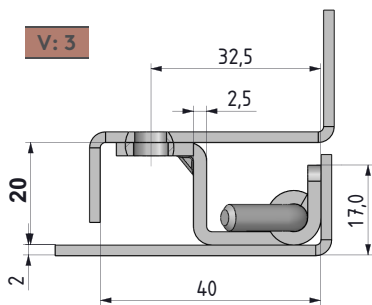
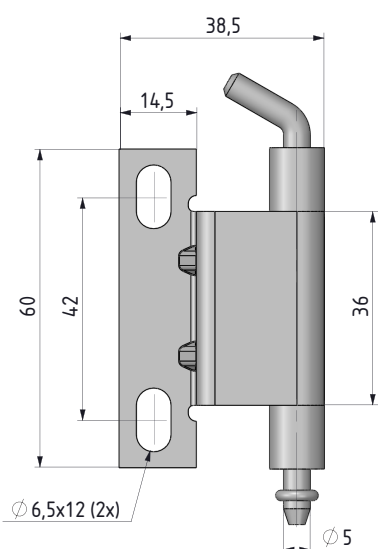
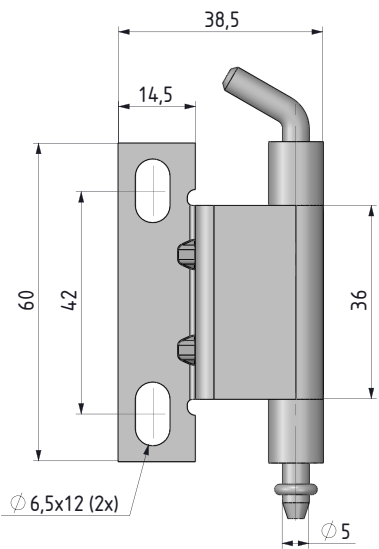
CONCEALED HINGE



• Stainless steel version: page 483

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated



Hinge Rotation Angle



Note: Bolts are not supplied

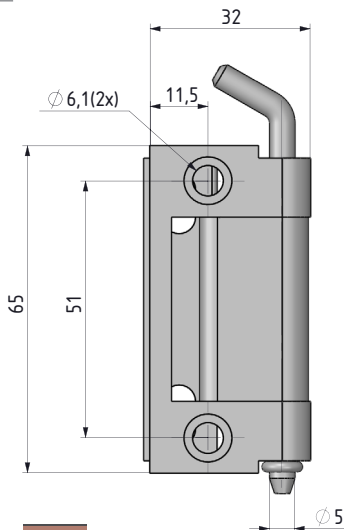
Group Code	Material	Finish	Version
295	6	3	V



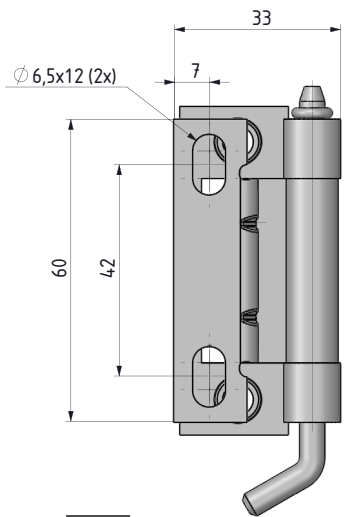
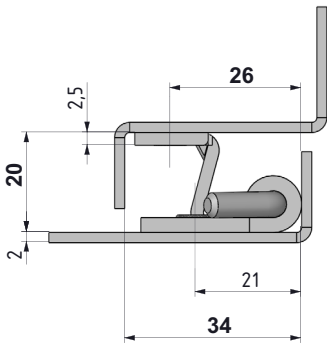
CONCEALED HINGES

CONCEALED HINGE

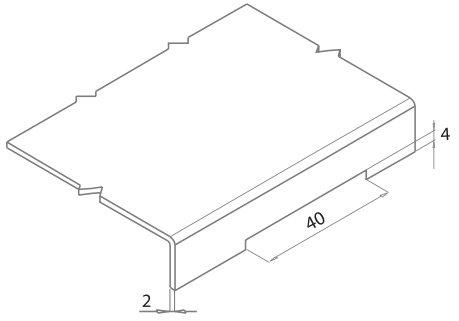
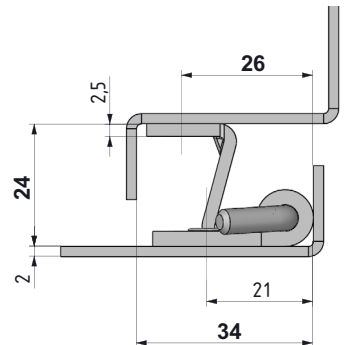
395



V:1



V:2



- Stainless steel version: page 484
- 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

MATERIAL
Steel

FINISH
Zinc plated

Hinge Rotation Angle



Note: Bolts are not supplied

Group Code	Material	Finish	Version
395	6	3	V

395

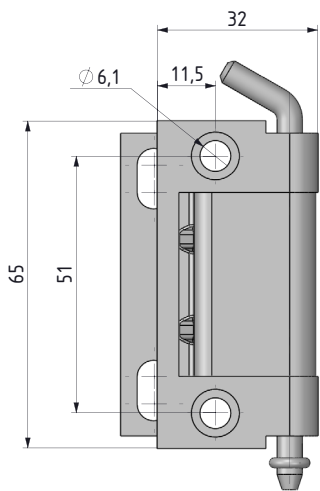
CONCEALED HINGE



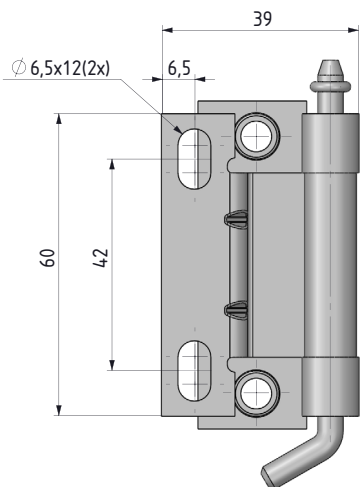
• Stainless steel version: page 485

MATERIAL
Steel

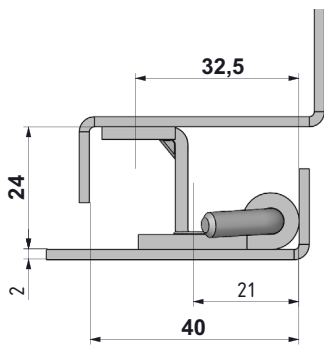
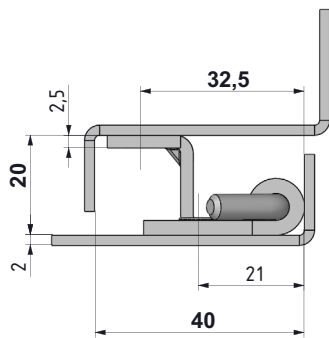
FINISH
Zinc plated



V: 3



V: 4



Hinge Rotation Angle



Note: Bolts are not supplied

Group Code	Material	Finish	Version
395	6	3	V



CONCEALED HINGES

CONCEALED HINGE

695



- **Stainless steel version:** page 486
- 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

MATERIAL
Steel

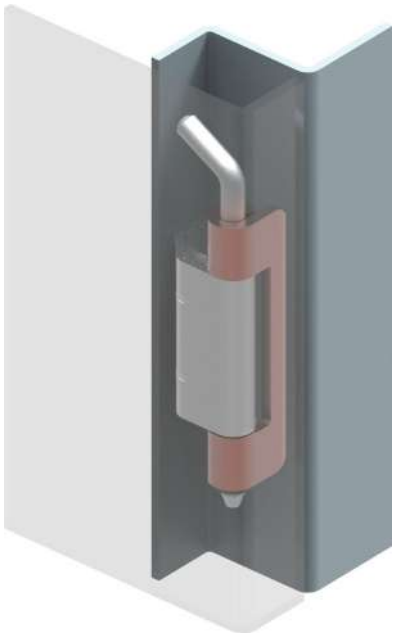
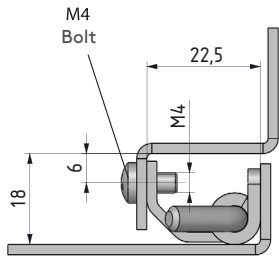
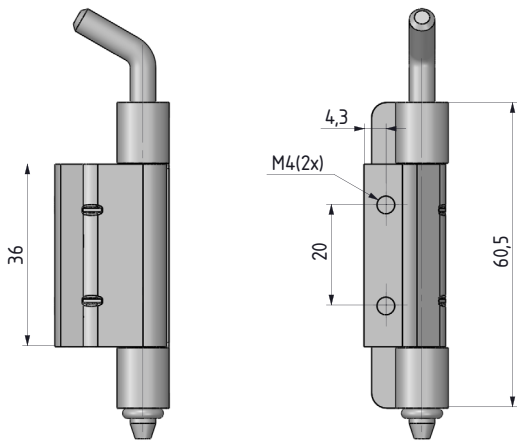
FINISH
BODY: Zinc plated
WELDING PART: Copper plated

Hinge Rotation Angle

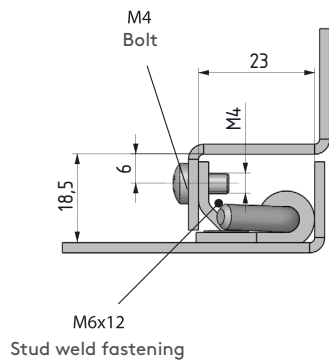
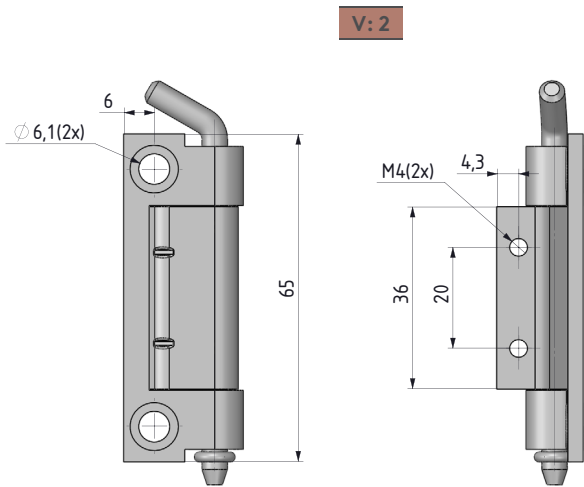


Note: Bolts are supplied

V:1



Group Code	Material	Finish	Version
695	6	3	1



695

CONCEALED HINGE



- **Stainless steel version: page 487**
- 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

MATERIAL
Steel

FINISH
Zinc plated

Hinge Rotation Angle



Note: Bolts are not supplied

Group Code	Material	Finish	Version
695	6	3	2



CONCEALED HINGES

CONCEALED HINGE

795

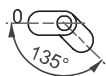


- **Stainless steel version: page 488**
- For doors with a bend of 20 mm to fix profiles
- Frame part screwed on, door part mounted by nut to welded stud on door
- Suitable for left- and right-hand application

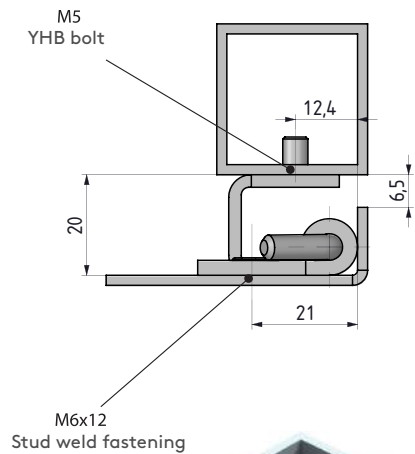
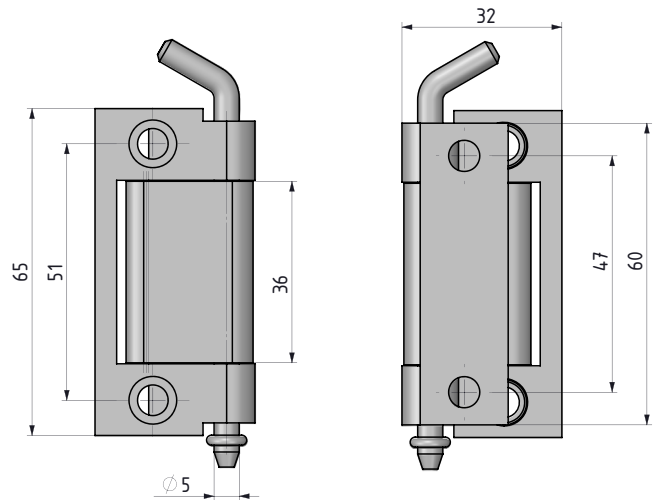
MATERIAL
Steel

FINISH
Zinc plated

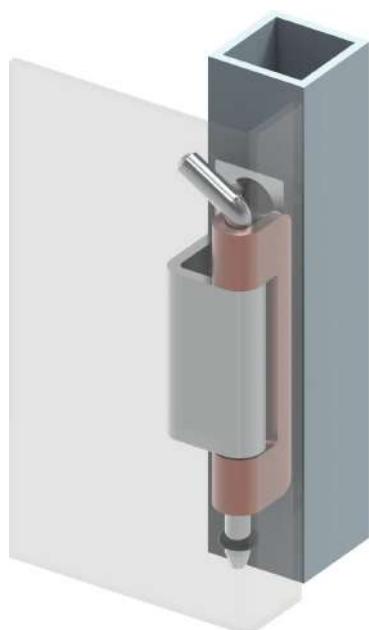
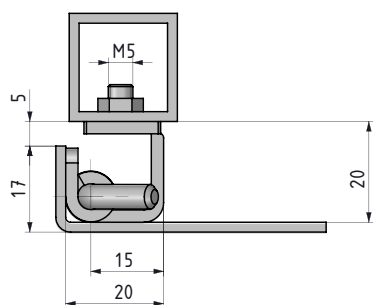
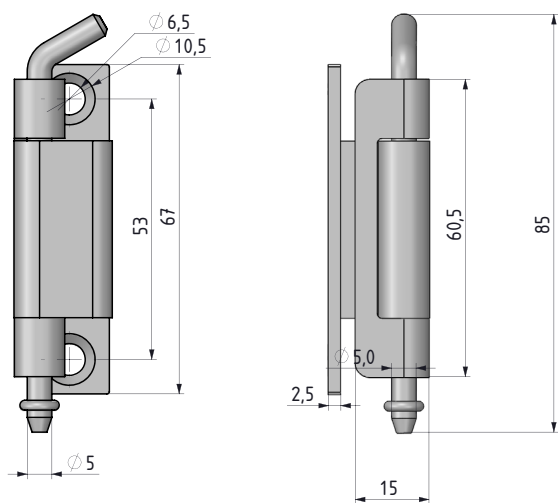
Hinge Rotation Angle



Note: Bolts are not supplied



Group Code	Material	Finish
795	6	3



Group Code	Material	Finish
1795	6	3

1795

CONCEALED HINGE



- 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

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

CONCEALED HINGE

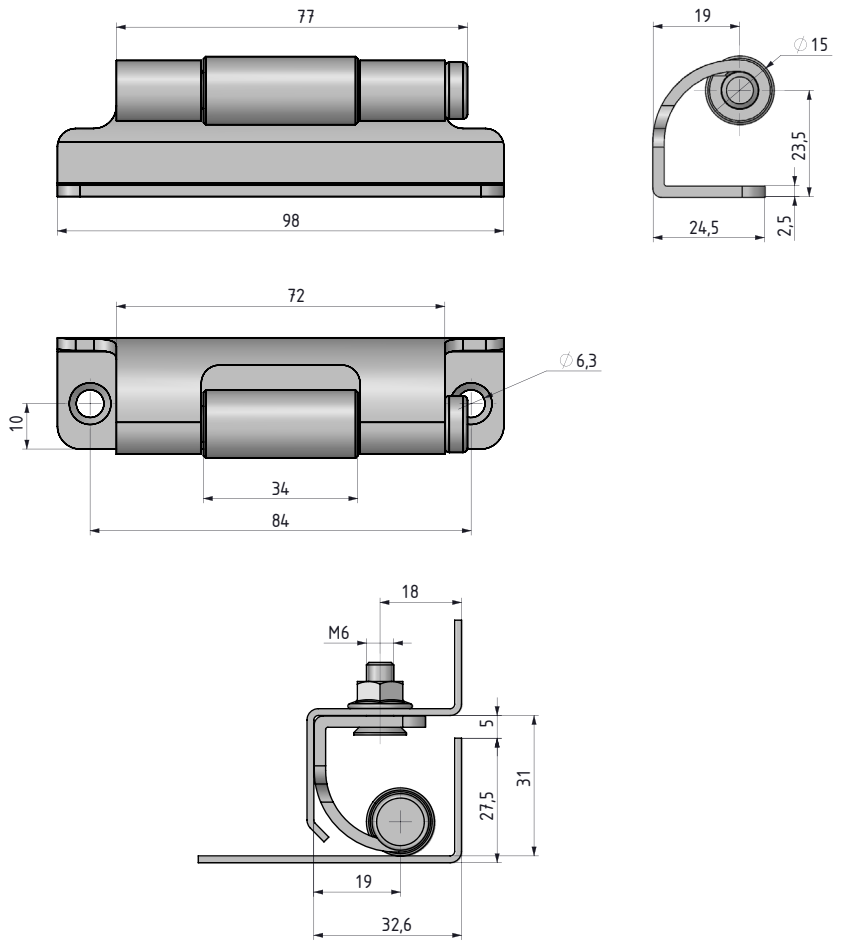
895



- 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

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated

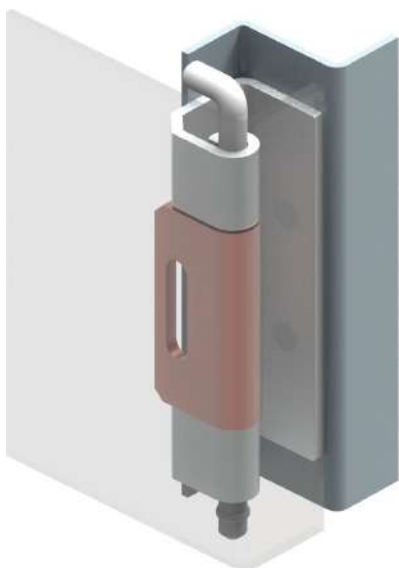
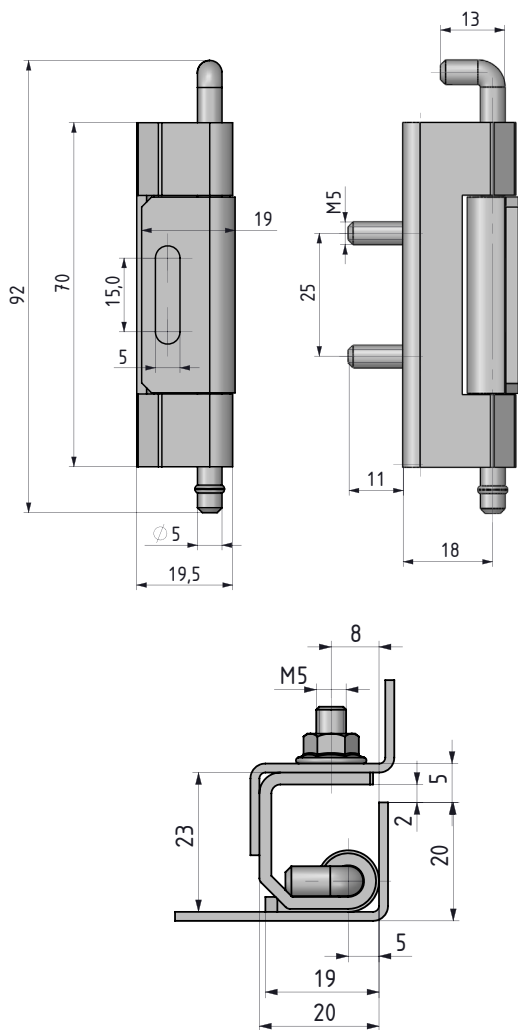


