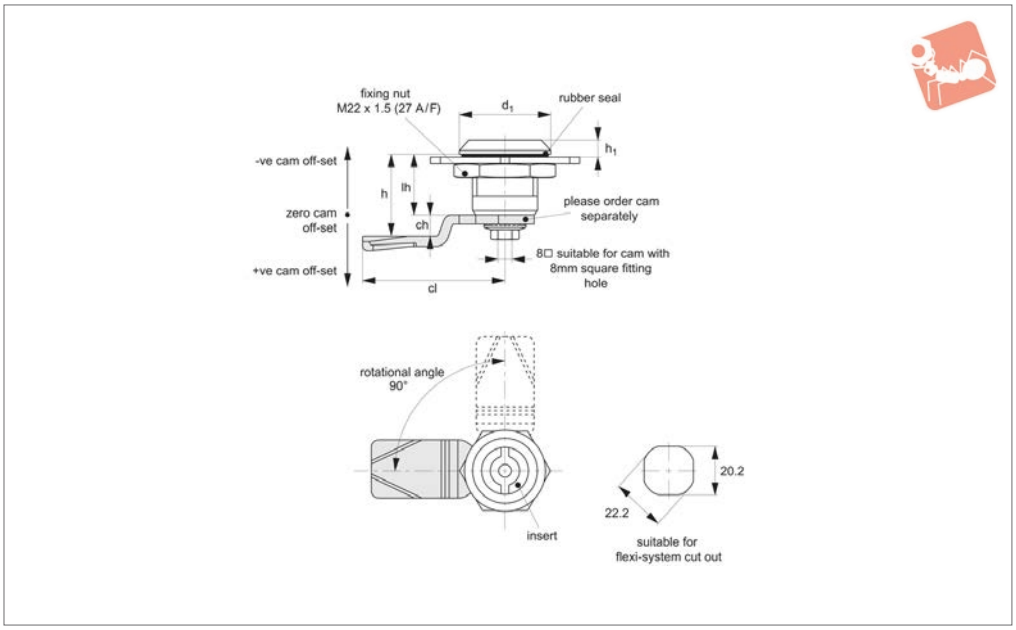
Cam Latches - Flexi-System

insert driver - fixed grip - zinc



A1003

Material

Body & insert: die cast zinc. Finished in chrome plate or black powder coating. Insert fitted with O'ring to achieve IP54 rating. Internal spring provides 1,5mm torsion.
Supplied with: Nut: steel, zinc plated. Sealing washer: PU and rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

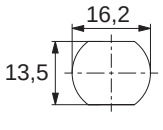
Important Notes

Extended body version - A1251.
Sold subject to pack quantity.

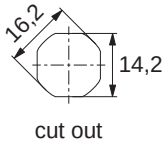
Order No.	Finish	Insert driver	d_1	h_1	lh
A1003.AW0010	Chrome Plated	Square 7	28	6	18
A1003.AW0310	Black Coated	Square 7	28	6	18
A1003.AW0020	Chrome Plated	Square 8	28	6	18
A1003.AW0320	Black Coated	Square 8	28	6	18
A1003.AW0040	Chrome Plated	Triangle 7	28	6	18
A1003.AW0340	Black Coated	Triangle 7	28	6	18
A1003.AW0050	Chrome Plated	Triangle 8	28	6	18
A1003.AW0350	Black Coated	Triangle 8	28	6	18
A1003.AW0060	Chrome Plated	3mm Double Bit	28	6	18
A1003.AW0360	Black Coated	3mm Double Bit	28	6	18
A1003.AW0070	Chrome Plated	4mm Double Bit	28	6	18
A1003.AW0370	Black Coated	4mm Double Bit	28	6	18
A1003.AW0080	Chrome Plated	Slotted (2x4)	28	6	18
A1003.AW0380	Black Coated	Slotted (2x4)	28	6	18

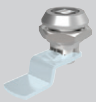
Wixroyd Cam and Compression Latches

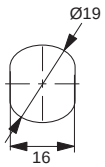
product selection charts



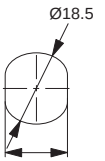
	Actuation Method			Body length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A1661 - Mini Compression Latch - Fixed Grip													
	✓			22,5	✓				✓			✓	54
Cams: A0234 - Keys: A0102													
A1667 - Mini Compression Latch - Wing Handle - Fixed Grip													
			✓	22,5	✓				✓			✓	54
Cams: A0234 - Keys: N/A													



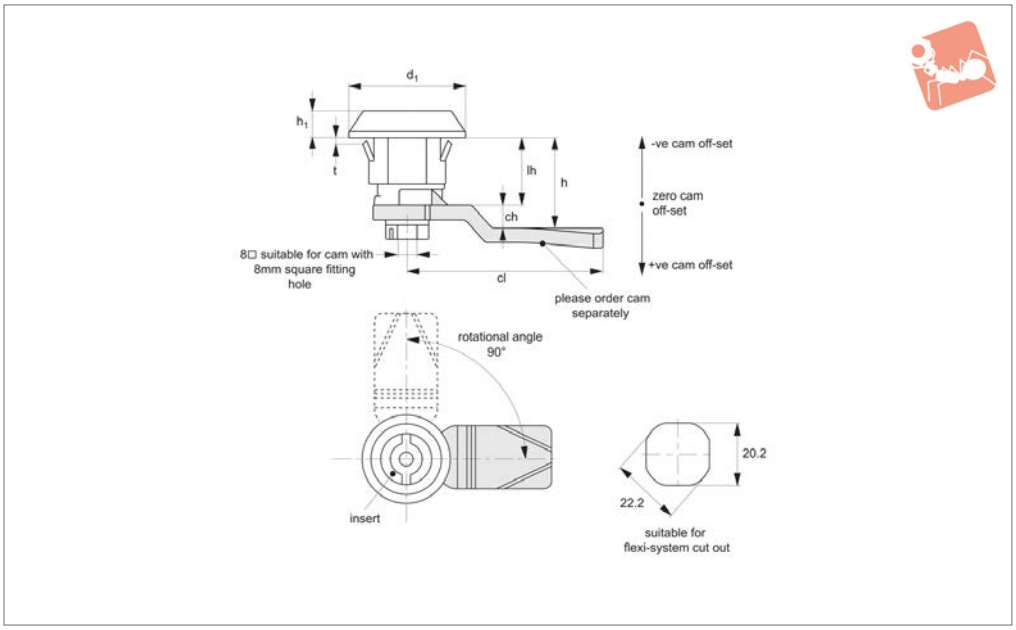
	Actuation Method			Body length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A1261 - Mini Cam Latch - Fixed Grip													
	✓			12,5	✓	✓		✓	✓	✓	✓		
Cams: A0261 - Keys: A0102													
A1281 - Mini Cam Latch - Wing Handle - Fixed Grip													
			✓	12,5	✓			✓	✓		✓		
Cams: A0261 - Keys: N/A													
A2390 - Mini Cam Lock - Wing Handle - Fixed Grip													
		✓		13	✓			✓	✓		✓		
Cams: A0261 - Keys: Supplied													



	Actuation Method			Body length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A2326 - Mini Cam Lock - Fixed Grip													
	✓			16,5	✓			✓				✓	
Cams: Supplied - Keys: Supplied													
A2328 - Mini Cam Lock - Fixed Grip													
	✓			15	✓				✓			✓	
Cams: N/A - Keys: Supplied													
A2330 - Mini Cam Lock - Fixed Grip													
	✓			11	✓			✓				✓	
Cams: Supplied - Keys: Supplied													
A2331 - Mini Cam Lock - Fixed Grip													
	✓			16	✓			✓				✓	
Cams: Supplied - Keys: Supplied													
A2342 - Mini Cam Lock - Fixed Grip - Radial Key													
	✓			13	✓			✓				✓	
Cams: Supplied - Keys: Supplied													
A2393 - Mini Cam Lock - Wing Handle - Fixed Grip													
	✓			11	✓			✓	✓			✓	
Cams: Supplied - Keys: Supplied													



	Actuation Method			Body length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A2333 - Mini Cam Lock - Fixed Grip													
	✓			Various	✓			✓				✓	
Cams: A0203, A0224, A0240 - Keys: Supplied													
A2340 - Mini Cam Lock - Fixed Grip													
	✓			15	✓				✓			✓	
Cams: Supplied - Keys: Supplied													
A2392 - Mini Cam Lock - Wing Handle - Fixed Grip													
	✓			24	✓			✓				✓	
Cams: A0203, A0224, A0240 - Keys: Supplied													



A1004

Material
Body: PA plastic.
Insert: Die cast zinc.
Supplied with: Nut: steel, zinc plated.
Sealing washer: PU and rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes
Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „with projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 0,8-1,5mm.
Keys: see A0102.

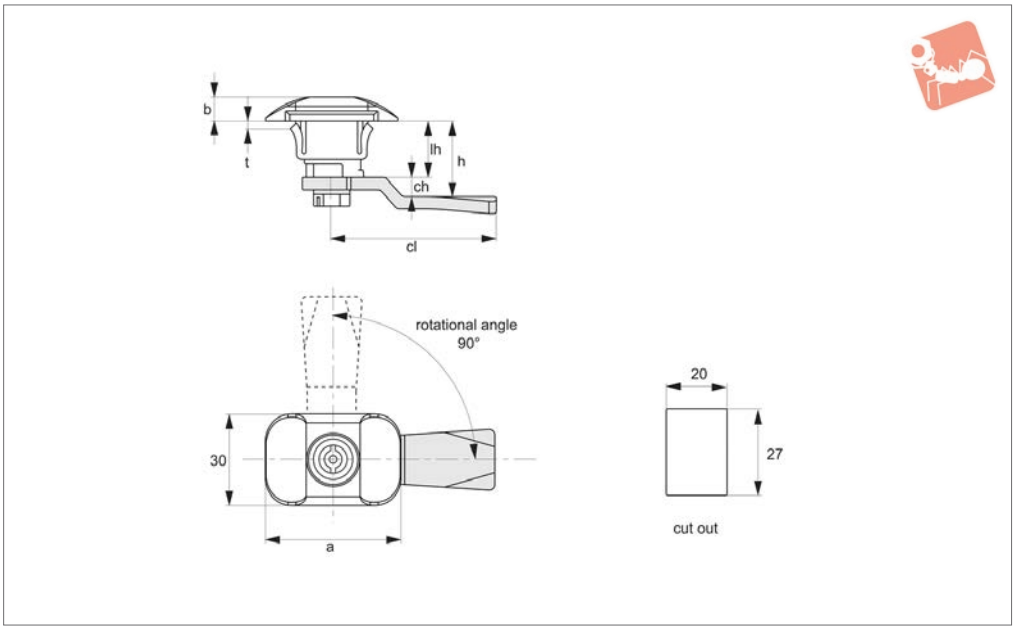
Tips
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Order No.	Insert driver	d_1	h_1	t	lh
A1004.AW0020	Square 8	Ø30	7.5	0,8-1,5	18
A1004.AW0075	5mm Double Bit	Ø30	7.5	0,8-1,5	18

Cam Latches - Snap on

sq8, 4mm DB

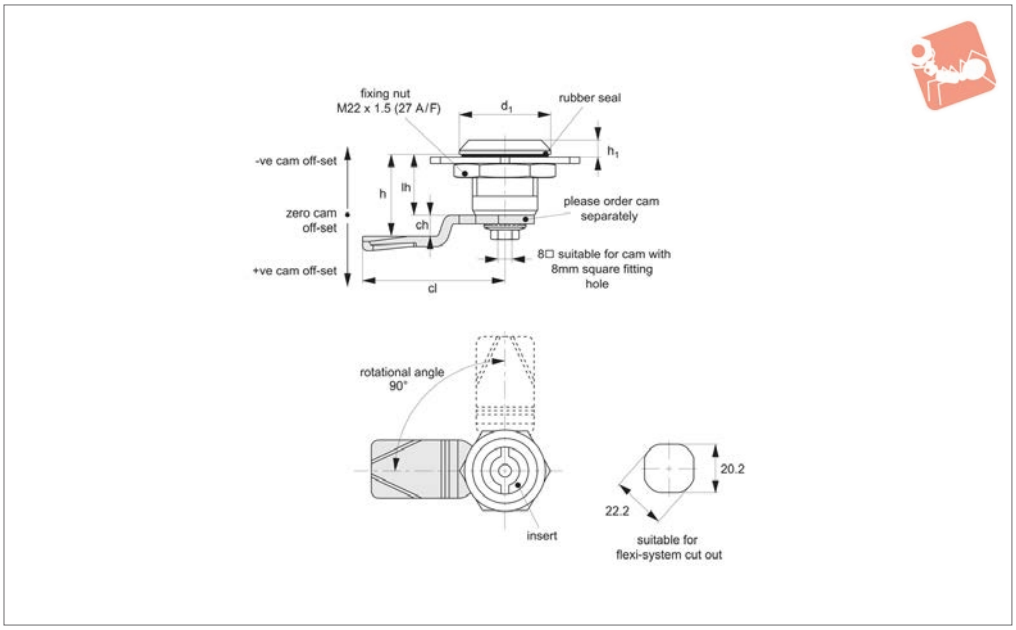
A1010



Material
Body: Black plastic (PA6).
Insert: Zinc.
Not supplied: Cam - order separately.

Technical Notes
Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „with projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 0,8-2mm.
Keys: see A0102.

Order No.	Insert driver	a	b	t	lh
A1010.AW0020	8mm Square	43	7.5	0,8-2	17.8
A1010.AW0070	5mm Double Bit	43	7.5	0,8-2	17.8



A1021

Material
Body: polyamide plastic, black.
Insert: zinc alloy, black coated. Fitted with O'ring to achieve IP54 rating. Internal spring provides 1,5mm torsion.
Supplied with: Nut: steel, zinc plated. Sealing washer: PU & Rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes
Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

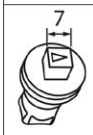
Important Notes
An inexpensive alternative to stainless steel, where water or other solutions may cause corrosion.
Sold subject to pack quantity.

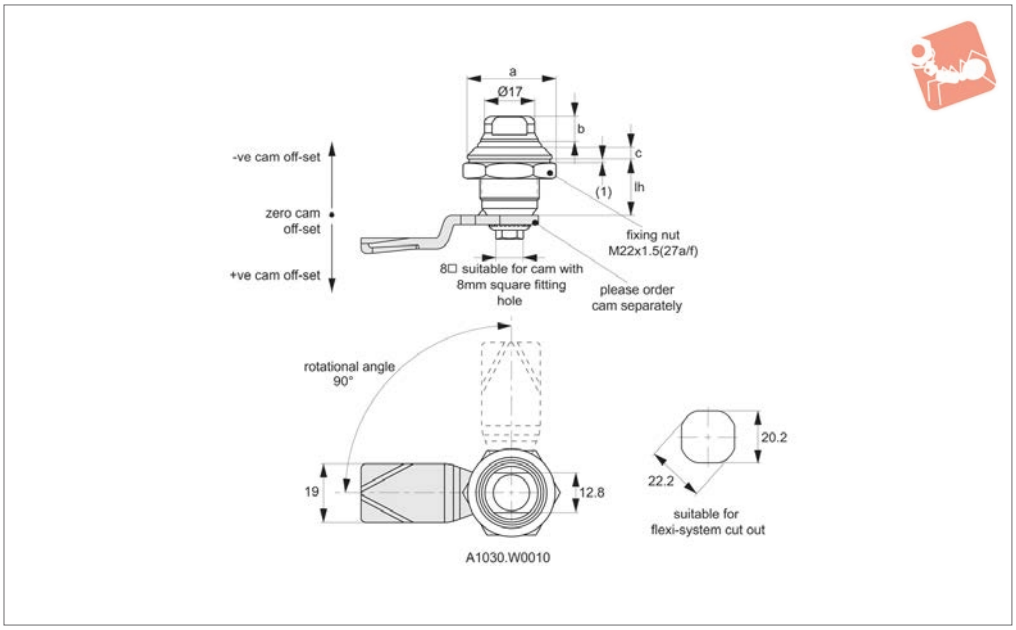
Order No.	Insert driver	d_1	h_1	lh
A1021.AW0010	Square 7	28	6	18
A1021.AW0020	Square 8	28	6	18
A1021.AW0040	Triangle 7	28	6	18
A1021.AW0050	Triangle 8	28	6	18
A1021.AW0060	3mm Double Bit	28	6	18
A1021.AW0070	4mm Double Bit	28	6	18
A1021.AW0080	Slotted (2x4)	28	6	18

Cam Latches - Flexi-System

insert driver - fixed grip - plastic

Available insert drivers:

Square 7	Square 8	Triangle 7	Triangle 8	3mm Double Bit	4mm Double Bit	2 x 4mm Slotted
						



A1030

Material

Body, inset and screw: stainless steel AISI 316.
Fitted with sealing gasket to achieve IP65 rating.
Sealing washer: silicone.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam key separately.

No need for key. Designed for use with spanner.
Cams: see suitable cam A0203 (steel), A0210 (stainless). Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.

h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

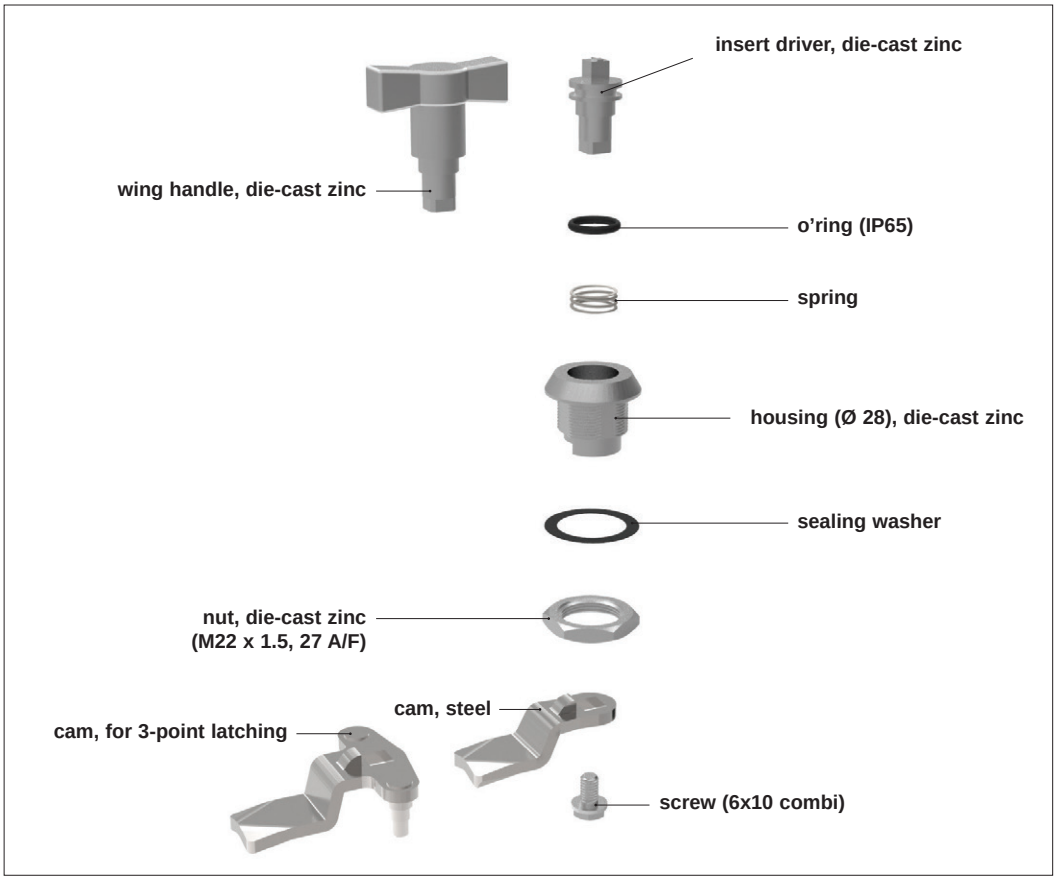
Order No.	Extruded driver	a	b	lh	c
A1030.AW0010	Stadium	28	8	18	4

Wixroyd Cam Latches

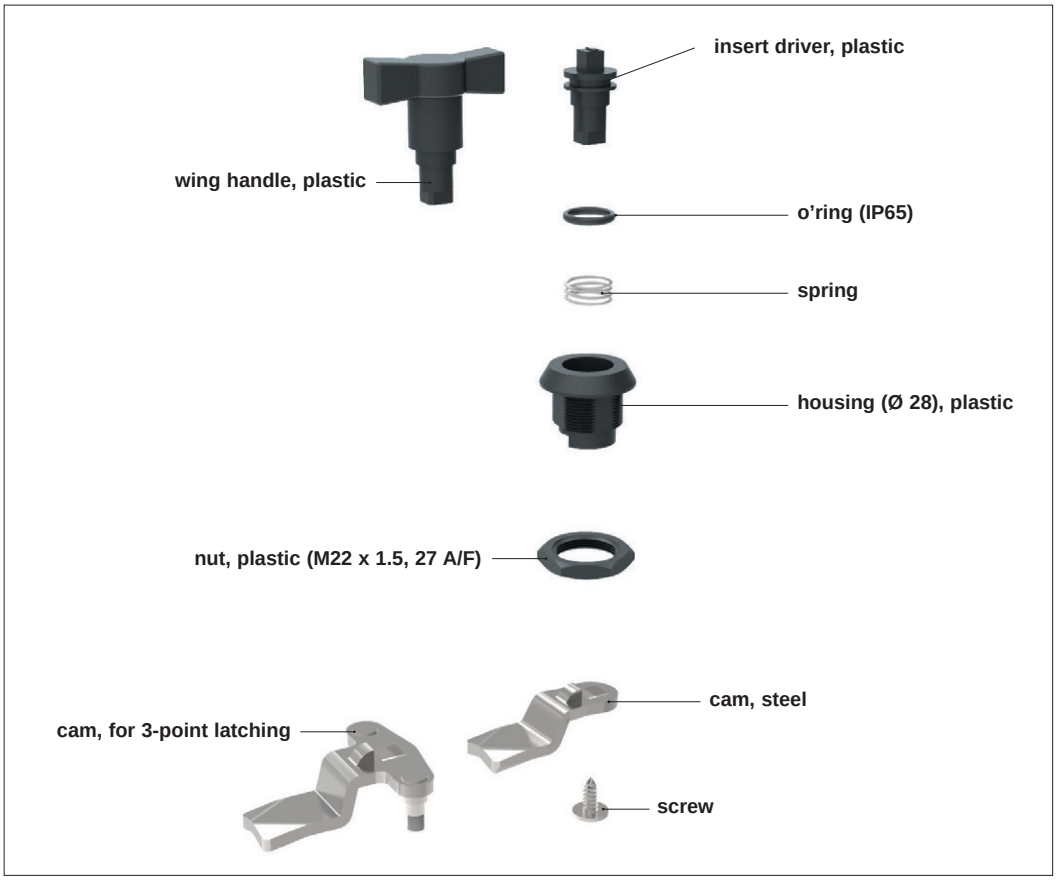
exploded view and assembly

Die-cast Zinc: A1003, A1181

(also A1103 in stainless steel).