Hinge Rotation Angle



Note: Bolts are not supplied

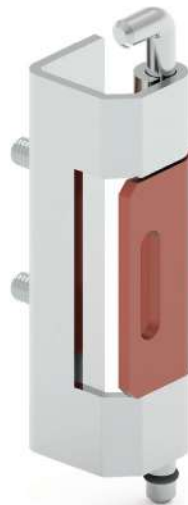
Group Code	Material	Finish
895	6	3



Group Code	Material	Finish
1095	6	3

1095

CONCEALED HINGE



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

MATERIAL
BODY: Steel
FIXED PART: Steel
PIN: Steel

FINISH
BODY: Zinc plated
FIXED PART: Copper plated

Hinge Rotation Angle

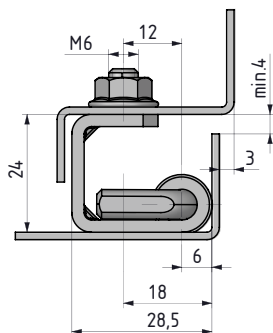
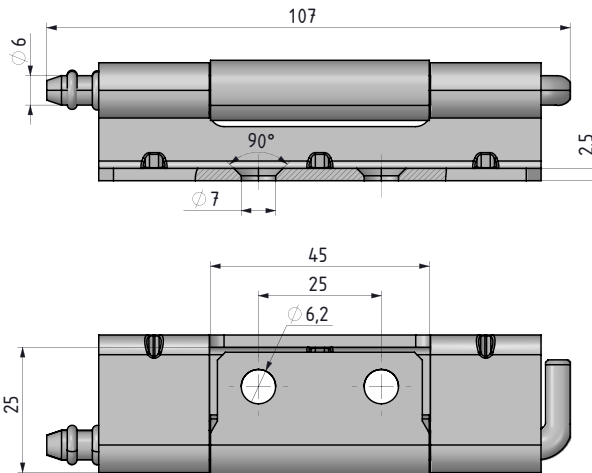




CONCEALED HINGES

CONCEALED HINGE

995

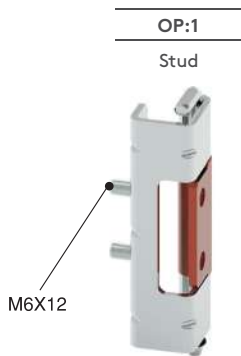


- **Stainless Steel version:**
page: 491
- Side part can be mounted with M5 screws
- Centre part copper plated for easy welding
- Suitable for heavy-duty applications
- Suitable for 25 mm bend door cabinets

MATERIAL
Steel

FINISH
BODY: Zinc plated
WELDING PART: Copper plated (MP1)

Note: Bolts are not supplied



Hinge Rotation Angle



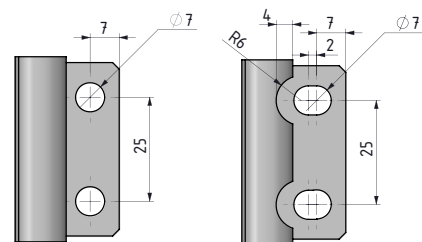
Note: Nuts are not supplied



V:3
Fixed by O-ring

V:4
Fixed by clips

Middle Parts

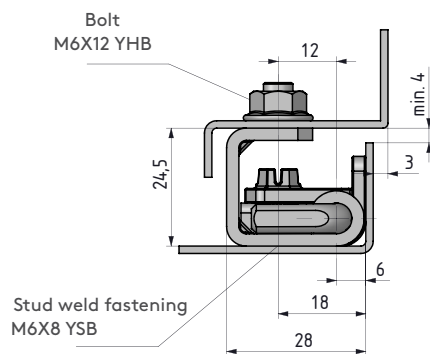
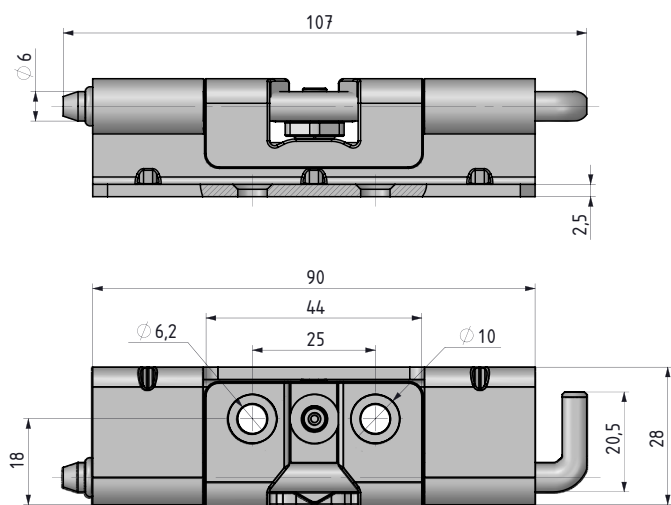


MP:1
Circle Hole

MP:2
Slot hole

Group Code	Material	Finish	Version	Middle Part	Option
995	6	3	V	MP	OP

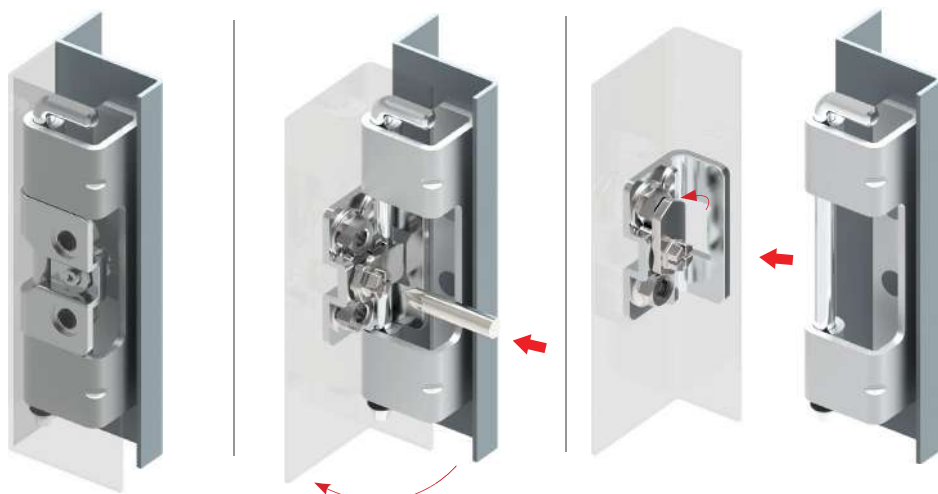
OPTION	OP
Hole	0
Stud	1



Position 1
Closed door

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

Position 3
The cover is removed



995

CONCEALED HINGE

RoHS



- 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

MATERIAL

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

FINISH:

BODY: Zinc plated
WELDING PART: Zinc plated

Hinge Rotation Angle



⚠ Note: Bolts and nuts are not supplied

Group Code	Material	Finish	Version	Option
995	6	3	2	OP

OPTION	OP
Hole	0
Stud	1



CONCEALED HINGES

CONCEALED HINGE

1995



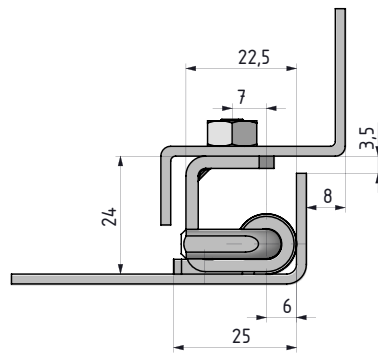
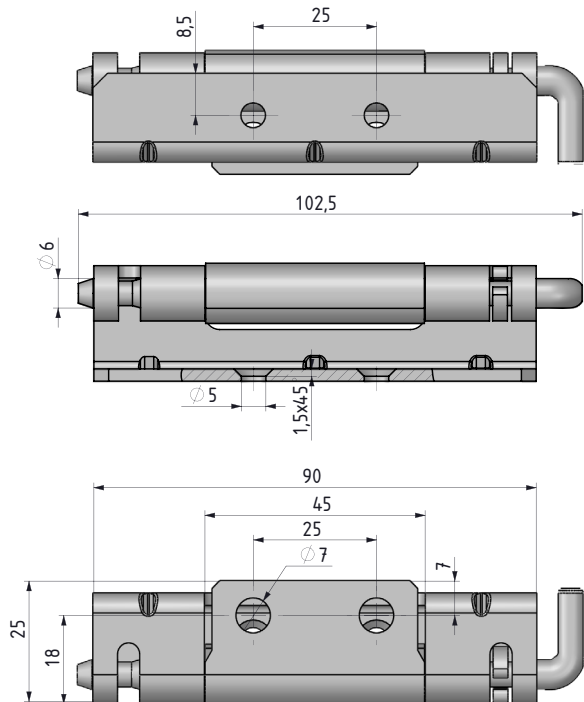
- Stainless steel version: page 490
- Remove the door by just removing the pin
- Suitable for 24 mm door bend cabinets
- Copper plated middle part for easy welding

MATERIAL

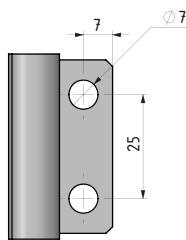
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FIXED PART: Steel

FINISH

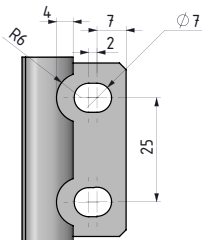
BODY: Zinc plated
WELDING PART: MP1: Copper plated
MP2: Zinc Plated



Middle Parts



MP: 1
Circle Hole

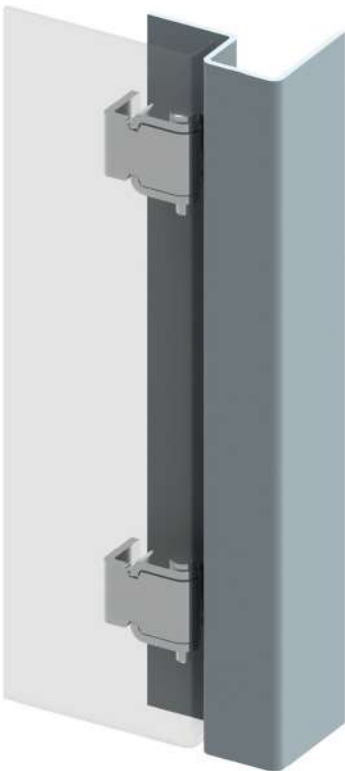
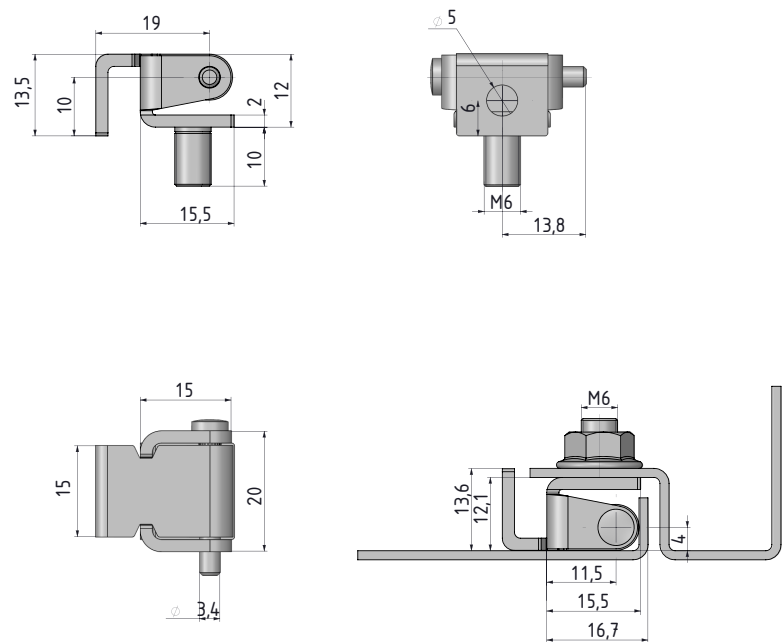


MP: 2
Slot hole

Note: Bolts are not supplied

Group Code	Material	Finish	Version	Middle Part	Option
1995	6	3	4	MP	0

OPTION	OP
Hole	0



595

CONCEALED HINGE



• Can be used for small size panels

MATERIAL
Steel

FINISH
Zinc plated

WELDING PART: Copper Plated

Note: Bolts are supplied

Group Code	Material	Finish
595	6	3



CONCEALED HINGES

SPRING LOADED

189

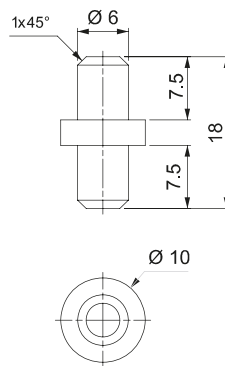
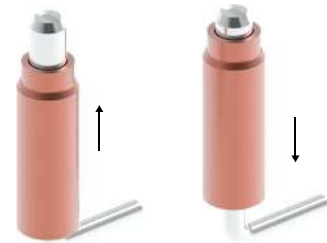
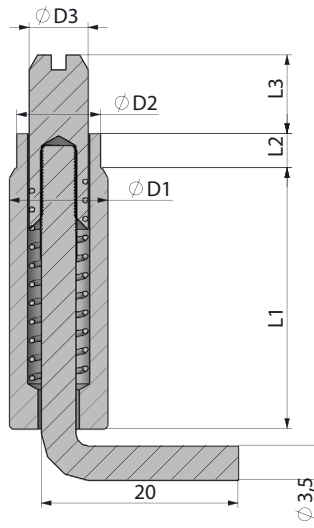


- For internally mounted doors
- Spring loaded hinge for easy door removal
- Body copper plated for easy welding. Available as spring-loaded, up-and-down pair; or spring-loaded up hinge and fixed bottom hinge

MATERIAL
Steel

FINISH
BODY: Copper plated
Other materials: Zinc plated

Hinge Rotation Angle

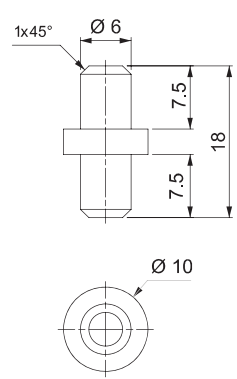
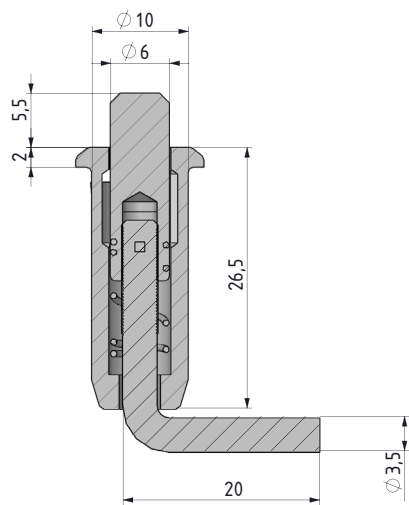


BOTTOM PIVOT PIN

32003192Y



Ø D1	Ø D2	Ø D3	L1 MM	L2 MM	L3 MM	PRODUCT CODE
10	8.5	6	26.5	3.5	13	189-9
10	8.5	6	38	3.5	11.70	189-10
12	9	6	38	3.5	9.30	189-12
15	12	9	47	6	14.5	189-15



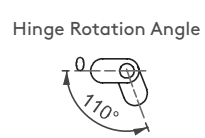
389

SPRING LOADED



- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Clip fixing for easy assembly
- Suitable for panel thicknesses of between 1 mm and 1.3 mm
- 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



32003192Y

BOTTOM PIVOT PIN



CONCEALED HINGES

CONCEALED HINGE

089

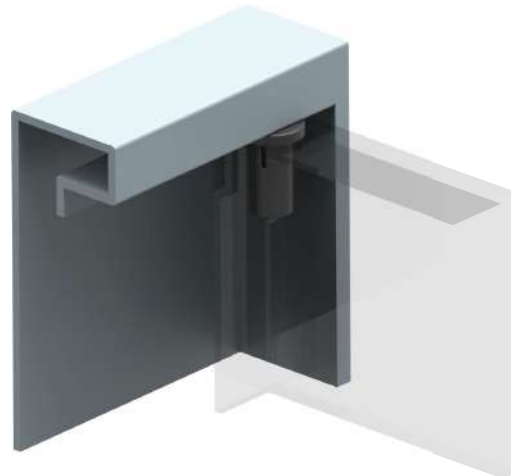
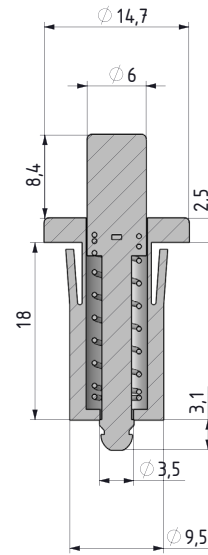


- For internally mounted doors
- Spring-loaded hinge for easy door removal
- Clip fixing for easy assembly
- Suitable for panel thicknesses of between 0.5 mm and 0.8 mm
- Available as spring-loaded, up-and-down pair; or spring-loaded up hinge and fixed bottom hinge

MATERIAL

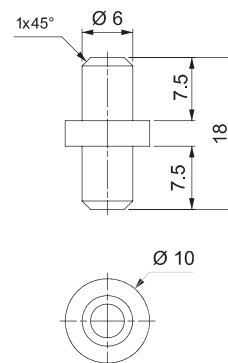
BODY: Polyamide DIN-EN
ISO1043-1 PA6 GFR 30
PIN: Steel

Hinge Rotation Angle

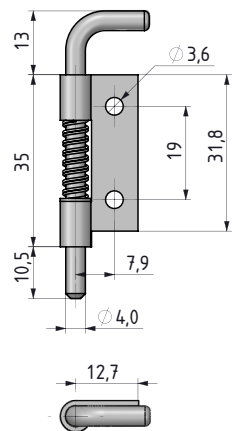


BOTTOM PIVOT PIN

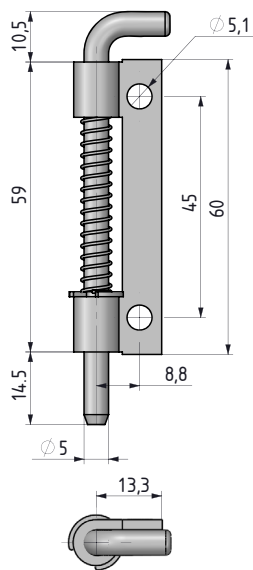
32003192Y



V: 1



V: 2



DOOR DIRECTION			
Right hand	001		
Left hand	002		

Group Code	Material	Finish	Version	Door Direction
289	6	3	V	

289

CONCEALED HINGE

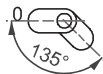


- Stainless steel version: page 489
- For internally mounted doors
- Spring loaded hinge for easy door removal
- Both versions are either screwed or welded on
- Suitable for left- and right-hand application