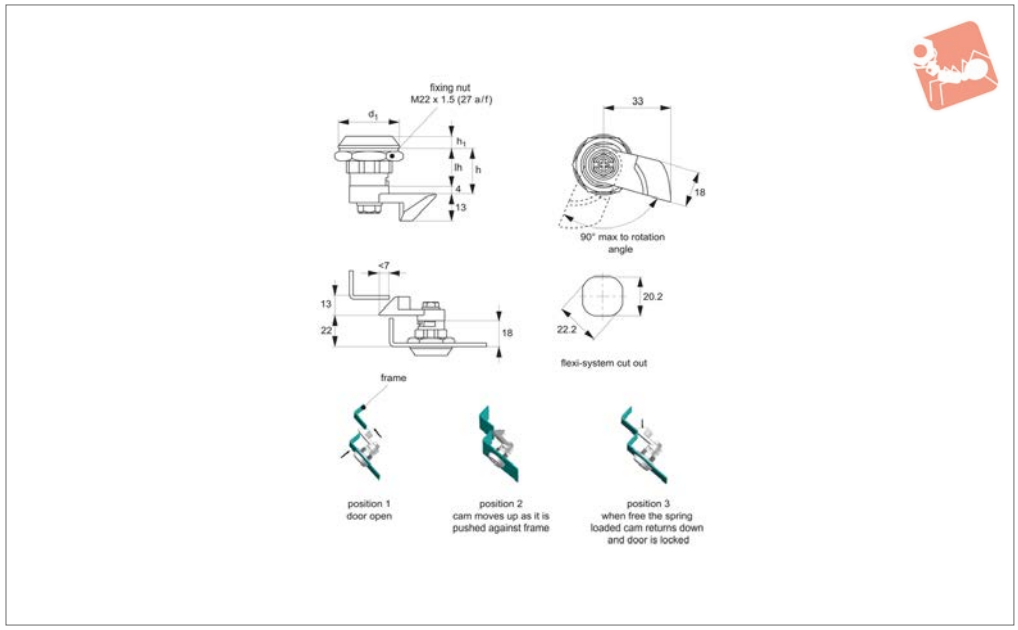


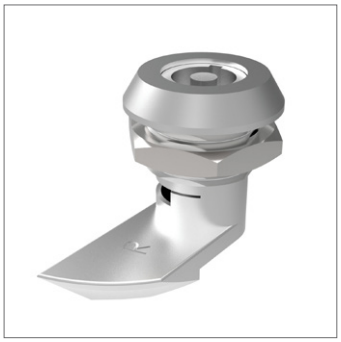
Plastic: A1021, A1181



Wixroyd AN ESSENTRA COMPANY

wixroyd.com





A1041

Material
Body & Insert: die cast zinc, bright chrome plated.
Supplied with: Cam: die cast zinc, bright chrome plated - fixed off-set of 4mm.
Not supplied: KEY - order separately.

Technical Notes
Order key separately.

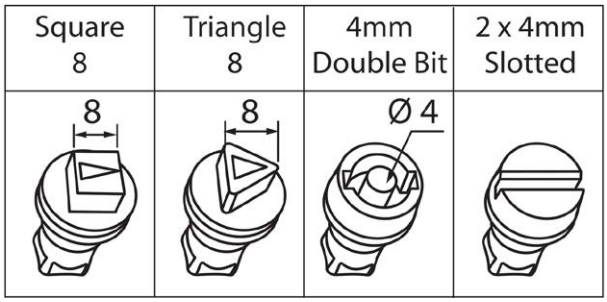
Keys: see A0102.

Tips
Spring loaded cam provides depress-to-lock action. See application drawings for operation. Quarter turn opening or closing. Right hand type for panel with hinges on right side, left hand type for panels with hinges on left side. Grip length of cam fixed at 22mm (lh + 4mm).

Important Notes
Sold subject to pack quantity.

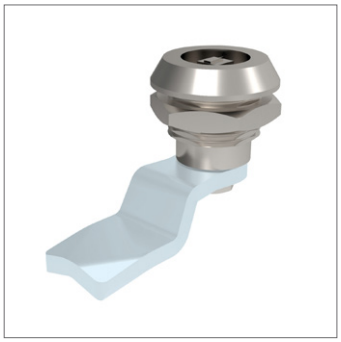
Order No.	Type	Insert driver	d_1	h_1	lh	h
A1041.AW0020	Right	Square 8	28	4	18	22
A1041.AW0050	Right	Triangle 8	28	4	18	22
A1041.AW0070	Right	4mm Double Bit	28	4	18	22
A1041.AW0080	Right	Slotted (2x4)	28	4	18	22
A1041.AW0520	Left	Square 8	28	4	18	22
A1041.AW0550	Left	Triangle 8	28	4	18	22
A1041.AW0570	Left	4mm Double Bit	28	4	18	22
A1041.AW0580	Left	Slotted (2x4)	28	4	18	22

Available insert drivers:

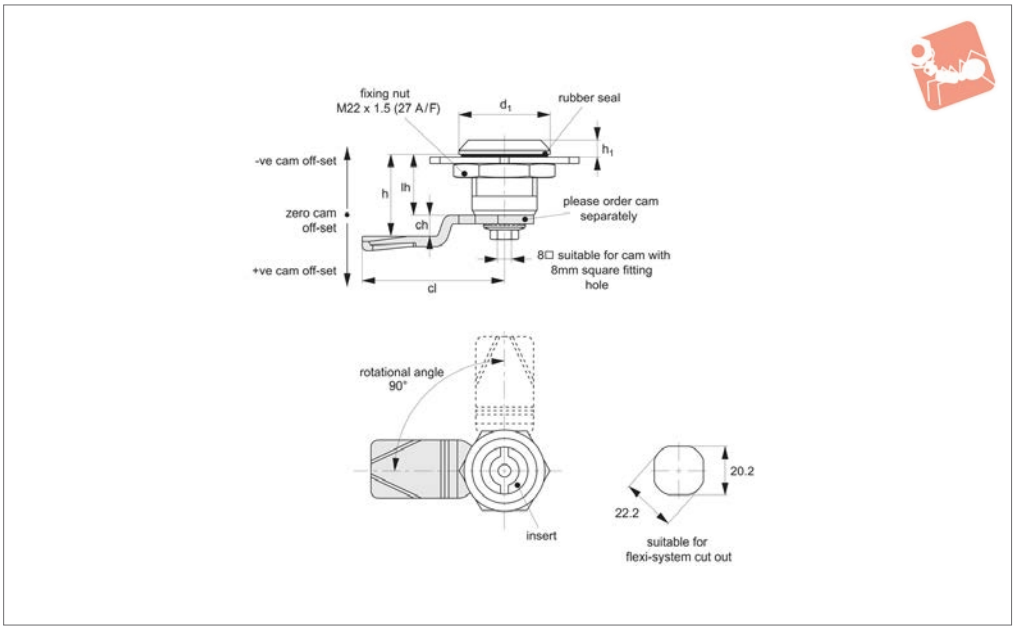


Cam Latches - Flexi-System

insert driver - fixed grip - stainless steel



A1103



Material

Body & Insert: stainless steel, AISI 304. Insert fitted with O'ring to achieve IP54 rating. Internal spring provides 1,5mm torsion.
Supplied with: Nut: stainless steel. Sealing washer: PU & Rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0210. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Insert driver	d_1	h_1	lh
A1103.AW0020	Square 8	28	6	18
A1103.AW0040	Triangle 7	28	6	18
A1103.AW0050	Triangle 8	28	6	18
A1103.AW0060	3mm Double Bit	28	6	18
A1103.AW0070	4mm Double Bit	28	6	18

Available insert drivers:

Square 8	Triangle 7	Triangle 8	3mm Double Bit	4mm Double Bit
				

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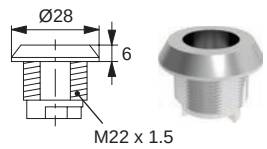
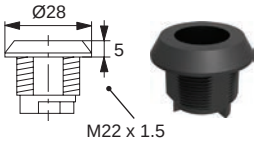
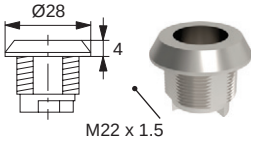


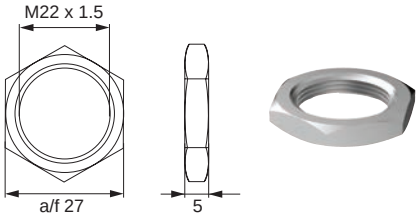
die cast zinc models
(Chrome or black coated)

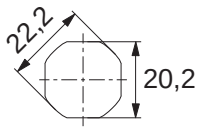


plastic/polyamide models



stainless steel models
(AISI 304)



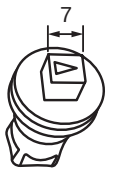
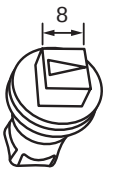


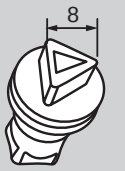
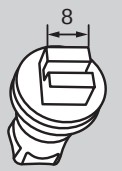
flexi-system cut out

Dimensions of our cam latch housings

Dimensions apply to our standard range of flexi-system cam latches.

Available insert drivers for flexi-system latches

3mm double bit	4mm double bit	6mm square	7mm square	8mm square
				
✓ ○●●	✓ ○●●	○	✓ ○●	✓ ○●●

7mm triangle	8mm triangle	9mm triangle	Slotted	Square 8mm with slot
				
✓ ○●●	✓ ○●●	✘ ○	✓ ○●	✘ ○

10mm hex	8mm hex	8mm hex security pin	13mm eastern european	Tubular
				
✘ ○	✘ ○	✘ ○	✘ ○	✘ ○

✓ Available as part of our standard range

✘ Available subject to a minimum order quantity

Available materials

Die Cast Zinc Models
(Chrome or black coated)

Plastic/Polyamide Models

Stainless Steel Models
(AISI 304)

Flexi-System

at the core of all your cam latch requirements

All our cam latches use a standard cut out dimension of 22,2 Ø and 20,2 square which accomodates many industry standards. Flexi-System parts are fully interchangeable, providing a completely flexible hardware system including two or three point latching systems.

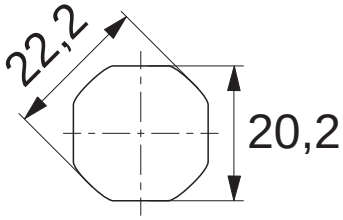
Flexi-system

insert driver cam latches

padlockable cam latches

wing handle cam latches

extended grip cam latches



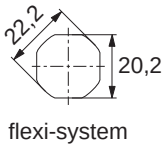
flexi-system cut out

cam locks

t-handle locks

l-handle locks

compression latches



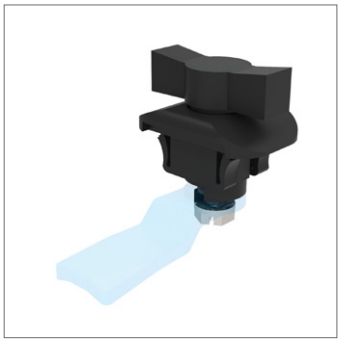
flexi-system cut out

	Actuation Method			Body Length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A1003 - Cam Latch - Fixed Grip													
	✓			18	✓			✓	✓			✓	54
Cams: A0203, A0224, A0240 - Keys: A0102													
A1021 - Cam Latch - Fixed Grip													
	✓			18		✓				✓		✓	54
Cams: A0203, A0224, A0240 - Keys: A0102													
A1041 - Cam Latch - Push-to-Close - Fixed Grip													
	✓			18	✓			✓					
Cams: Supplied - Keys: A0102													
A1103 - Cam Latch - Fixed Grip													
	✓			18		✓				✓		✓	54
Cams: A0210 - Keys: A0102													
A1161 - Cam Latch - Padlockable - Fixed Grip													
			✓	18	✓			✓	✓			✓	
Cams: A0203, A0224, A0240 - Keys: Padlockable													
A1168 - Cam Latch - Dust Proof Cap - Fixed Grip													
	✓			18	✓			✓				✓	54
Cams: A0203, A0224, A0240 - Keys: A0102													
A1181 - Cam Latch - Wing Handle - Fixed Grip													
			✓	18,5	✓	✓		✓	✓	✓		✓	
Cams: A0203, A0224, A0240 - Keys: N/A													

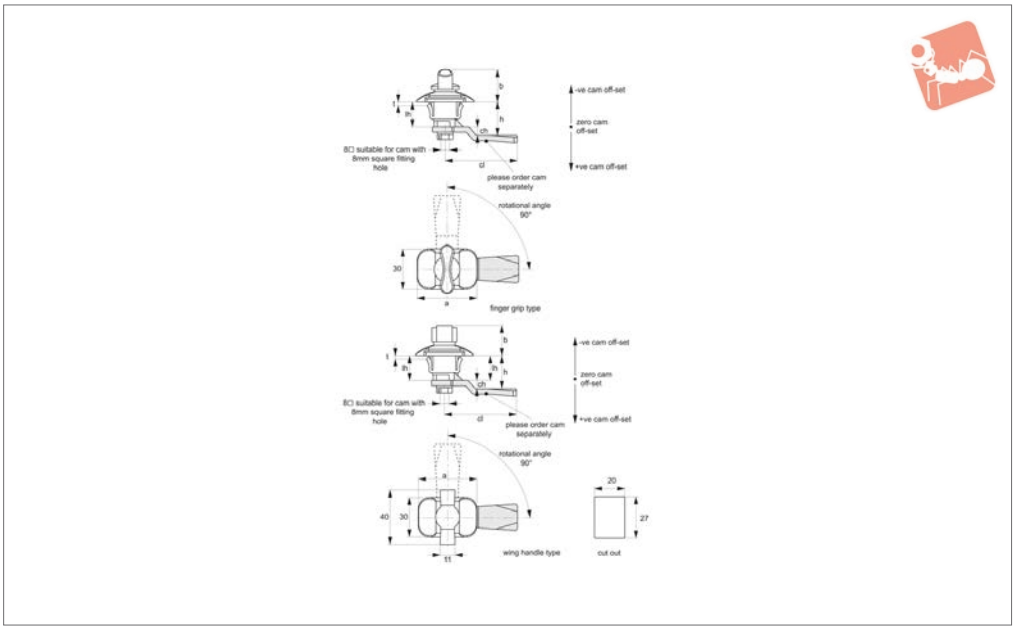
	Actuation Method			Body Length (mm)	Body			Finishes			Cam Type		IP Rating
	Insert Driver	Cylinder Lock	Manual/Grip		Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Chrome Plated	Black Coated	Natural	With Projection	W/O Projection	
A1203 - Cam Latch - Finger Handle - Fixed Grip													
	✓			Various	✓				✓	✓		✓	
Cams: A0203, A0224, A0240 - Keys: N/A													
A1210 - Cam Latch - Tamper Evident													
	✓			20	✓			✓				✓	
Cams: A0203, A0224, A0240 - Keys: N/A													
A1241 - Cam Latch - Stepped Grip													
	✓			Various	✓			✓					65
Cams: Supplied - Keys: A0102													
A1251 - Cam Latch - Fixed Extended Body													
	✓			Various	✓			✓				✓	54
Cams: A0203, A0224, A0240 - Keys: A0102													
A1580 - Compression Latch - Fixed Grip													
	✓			18	✓			✓					
Cams: N/A - Keys: A0102													
A1601 - Compression Latch - Fixed Grip													
	✓			31	✓			✓	✓			✓	54
Cams: A0203, A0224 - Keys: A0102													
A1603 - Compression Latch - Fixed Grip													
	✓			38		✓			✓			✓	54
Cams: A0231, A0233 - Keys: A0102													

Panel Latches - Snap in

Fixed grip, wing handle, finger grip



A1185



Material

Body and Handle: Black plastic (PA6).
Not supplied: Cam - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „with projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 0,8-2mm
Keys: see A0102.

Tips

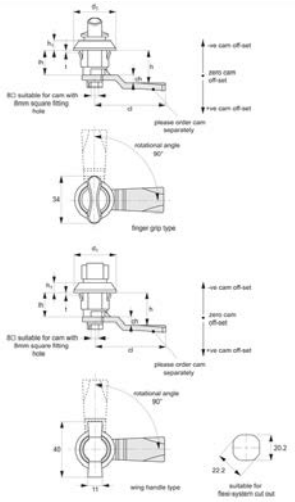
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Wing handle enables easy actuation without the need for a key.

Order No.	Handle	a	b	t	lh
A1185.AW0010	Wing Handle	43	22.5	0,8-2	18.5
A1185.AW0020	Finger Grip	43	24	0,8-2	18.5

Cam Latches - Snap in - Flexi-System

Wing handle, fixed grip, zinc



A1195

Material

Body and Handle: Black plastic (PA6).
Not supplied: Cam - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „with projection" cam type. Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 0,8-1.5mm
Keys: see A0102.

Tips

Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Wing handle enables easy actuation without the need for a key.

Order No.	Handle	d_1	h_1	t	lh
A1195.AW0010	Finger Grip	Ø30	7.5	0,8-1,5	18
A1195.AW0020	Wing Handle	Ø30	7.5	0,8-1,5	18

Selecting the Correct Cam Latch or Lock

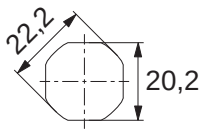
When selecting a Wixroyd Cam Latch for your application, you need to answer these questions:

1. Which installation cut out?
2. Which body style?
3. Which locking key?
4. Which accessories?
5. Which cam type and size?

Step 1: Which installation cut out?

Cut out

All our Flexi-System cam latches use a standard installation cut out 22,2 dia, 20,2 square, for maximum flexibility. We also provide a number of alternative cut out dimensions for legacy/historical installations.



flexi-system cut out

Step 2: Which body style?

Material and finish

Select from our variety of die cast zinc, polyamide plastic and stainless versions.

Die-cast zinc chrome plate

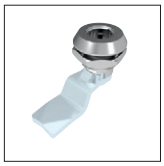
Die-cast zinc black coated

Polyamide black

Stainless steel

Actuation and locking method

Standard insert driver type, cylinder lock or wing handle type.



Insert driver

Cylinder lock

Wing handle

Number of latching points in application

Typically single point latching is required, but the Wixroyd Flexi-System also provides multi-point latching (typically 3 point - at lock point, top and bottom of cabinet).

Single point

Two point

Multi-point

Step 3: Which locking key?

Standard insert driver keys

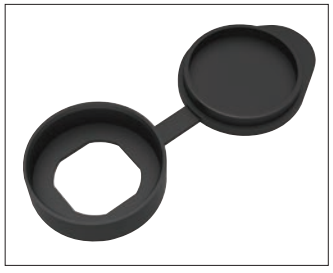
Our range of insert driver cam latches require a simple key to actuate. Refer to part A0102 and A0103 for correct keys.

Cylinder locking

Our cam locks with cylinder locks are supplied with two keys per lock. Available as keyed alike or keyed to differ locks.

Step 4: Which accessories?

- Multi-point latching: use our rod set A0303 to A0325 for suitable rods and rod guides.
- Finger pulls: easily installed with any of our flexi-system cam bodies, finger pull no. A0352 is a simple, cost effective handle for your cabinets.
- Dust Cap: to reduce material ingress.



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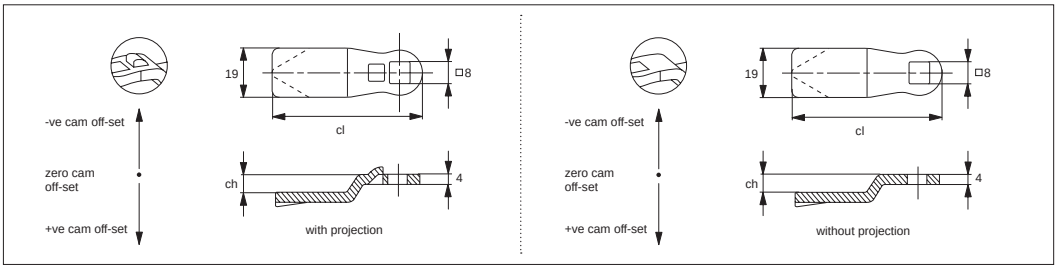
With or without "Projection"

Different cam bodies require cams either with or without projection.



With projection cams prevent turning of the cam over 45°, but is not suited to all cam bodies. For correct projection type please see individual cam body technical pages.

Number of Latching Points

Single point cams are suitable where just single point latching is required. Multi-point cams are for applications requiring 2 or 3 latching points.

Step 5: Which cam type and size?

Wixroyd cams are available in a number of different materials; zinc plated steel, stainless steel (AISI 304) and black plastic.

Cam off-set (dimension ch)

To ensure your cam fully and correctly engages with the frame of your door the correct cam off-set must be selected. A cam off-set can be either negative (-ve) or positive (+ve).

Cam length (dimension cl)

This impacts the reach of the cam to door frame and hence impacts positioning of cam body for installation. Cam length is measured from the centre of the cam fixing hole to the cam's leading edge. Most typically cams are 45 mm in length.

Calculation of correct cam off-set

This is the most important aspect of the selection process.