MATERIAL
Steel

FINISH
Zinc plated

Hinge Rotation Angle



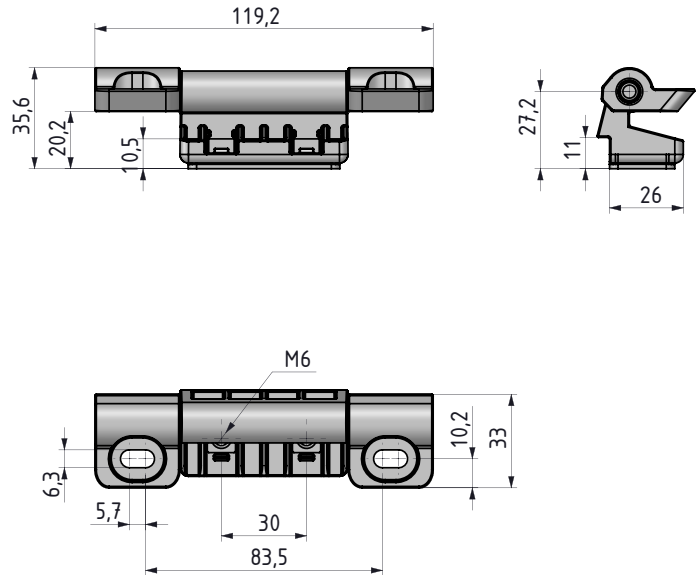
⚠ Note: Bolts are not supplied

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

► CONCEALED HINGES

CONCEALED HINGE

394



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

MATERIAL

FRAME PART: PA6 GFR30

DOOR PART: PA6 GFR30

NUT: Steel

Hinge Rotation Angle



⚠ Note: Bolts are not supplied



1495

CONCEALED HINGE



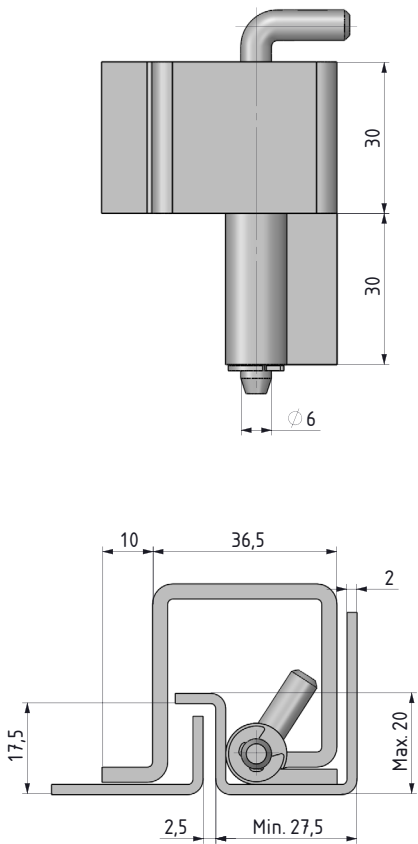
- Frame part and door parts are welded on
- Used for special geometry profiles of the cabinets

MATERIAL

BODY: Steel
PIN: Steel

FINISH

No finish



Group Code	Material	Finish
1495	6	0



336



337



338



339



340



341



342



343



344



345



346



347



348



349



350



351



CORNER HINGES

334-351



mesan
ESSENTIA COMPONENTS



CORNER HINGES

CORNER HINGE

097

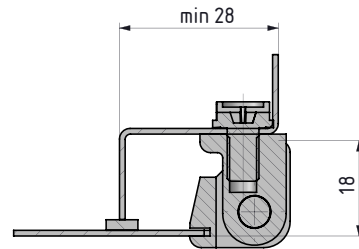
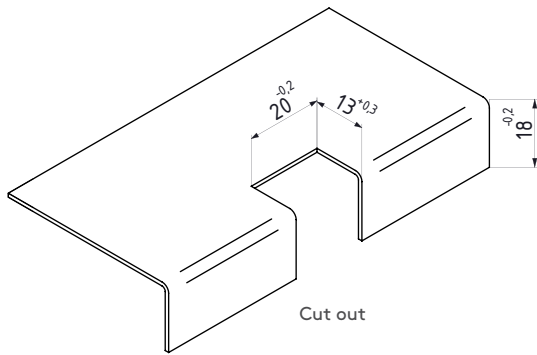
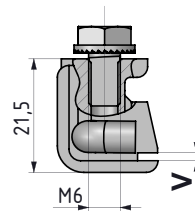
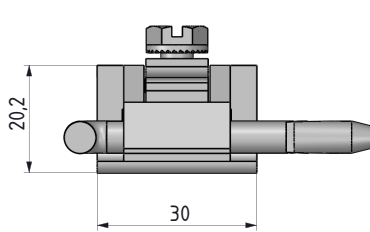
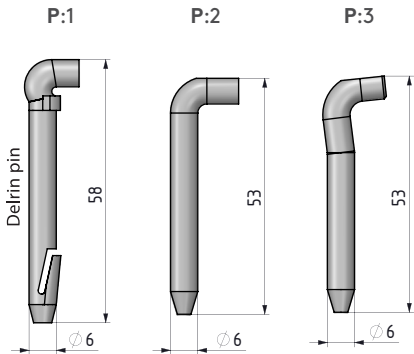


- **Stainless steel version: page 493**
- Corner hinge
- Suitable for steel panels with a thickness of between 1.0 mm - 2.2 mm and 2.5 mm
- Hinge pin available in three types

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
door plate thickness
(097 M-F-P-15)

V:22

1.5 mm - 2 mm
door plate thickness
(097 M-F-P-22)

V:25

2 mm - 2.5 mm
door plate thickness
(097 M-F-P-25)



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

Group Code	Material	Finish	Pin	Version
097	1	F	P	V

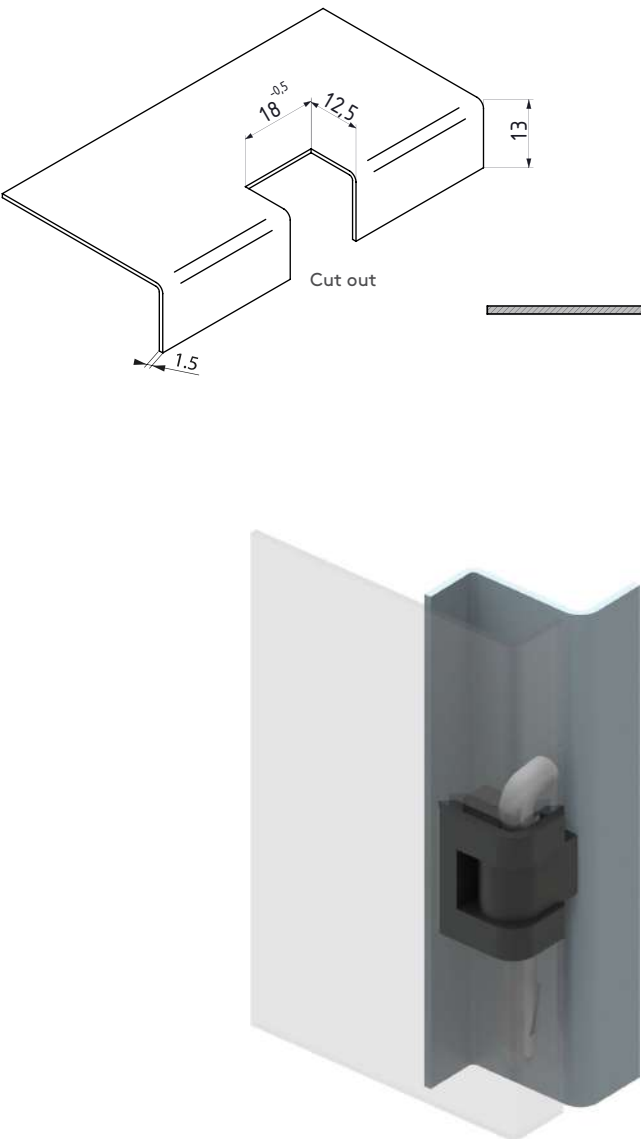
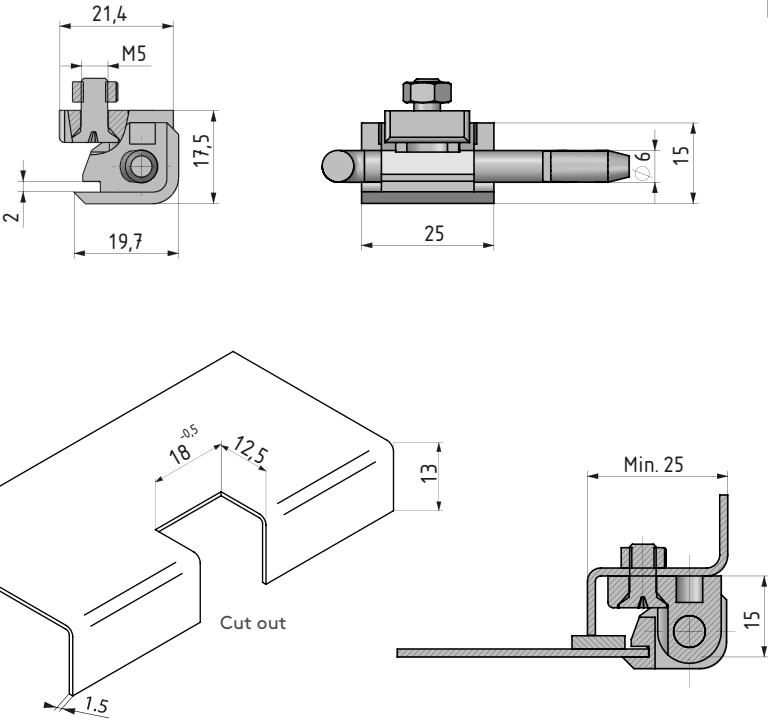
197

CORNER HINGE



- Corner hinge. Suitable for steel panels with a thickness of between 0.8 mm - 1.5 mm
- Hinge pin available in three types

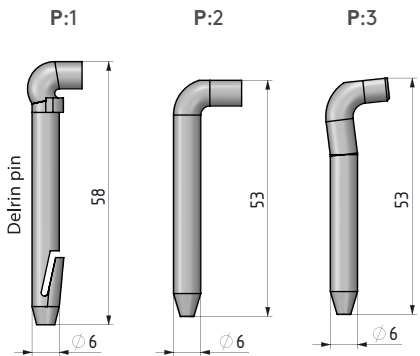
MATERIAL
BODY: Polyamide PA6 GFR 30
PIN: Steel or poliasetal (Delrin)



Hinge Rotation Angle
0 180°

MATERIAL	M	FINISH	F
Plastic	2	No finish	0

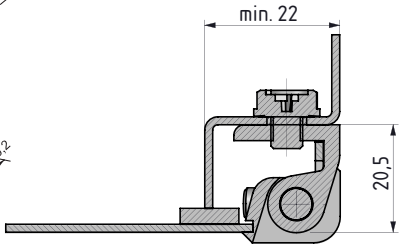
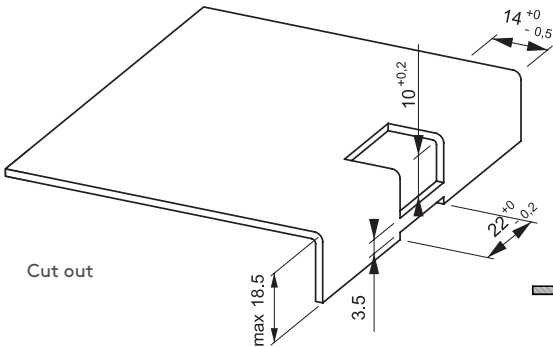
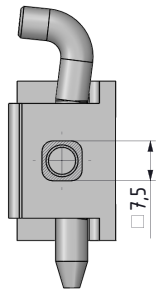
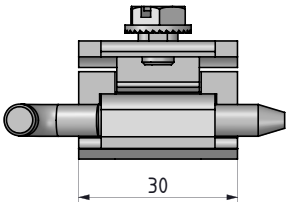
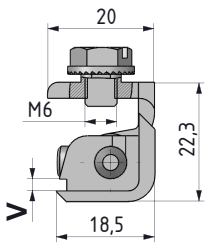
Group Code	Material	Finish	Pin
197	2	0	P



CORNER HINGES

CORNER HINGE

297

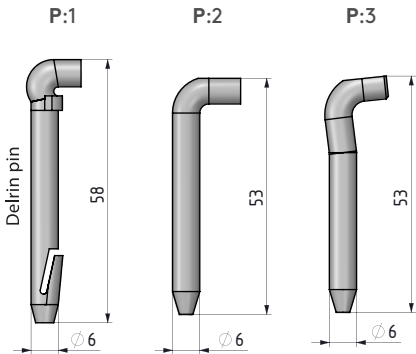


- Corner hinge. Cut out helps provide greater resistance than 097 hinge
- Suitable for steel panels with a thickness of between 1.0 mm and 1.5 mm
- Hinge pin available in three types

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 door plate thickness
(297 M-F-P-15)

V:22

1.5 mm door plate thickness
(297 M-F-P-22)

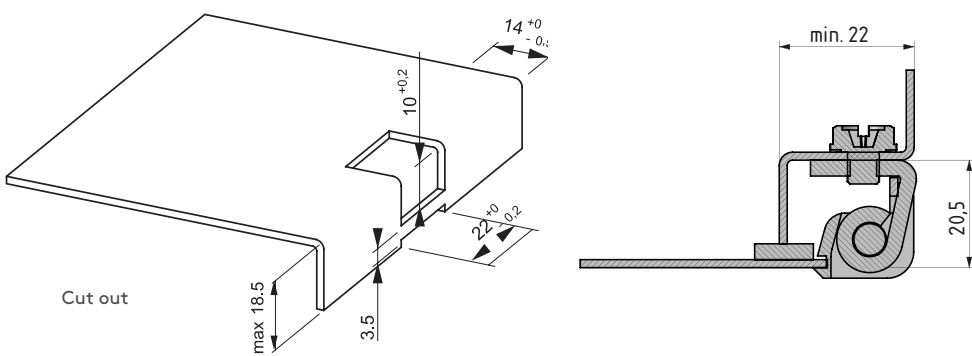
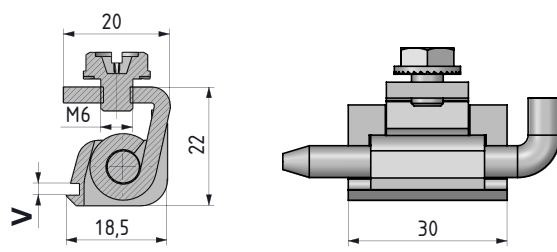


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Pin	Version
297	1	F	P	V

397

CORNER HINGE



V:15

1.0 mm - 1.2 mm door plate thickness
(397 M-F-P-15)

V:22

1.5 mm door plate thickness
(397 M-F-P-22)

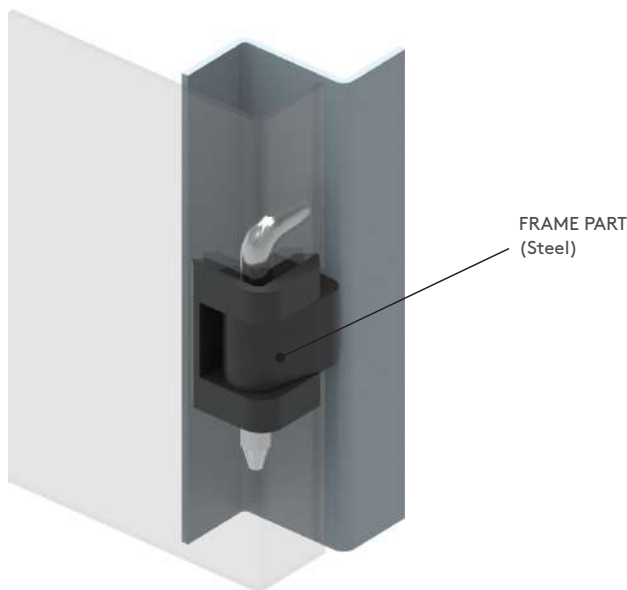
- Corner hinge. Cut out helps provide greater resistance than 097 hinge.
- Steel frame part provides higher strength
- Suitable for steel panels with a thickness of between 1.0 mm and 1.5 mm
- Hinge pin available in four types

MATERIAL

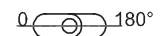
BODY: Zamak DIN-EN 1774-ZnAl4Cu1
FRAME PART: Steel

FINISH

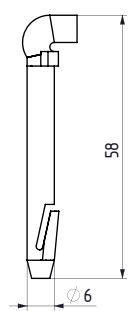
Chrome plated or black coated



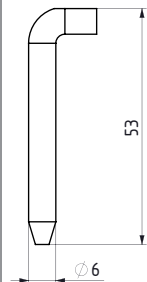
Hinge Rotation Angle



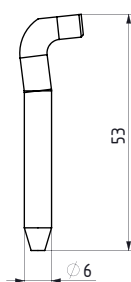
P:1



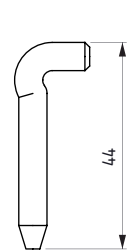
P:2



P:3



P:4



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

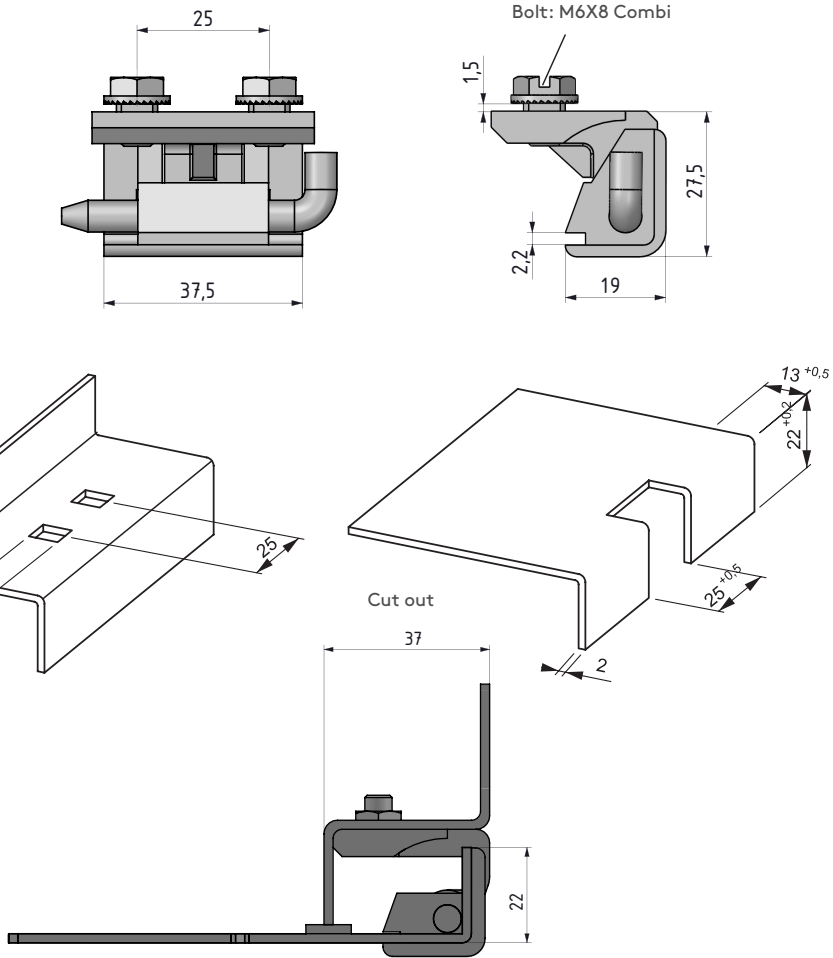
Group Code	Material	Finish	Pin	Version
397	1	F	P	V