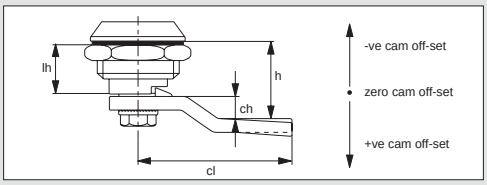
Use formula to calculate ch (required cam off-set), and refer to the cam selction chart.

ch = h - lh where;

ch = the required cam off-set/height

h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see example below)



Example of calculation of correct cam off-set

Example one

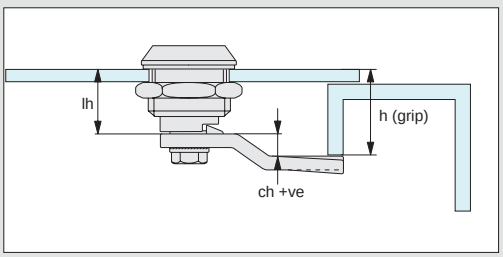
Cam body A1003.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

Known application information: h = 26 lh = 18

Therefore; ch = 26 - 18 = +8

Cam off set of +8 is required

Using the data tables for cams A0203, A0210, and A0240 we can select the following cams without projection with an off set of + 8; A0203.AW5408 (steel), A0210.AW0428 (stainless) or A0240.AW0108 (three point cam).



Example two

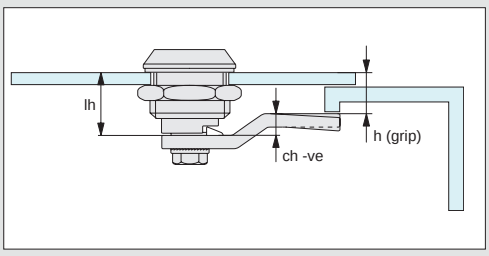
Cam body A1003.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

Known application information: h = 14 lh = 18

Therefore; ch = 14 - 18 = - 4

The required cam off set is negative, - 4 as the application's door frame is effectively shorter/lower than the length of the cam body

Using the data tables for cams A0203, A0210 and A0240 we can select the following cam without projection with an off set of - 4; A0203. AW6404 (steel).



Wixroyd Cam Latches, Locks and Swing Handles
cam selection chart

Suitable With Projection Cams

Compatible cam no.	A0261	A0203	A0210	A0240
Cam fitting hole	6 x 6 square 6□	8 x 8 square 8□	8 x 8 square 8□	8 x 8 square 8□
Cam latch / lock no.	A1261 / A1281 / A2390	A2503 / A2504 A2523 / A2528	A2503 / A2504 A2523 / A2528	A2503 / A2504 A2523 / A2528

Suitable Without Projection Cams Table 1

Compatible cam no.	A0203	A0210	A0240	A0243
Cam fitting hole	8 x 8 square 8□	8 x 8 square 8□	8 x 8 square 8□	8 x 8 square 8□
Cam latch / lock no.	A1003 / A1021 / A1103 A1161 / A1168 / A1181 A1203 / A1210 / A1251 A1601 / A1620 / A1801 A2001 / A2203 / A2326 A2333 / A2392 / A2526 A4221 / A4241 / A4260 B1082 / B1086 / B1088 B1091 / B1092 / B1180 B1281 / B1285 / B1380 B1450 / B2091 / B2181	A1003 / A1021 / A1103 A1161 / A1168 / A1181 A1203 / A1210 / A1251 A1601 / A1620 / A1801 A2001 / A2203 / A2326 A2333 / A2392 / A2526 A4221 / A4241 / A4260 B1082 / B1086 / B1088 B1091 / B1092 / B1180 B1281 / B1285 / B1380 B1450 / B2091 / B2181	A1003 / A1021 / A1103 A1161 / A1168 / A1181 A1203 / A1210 / A1251 A1601 / A1620 / A1801 A2001 / A2203 / A2326 A2333 / A2392 / A2526 A4221 / A4241 / A4260 B1082 / B1086 / B1088 B1091 / B1092 / B1180 B1281 / B1285 / B1380 B1450 / B2091 / B2181	A1003 / A1021 / A1103 A1161 / A1168 / A1181 A1203 / A1210 / A1251 A1601 / A1620 / A1801 A2001 / A2203 / A2326 A2333 / A2392 / A2526 A4221 / A4241 / A4260 B1082 / B1086 / B1088 B1091 / B1092 / B1180 B1281 / B1285 / B1380 B1450 / B2091 / B2181

Suitable Without Projection Cams Table 2

Compatible cam no.	A0250	A0234	A0215	A0231	A0233
Cam fitting hole	5 x 5 square 5□	6,3 dia. x 4,9 4,9 Ø6,3	7 x 7 square 7□	8 x 10 dia. 8 Ø10	8 x 10 dia. 8 Ø10
Cam latch / lock no.	A4600 / A4620	A1661 / A1667	B2082 / B2084 / B2086 B2088 / B2285 / B2380	A1603 / A1611 A1630 / A1810	A1603 / A1611 A1630 / A1810

Calculation of correct cam off-set

Cam off-set

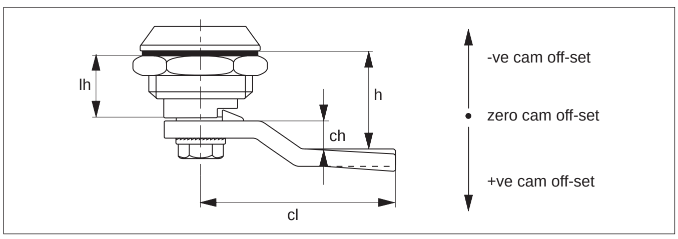
Use the formula to calculate your correct cam off-set:

ch = h - lh

ch = the required cam off-set.

h = distance between inside of lock face and front of cam (also referred to as "grip length").

lh = length of cam body to be used (refer to individual cam body data sheets).

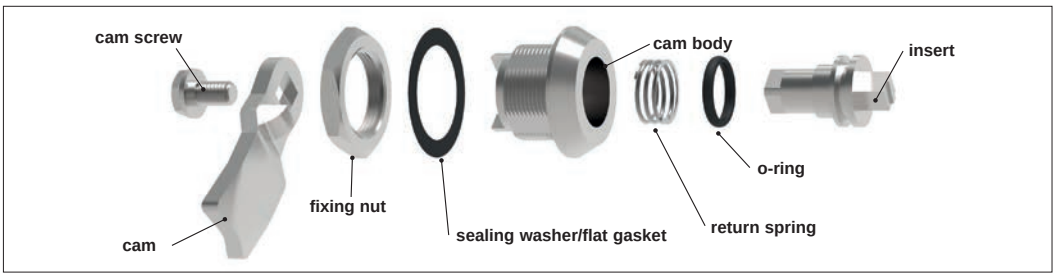


Cam Off-Set (dimension ch)

To ensure your cam fully and correctly engages with the frame of your door the correct cam off-set must be selected. A cam off-set can be either negative (-ve) or positive (+ve).

Cam Length (dimension cl)

Impacts reach of the cam to door frame and hence impacts positioning of cam body for installation. Cam length or reach is measured from the centre of the cam fixing hole to the cam's leading edge. Refer to individual cam body datasheets.



Materials

Physical and chemical characteristics of polyamide	
Physical condition	solid (at 20°C)
Density	> 1,0 g/cm3
Yield Point	220°C
Smell	No particular smell
Dissolvability in water	Undissolvable
Segregation temperature	> 350°C
Fire Point	>390°C
Auto ignition temperature	> 400°C

RoHS Compliance

Our Cam Latches are RoHS Compliant.

RoHS COMPLIANT

Zinc

Zinc Alloy is the most fundamental material for the Wixroyd product range. Housings, inserts, handles, spacers, keys, hinges etc, are all die cast products. The zinc used is a zinc alloy with the following contents (except zinc): Al 4,03% Cu 0,83% as well as minor contents of Mg, Fe, Pb, Cd, Sn and Ni.

Plastic - Polyamide

Many of our products are made of injection moulded plastic, normally polyamide. When needed, we add fibreglass to the material, in order to optimise
qualities of the product. Examples of products made out of polyamide: handles, housings, rod guides etc.

Degrees of sealing protection

A product classified to an IP rating has either been tested in an independent laboratory, or due to the resemblance of its structure to a tested product, classified as IP.

Important note: We can only guarantee our products correspond to the indicated classification when assembled and used correctly.

IP ratings

IP65 RATED

IP 65: Dust Tight and Jetting Secure. Through the application of an o-ring and a flat gasket, this higher classification can be achieved.

IP54 RATED

IP 54: Dust and Splash Protected. This is the standard classification for our products. Equivalent to NEMA3.

Flat gaskets/ Sealing Washer

Character	Value	Standard
Density	1,35 g/cm3	DIN 53479
Hardness	65 Shore A	DIN 53505
Breaking Strain	5 N/mm2	DIN 53504
Expansion	200%	DIN 53504
Heat & cold resistance	max. 70°C, min. -35°C	

Through the application of a flat gasket between the lock and the door, class IP 65 or NEMA 4 is achieved.

Pressure deformation test			
Time/temp.	Type of test	Standard	Result
22h/100°C	DVR	DIN 53517 A	9%
70h/100°C	DVR	DIN 53517 A	12%

The flat gasket is made out of a mixture of NBR (Nitrile Rubber) and SBR (Styrolbutadiene Rubber). This gives the gasket a satisfactory chemical resistance and a good constancy to oil.

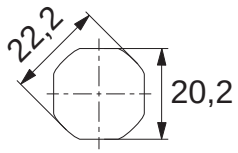
O Rings

Character	Value	Standard
Density	1,240 g/cm3	DIN 53479
Hardness	71 Shore A	DIN 53505
Breaking strain	14 N/mm2	DIN 53504
Expansion	280%	DIN 53504
Recoil elasticity	32%	DIN 53512
Heat & cold resistance	max. 120°C, min. -40°C	

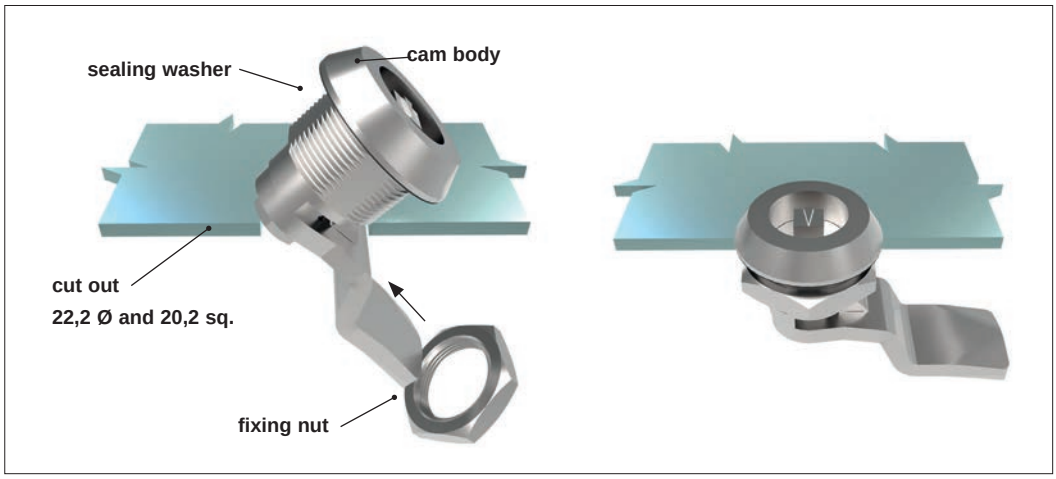
For all O-rings, an NBR material with the following technical characteristics is used.

Flexi-system cut out

Our flexi-system is based on a standard installation cut out 22,2 Ø and 20,2 sq.



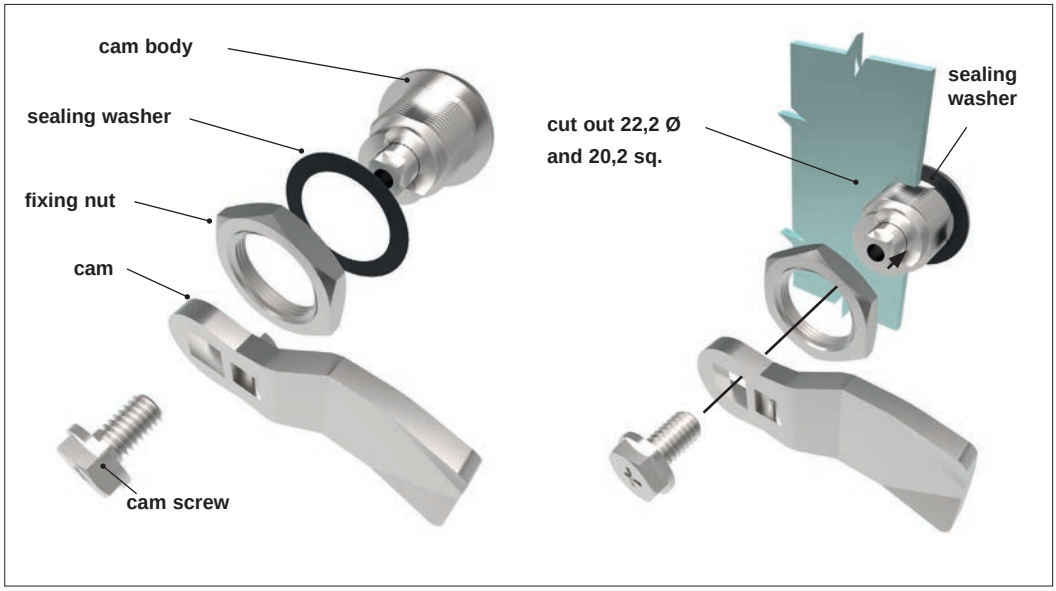
Option 1: Installation when fully assembled



When the cam latch grip (h) is 9mm or more this method is possible:-

1. With the cam body and cam fully assembled, attach the sealing washer to cam body.
2. Tilt the latch 45° and pass it, cam first, through the installation cut out in the panel.
3. When in place attach the fixing nut to the cam body to secure. Tighten to 10 Nm max.

Option 2: Installation unassembled



When the cam latch grip (h) is less than 9mm this method is suitable:-

1. Prior to commencing ensure that the cam body, cam, cam screw, fixing nut and sealing washer are completely unassembled.
2. Attach the sealing washer to the cam body and pass through installation cut out in panel.
3. Attach the fixing nut to the cam body to secure. Tighten to 10 Nm max.
4. Attach the cam to the cam body. Once you have ensured that the cam has the correct orientation toward the panel frame, secure the cam screw and tighten to 4 Nm.

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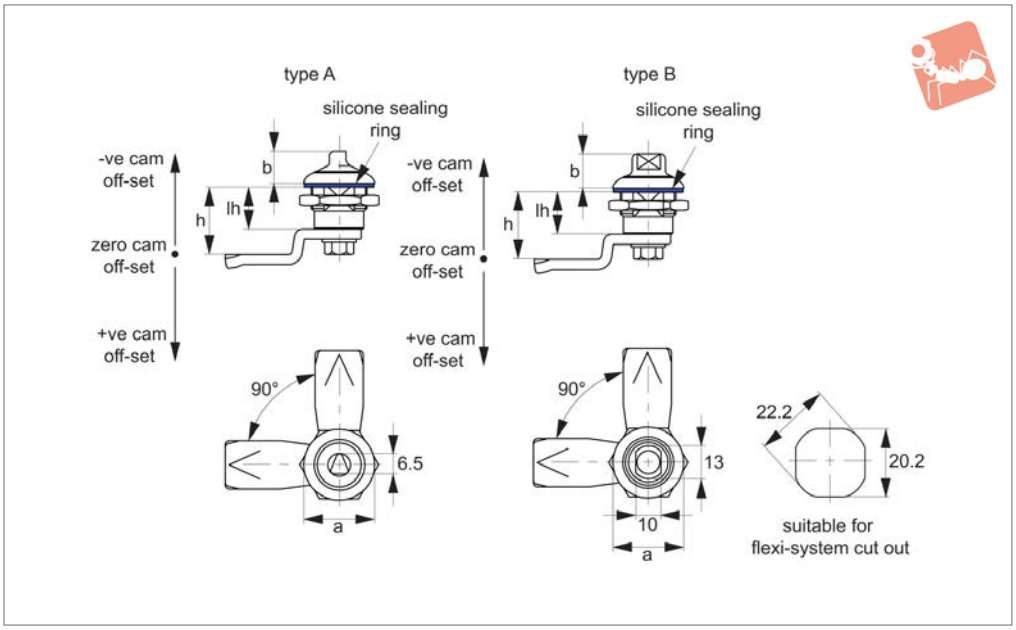


A1104

Material

Body: Stainless steel AISI304
Handle: Stainless steel AISI304
Blue gasket: silicone
Gaskets provide IP69K rating.
Supplied with: Nut and screw: Stainless steel AISI304
Not Supplied: CAM nor KEY - order separately.

Technical Notes

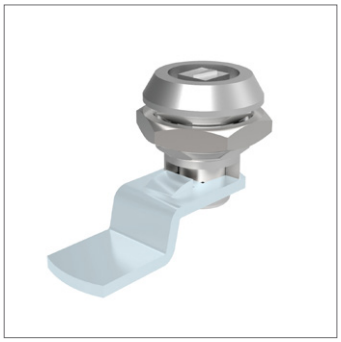
Order cam and key separately.
Cams: see suitable cam A0203 (steel) and A0210 (Stainless Steel)
A0224 and A0240.
Select „without projection" cam type.
Dimensions ch and cl relate to cam.
Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
H = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0104.

Tips

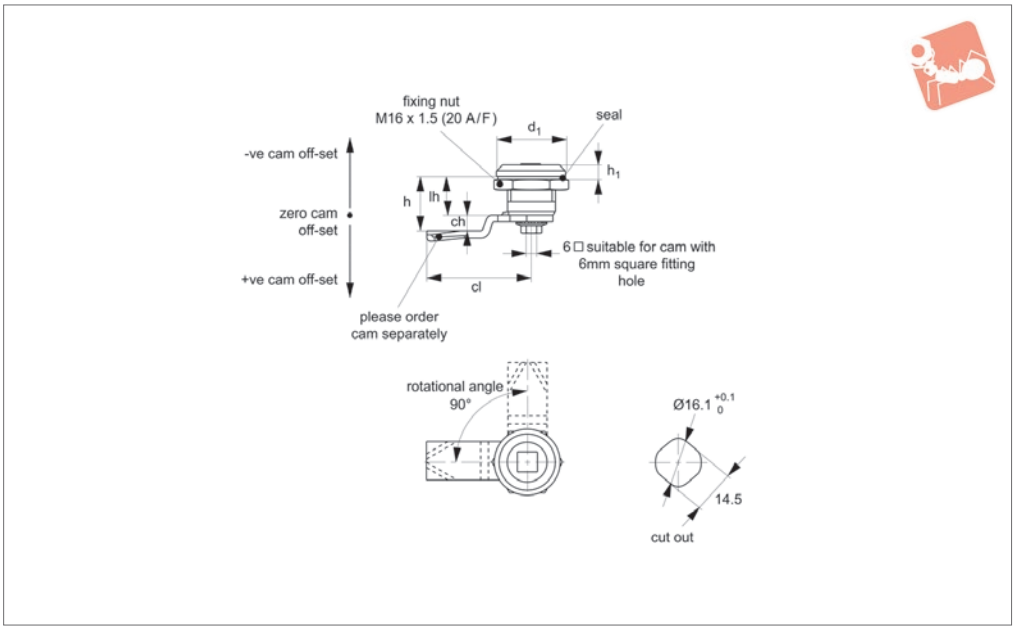
Made to the high „3A" standard.
This ensures it meets the high standards required for use in food, beverage, pharmaceutical and medical applications.
Hygienically designed for effective and easy cleaning, corrosion resistant, non-toxic.
Design precludes contamination by dirt, food particles and organic matter.

Order No.	Insert driver	a	b	lh
A1104.AW0010	triangle 7	28	13	18
A1104.AW0110	Stadium	28	13	18

Mini Cam Latches
insert driver - fixed grip



A1261



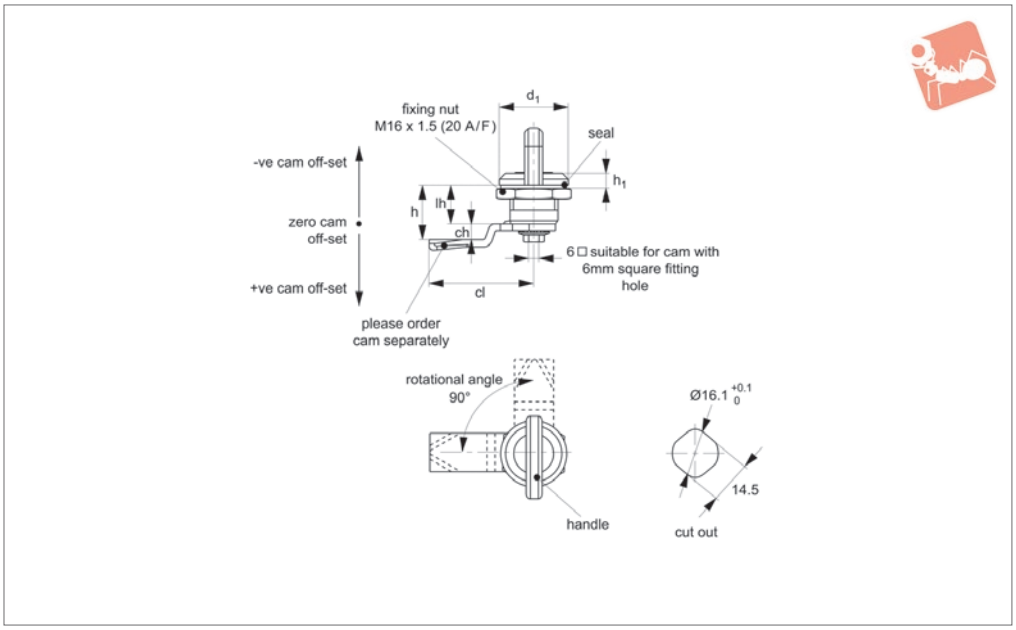
Material
Type one: Body & insert: die cast zinc, chrome plated or black powder coated.
Supplied with: Keys: two per lock.
Not supplied: CAM - order separately.