CORNER HINGES

CORNER HINGE

298



- 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

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

PIN: Steel

FINISH

Chrome plated or black coated

Hinge Rotation Angle



P:2

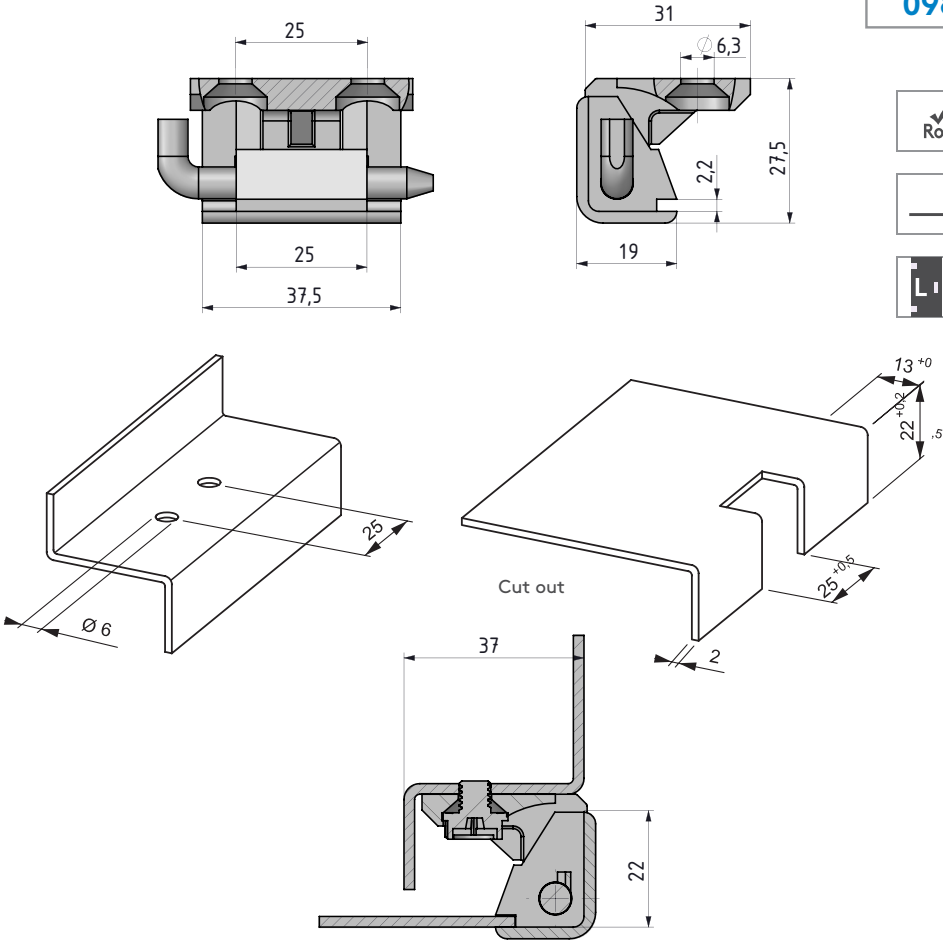


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Pin
298	1	F	2

098

CORNER HINGE



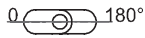
- Suitable for steel panels with a thickness of between 1.5 mm and 2 mm
- Steel hinge pin

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

FINISH
Chrome plated or black coated

Note: Bolts are not supplied

Hinge Rotation Angle



P:2



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

Group Code	Material	Finish	Pin
098	1	F	2

CORNER HINGES

CORNER HINGE

398



- 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

MATERIAL

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

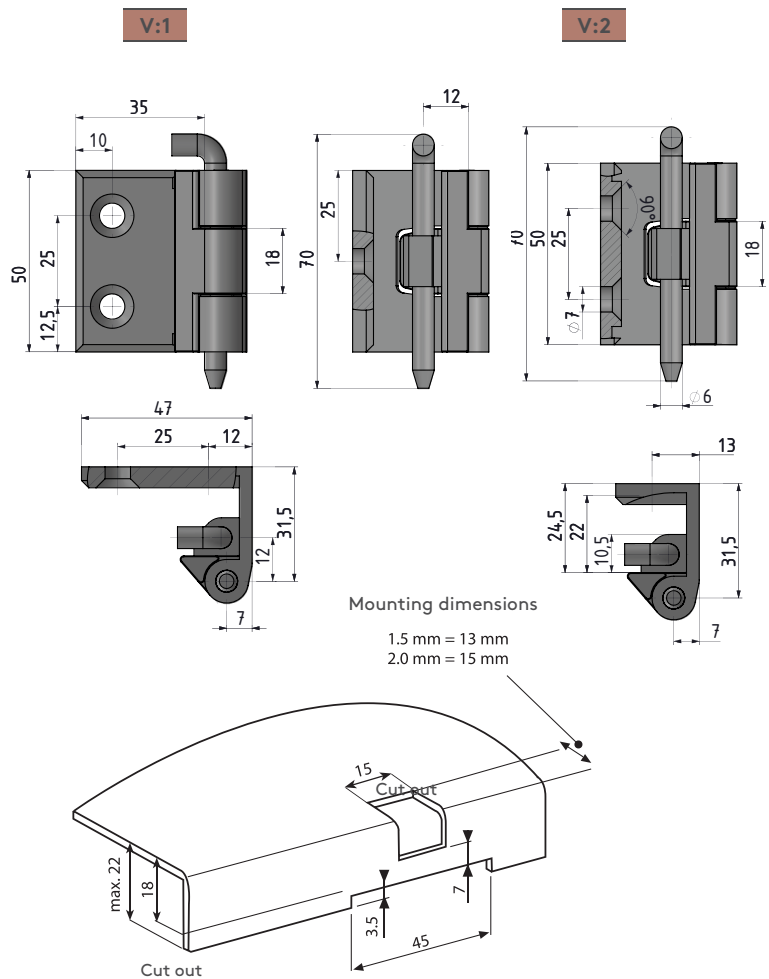
FINISH

Chrome plated or black coated

Hinge Rotation Angle



Note: Bolts are not supplied

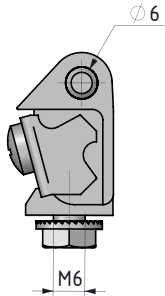
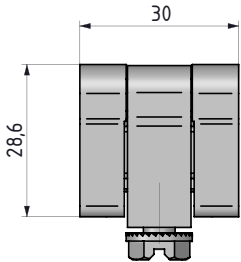


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Version
398	1	F	V

497

CORNER HINGE



- Corner hinge
- Grounding is possible

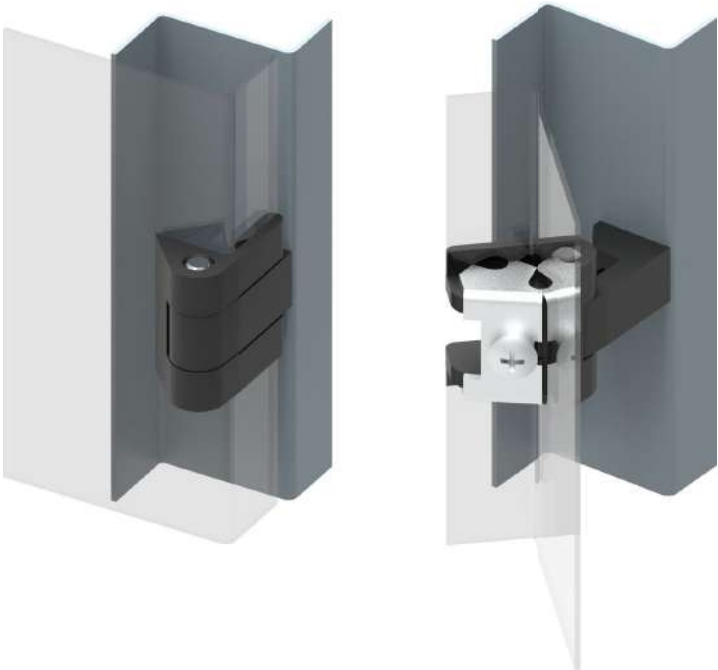
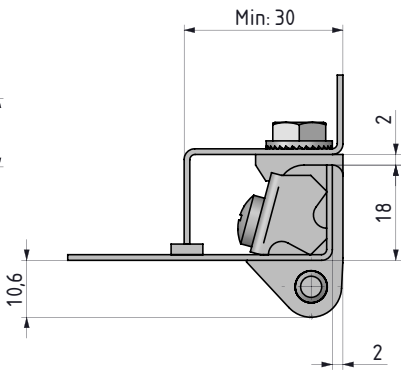
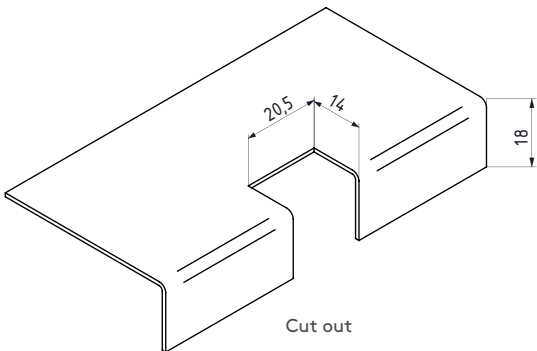
MATERIAL
DOOR PART: Zamak DIN-EN 1774-ZnAl4Cu1
FRAME PART: Zamak DIN-EN 1774-ZnAl4Cu1
FIXING BRACKET: Steel

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



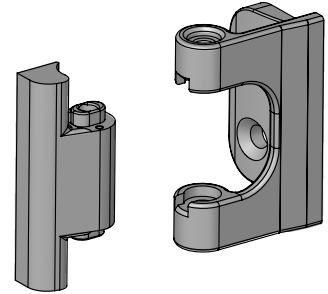
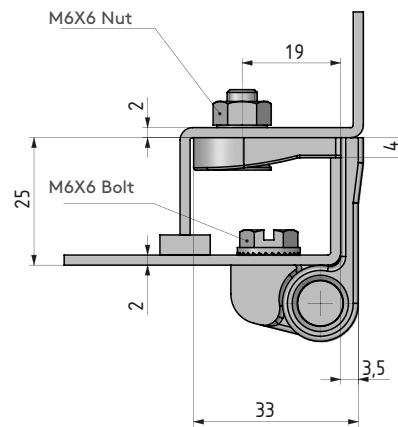
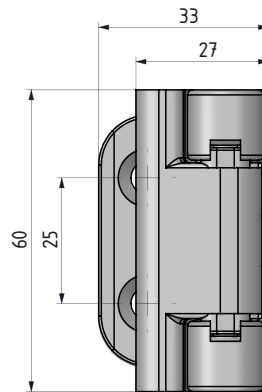
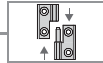
MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish
497	1	F

CORNER HINGES

CORNER HINGE

498



- 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



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

Group Code	Material	Finish
498	1	F

400

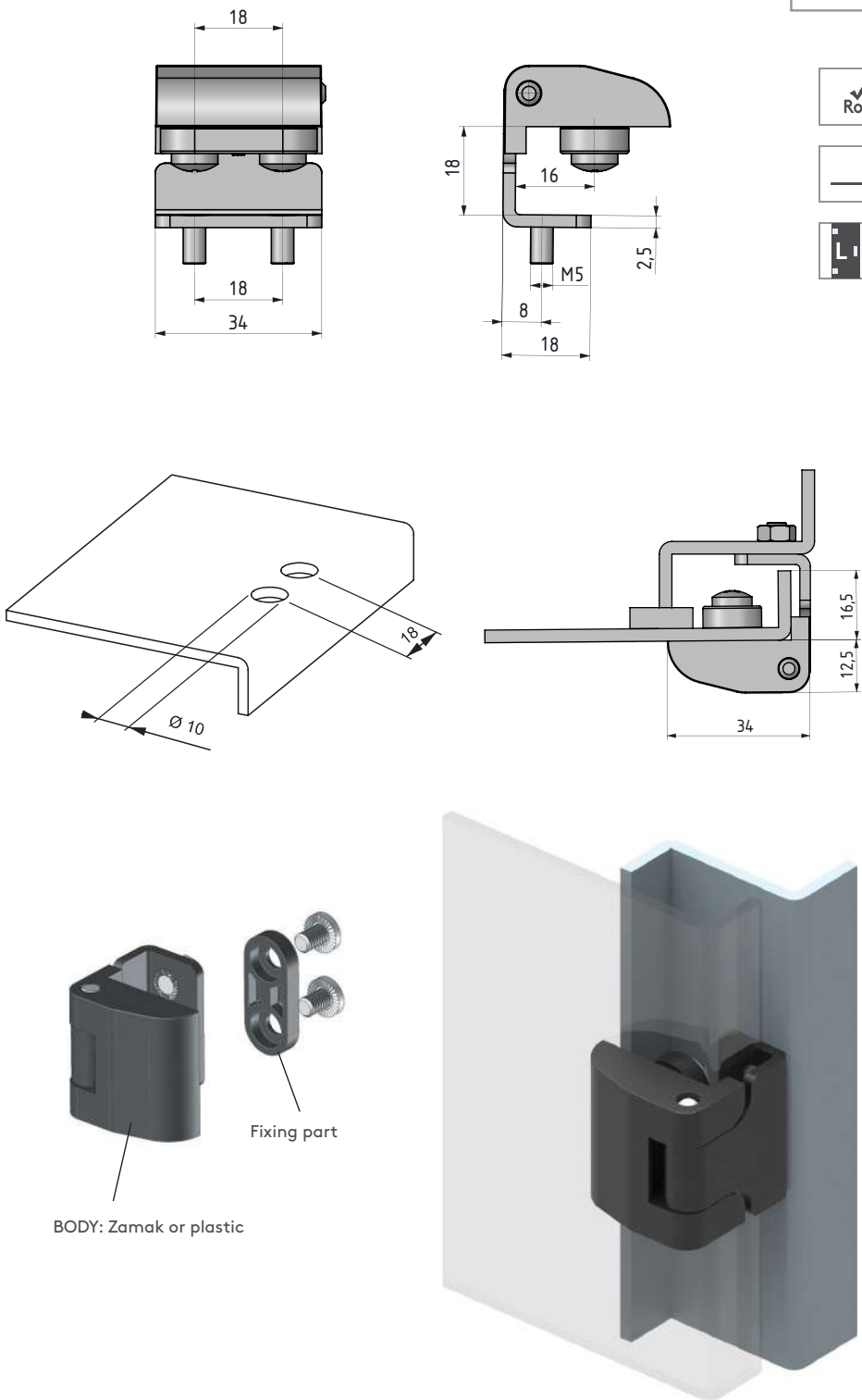
CORNER HINGE



- 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

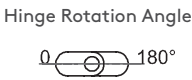
MATERIAL
BODY : Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30
FIXED PART: Steel
PIN: Steel

FINISH
Black coated



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

Group Code	Material	Finish	Version	Option
400	M	F	18	1



CORNER HINGES

CORNER HINGE

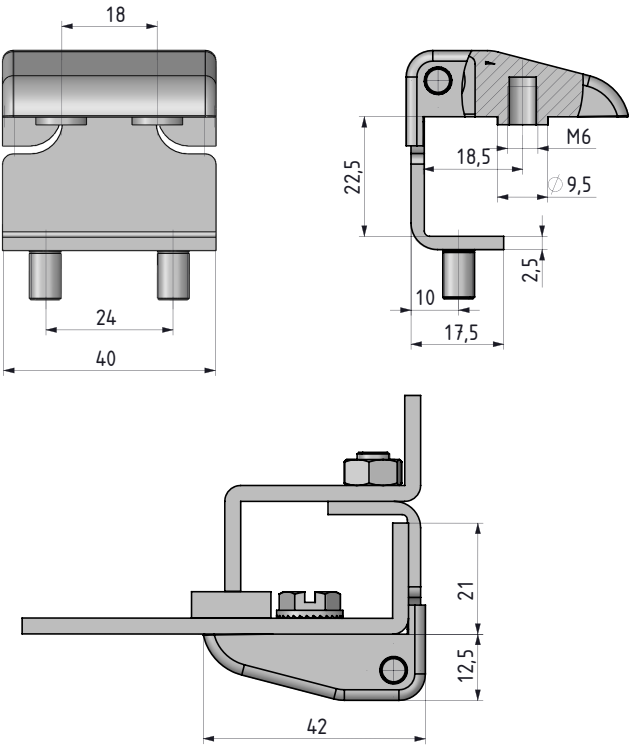
200



- For fitting to corner of doors with 21 mm bend
- Stud version available, using M6 studs

MATERIAL
 BODY: Zamak DIN-EN 1774-ZnAl4Cu1
 FRAME PART: Steel
 PIN: Steel

FINISH
 Black coated



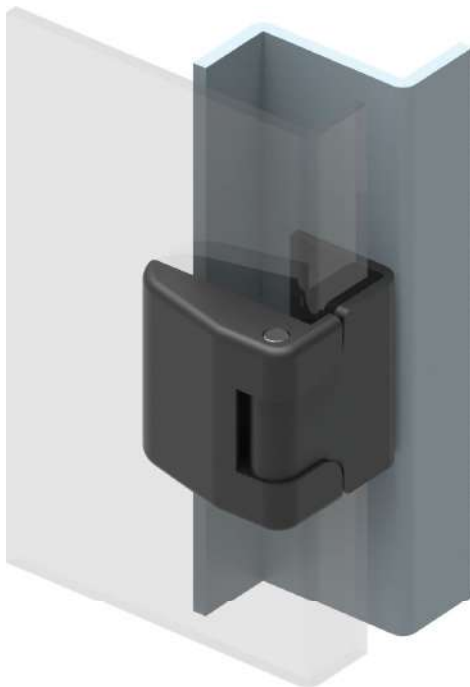
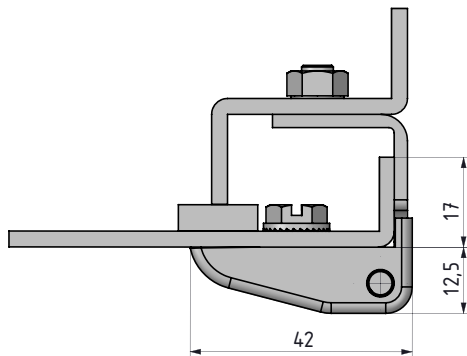
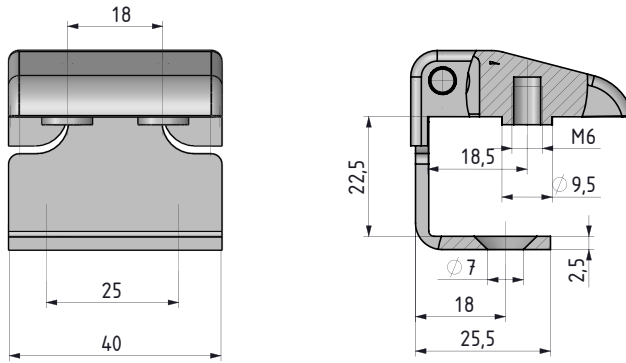
Hinge Rotation Angle