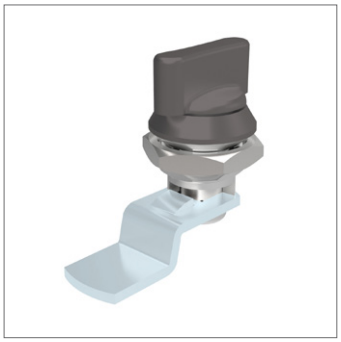
Technical Notes
Order cam and key separately.
Cams: see suitable cam A0261. Select „with projection“ cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

Tips
Mini cam latches for any application; securing doors, cabinets etc. Quarter-turn opening or closing.

Important Notes
Sold subject to pack quantity.

Order No.	Insert driver	Finish	d_1	h_1	lh
A1261.AW0006	Square 6	Chrome	20	4	12.5
A1261.AW0078	Slot (2x4)	Chrome	20	4	12.5
A1261.AW0306	Square 6	Black Coated	20	4	12.5
A1261.AW0378	Slot (2x4)	Black Coated	20	4	12.5





A1281

Material
Body & insert: die cast zinc, chrome plated or black powder coated.
Handle: black plastic, PA6.
Not supplied: CAM - order separately.

Technical Notes
Order cam separately.
Cams: see suitable cam A0261. Select „with projection“ cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Tips
Wing knob actuates lock, and also acts as knob/handle.

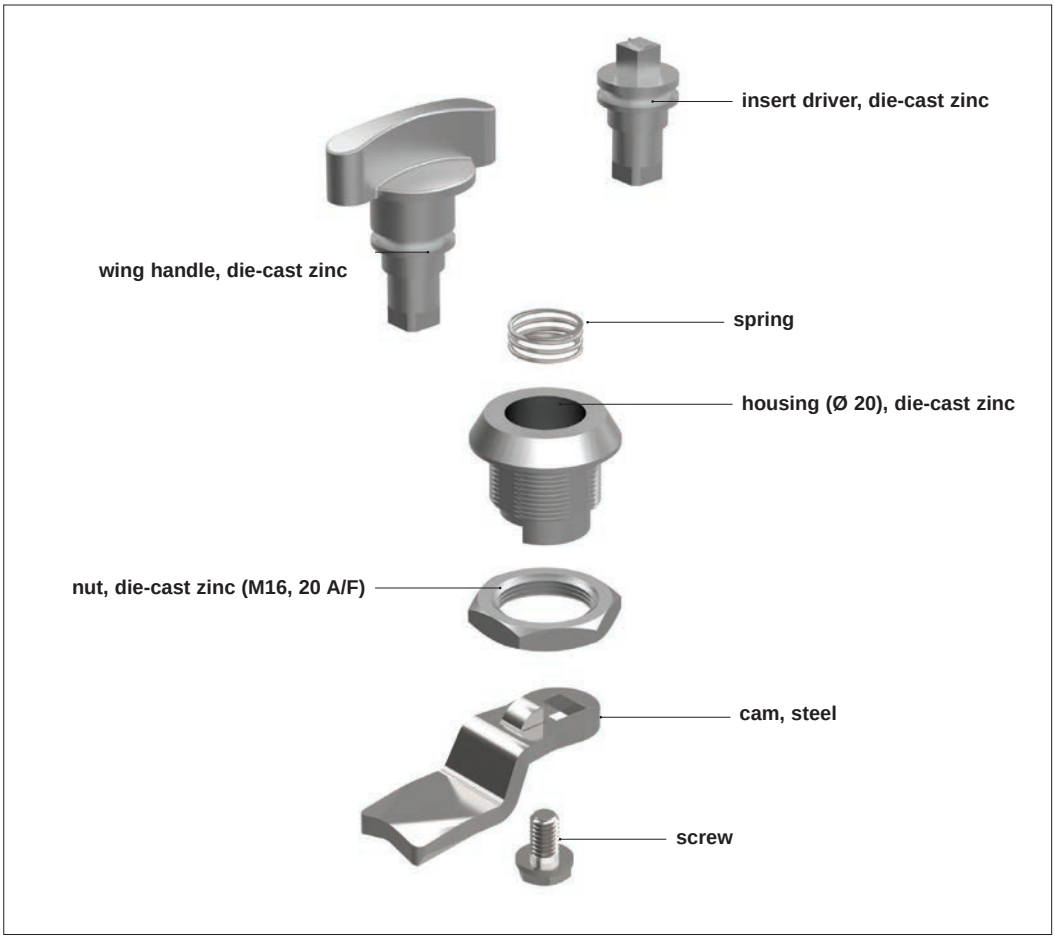
Important Notes
Sold subject to pack quantity.

Order No.	Handle	Body	d_1	h_1	lh
A1281.AW0110	Black Plastic	Chrome Plated	20	4	12.5
A1281.AW0120	Black Plastic	Black Powder	20	4	12.5

Wixroyd Mini Cam Latch

exploded view and assembly

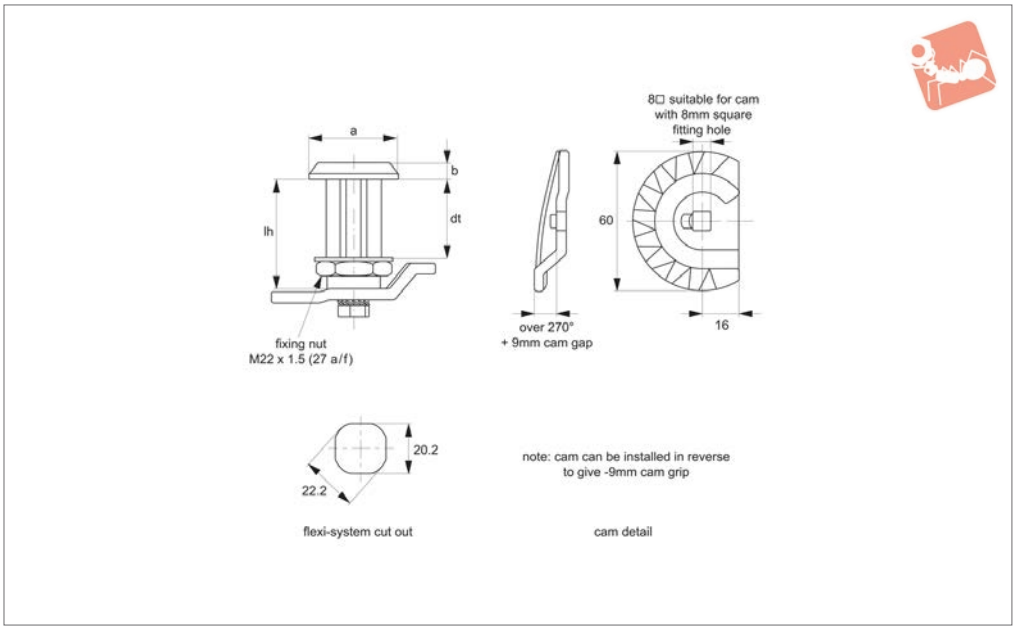
Die-cast zinc:
A1261, A1281



Wixroyd AN ESSENTRA COMPANY

Cam Latches - Flexi-System

insert driver - stepped cam - extended body - zinc



A1241

Material
Body: die cast zinc, chrome plated. Insert fitted with O'ring to achieve IP54 rating.
Supplied with: Nut: steel, zinc plated. Sealing washer: PU & rubber.
Stepped cam: die cast zinc, 9mm step over 270° rotation, 60mm dia.

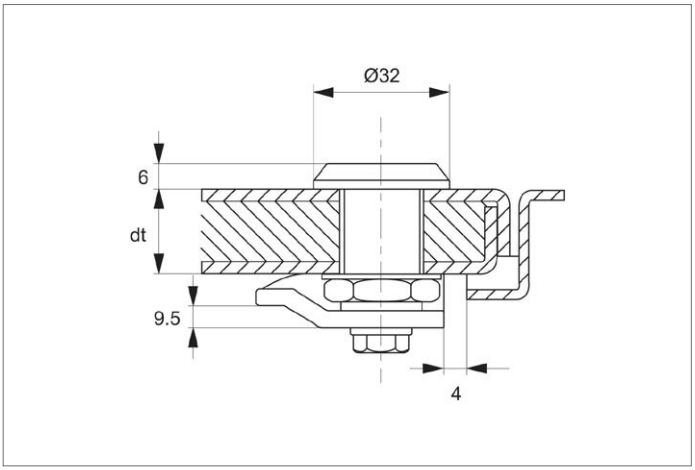
Not supplied: KEY - order separately.

Technical Notes
Order keys separately. Suitable keys - A0102.

Tips
Stepped cam ideal for air conditioning units, sound proof or isolation doors. Very tight closure of door possible, due to stepped cam over a 270° rotation.

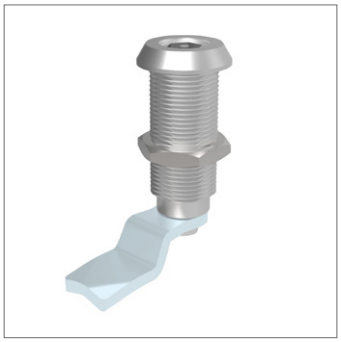
Important Notes
Sold subject to pack quantity.

Order No.	Insert driver	lh	dt door thickness max.	a	b
A1241.AW0311	Square 7	40	30	32	6
A1241.AW0411	Square 7	50	40	32	6

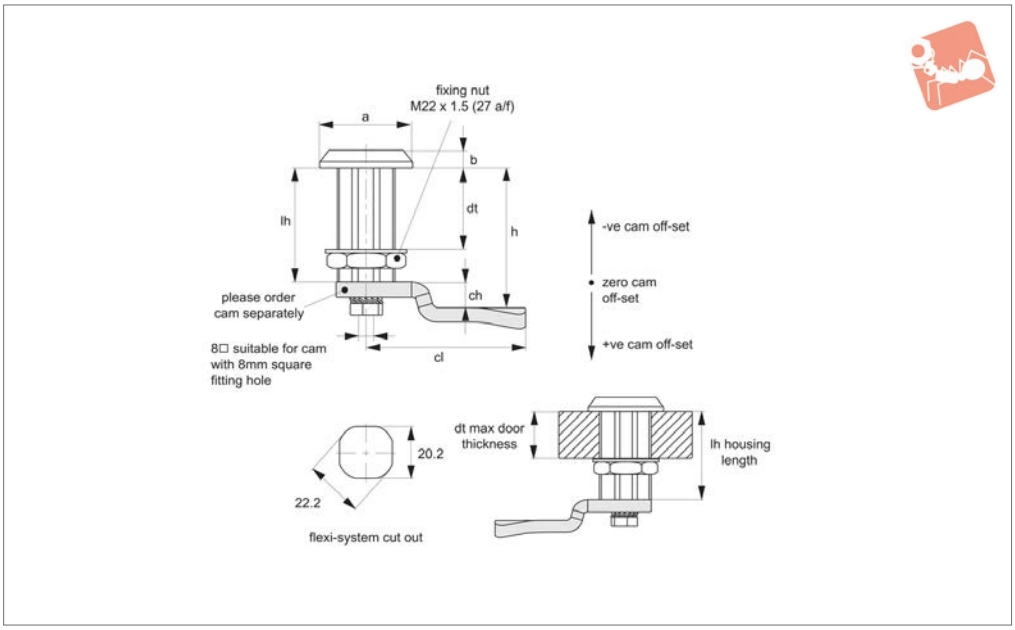


Cam Latches - Flexi-System

insert driver - extended body - zinc



A1251



Material

Body & insert: die cast zinc, chrome plated. Insert fitted with O'ring to achieve IP54 rating.
Supplied With: Nut: steel, zinc plated. Sealing washer: PU & Rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

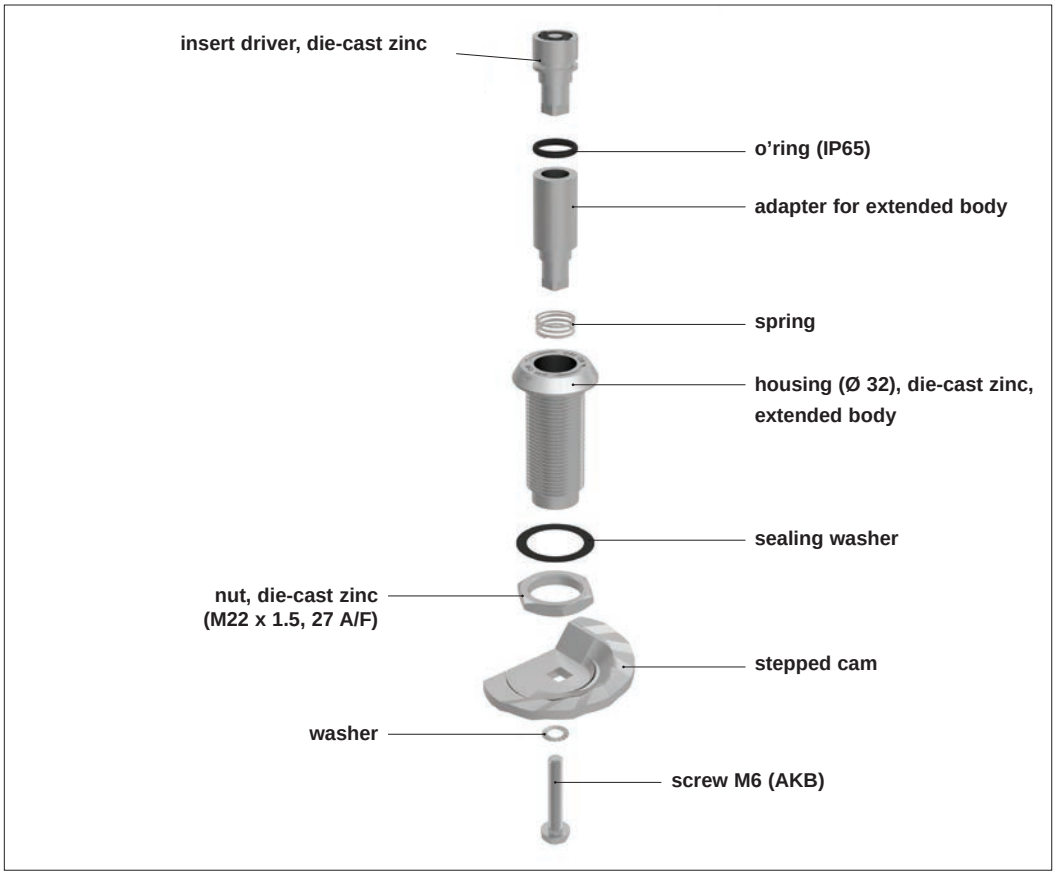
Ideal for air conditioning units, sound-proof or isolation doors, as well as wooden panels. Insert quarter-turn opening or closing.
Slotted insert driver does not require a key. Simply use a flat head screwdriver to actuate.

Important Notes

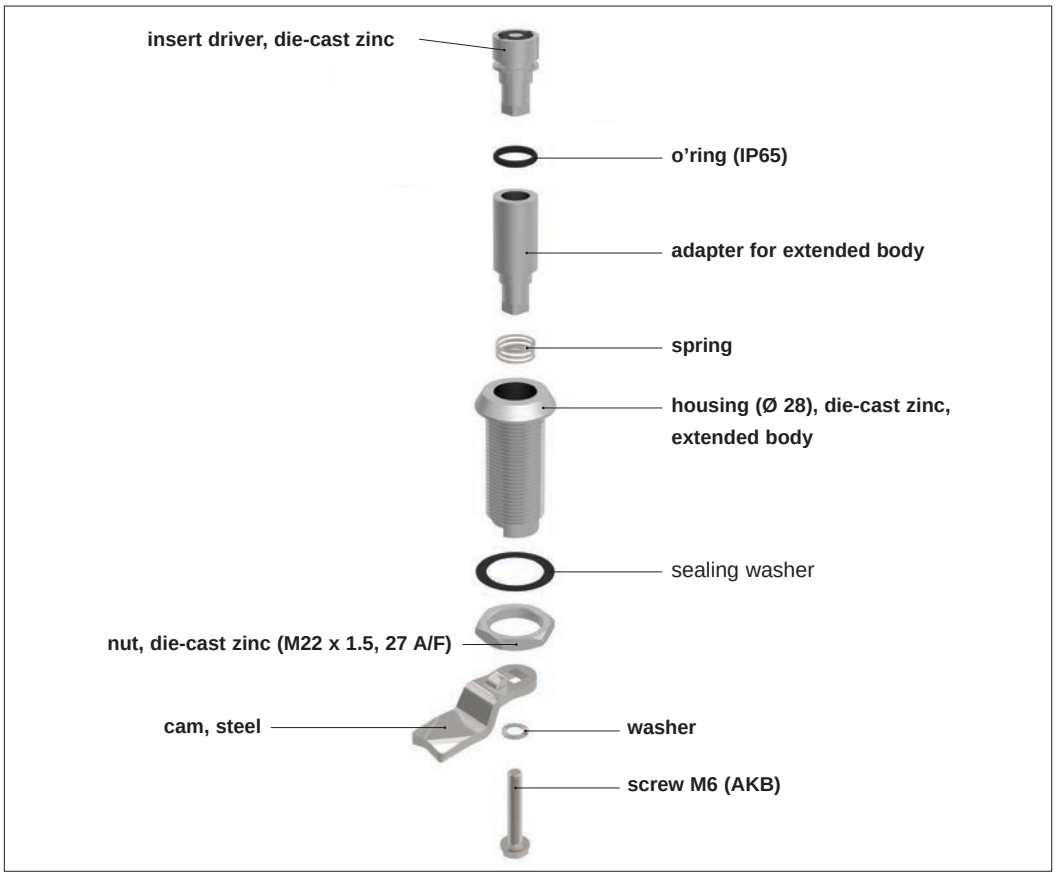
Sold subject to pack quantity.

Order No.	Insert driver	lh	dt	a	b
A1251.AW0011	Square 7	28	20	28	4
A1251.AW0021	Square 8	28	20	28	4
A1251.AW0041	Triangle 7	28	20	28	4
A1251.AW0051	Triangle 8	28	20	28	4
A1251.AW0061	3mm Double Bit	28	20	28	4
A1251.AW0071	4mm Double Bit	28	20	28	4
A1251.AW0081	Slotted (2x4)	28	20	28	4
A1251.AW0311	Square 7	36	30	28	4
A1251.AW0321	Square 8	36	30	28	4
A1251.AW0341	Triangle 7	36	30	28	4
A1251.AW0351	Triangle 8	36	30	28	4
A1251.AW0361	3mm Double Bit	36	30	28	4
A1251.AW0371	4mm Double Bit	36	30	28	4
A1251.AW0381	Slotted (2x4)	36	30	28	4
A1251.AW0511	Square 7	62	50	28	4
A1251.AW0521	Square 8	62	50	28	4
A1251.AW0551	Triangle 8	62	50	28	4
A1251.AW0561	3mm Double Bit	62	50	28	4
A1251.AW0571	4mm Double Bit	62	50	28	4
A1251.AW0581	Slotted (2x4)	62	50	28	4

Stepped cam: A1241



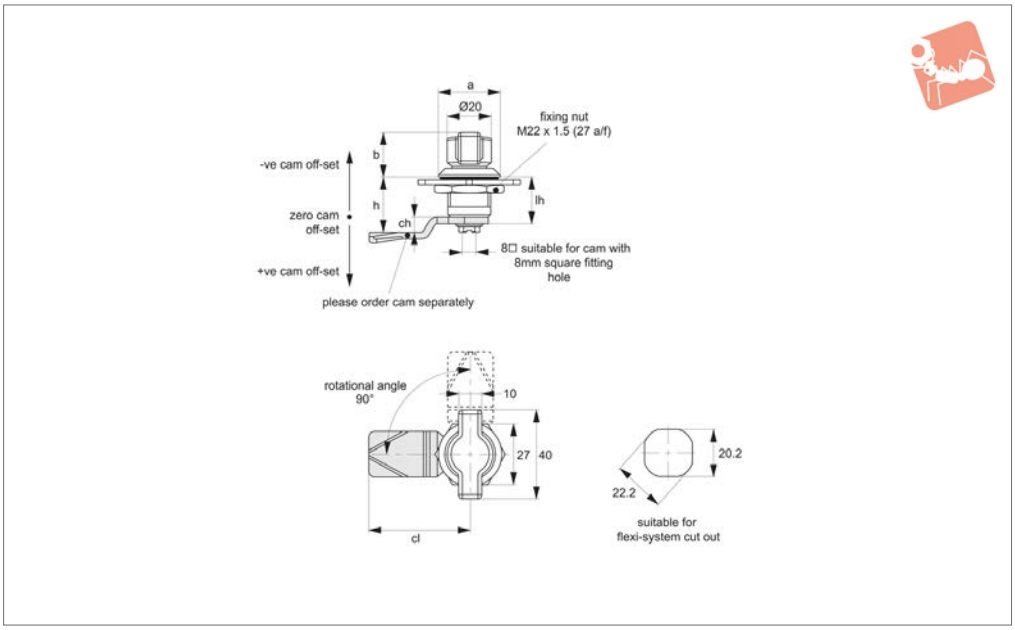
Extended body cam latch: A1251



Cam Latches - Flexi-System

fixed grip - wing handle - ergonomic

A1181



Material

Body: die cast zinc.
Handle: black plastic (PA6).
Not supplied: CAM - order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.

Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

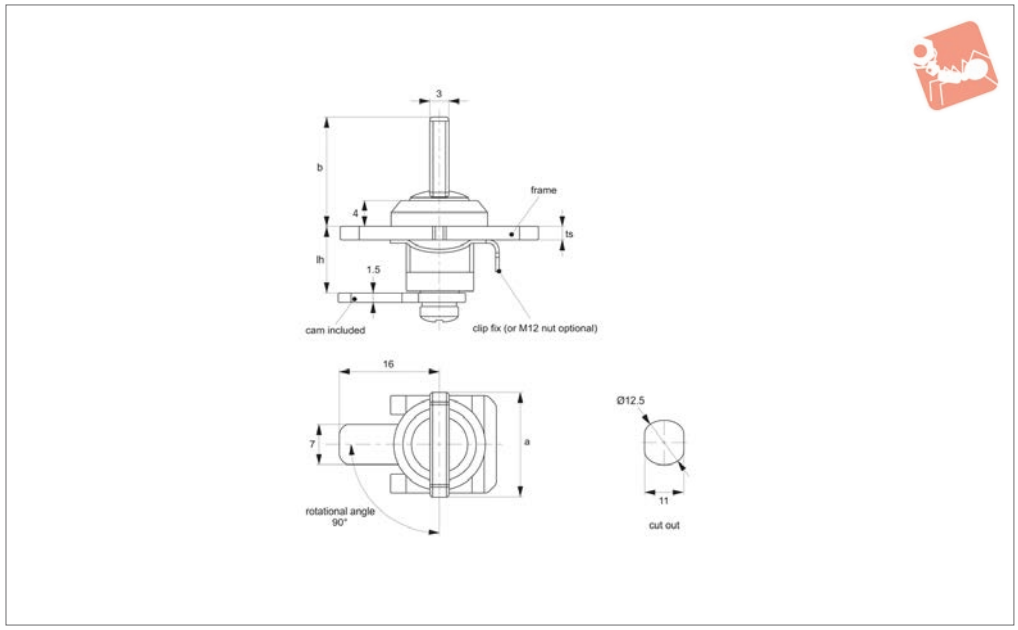
Tips

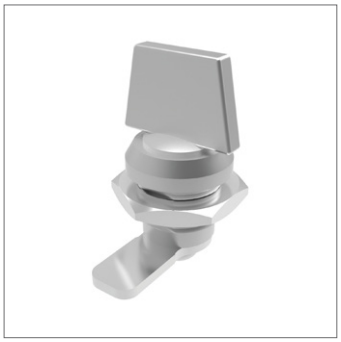
Wing actuates lock, and also acts as a knob/handle. Quarter-turn opening or closing.

Important Notes

Sold subject to pack quantity.

Order No.	Body finish	Handle	a	b	lh
A1181.AW0110	Chrome Plated	Black Plastic	28	20	18
A1181.AW0210	Black Coated	Black Plastic	28	20	18
A1181.AW0510	Black Plastic	Black Plastic	28	20	18





A1192

Material
Body & Handle: die cast zinc, bright chrome plated.
Supplied with: Cam.

Technical Notes
Suitable for max. panel thickness 1-2mm.

Can be fixed to panel either via spring clip fix, or M12 nut.

Tips
Quarter-turn opening or closing.
Wing actuates lock and also acts as knob/ handle.

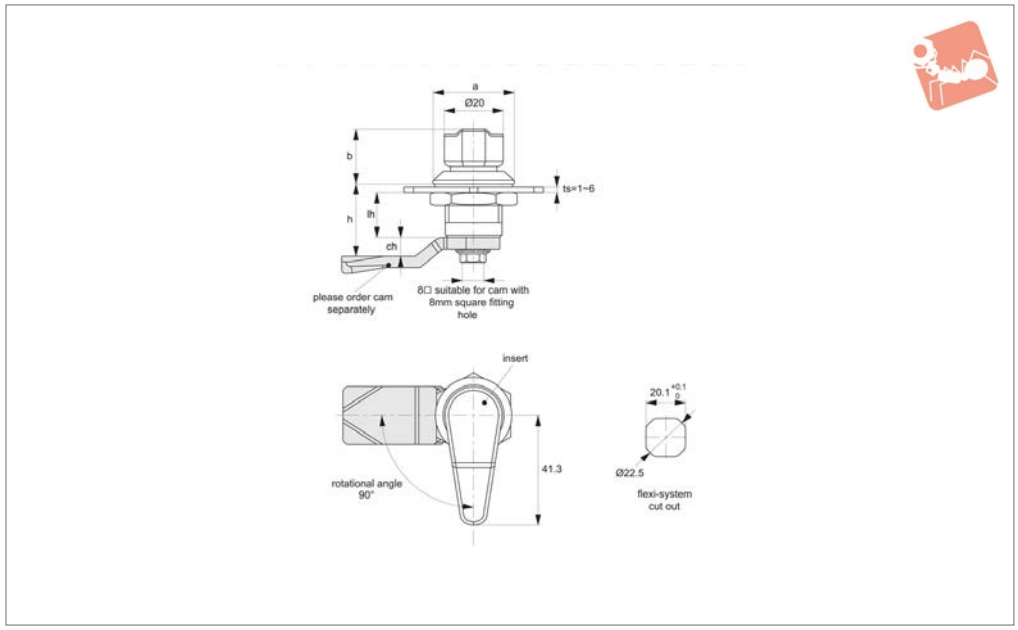
Order No.	Type	a	b	lh	ts
A1192.AW0175	Clip Fixing	17.5	16.5	10	1-2mm
A1192.AW1175	Nut Fixing	17.5	16.5	10	1-2mm

Wixroyd Cam and Compression Latches

product selection charts

Miscellaneous Cut out	Actuation Method: Insert Driver	Actuation Method: Cylinder Lock	Actuation Method: Manual/Grip	Body length (mm)	Body: Die-Cast Zinc	Body: Polyamide Plastic	Body: Stainless Steel	Finishes: Chrome Plated	Finishes: Black Coated	Finishes: Natural	Cam Type: With Projection	Cam Type: W/O Projection	IP Rating
A1192 - Mini Cam Latch - Wing Handle - Fixed Grip													
			✓	10	✓			✓					
Cams: Supplied - Keys: N/A													
A1506 - Panel Latches - Fixed Grip													
	✓			25		✓		✓					54
Cams: Supplied - Keys: A0102													
A1520 - Cam Lock - Fixed Grip													
	✓			18		✓			✓				
Cams: Supplied - Keys: A0102													
A1546 - Panel Latch - Uncovered													
			✓			✓		✓					
Cams: Supplied - Keys: N/A													
A1561 - Panel Latch - with Cover													
	✓			22,5		✓			✓				
Cams: Supplied - Keys: N/A													
A1701 - Compression Latch - Lever Latch - Flush Trigger													
	✓					✓			✓				
Cams: N/A - Keys: Supplied													
A1707 - Compression Latch - Lever Latch - Raised Trigger													
	✓			19		✓			✓				
Cams: Supplied - Keys: Supplied													
A1751 - Compression Latch - Lever Latch													
		✓				✓			✓				
Cams: N/A - Keys: Supplied													

Miscellaneous Cut out	Actuation Method: Insert Driver	Actuation Method: Cylinder Lock	Actuation Method: Manual/Grip	Body length (mm)	Body: Die-Cast Zinc	Body: Polyamide Plastic	Body: Stainless Steel	Finishes: Chrome Plated	Finishes: Black Coated	Finishes: Natural	Cam Type: With Projection	Cam Type: W/O Projection	IP Rating
A4241 - Cam Latch - with Rod Control - Extended Cover													
		✓				✓				✓		✓	40
Cams: A0203, A0224, A0240 - Keys: A0102													
A4260 - Cam Lock - with Rod Control - Wing Handle - Extended Cover													
		✓				✓				✓		✓	54
Cams: A0203, A0224, A0240 - Keys: A0102													
A4221 - Cam Latch - with Rod Control - with Cover													
		✓		Various		✓				✓		✓	
Cams: A0203, A0224 - Keys: A0102													



A1203

Material

Type one: Body: die cast zinc, black powder coated.
Handle: polyamide, black.
Type two: Body & handle: polyamide, black.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

Finger knob actuates lock, and also acts as a handle.

Important Notes

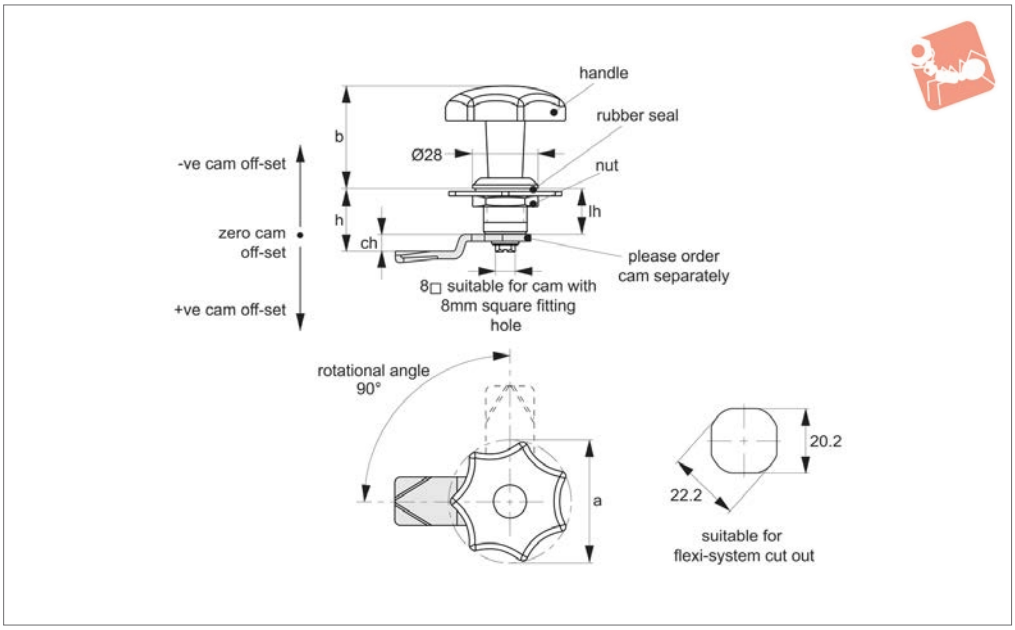
Sold subject to pack quantity.

Order No.	Type	a	b	lh
A1203.AW0318	One Zinc	28	18	18
A1203.AW0328	One Zinc	28	18	28
A1203.AW0362	One Zinc	28	18	62
A1203.AW0518	Two Polyamide	28	18	18
A1203.AW0536	Two Polyamide	28	18	36

Cam Latches - Flexi-System

grip handle – zinc and polyamide

A1205



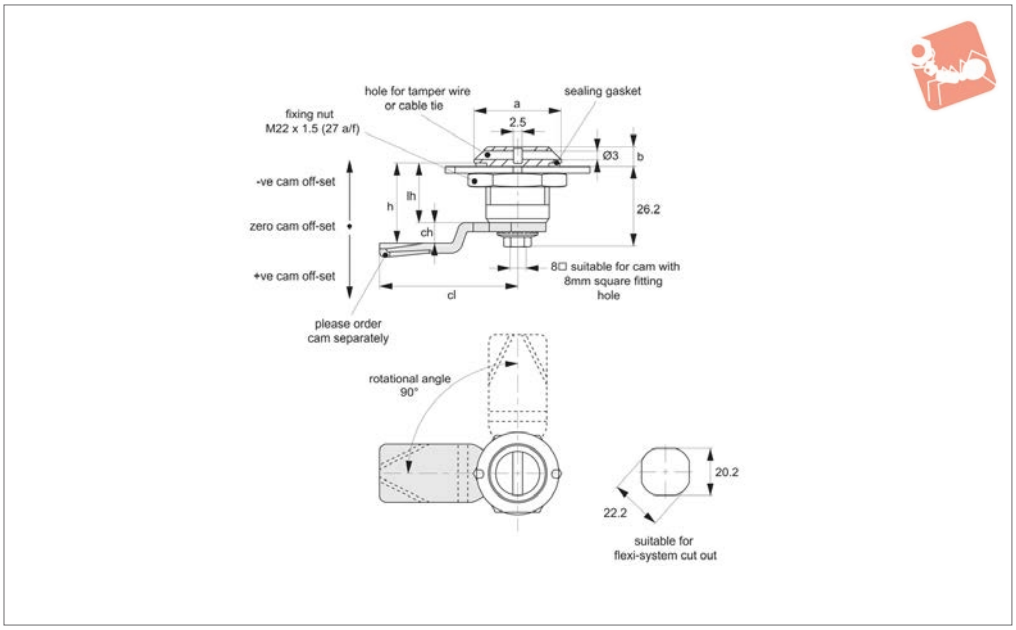
Material

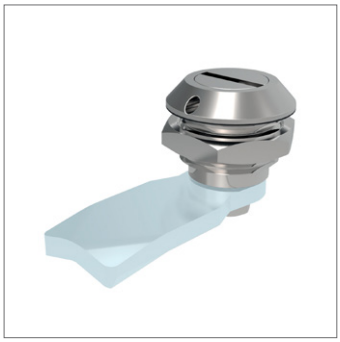
Body: black powder coated zinc or polyamide.
Handle: polyamide, black.
Fitted with sealing gasket to achieve IP54 rating.
Sealing washer: rubber.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0203 (steel), A0210 (stainless). Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 1-6mm.

Order No.	Material	a	b	lh
A1205.AW0018	Zinc Body, PA Handle	27	18	18
A1205.AW0028	Zinc Body, PA Handle	27	28	18
A1205.AW0036	Zinc Body, PA Handle	27	36	18
A1205.AW0062	Zinc Body, PA Handle	27	62	18
A1205.AW1018	PA Body & Handle	27	18	18
A1205.AW1028	PA Body & Handle	27	28	18





A1210

Material
Body & Insert: die cast zinc, bright chrome plated.
Supplied With: Nut: steel.
Not supplied: CAM - order separately.

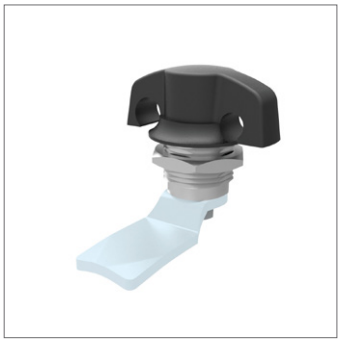
Technical Notes
Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips
Quarter-turn opening or closing.

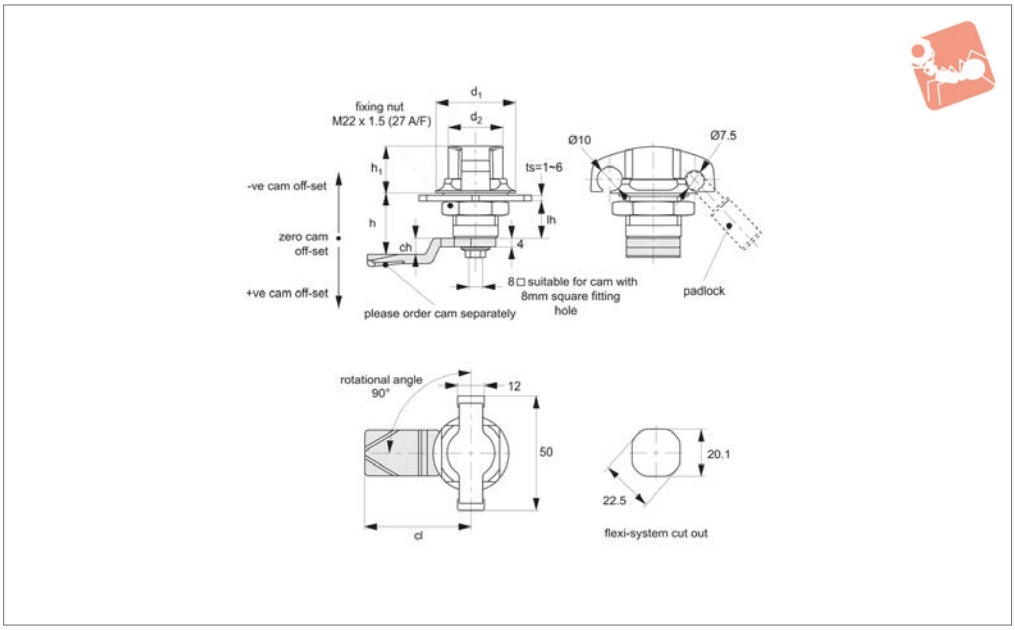
Order No.	a	b	lh
A1210.AW0028	28	6.5	20

Cam Latches - Flexi-System

padlock wing handle - fixed grip - zinc



A1161



Material

Body & Handle: die cast zinc, pocked black powder or chrome plated.
Not supplied: CAM - order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

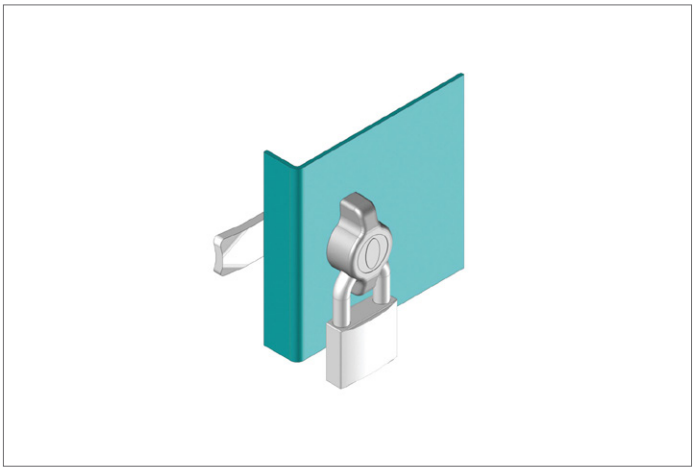
Tips

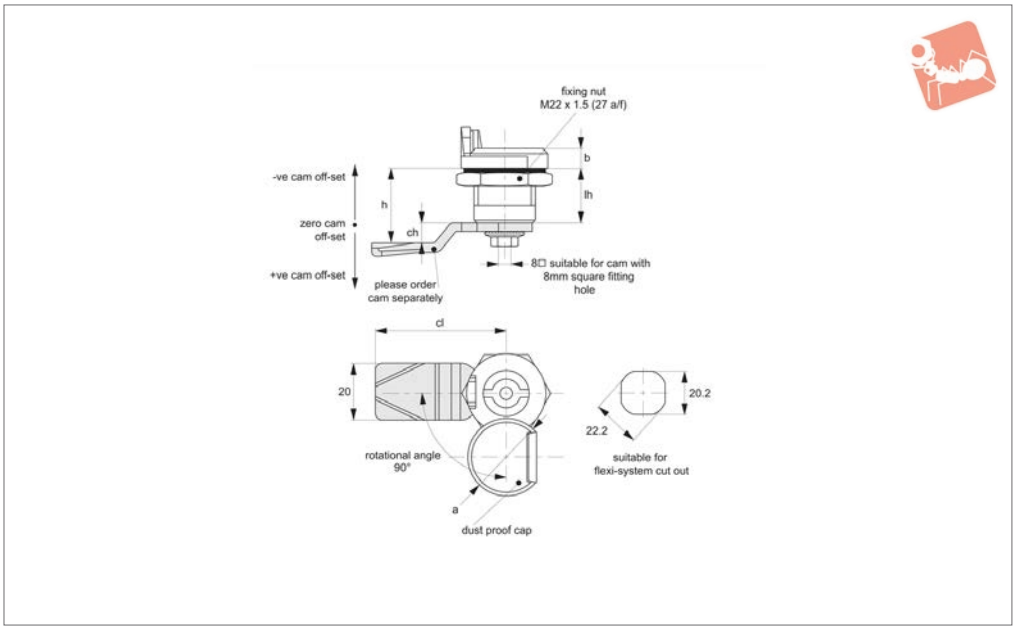
The wing knob can be locked by two sizes of padlock max. shackle dia. 7.5mm or 10mm. See technical diagram (padlock not supplied).
Panel thickness (ts) is 1 to 6mm max.

Important Notes

Sold subject to pack quantity.

Order No.	Type	d_1	h_1	d_2	lh	Finish
A1161.AW0310	Black Coated	33	19	21	18	black coated





A1168

Material
Body & Insert: die cast zinc, bright chrome plated. Insert fitted with O'ring to achieve IP54 rating.
Supplied with:
Cap: dust-proof.
Not supplied: CAM nor KEY - order separately.

Technical Notes
Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

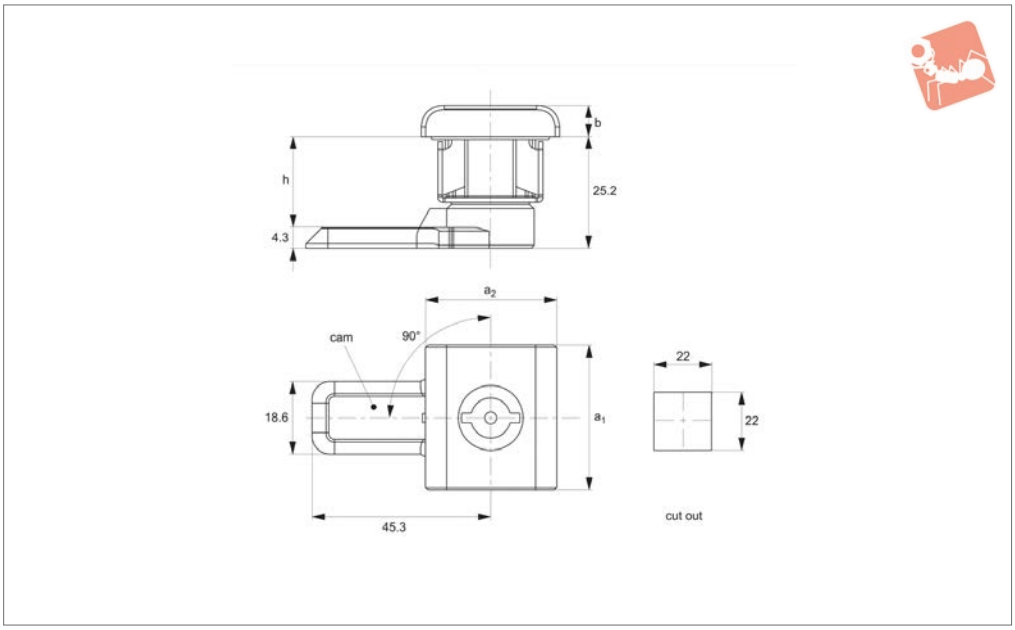
Tips
Quater turn opening or closing.

Order No.	Insert driver	a	b	lh
A1168.AW0007	Square 7	29	6.5	18
A1168.AW0008	Square 8	29	6.5	18
A1168.AW0017	Triangle 7	29	6.5	18
A1168.AW0018	Triangle 8	29	6.5	18
A1168.AW0103	3mm Double Bit	29	6.5	18
A1168.AW0104	4mm Double Bit	29	6.5	18
A1168.AW0124	Slotted (2x4)	29	6.5	18

Panel Latches - Stainless Steel

insert driver - fixed grip

A1506

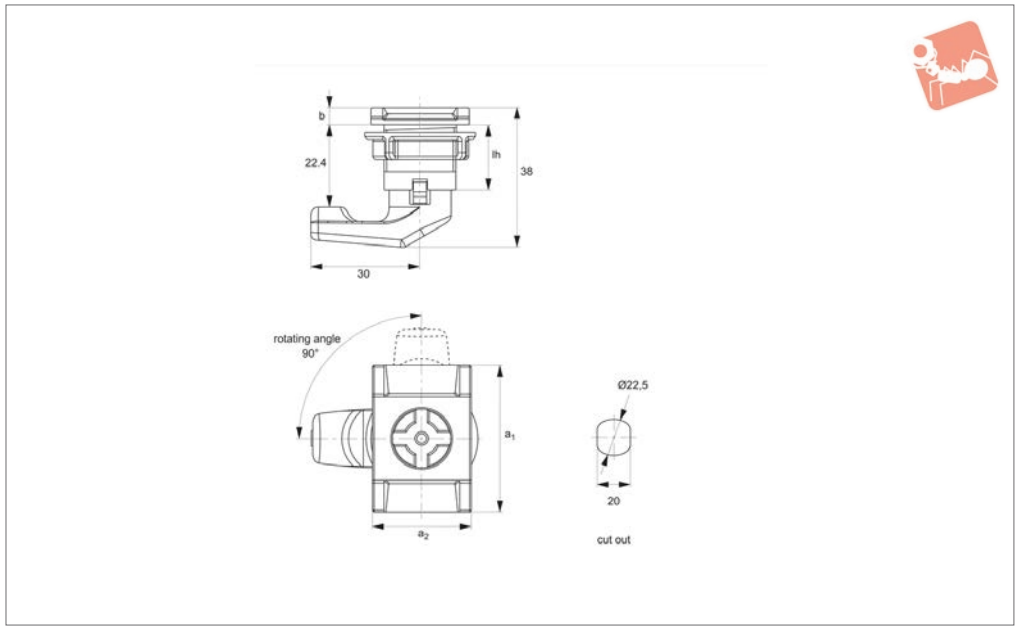


Material
Housing & insert: stainless steel, 304 mirror polished. Sealed to achieve IP54 rating.

Supplied with: Cam: die cast zinc. **Not supplied:** KEY - order separately.

Technical Notes
Order key separately. Suitable keys - A0102.
Fixed grip length (h)=20,9.

Order No.	Insert	a_1	a_2	b	h
A1506.AW0036	3mm Double Bit	36	32	7	20.9



A1520

Material
Housing, insert and nut: plastic.
Supplied with:CAM

Not supplied: KEY - order separately.

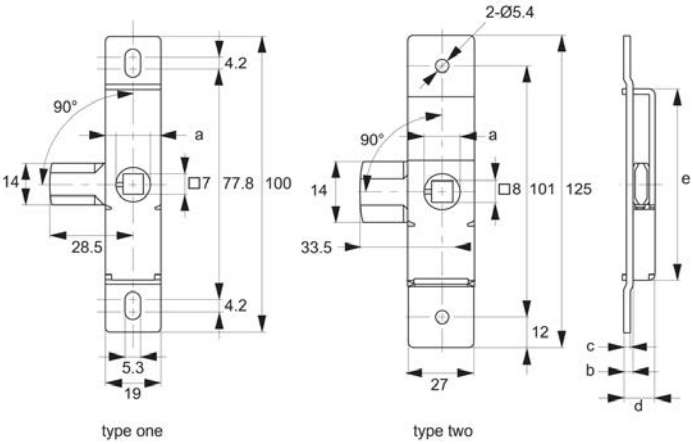
Technical Notes
Order key separately. Suitable key - A0102.

Order No.	Insert type	a_1	a_2	b	lh
A1520.AW0010	3mm Double Bit	39.5	26.5	4.6	18

Panel Latches

uncovered - square driver - steel

A1546

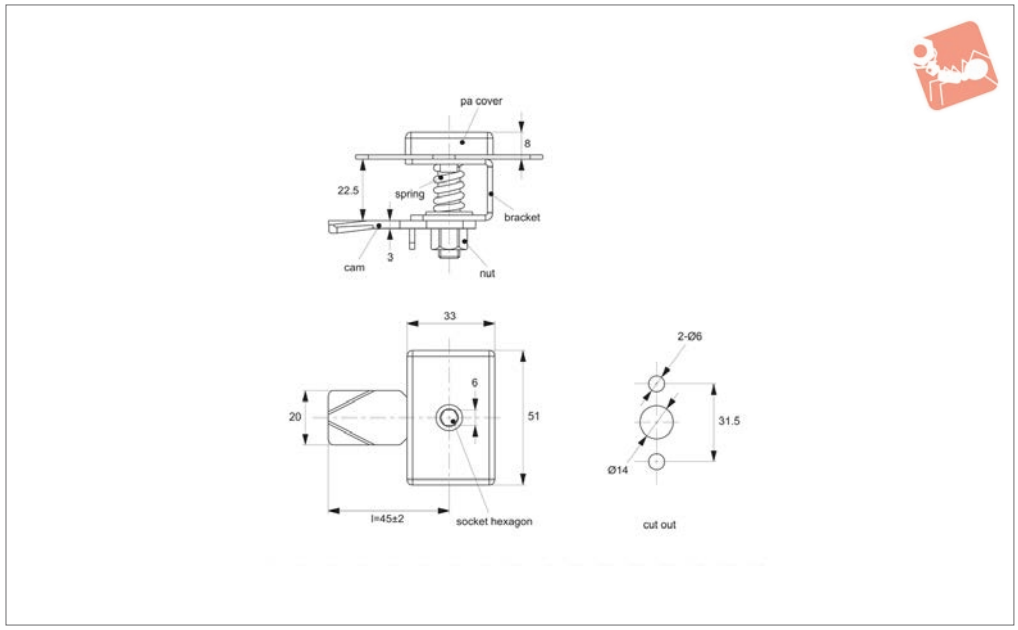


Material
Body & insert: Q235 steel, zinc plated.
Supplied with: Cam: stainless steel.

Technical Notes
Can be used with a square 7 or 8 square bar for handle/key opening.

Fix internally to panels or enclosures via rivets, or M 5 screws (not supplied).

Order No.	Insert type	Type	a	b	c	d	e
A1546.AW0012	Square 7	Type One	12	3.0	2.0	10.4	65.0
A1546.AW0015	Square 8	Type Two	15	3.5	2.5	15.1	76.2



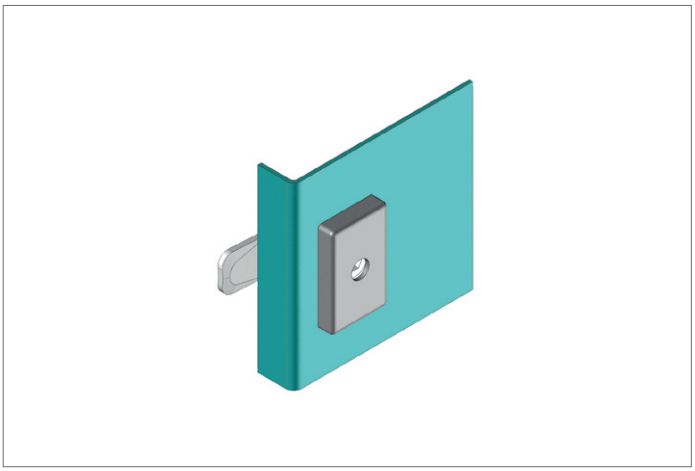
A1561

Material
Body & cam: steel, white zinc plated.
Cover: plastic, PA.
Supplied with: CAM: steel, white zinc plated.

Not supplied: KEY. Use standard 6mm allen/hex key to actuate latch.

Technical Notes
For use on electrical panels and machinery covers. Lock for use inside of panel gasket. Standard cam supplied achieves grip length of 22,5mm.

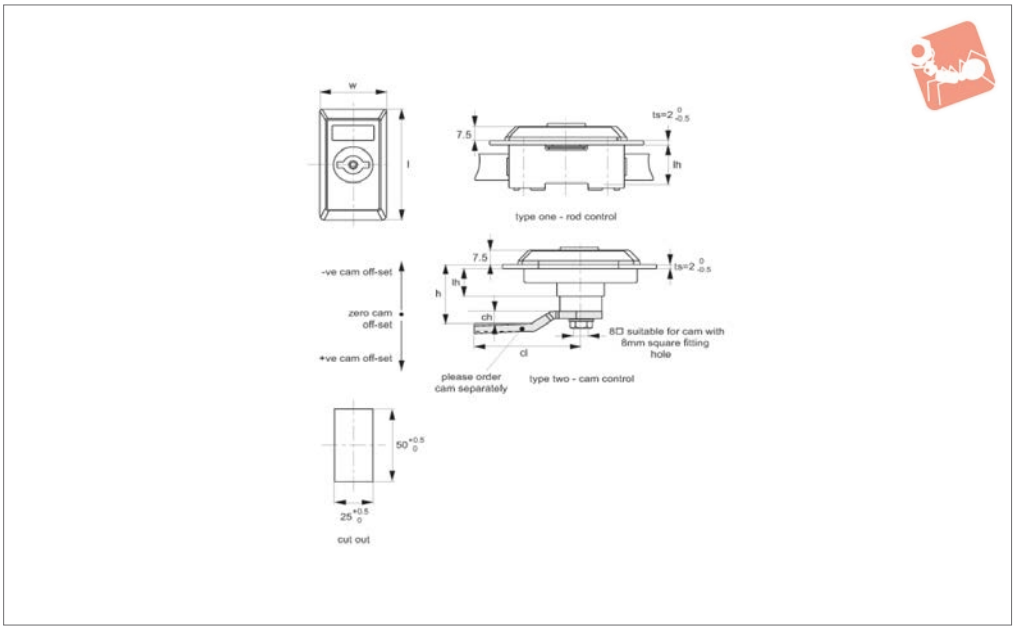
Order No.	Type	Grip length
A1561.AW0024	Right Hand Lock	22,5mm
A1561.AW0224	Left Hand Lock	22,5mm



Cam Latches - with Rod Control

cover - fixed grip - 25 x 50 cut out - logo recess

A4221



Material

Panel: black PA.
Insert: die cast zinc, bright chrome-plated
Cam and rod: white zinc plated steel. **Type one:** rod control system.
Type two: cam control.
Not Supplied: CAM nor Key: order separately.

Technical Notes

Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

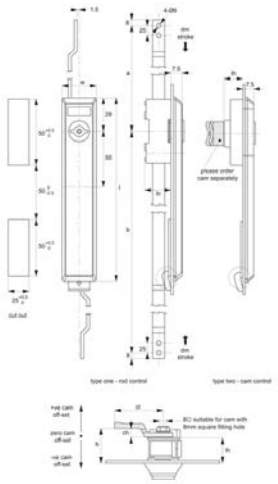
Tips

Ideal for electrical cabinets & enclosures with max. panel thickness of 2mm.

Order No.	Insert driver	Type	l	w	lh	ts max.
A4221.AW0010	4mm Double Bit	Rod Control	57.5	30	23	2
A4221.AW0020	Triangle 8	Rod Control	57.5	30	23	2
A4221.AW0030	Square 7	Rod Control	57.5	30	23	2
A4221.AW0310	4mm Double Bit	Cam Control	57.5	30	16	2
A4221.AW0320	Triangle 8	Cam Control	57.5	30	16	2
A4221.AW0330	Square 7	Cam Control	57.5	30	16	2
A4221.AW0340	Square 8	Cam Control	57.5	30	16	2

Cam Latches - with Rod Control

extended cover - fixed grip - 2 off 25 x 50 cut out



A4241

Material

Panel: black PA.
Cam and Rod: steel.
Insert: die cast zinc, chrome-plated
Type one: rod control system.
Type two: cam control.
Not Supplied: Cam nor Key: order separately.

Technical Notes

Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

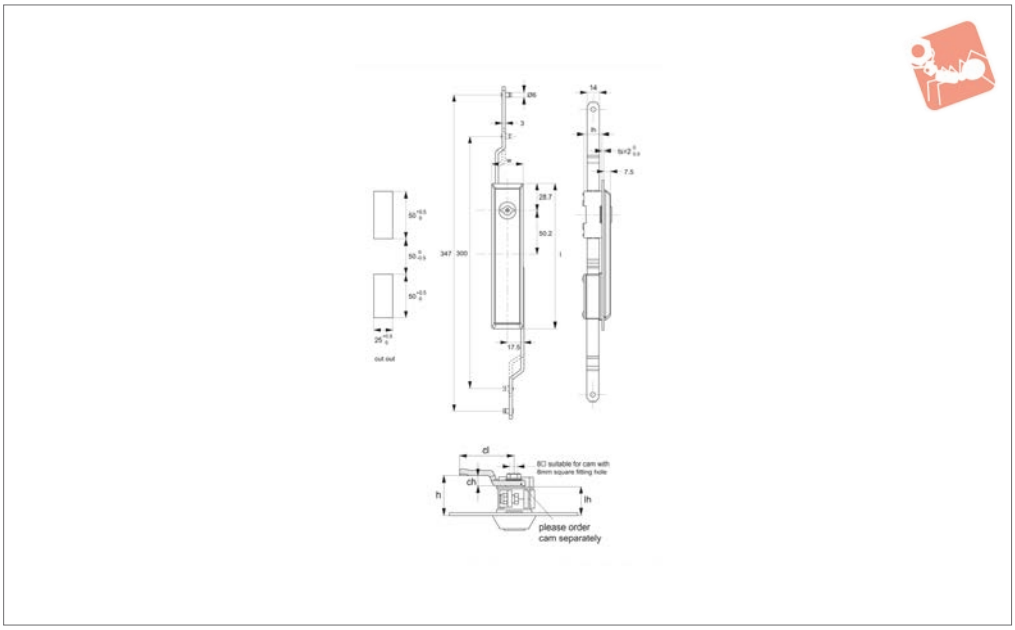
Insert quarter turn combines with rod latch system to open or close. Suitable for panel thicknesses of 2mm.

Order No.	Insert driver	Type	l	w	lh
A4241.AW0010	3mm Double Bit	Rod Control	157.5	30	23
A4241.AW0020	Triangle 8	Rod Control	157.5	30	23
A4241.AW0030	Square 7	Rod Control	157.5	30	23
A4241.AW0040	Square 8	Rod Control	157.5	30	23
A4241.AW0310	3mm Double Bit	Cam Control	157.5	30	16
A4241.AW0320	Triangle 8	Cam Control	157.5	30	16
A4241.AW0330	Square 7	Cam Control	157.5	30	16
A4241.AW0340	Square 8	Cam Control	157.5	30	16

Cam Latches - with Rod Control

extended cover - fixed grip - 2 off 25 x 50 cut out

A4260



Material

Body: polyamide. Unique integral polyurethane gasket, to achieve IP54 rating.
Rod control mechanism: die cast zinc.
Driver Insert: die cast zinc, chrome plated.
Not supplied: Key: order separately.

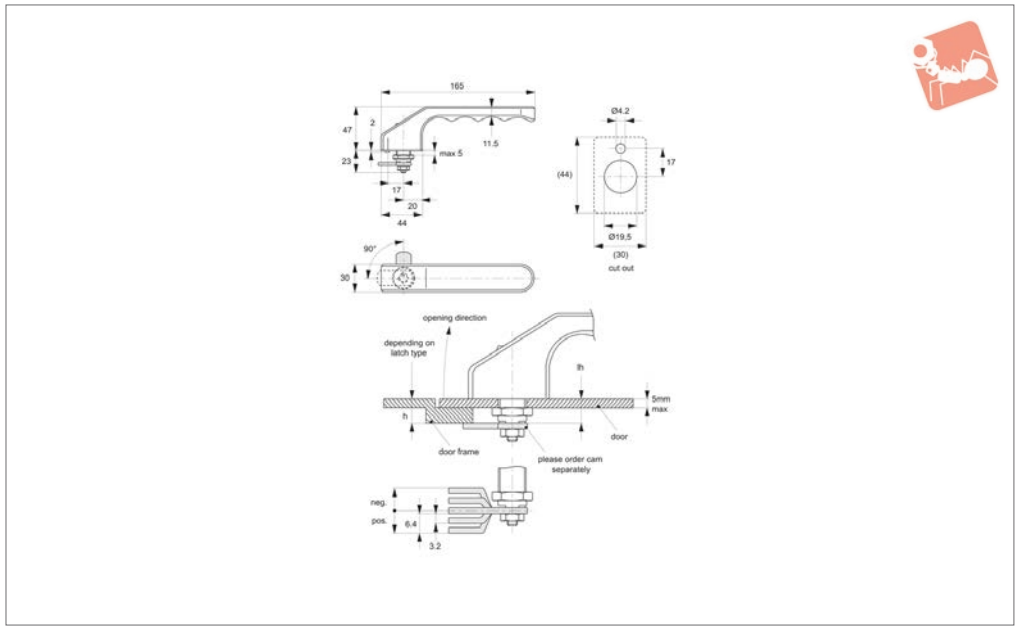
Technical Notes

Order cam and key separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.

h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Insert driver	l	w	lh
A4260.AW0010	3mm Double Bit	157.4	32.4	22



A4600

Material
Body: aluminium, AlMgSi 0,5 vibration ground. Natural or black anodized.
Supplied with: Key.
Not supplied: CAM - order separately.

Technical Notes
Order cam separately.

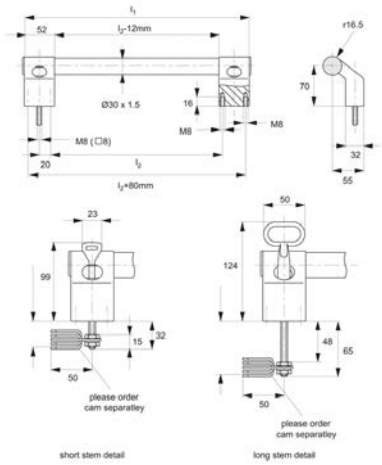
Cams: see A0250. Dimensions ch & cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of lock face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Tips
Heavy duty quarter turn handle for machinery covers, panels etc.
Maximum panel thickness of 5mm.

Order No.	Finish	Lock type	Key type	lh
A4600.AC0165	Natural	Cylindrical Pin	Keyed Alike	13.5
A4600.AC0665	Black Anodized	Cylindrical Pin	Keyed Alike	13.5

Cam Locks - Heavy Duty Pull Handle
adjustable grip

A4620



Material
Handle shank: extruded aluminium, AlMgSi 0,5, black anodized.
Handle tube: stainless steel 1.4301, tube Ø30x1,5mm. Precision ground.
Supplied with: Key.
Not supplied: CAM - order separately.

Technical Notes
Order cam separately.
Cams: see A0250. Dimensions ch & cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of lock face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

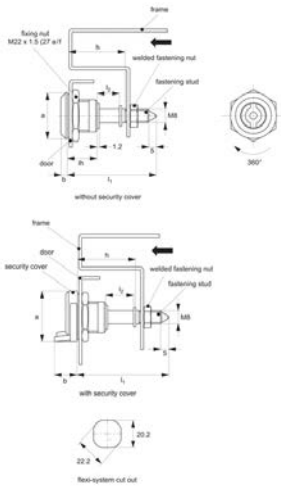
Tips
Heavy duty pull handle with quarter turn fastener for machine guards, covers, panels etc.
A4620 has threaded stem of either 32mm (short stem) or 65mm (long stem) which can be cut to length to achieve h dimension (grip length) of your choice, to best suit your application.

Order No.	Lock type	Stem	l_1	l_2
A4620.AC0137	Square Insert	Short	392	300
A4620.AC0138	Safety Lock	Short	392	300
A4620.AC0147	Square Insert	Short	492	400
A4620.AC0148	Safety Lock	Short	492	400
A4620.AC0167	Square Insert	Short	692	600
A4620.AC0168	Safety Lock	Short	692	600
A4620.AC0237	Square Insert	Long	392	300
A4620.AC0238	Safety Lock	Long	392	300
A4620.AC0247	Square Insert	Long	492	400
A4620.AC0248	Safety Lock	Long	492	400
A4620.AC0267	Square Insert	Long	692	600
A4620.AC0268	Safety Lock	Long	692	600

Compression Latch - Flexi System

insert driver - fixed grip - zinc

A1580



Material

Body: die cast zinc, bright chrome plated.
Insert: steel.
Not supplied: KEY - order separately.

Technical Notes

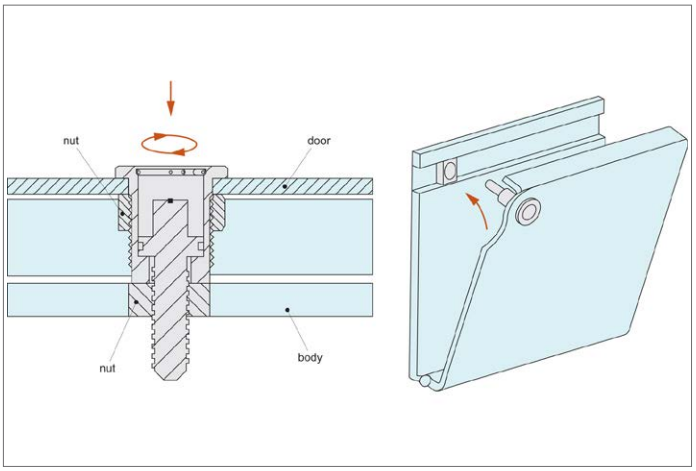
Order key separately.
Keys: see A0102.AW0060.