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Group Code	Material	Finish	Version	Option
200	1	2	17	OP

OPTION	OP
Hole	0
Stud	1



200

CORNER HINGE



MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

FRAME PART: Steel
PIN: Steel

PIN:	Steel
------	-------

FINISH

Black coated

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Group Code	Material	Finish	Version	Option
200	1	2	25	0

OPSİYON	OP
Hole	0

Hinge Rotation Angle

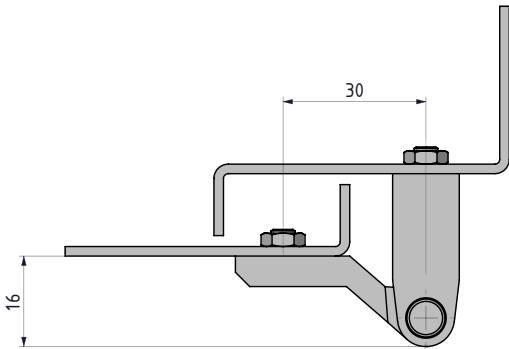
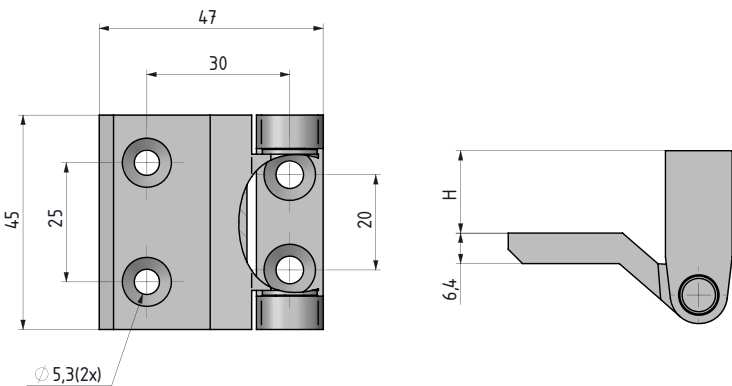


 **Note:** Bolts are not supplied

CORNER HINGES

CORNER HINGE

100



- Designed for plain/flush-mounted and side-mounted doors
- For side-mounted doors with a bend between 0 mm and 30 mm
- Hardened steel hinge pin

MATERIAL

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

FINISH

Black coated

H
00
02
03
05
07
10
15
17
20
25
27
30



Hinge Rotation Angle



Note: Bolts are not supplied

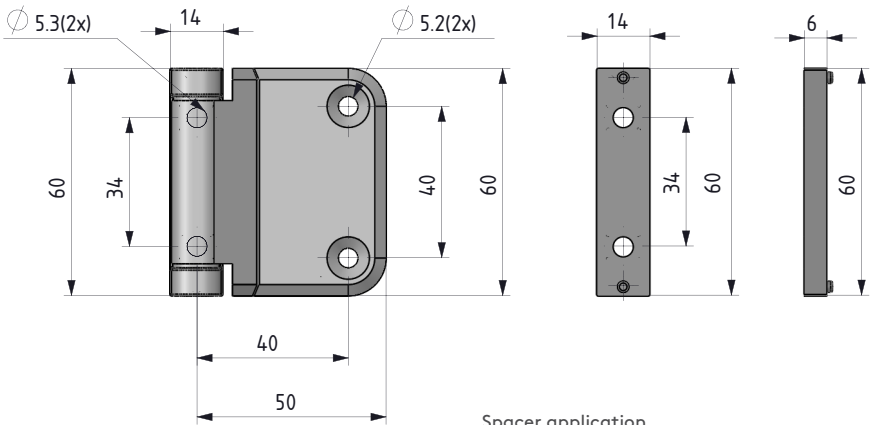
MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Height
100	1	F	H

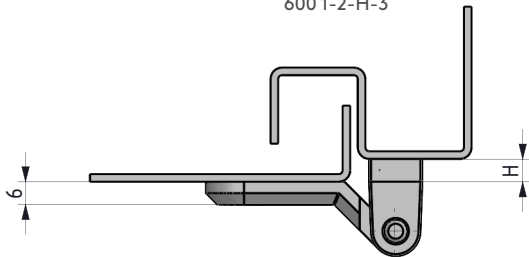
600

CORNER HINGE

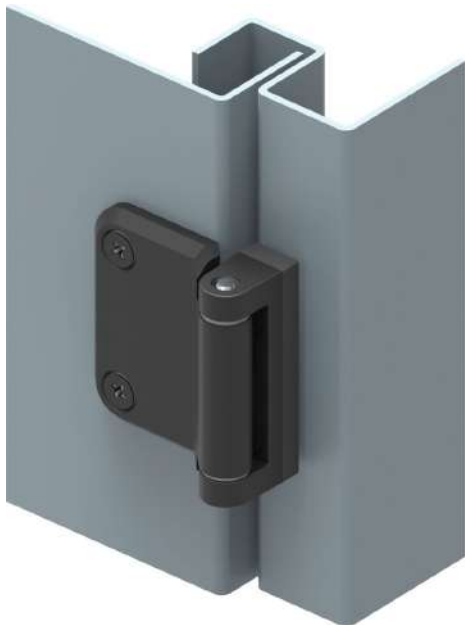
V:3



Spacer application
600 1-2-H-3



H
00
06
12
18



- Stainless steel version: page 498
- For side-mounted doors with a bend of 0-18 mm
- Pin and plastic guides supplied separately

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

FINISH
Black coated

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Group Code	Material	Finish	Height	Version
600	1	2	H	3

Hinge Rotation Angle



Note: Bolts are not supplied

CORNER HINGES

HVAC HINGE (2D)

600



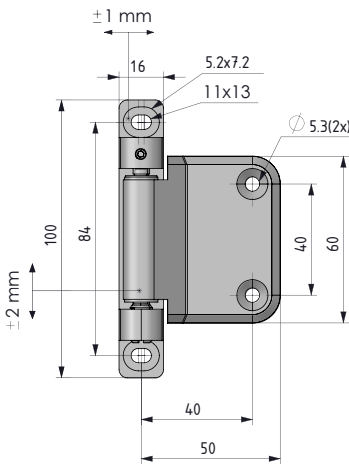
✓
RoHS

2D

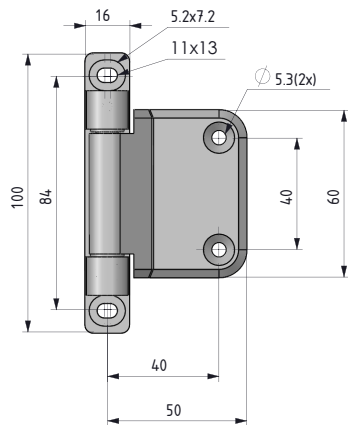


V:1

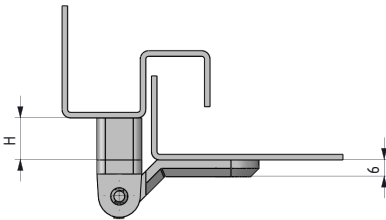
2D Adjustable



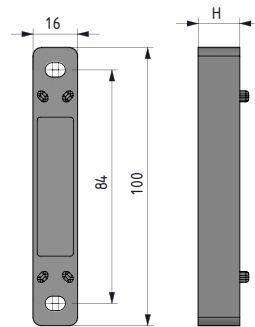
V:2



Spacer application



H
00
03
05
10
15



Spacer

- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustments possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm

MATERIAL

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

FINISH

Black coated

Hinge Rotation Angle



Note: Bolts are not supplied

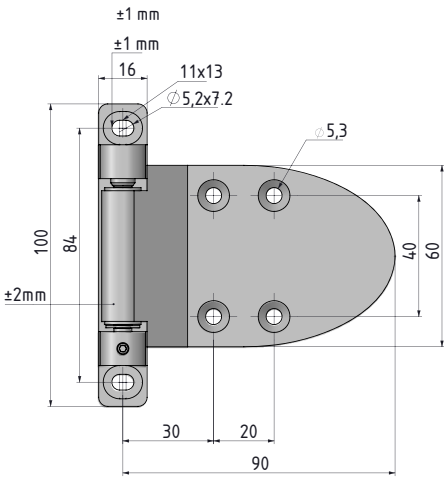


MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

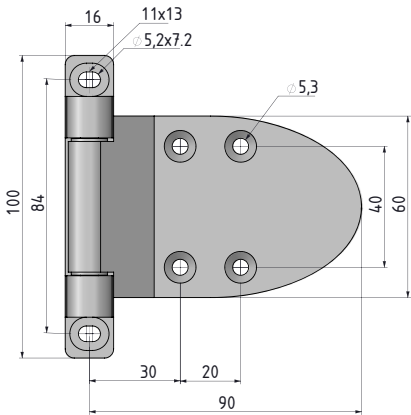
DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Material	Finish	Height	Version	Door Direction
600	1	2	H	V	

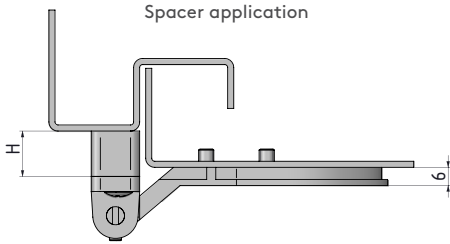
V:1
2D Adjustable



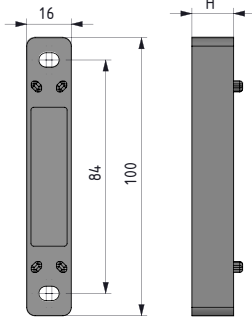
V:2



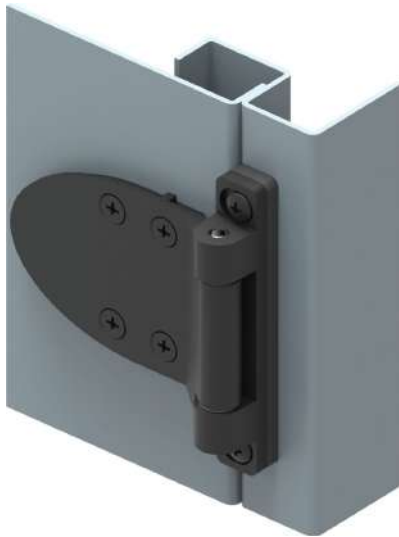
Spacer application



Spacer



H
00
02
07
12



700

HVAC HINGE (2D)

RoHS



- Hinge supplied pre-assembled to decrease labour costs
- Two-dimensional door adjustments possible
- Axial adjustment is ± 2 mm. Radial adjustment is ± 1 mm

MATERIAL

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

FINISH

Black coated

MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Material	Finish	Height	Version	Door Direction
700	1	2	H	V	

Hinge Rotation Angle



Note: Bolts are not supplied



355



356-359



360



361



361



363



364



365



366



367



368-369



370



371



372



373



374



375



376-377



378



379



380



381



382



NEW

383



384



FLAT HINGES

352-385

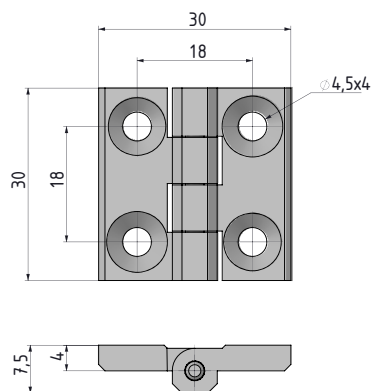


mesan
ESSENTIA COMPONENTS



FLAT HINGES





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

Group Code	Material	Finish
1299	1	F

1299

MINI LEAF HINGE



- Stainless steel version: page 498
- Generally used for plain/small flush mounted doors.
- Opening angle is 270°

MATERIAL

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

Hinge Rotation Angle

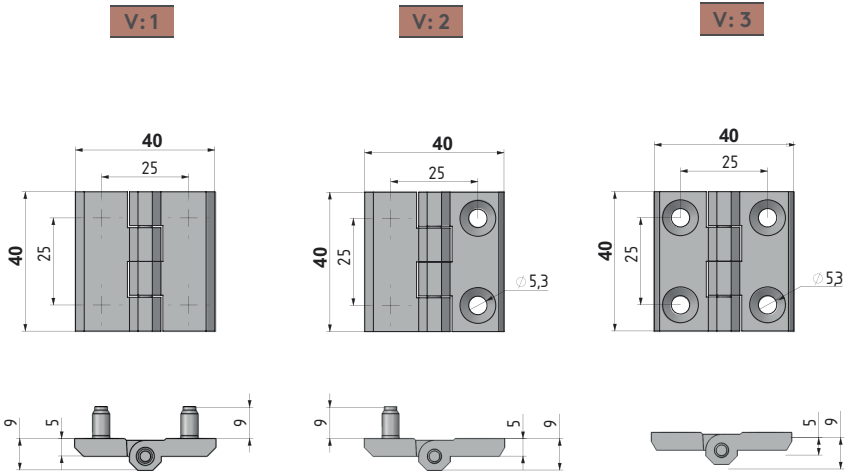
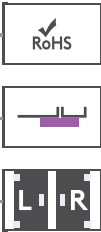




FLAT HINGES

LEAF HINGE

299



- **Stainless steel version: page 500**
- 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°

MATERIAL

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



Hinge Rotation Angle

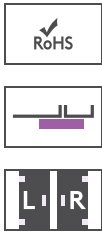
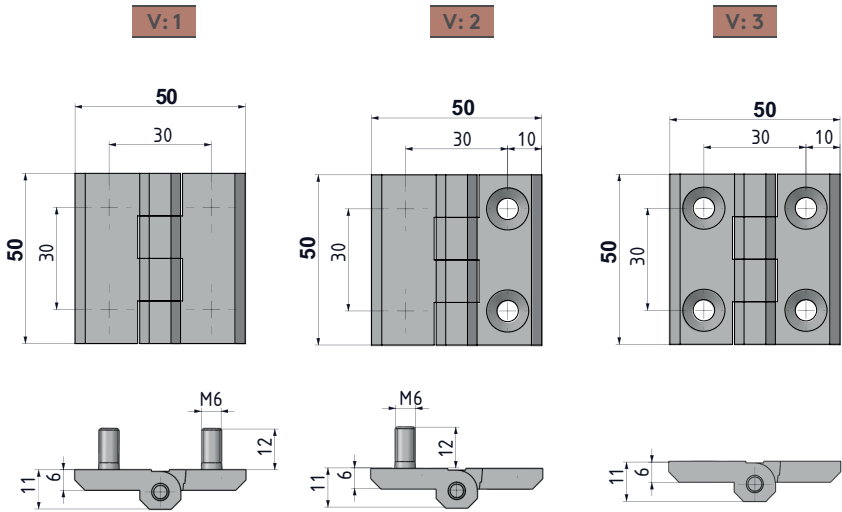


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2
Plastic	2	No finish	0

Group Code	Material	Finish	Version
299	M	F	V

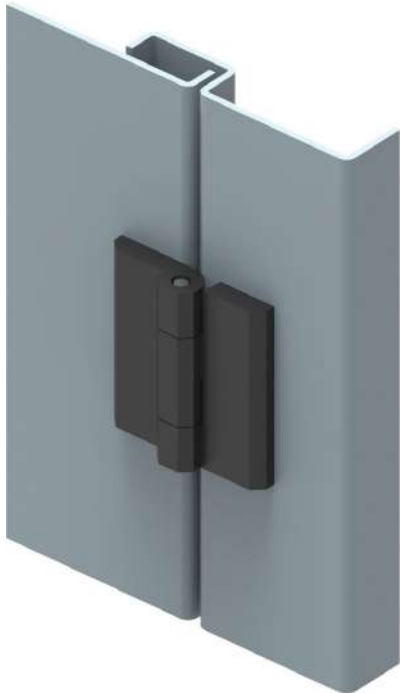
199

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°

MATERIAL
BODY: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30
PIN: Stainless Steel



MATERIAL	M	FINISH	F
Plastic	2	No finish	0

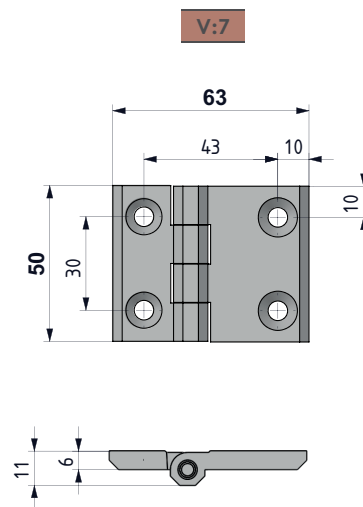
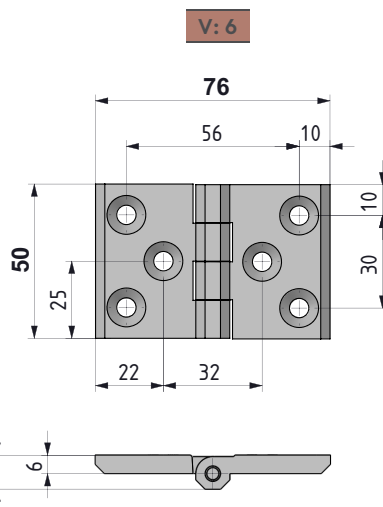
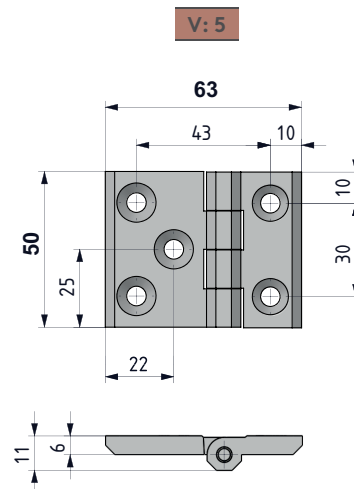
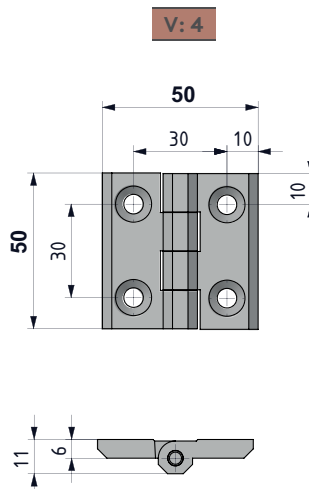
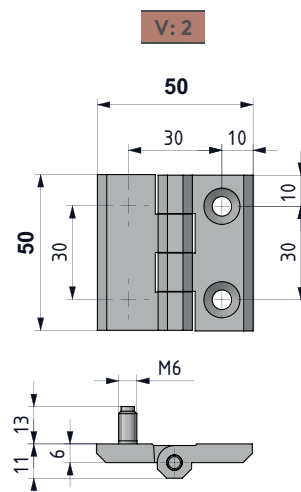
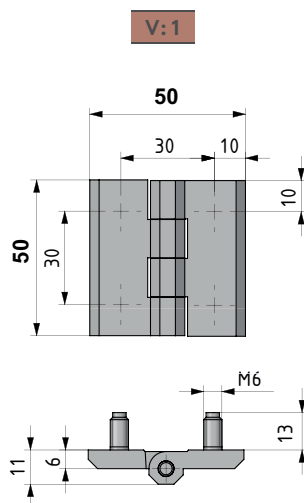
Group Code	Material	Finish	Version
199	2	0	V