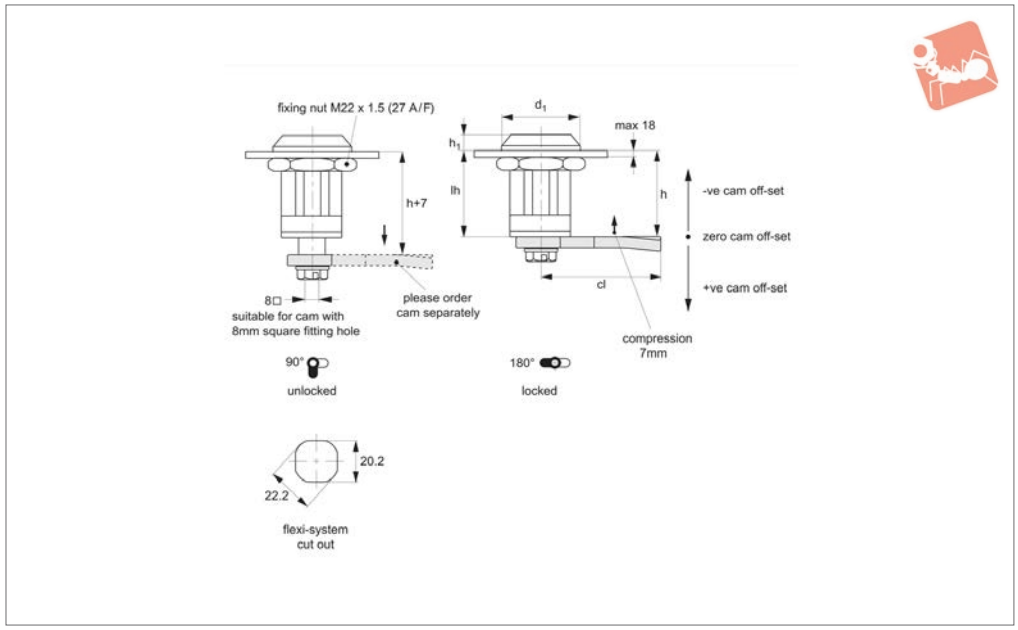
Insert driver compression latch enabling tight securing of enclosure door. Via welding a fastening nut (M 8) to the enclosure frame the fastening stud can be engaged and turned until the enclosure door is adequately tightened and secured (use triangle 7 key A0102.AW0060 to activate driver).

Tips

Security cover type can be secured with wire or cable tie for tamper evident security.
h = grip length.

Order No.	Insert type	Lock type	a	b	lh	l_1	l_2	h
A1580.AW0023	Triangle 7	W/o Security Cover	28	4	18	40	2.5	23
A1580.AW0028	Triangle 7	W/o Security Cover	28	4	18	46	7.5	28
A1580.AW0034	Triangle 7	W/o Security Cover	28	4	18	54	13.5	34
A1580.AW0223	Triangle 7	With Security Cover	29	13	18	40	2.5	23
A1580.AW0228	Triangle 7	With Security Cover	29	13	18	46	7.5	28
A1580.AW0234	Triangle 7	With Security Cover	29	13	18	54	13.5	34





A1601

Material

Body & insert: die cast zinc, finished in chrome plate or black powder coating.
Insert fitted with O'ring to provide IP54 rating.
Handle: polyamide.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0203 and A0224.
Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

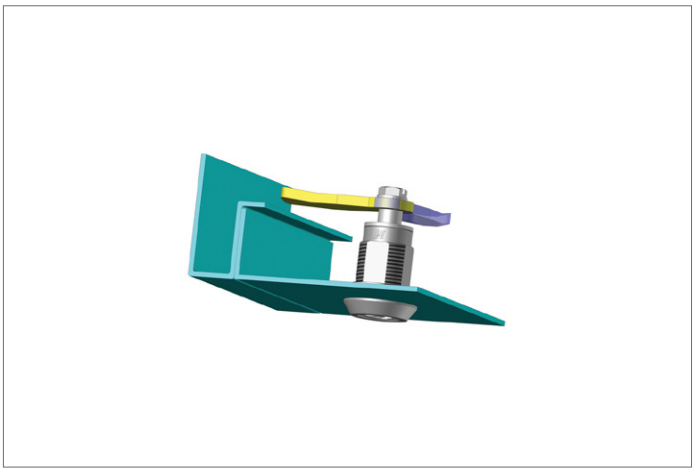
Tips

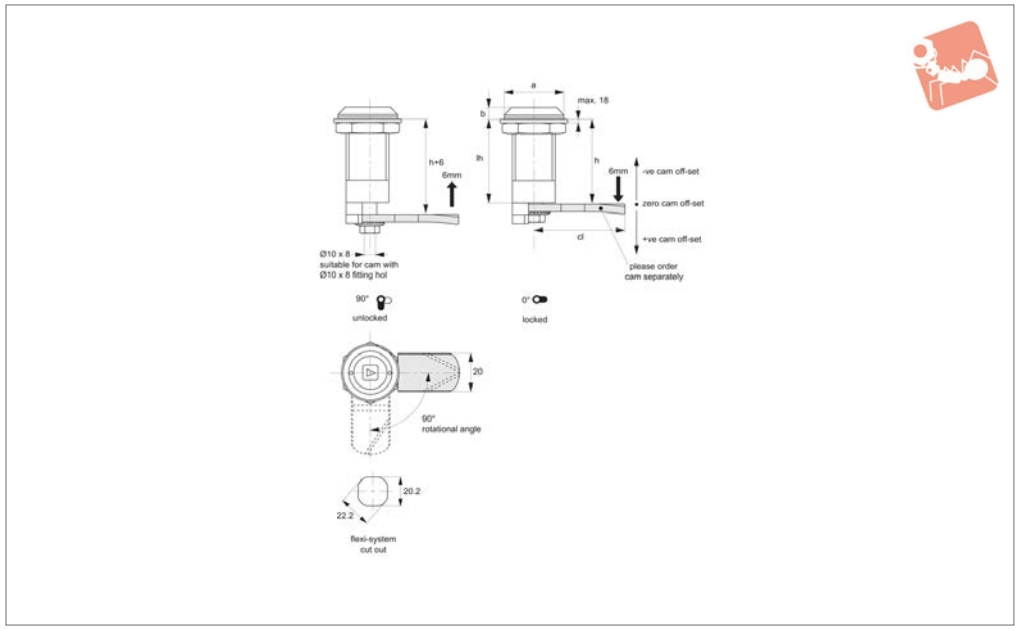
Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation.
Action:
From unlocked position, first 90° turn moves the cam to the locking position. Turn lock 180° to engage compression, cam moves to final fixing position.
Provides a 7mm compression stroke.

Order No.	Finish	Insert driver	d_1	h_1	lh
A1601.AW0020	Chrome Plated	Square 8	28	5.5	31
A1601.AW0320	Black Coated	Square 8	28	5.5	31
A1601.AW0040	Chrome Plated	Triangle 7	28	5.5	31
A1601.AW0340	Black Coated	Triangle 7	28	5.5	31
A1601.AW0050	Chrome Plated	Triangle 8	28	5.5	31
A1601.AW0350	Black Coated	Triangle 8	28	5.5	31
A1601.AW0080	Chrome Plated	Slot (2x4)	28	5.5	31
A1601.AW0380	Black Coated	Slot (2x4)	28	5.5	31
A1601.AW0085	Chrome Plated	Hexagon 8	28	5.5	31
A1601.AW0385	Black Coated	Hexagon 8	28	5.5	31

Compression Latches - Flexi-System

insert driver - fixed grip - zinc





A1603

Material
Body & insert: stainless steel, AISI 304.
Insert fitted with O'ring to provide IP54 rating.
Shaft: steel, white zinc plated.
Not supplied: KEY - order separately.

Technical Notes
Order cam and key separately.
Cams: see suitable cam A0231 and A0233.
Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

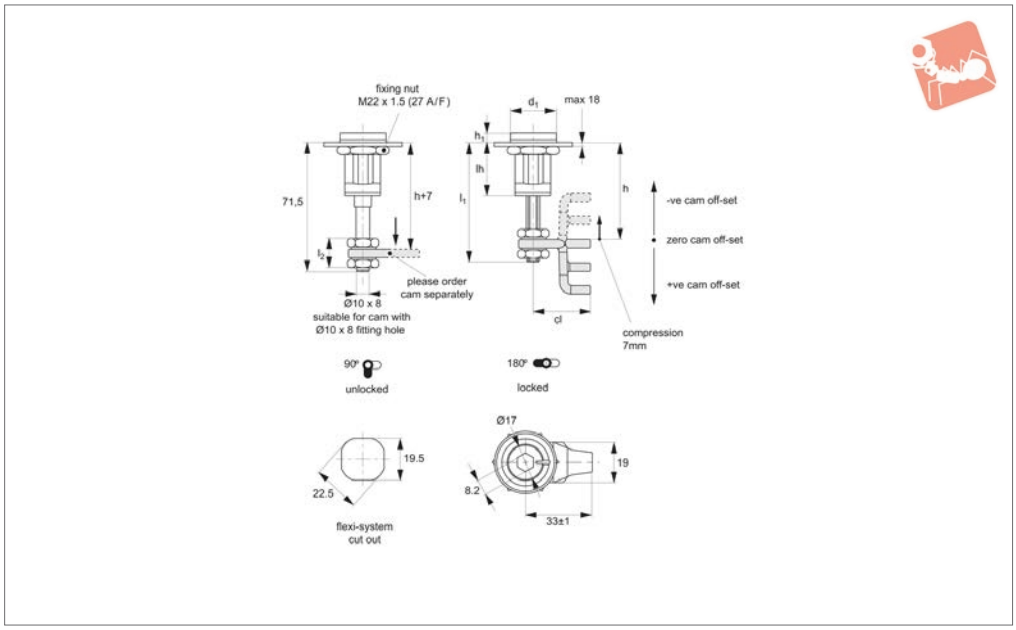
Tips
Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation.
Action:
From unlocked position, first 90° turn moves the cam to the locking position. Turn lock 180° to engage compression, cam moves to final fixing position.
Provides a 6mm compression stroke.

Order No.	Insert driver	Type	a	b	lh
A1603.AW0020	Square 8	Fixed Grip	28	5	38
A1603.AW0050	Triangle 8	Fixed Grip	28	5	38

Compression Latches - Flexi-System

insert driver - adjustable grip - zinc

A1611



Material

Body & insert: die cast zinc, chrome plate or black coated finish. Insert fitted with O'ring to provide IP54 rating.
Handle: polyamide.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.
Cams: see suitable cam A0231 and A0233. Select „without projection" cam type. Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

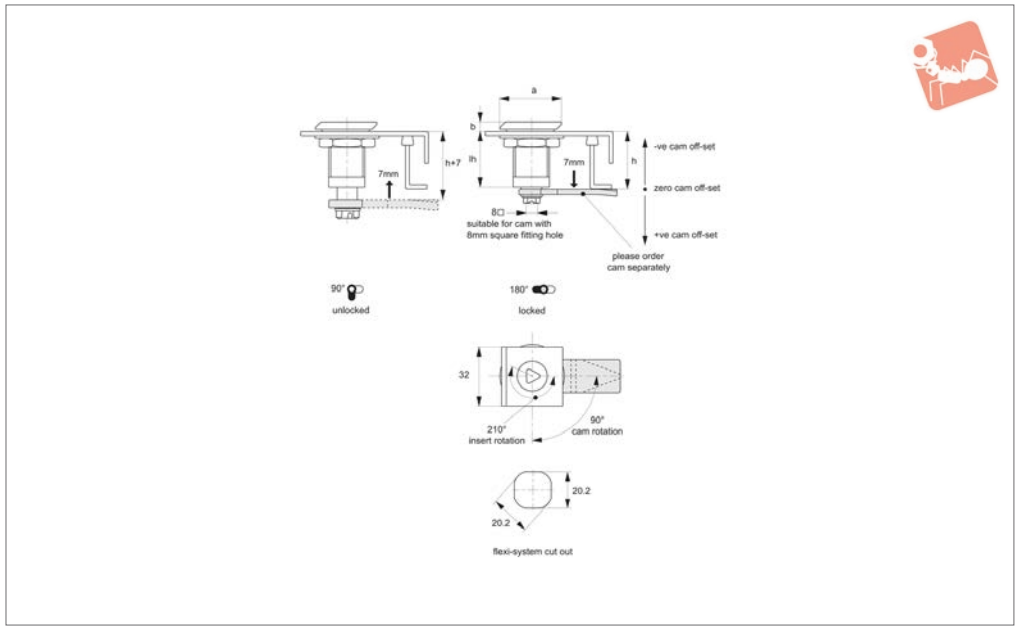
Tips

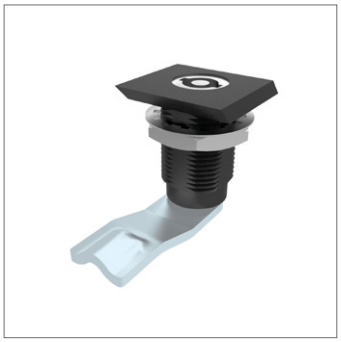
Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation. Adjustable grip type has an extended stem which can be cut in length to best suit your application.
Action:
From unlocked position, first 90° turn moves the cam to the locking position. Turn lock 180° to engage compression, cam moves to final fixing position.
Provides a 7mm compression stroke.

Important Notes

Cam: quarter turn to open or close. Locking function.

Order No.	Finish	Insert driver	d_1	h_1	lh	l_1	l_2 useful thread
A1611.AW0020	Chrome Plated	Square 8	28	4.5	32	64.5	15
A1611.AW0320	Black Coated	Square 8	28	4.5	32	64.5	15
A1611.AW0040	Chrome Plated	Triangle 7	28	4.5	32	64.5	15
A1611.AW0340	Black Coated	Triangle 7	28	4.5	32	64.5	15
A1611.AW0050	Chrome Plated	Triangle 8	28	4.5	32	64.5	15
A1611.AW0350	Black Coated	Triangle 8	28	4.5	32	64.5	15
A1611.AW0080	Chrome Plated	Slot (2x4)	28	4.5	32	64.5	15
A1611.AW0380	Black Coated	Slot (2x4)	28	4.5	32	64.5	15
A1611.AW0085	Chrome Plated	Hexagon 8	28	4.5	32	64.5	15
A1611.AW0385	Black Coated	Hexagon 8	28	5.5	31	64.5	15





A1620

Material

Body & insert: die cast zinc, black powder coated. Fitted with O'ring to provide IP54 rating.
Not supplied: CAM nor KEY - order separately.

Technical Notes

Order cam and key separately.

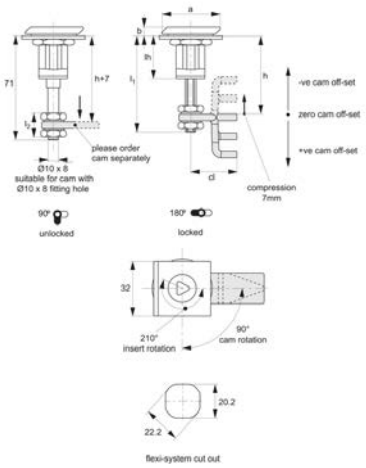
Cams: see suitable cam A0203 and A0224. Select „without projection" cam type. Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

Order No.	Insert driver	Type	a	b	lh
A1620.AW0020	Square 8	Fixed	34	5	32
A1620.AW0040	Triangle 7	Fixed	34	5	32
A1620.AW0050	Triangle 8	Fixed	34	5	32
A1620.AW0080	Slot (2x4)	Fixed	34	5	32
A1620.AW0085	Hexagon 8	Fixed	34	5	32

Compression Latches - Flexi-System

square face - adjustable grip - zinc

A1630



Material

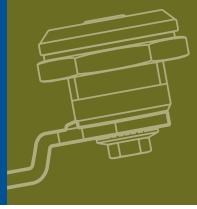
Body & insert: die cast zinc, black powder coated. Fitted with O'ring to provide IP54 rating.
Not supplied: CAM nor KEY - order separately.

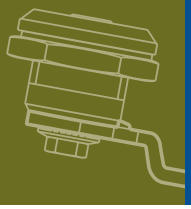
Technical Notes

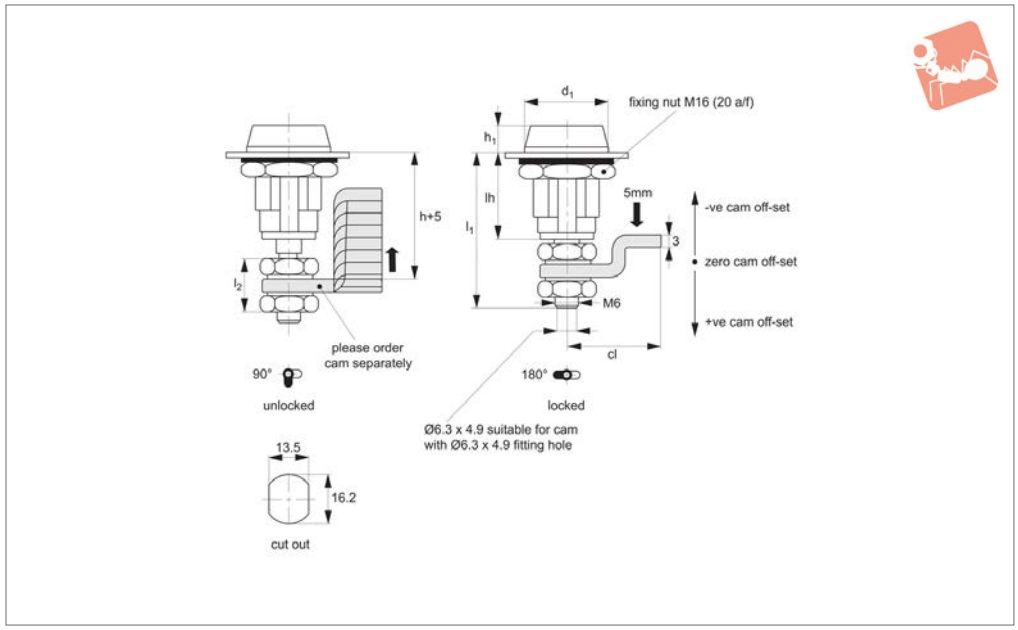
Order cam and key separately.

Cams: see suitable cam A0231 and A0233. Select „without projection" cam type. Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

Order No.	Insert driver	Type	a	b	lh	l_1	l_2 useful thread
A1630.AW0020	Square 8	Adjustable	34	5	64	38	15
A1630.AW0040	Triangle 7	Adjustable	34	5	64	38	15
A1630.AW0050	Triangle 8	Adjustable	34	5	64	38	15
A1630.AW0080	Slot (2x4)	Adjustable	34	5	64	38	15
A1630.AW0085	Hexagon 8	Adjustable	34	5	64	38	15







A1661

Material
Body & insert: die cast zinc, black paint coated.
Insert fitted with O'ring to provide IP54 rating.
Not supplied: CAM nor KEY: order separately.

Technical Notes
Suitable for material thickness 1-10mm.
Order keys separately.
Cam: see suitable cam A0234. Select „without projection" cam type.
Dimensions ch & cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of lock face and front of cam).
lh = body length of cam latch/lock to be used.
Keys: see A0102. For part A16661.AW0006 (Square 6) use key A0102.AW0306 only.

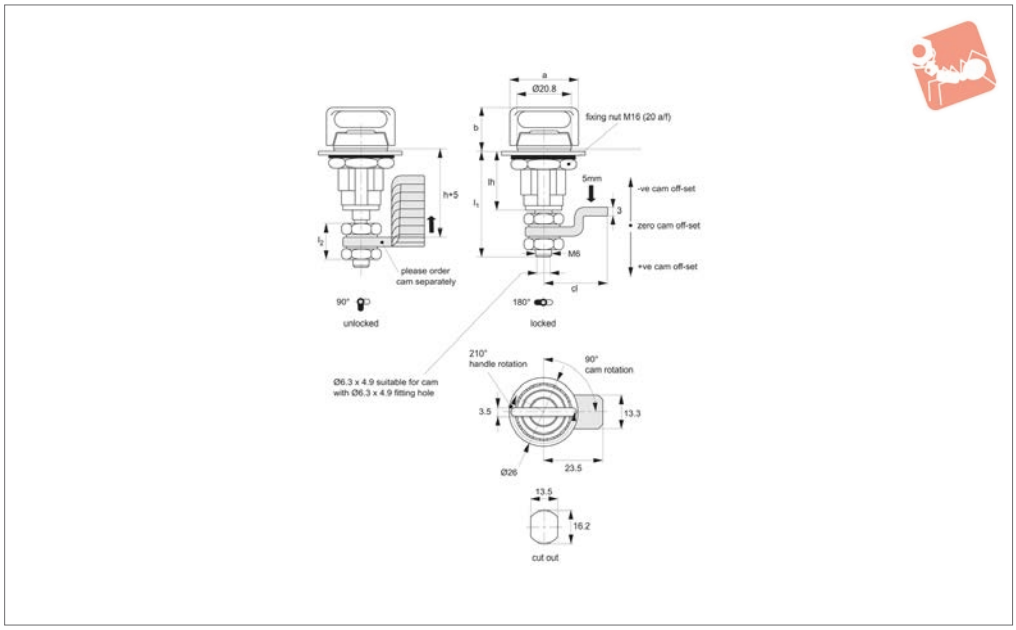
Tips
Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation. Adjustable grip type has an extended stem which can be cut in length to best suit your application.
Action:
From unlocked position, first 90° turn moves the cam to the locking position. Turn lock 210° to engage compression, cam moves to final fixing position.
Provides a 5mm compression stroke.

Order No.	Insert driver	d_1	h_1	lh	l_1	l_2 useful thread
A1661.AW0006	Square 6	20.8	6	22.5	38	15
A1661.AW0080	Slotted (2x4)	20.8	6	22.5	38	15

Mini Compression Latches

adjustable grip - wing handle - zinc

A1667



Material

Body & insert: die cast zinc, black paint coated. Fitted with O'ring to provide IP54 rating.

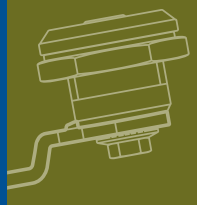
Technical Notes

Suitable for material thickness 1-10mm.
Cam: see suitable cam A0234. Select „without projection" cam type.
Dimensions ch & cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of lock face and front of cam).
lh = body length of cam latch/lock.
Keys: see A0102.

Tips

Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation. Adjustable grip type has an extended stem which can be cut in length to best suit your application.
Action:
From unlocked position, first 90° turn moves the cam to the locking position. Turn lock 210° to engage compression, cam moves to final fixing position.
Provides a 5mm compression stroke.