Hinge Rotation Angle



LEAF HINGE

099



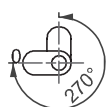
- Stainless steel version page 500,502
- Generally used for plain/flush-mounted doors
- Stud versions fitted with M6 x 12 mm threaded stud
- Stainless steel (AISI 304) hinge pin.
- Maximum hinge rotation 270°
- Available in three sizes, hole or stud fixing:
 - 50 mm x 50 mm
 - 50 mm x 63 mm
 - 50 mm x 76 mm

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1

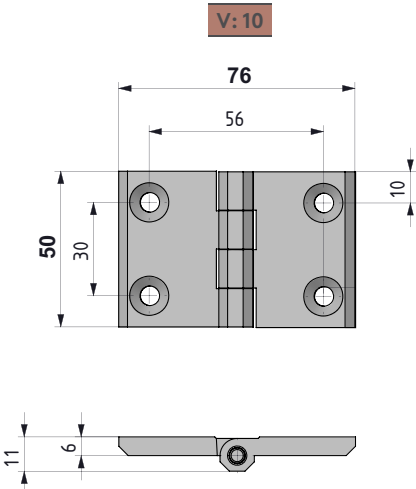
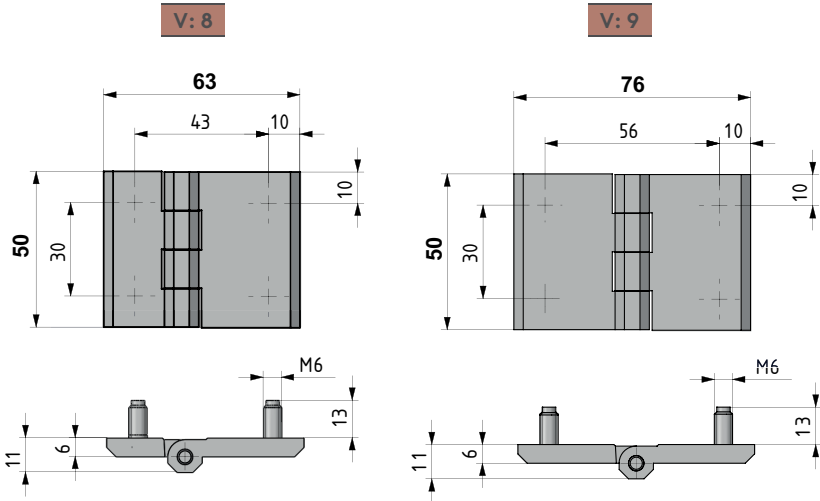
PIN: Stainless Steel

Hinge Rotation Angle



099

LEAF HINGE



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

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

Group Code	Material	Finish	Version
099	1	F	V

Hinge Rotation Angle

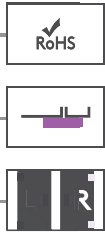




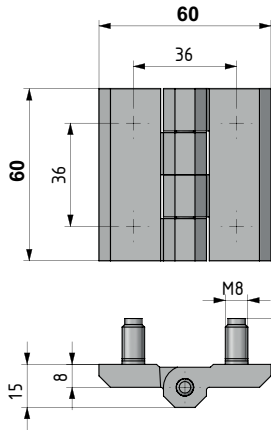
FLAT HINGES

LEAF HINGE

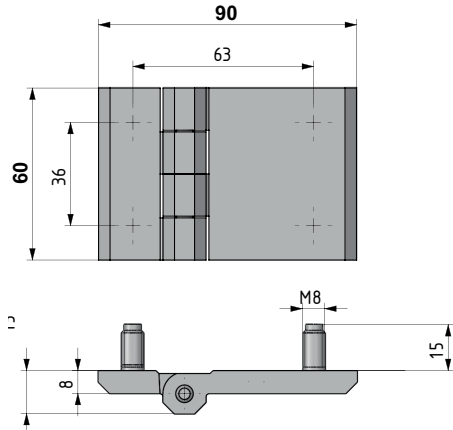
399



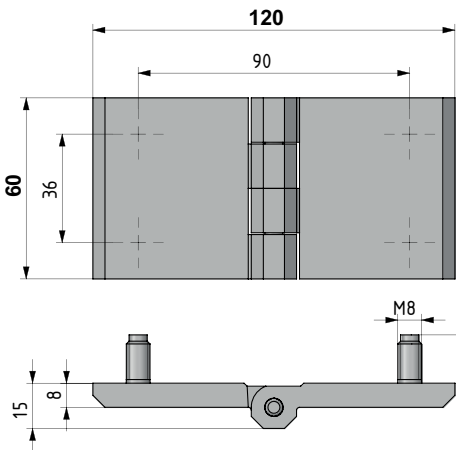
V: 1



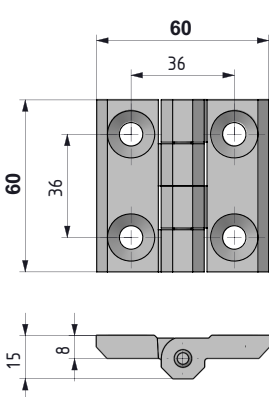
V: 2



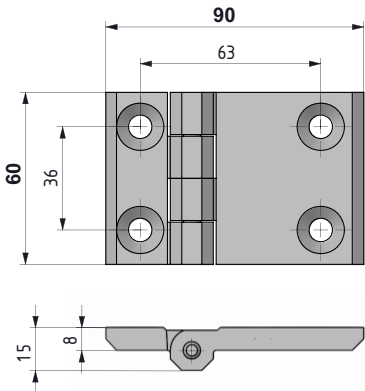
V: 3



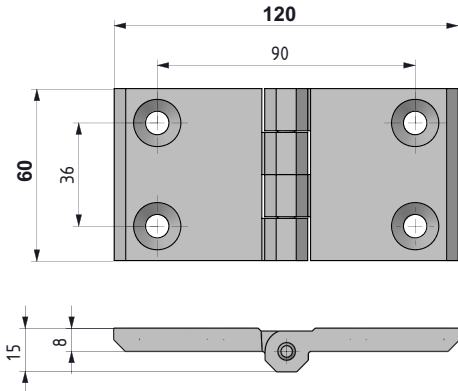
V: 4



V: 5



V: 6

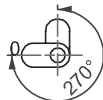


- Stainless steel version page 501,503
- Generally used for plain/flush-mounted, isolated heavy doors
- Stud versions fitted with M8 x 14 mm threaded stud
- Stainless steel (AISI 304) hinge pin
- Available in three sizes, hole or stud fixing:
 - 60 mm x 60 mm
 - 60 mm x 90 mm
 - 60 mm x 120 mm

MATERIAL

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

Hinge Rotation Angle

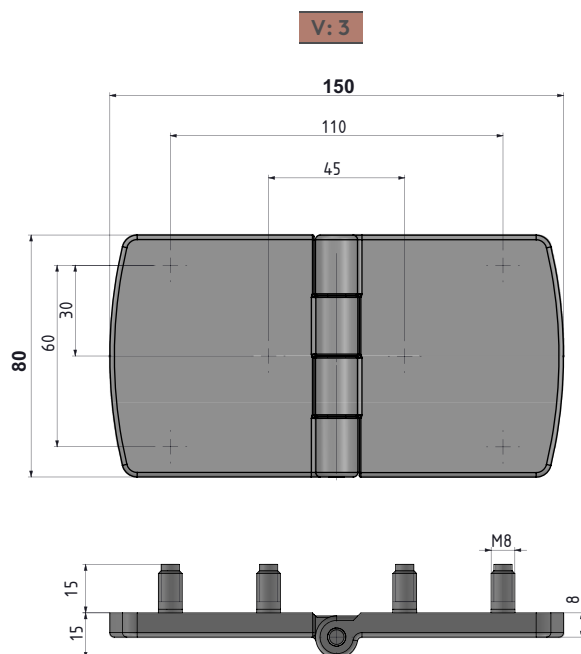
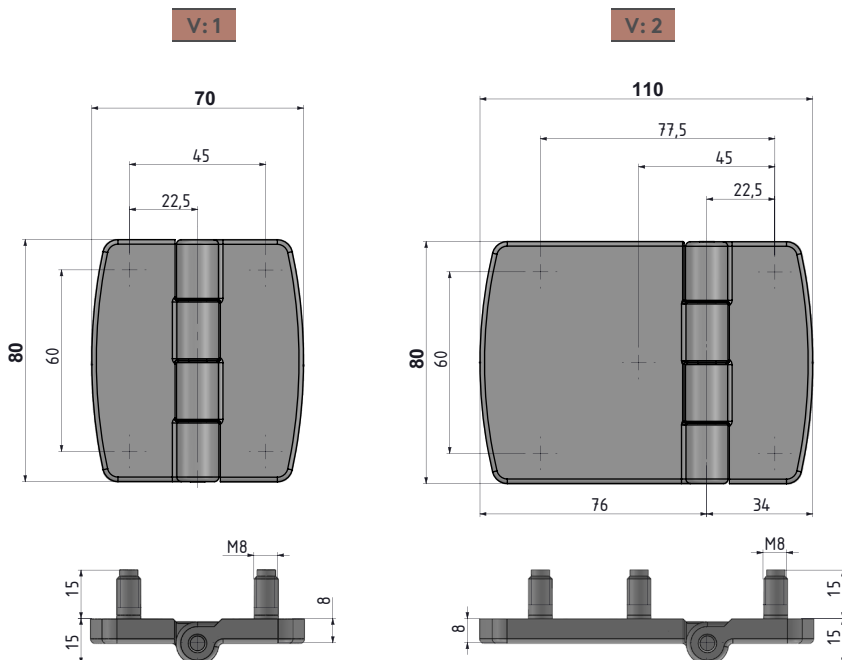


MATERIAL	M	FINISH	F
Zamak	1	Chrome plated	1
		Black coated	2

Group Code	Material	Finish	Version
399	1	F	V

1399

LEAF HINGE



- 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

MATERIAL

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

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

Group Code	Material	Finish	Version
1399	1	F	V

Hinge Rotation Angle

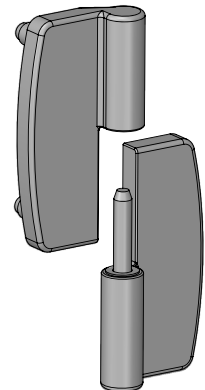
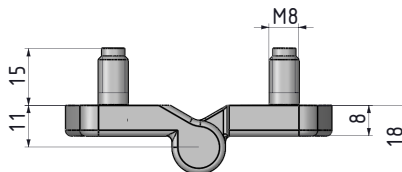
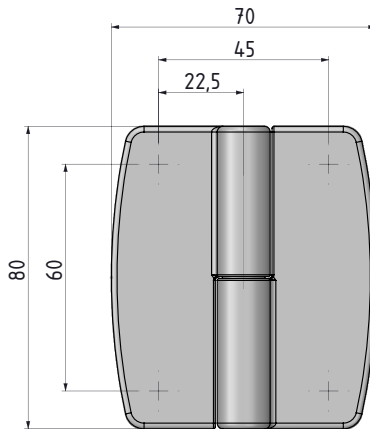
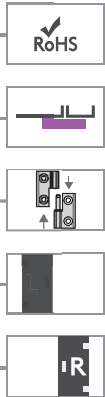




FLAT HINGES

LIFT-OFF HINGE

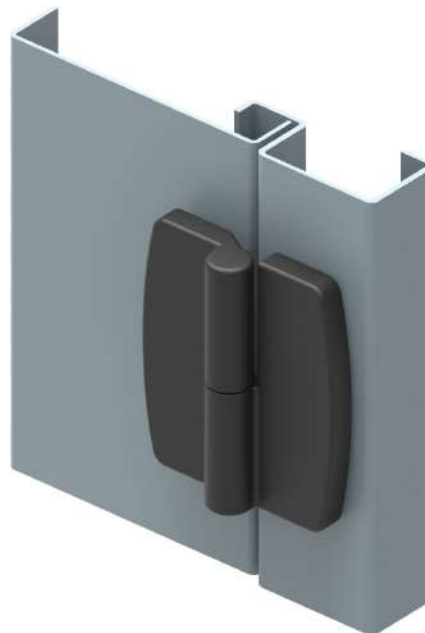
1699



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

MATERIAL

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

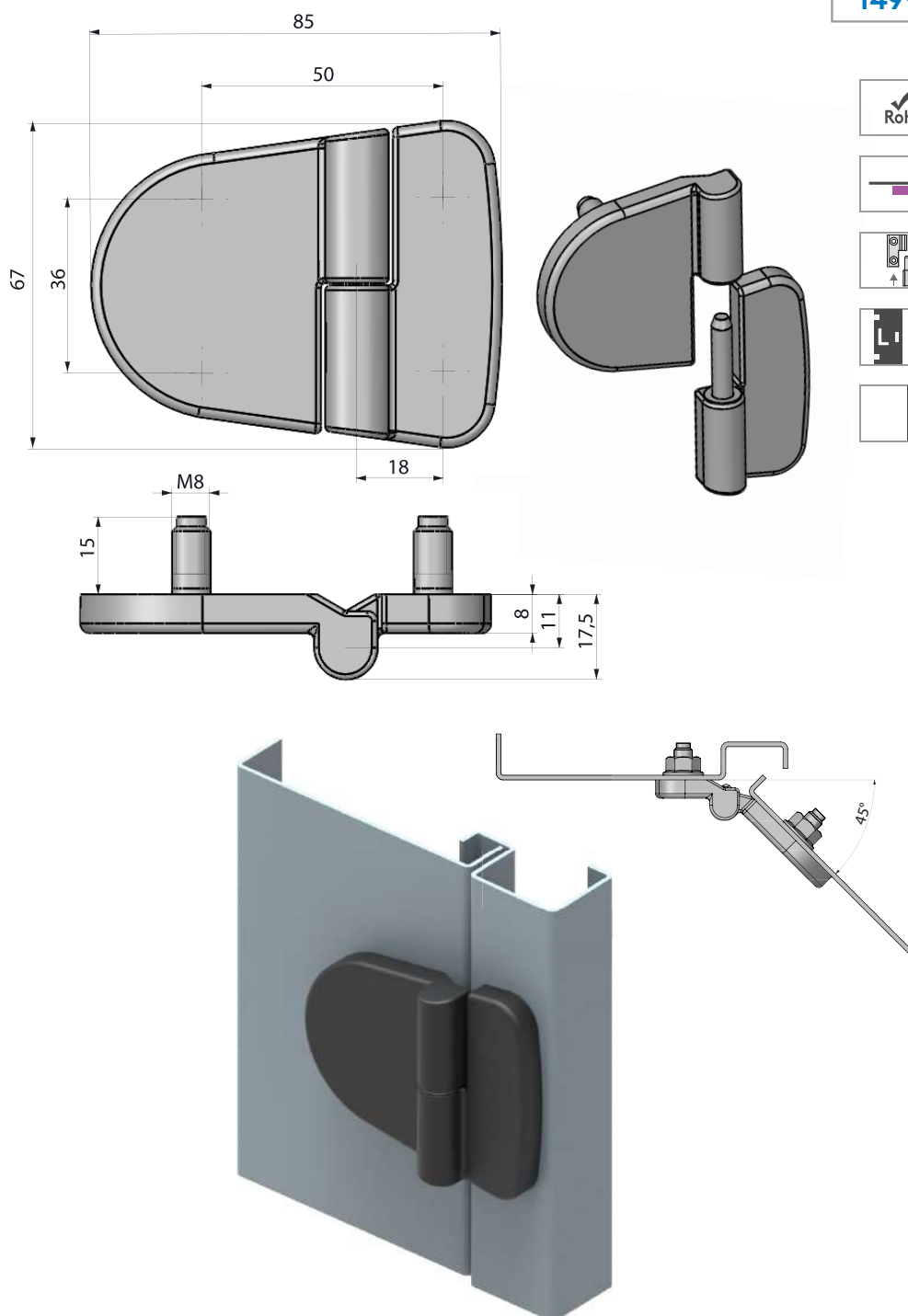


Hinge Rotation Angle



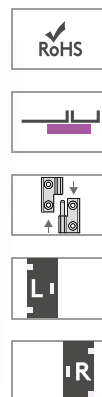
MATERIAL	M	FINISH	F	DOOR DIRECTION	
Zamak	1	Chrome plated	1	Right hand	001
		Black coated	2	Left hand	002

Group Code	Material	Finish	Version	Door Direction
1699	1	F	1	



1499

LIFT-OFF HINGE



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

MATERIAL

BODY: Zamak DIN-EN
1774-ZnAl4Cu1

PIN: Stainless Steel

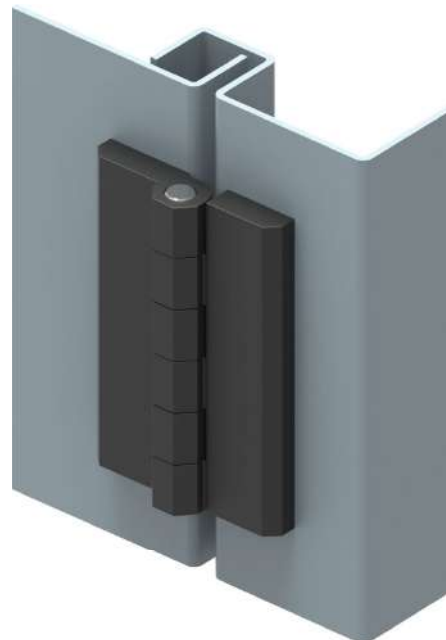
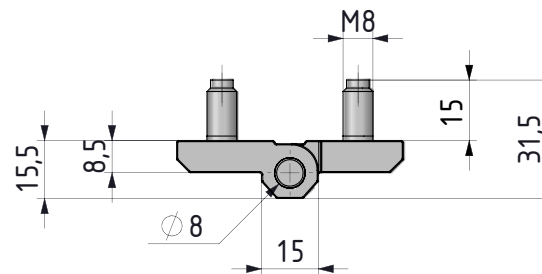
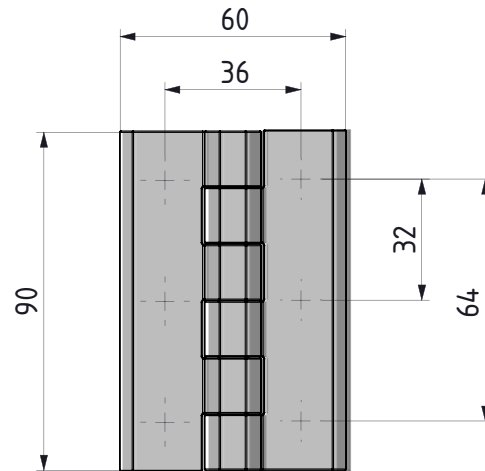
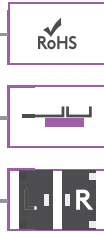
MATERIAL	M	FINISH	F	DOOR DIRECTION	
Zamak	1	Chrome plated	1	Right hand	001
		Black coated	2	Left hand	002

Group Code	Material	Finish	Door Direction
1499	1	F	

FLAT HINGES

LEAF HINGE

900



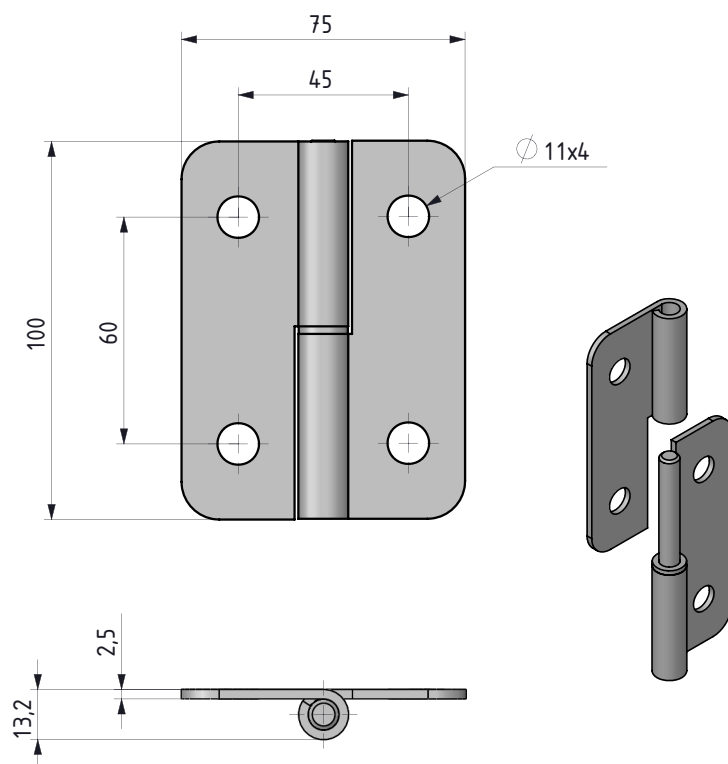
- Generally used for plain/flush-mounted doors and insulated panels
- Provides strong fixing by 6 pcs. M8 bolts
- Opening angle 270°

MATERIAL

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

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

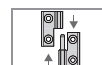
Group Code	Material	Finish
900	1	F



899

LIFT-OFF HINGE

RoHS



- Stainless steel version: page 508
- Heavy-duty lift off hinge
- Suitable for left- and right-hand applications
- Opening angle 180°

MATERIAL

BODY: Steel
PIN: Steel

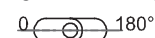
FINISH

Zinc plated or black coated

MATERIAL	M	FINISH	F	DOOR DIRECTION	
Steel	6	Zinc plated	3	Right hand	001
		Black coated	2	Left hand	002

Group Code	Material	Finish	Door Direction
899	6	F	

Hinge Rotation Angle

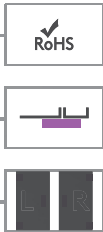




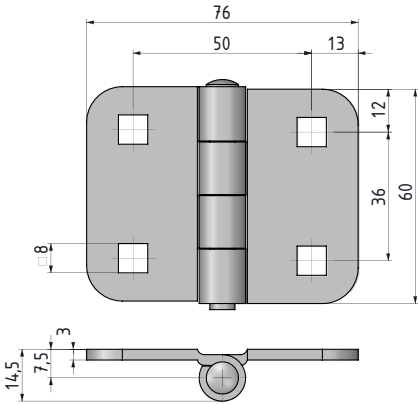
FLAT HINGES

LEAF HINGE

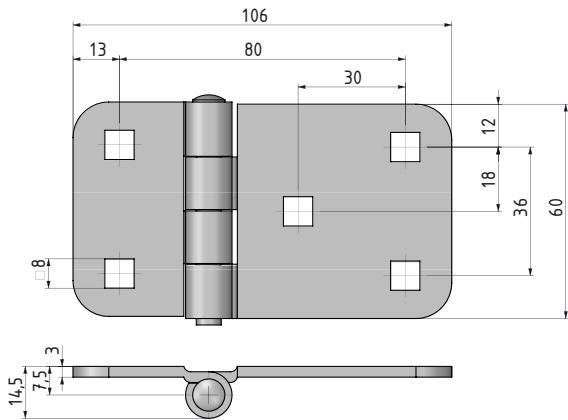
499



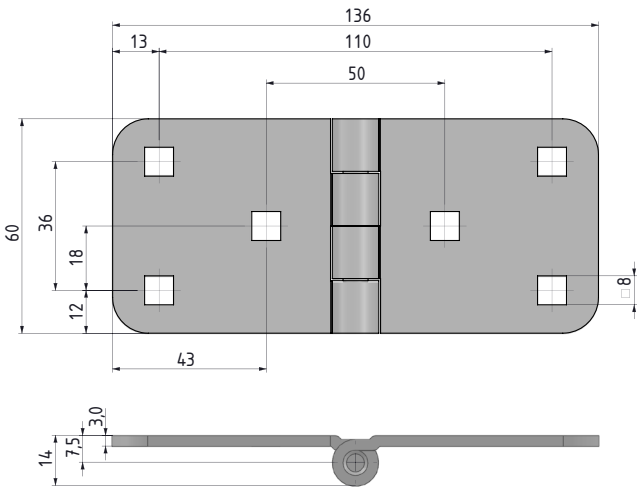
V: 1



V: 2



V: 3

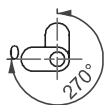


- Generally used for plain/flush-mounted, isolated, heavy doors
- Steel construction provides very high resistance
- M8 x 12 mm coach bolts supplied.

MATERIAL

BODY: Steel
PIN: Stainless Steel

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2

Group Code	Material	Finish	Version
499	6	F	V

599

LEAF HINGE

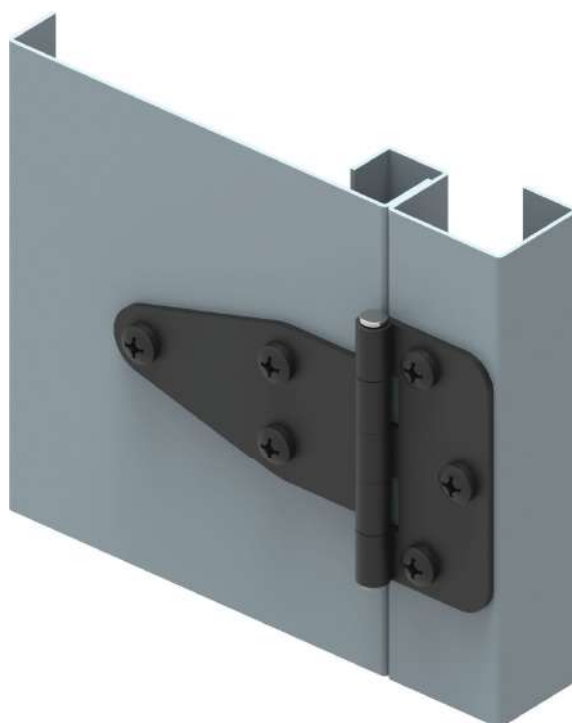
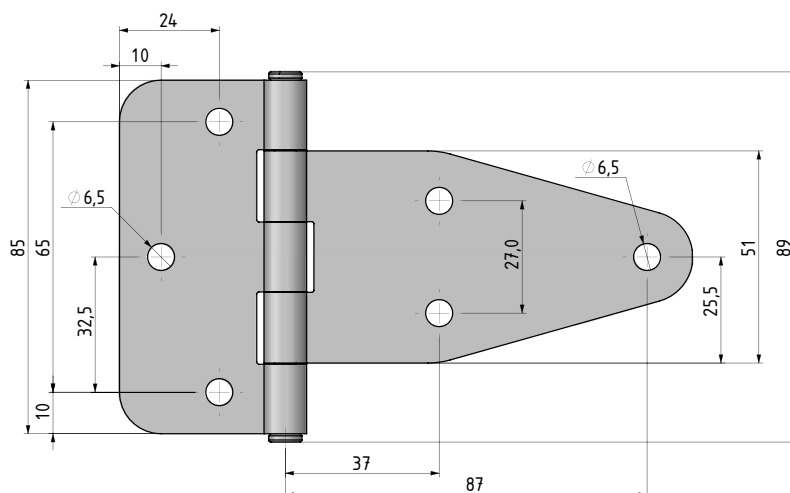
RoHS



- Stainless steel version: page 504
- Generally used for plain / flush-mounted, isolated heavy doors
- Both parts attached by screws or nuts and bolts
- Hinge-rotation angle 180°

MATERIAL

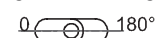
BODY: Steel
PIN: Stainless Steel



MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3
		Black coated	2

Group Code	Material	Finish
599	6	F

Hinge Rotation Angle



Note: Bolts are not supplied



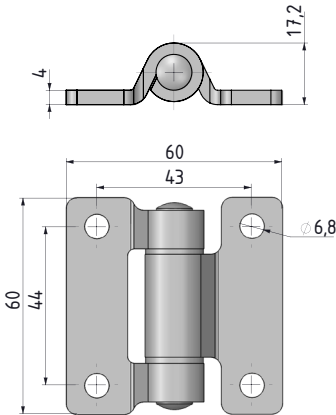
FLAT HINGES

LEAF HINGE

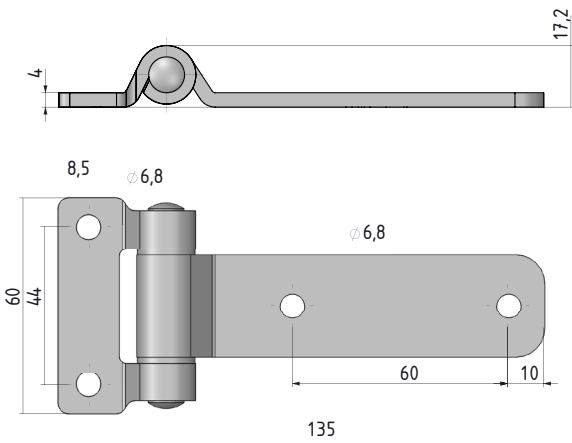
1599



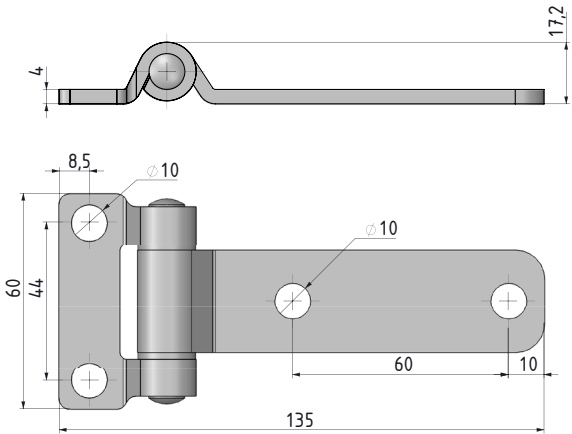
V: 1



V: 2



V: 3



Hinge Rotation Angle



MATERIAL	M	FINISH	F
Steel	1	Zinc plated	3
		Black coated	2

Group Code	Material	Finish	Version
1599	6	F	V



- Stainless steel version: page 506
- 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

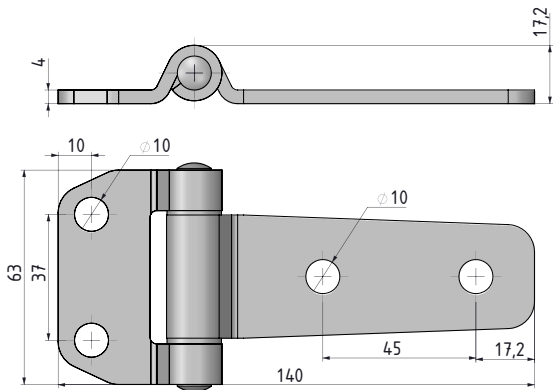
BODY: Steel
PIN: Stainless steel

FINISH

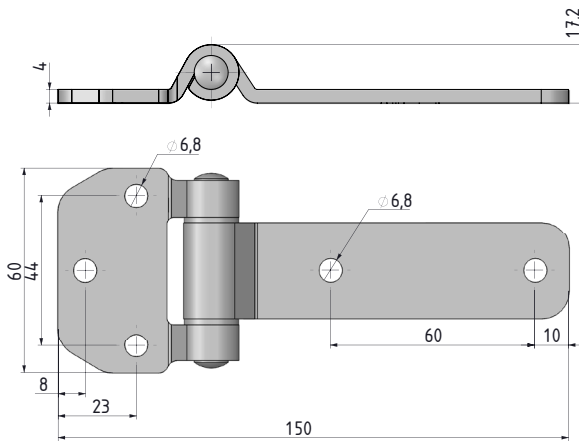
Zinc plated or black coated

1599 LEAF HINGE

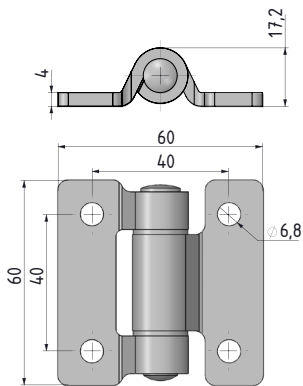
V: 4



V: 5



V: 6



- Stainless steel version: page 507
- 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: Steel
 PIN: Stainless steel

FINISH
 Zinc plated or black coated

MATERIAL	M	FINISH	F
Steel	1	Zinc plated	3
		Black coated	2

Group Code	Material	Finish	Version
1599	6	F	V

Hinge Rotation Angle

 180°

Note: Bolts are not supplied



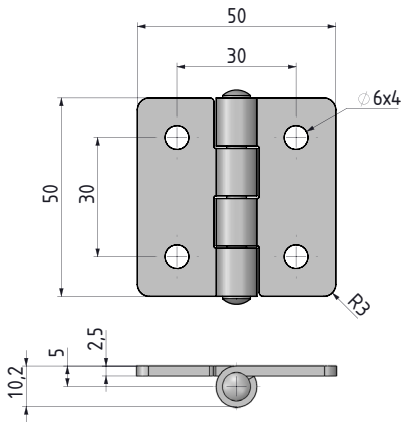
FLAT HINGES

LEAF HINGE

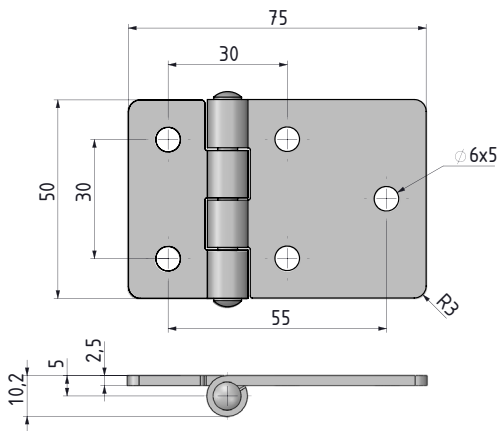
799



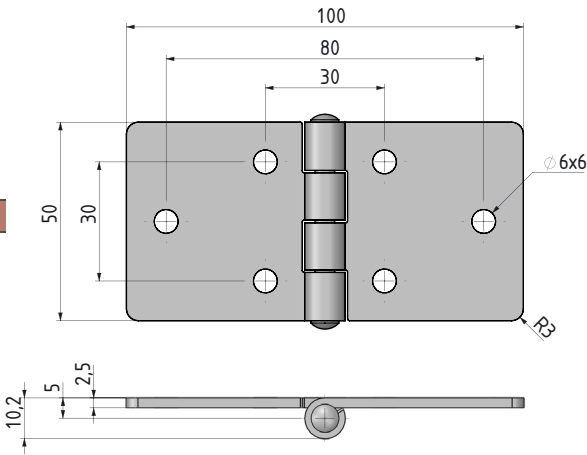
V: 1



V: 2



V: 3



- Stainless steel version: page 505
- Generally used for plain/flush-mounted, isolated, heavy doors

MATERIAL

BODY: Steel
PIN: Stainless Steel



Note: Bolts are not supplied

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Steel	1	Zinc plated	3
		Black coated	2

Group Code	Material	Finish	Version
799	6	F	V



2899

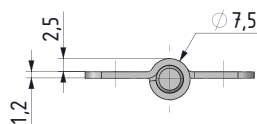
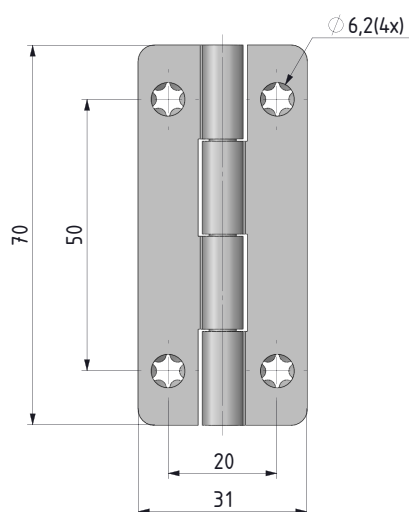
LEAF HINGE

RoHS



MATERIAL

BODY: Steel
PIN: Stainless Steel

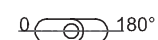


⚠ Note: Bolts are not supplied

MATERIAL	M	FINISH	F
Steel	1	Zinc plated	3
		Black coated	2

Group Code	Material	Finish
2899	6	F

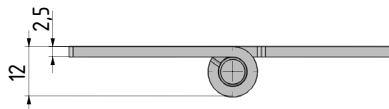
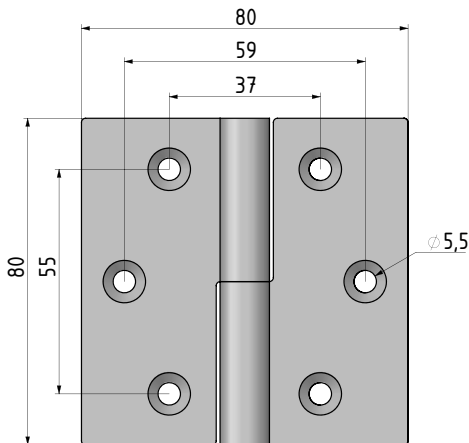
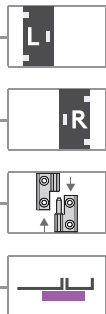
Hinge Rotation Angle





LIFT-OFF HINGE

4299



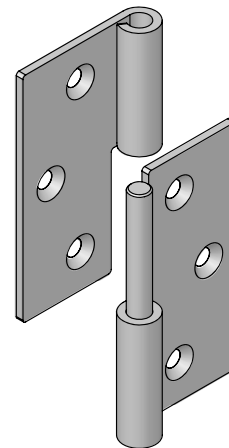
- Stainless steel version: page 494
- Designed for plain/flush-mounted doors
- Suitable for left- and right-hand applications

MATERIAL

BODY: Steel
PIN: Stainless Steel

FINISH

Zinc plated



Hinge Rotation Angle



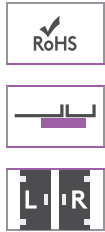
MATERIAL	M	FINISH	F
Steel	6	Zinc plated	3

DOOR DIRECTION	
Right hand	001
Left hand	002

Group Code	Material	Finish	Door Direction
4299	6	3	

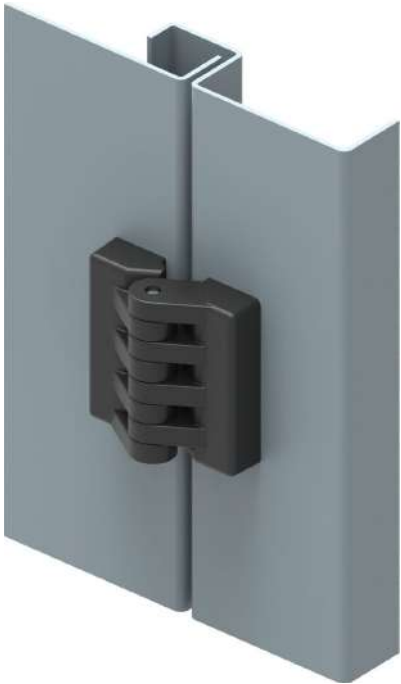
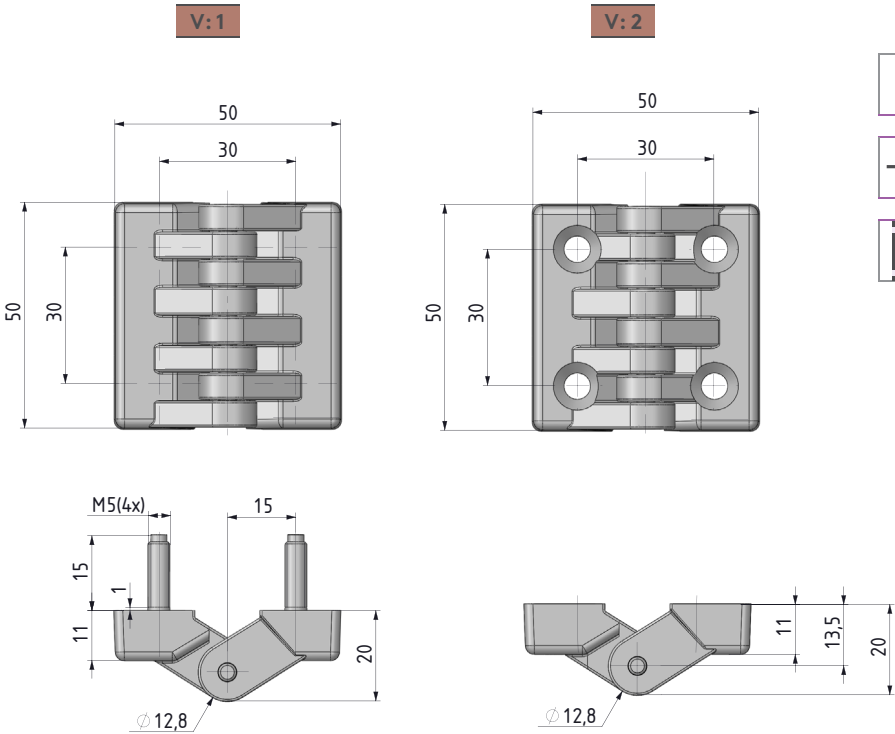
1199

LEAF HINGE



- Generally used for plain/flush-mounted doors
- With- or without-bolt options are available
- Stainless steel pin

MATERIAL
BODY: Polyamide DIN-EN ISO 1043-1 PA 6 GFR 30
PIN: Stainless Steel



MATERIAL	M	FINISH	F
Plastic	2	No finish	0

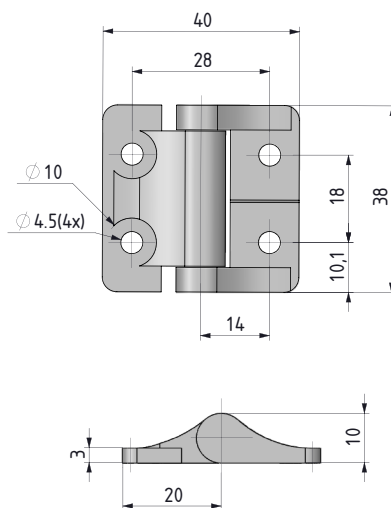
Group Code	Material	Finish	Version
1199	2	0	V

Hinge Rotation Angle
0° 180°

FLAT HINGES

TORQUE HINGE

2099



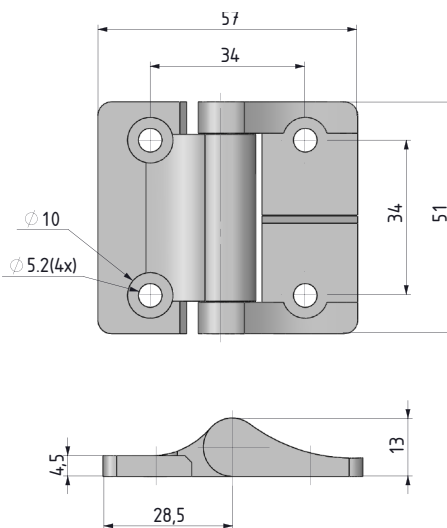
- 3.4Nm $\pm 20\%$ symmetric torque
- Over 25,000 cycle life within torque specification
- Suitable for left- and right-hand application
- M5 screw mounting

MATERIAL

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

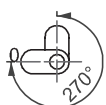
TORQUE HINGE

2199



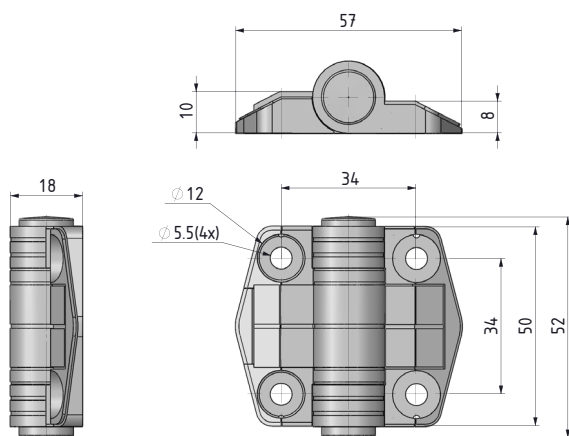
- 3.4 Nm symmetric torque
- Over 25,000 cycle life within torque specification
- Suitable left- and right-hand applications
- M5 screw mounting

Hinge Rotation Angle



MATERIAL	M	FINISH	F
Zamak	1	Black coated	2

Group Code	Material	Finish
	1	2



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

MATERIAL	M	FINISH	F
Plastic	2	No finish	0

Group Code	Material	Finish	Version
2599	2	0	V

2599

INDEX HINGE



- Different angle and torque is available
- Holds door open at specific degrees. 80°, 115°, 150°

MATERIAL

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

FLAT HINGES

ADJUSTABLE TORQUE HINGE

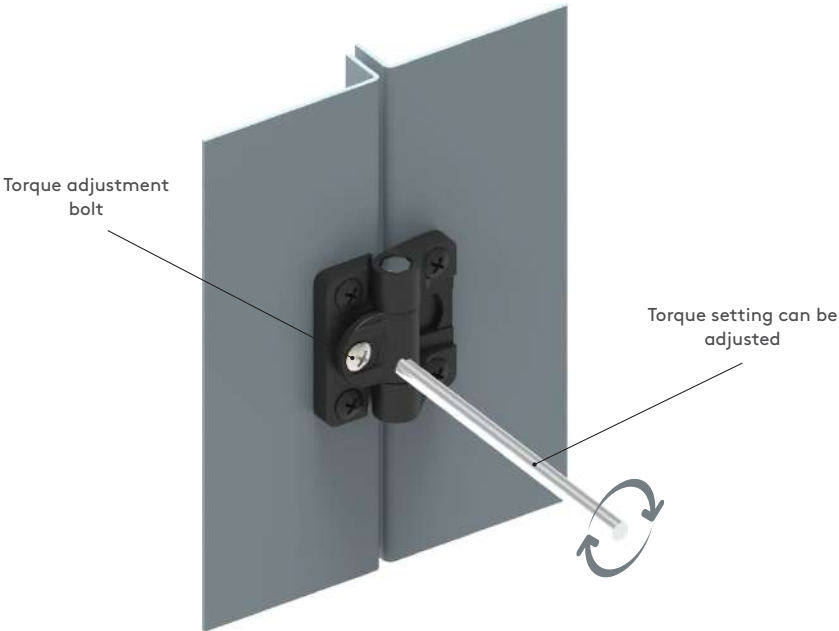
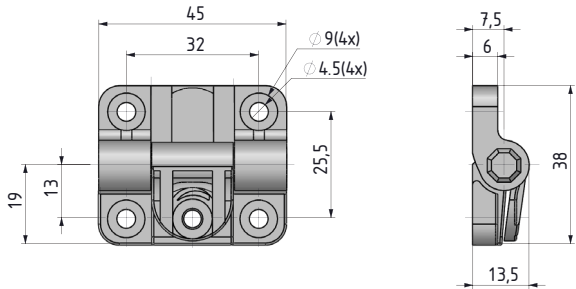
2399



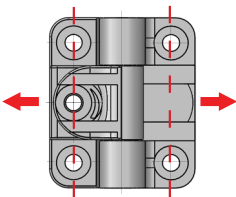
- Hinge torque can be adjusted with screw
- Provide position control
- Suitable for left- and right-hand applications
- Fixed with M4 screw

MATERIAL
 BODY: Delrin
 SCREWS AND NUTS: Stainless Steel (AISI 304)

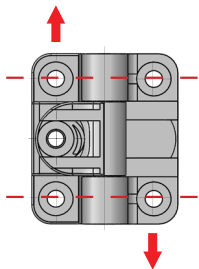
PERFORMANCE DETAILS
Axial load: (N)
 Working load: 700
 Breaking load weight: 1100
Radial load: (N)
 Working load: 1400
 Breaking load weight: 1800
Torque value: 0.8 N.m.
Working temperature:
 - 5°C + 65°C
Fasteners:
 (Bolts and nuts are not supplied)
 Screw and nut: M4



Axial load (N)



Radial load (N)



Hinge Rotation Angle
 0° - 180°

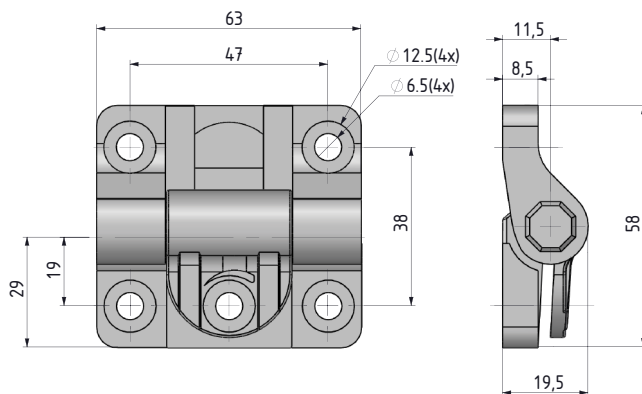
Note: Bolts are not supplied

MATERIAL	M	FINISH	F
Plastic	2	No finish	0

Group Code	Material	Finish
2399	2	0

2499

ADJUSTABLE TORQUE HINGE



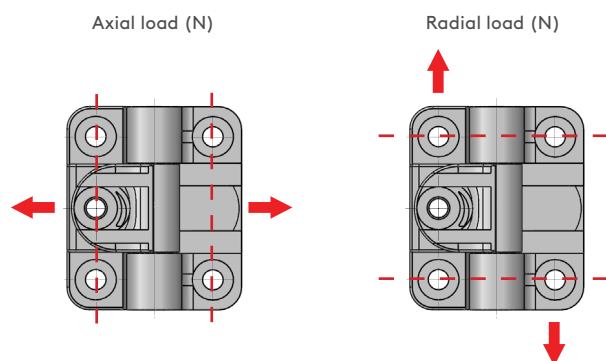
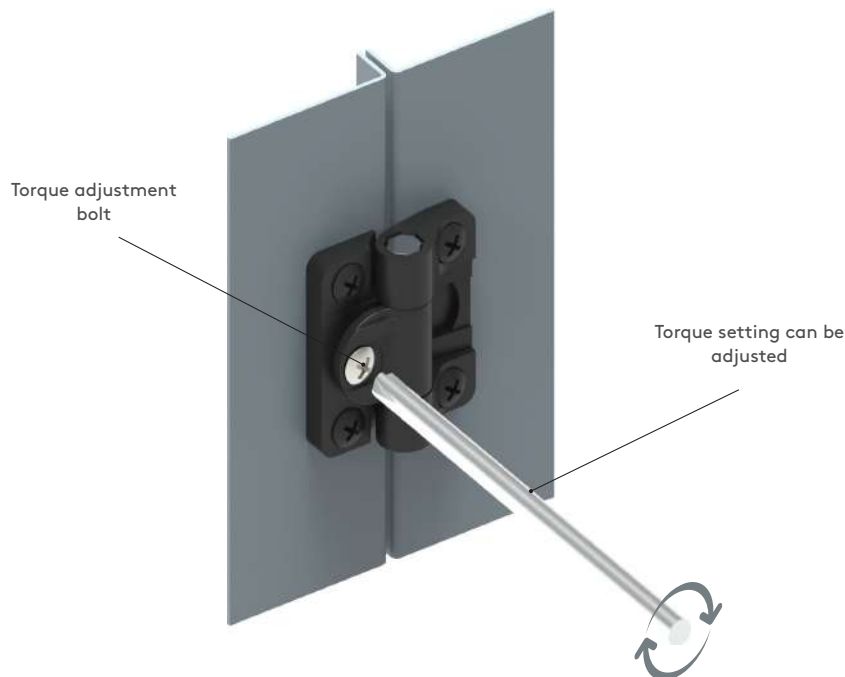
- Hinge torque can be adjusted by screw
- Provides position control
- Suitable for left- and right-hand applications
- Fixed by M6 screw

MATERIAL

BODY: Delrin
SCREWS AND NUTS: Stainless Steel (AISI 304)

PERFORMANCE DETAILS

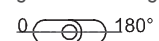
Axial load: (N)
Working load: 1500
Breaking load weight: 2350
Radial load: (N)
Working load: 2250
Breaking load weight: 3200
Torque value: 4 Nm
Working temperature: - 5°C + 65°C
Fasteners:
(Bolts and nut are not supplied)
Screw and nut: M6



MATERIAL	M	FINISH	F
Plastic	2	No finish	0

Group Code	Material	Finish
2499	2	0

Hinge Rotation Angle

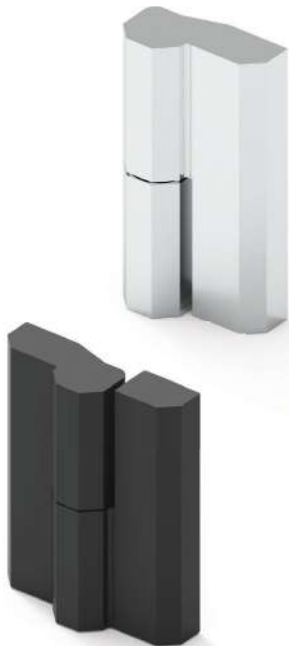




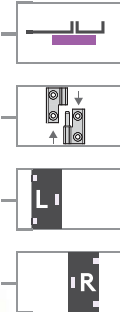
FLAT HINGES

LIFT-OFF HINGE

699



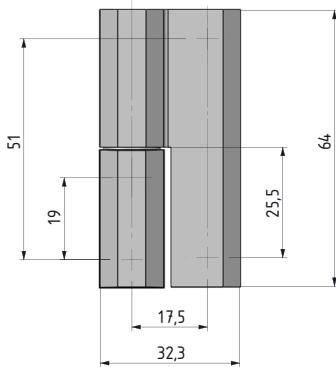
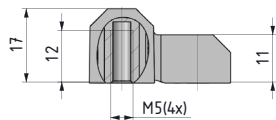
RoHS



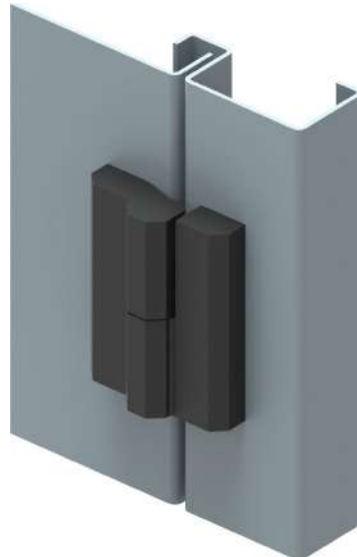
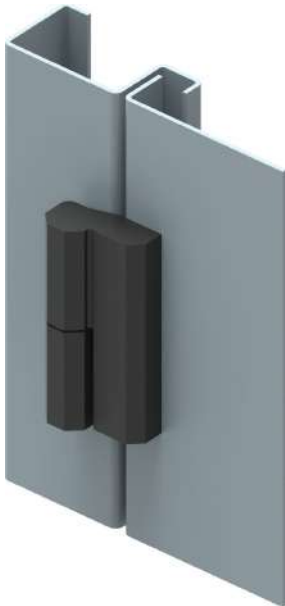
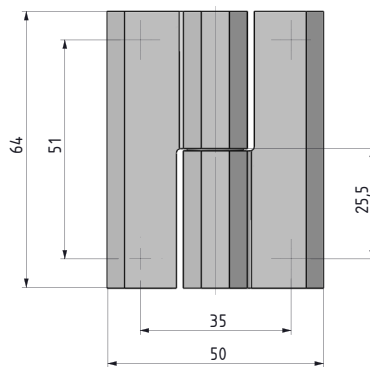
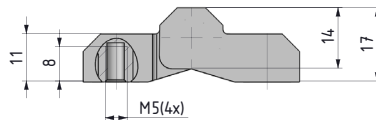
- Concealed mounting screws prevent external access to hinge
- Designed for plain/flush-mounted doors
- Suitable for left- and right-hand applications

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

V:1



V:2



Hinge Rotation Angle



MATERIAL	M	FINISH	F	DOOR DIRECTION	
Zamak	1	Chrome plated	1	Right hand	001
		Black coated	2	Left hand	002

Group Code	Material	Finish	Version	Door Direction
699	1	F	V	