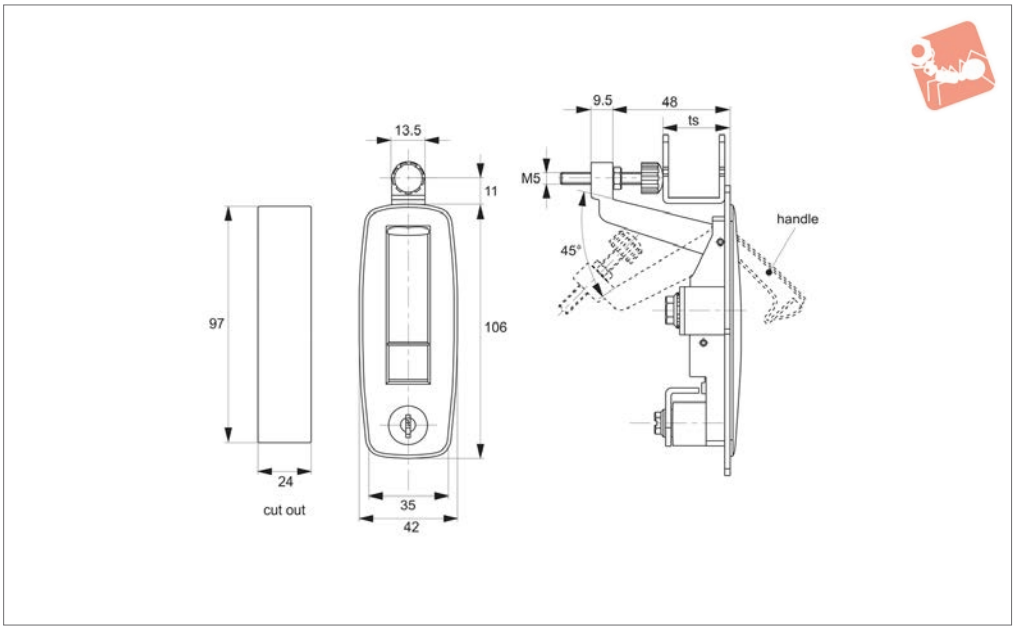
Order No.	Type	Actuation	a	b	lh	l_1	l_2 useful thread
A1667.AW0010	Fixed	Wing Handle	25.5	12	22.5	38	15



Compression Locks

lever latch - adjustable grip - flush trigger - zinc

A1701



Material

Body and handle and button: die cast zinc, black power coated.
Cylinder lock: die cast zinc.
Screw: steel, white zinc plated.
Supplied with: KEY.

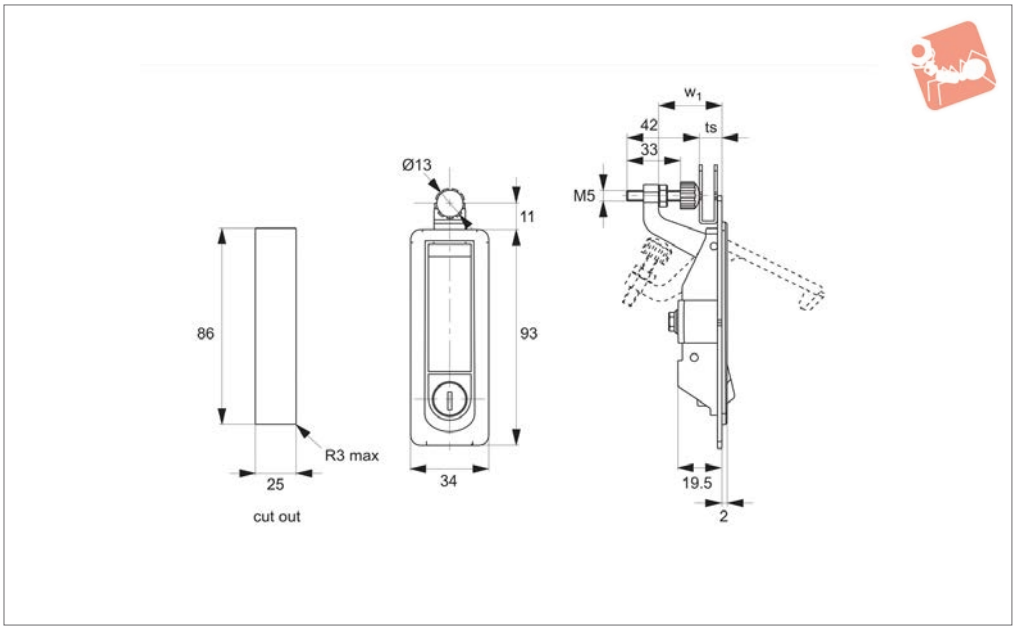
Technical Notes

Grip length can be adjusted via M5 clamping screw to suit your application.
Suitable for panel thickness 20-35mm. For installation cut out see diagram.

Tips

Quick-open, easy assembling, by adjusting screw meets the needs of distance control.

Order No.	Finish	Lock type	ts grip adj.
A1701.AW0310	Black Coated	Std. Cylinder	20-35



A1707

Material
Body and handle and button: die cast zinc, black power coated.
Cylinder lock: die cast zinc.
Screw: steel, white zinc plated.
Supplied with: KEY.

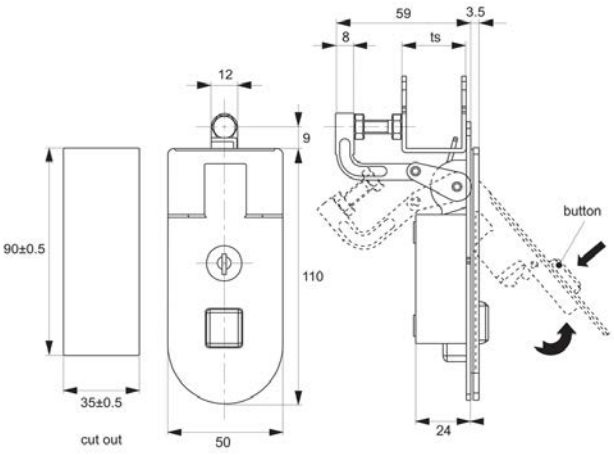
Technical Notes
Grip length can be adjusted via screw between 1 and 20mm. Suitable for panel thickness 1-20mm.

Order No.	Finish	Lock type	ts grip adj.	w_1
A1707.AW0710	Black Coated	Std. Cylinder with Keyed Alike	1-20	29
A1707.AW0720	Black Coated	Blank - No Lock	1-20	29
A1707.AW0910	Black Coated	Std. Cylinder with Keyed Alike	17-40	50
A1707.AW0920	Black Coated	Blank - No Lock	17-40	50

Compression Locks

lever latch - adjustable grip - zinc

A1751



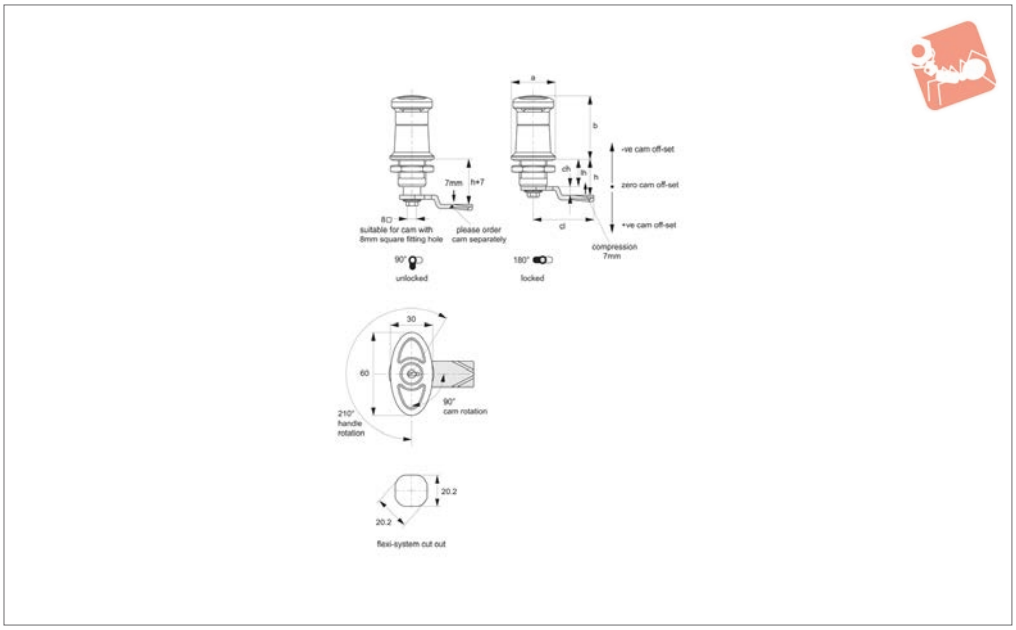
Material
Body and handle: die cast zinc, black power coated.
Cylinder lock: die cast zinc.
Screw: steel, white zinc plated.

Supplied with: KEY.

Technical Notes
Grip adjustment 31-48mm.

Tips
Quick-open, easy assembling. Grip length can be adjusted via clamping screw to suit your application.

Order No.	Finish	Lock type	ts grip adj.
A1751.AW0310	Black Coated	Std. Cylinder	31-48



A1801

Material
Body & handle: die cast zinc, nanometer coated.
Supplied with: Key.
Not supplied: CAM - order separately.

Technical Notes
Order cam and key separately.
Cams: see suitable cam A0203 and A0224. Select „without projection“ cam type.

Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

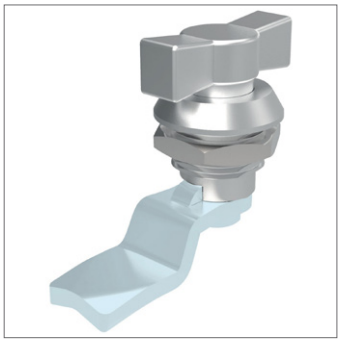
Keys: see A0102.

Tips
Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation.
Action:
210° handle rotation, 90° cam rotation.

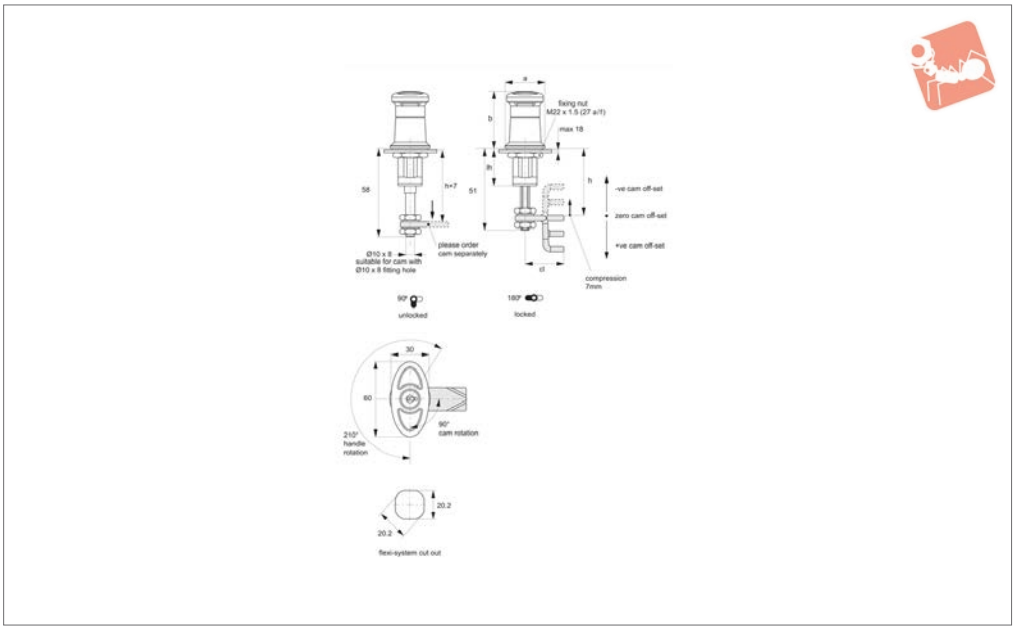
Order No.	Lock type	a	b	lh
A1801.AW0032	Std. Cylinder	32	46	18
A1801.AW0132	Blank - No Lock	32	46	18

Compression Lock - T-handle

T-handle - adjustable grip - zinc



A1810



Material

Body & handle: die cast zinc, nanometer coated.
Shaft: steel, white zinc plated.
Supplied with: Key.
Not supplied: CAM - order separately.

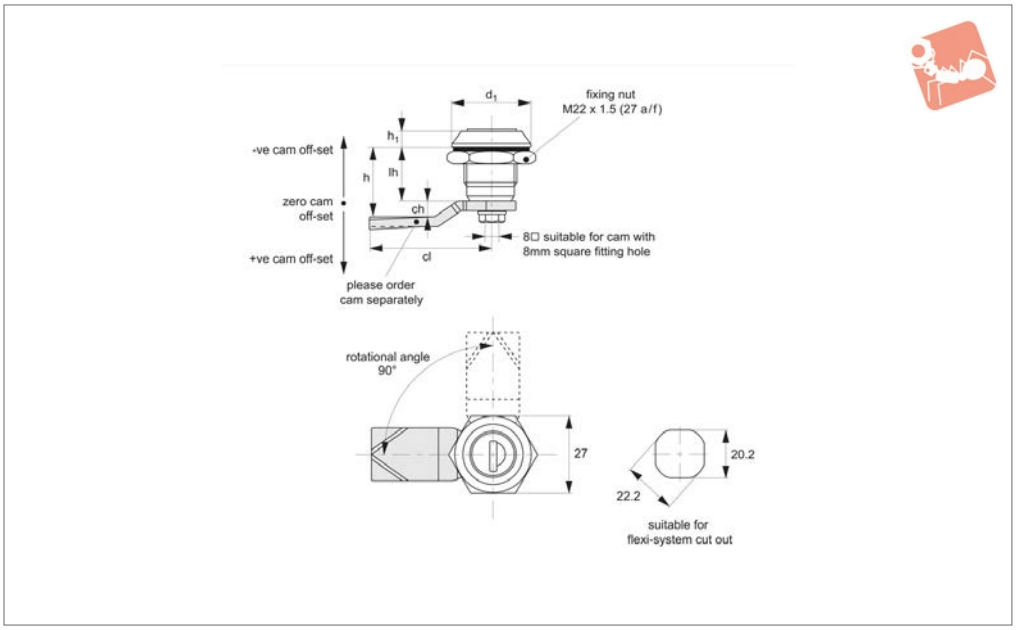
Technical Notes

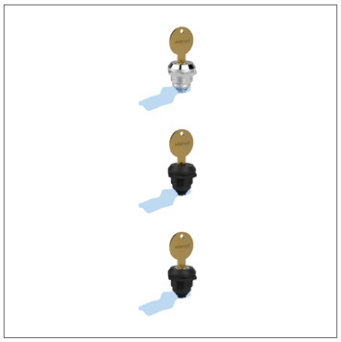
Order cam and key separately.
Cams: see suitable cam A0231 and A0233.
Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Keys: see A0102.

Tips

Compression locks provide sealing of enclosures to reduce vibration and to provide noise isolation.
Adjustable grip type has an extended stem which can be cut in length to best suit your application.
Action:
210° handle rotation, 90° cam rotation.
Provides a 7mm compression stroke.

Order No.	Lock type	a	b	lh
A1810.AW0032	Std. Cylinder	32	46	18
A1810.AW0132	Blank - No Lock	32	46	18





A2001

Material

Type one & Two: Body: die cast zinc, finished in chrome plate or black powder coating.
Cylinder lock: die cast zinc, chrome plated.
Type Three: Body: polyamide.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: CAM - order separately.

Technical Notes

Order cam separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

Quarter turn opening or closing.
Universal left and right application.

Important Notes

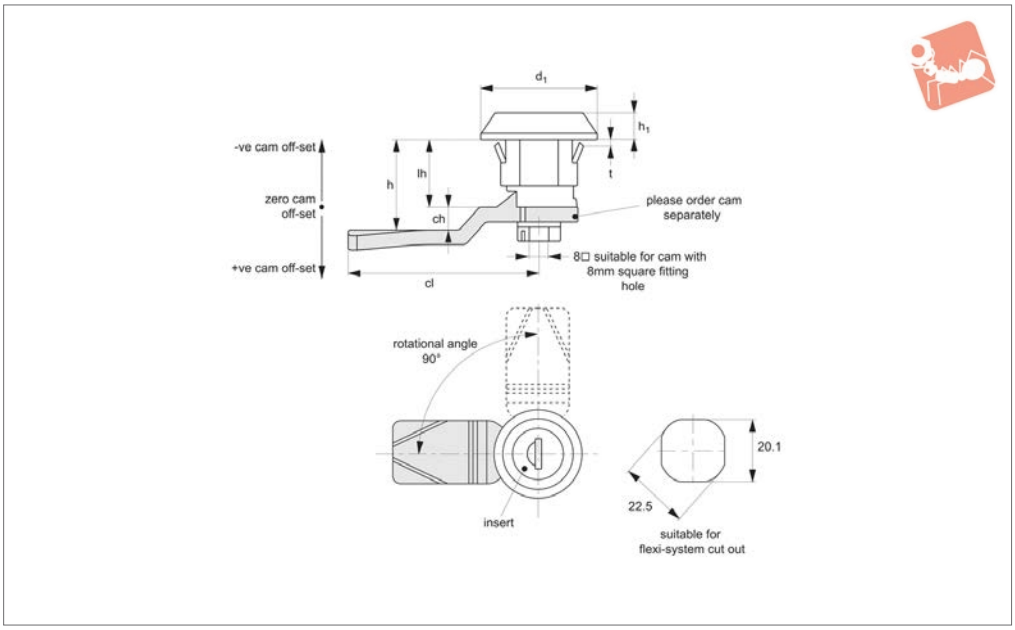
Sold subject to pack quantity.

Order No.	Type	Body finish	Key type	d_1	h_1	lh
A2001.AW0010	One	Chrome Plated	Keyed Alike	28.0	6	20
A2001.AW0310	Two	Black Coated	Keyed Alike	28.0	6	18
A2001.AW0320	Two	Black Coated	Keyed to Differ	28.0	6	18
A2001.AW0330	Two	Black Coated	Euro	30.0	6	18
A2001.AW0510	Three	Plastic, Black	Keyed Alike	28.0	6	18
A2001.AW0520	Three	Plastic, Black	Keyed to Differ	28.0	6	18

Cam Locks - Snap in - Flexi-System

cylinder lock, fixed grip, plastic

A2003



Material

Cylinder lock: die cast zinc, chrome plated.

Technical Notes

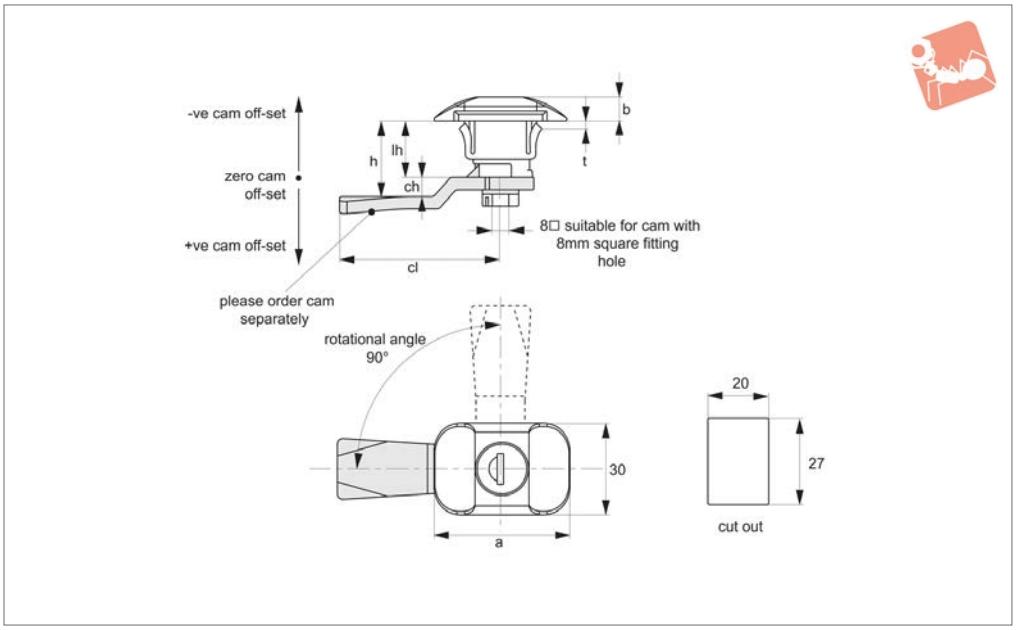
Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „with projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Suitable for panel thickness 0,8-1,5mm

Keys: see A0102.

Tips

Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Order No.	Key	d_1	h_1	t	lh
A2003.AW0010	Keyed Alike	30.0	7.5	0,8-1,5	18
A2003.AW0030	Euro Key	30.0	7.5	0,8-1,5	18



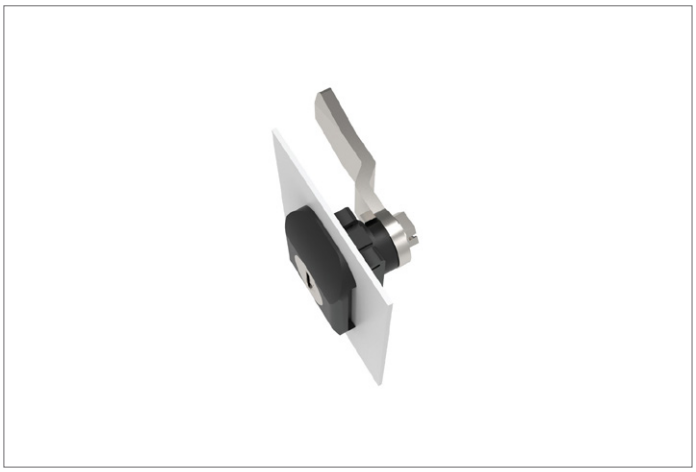
A2005

Material
Cylinder lock: die cast zinc, chrome plated.

Technical Notes
Order cam and key separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „with projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Sutiable for panel thickness 0,8-2mm
Keys: see A0102.

Tips
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

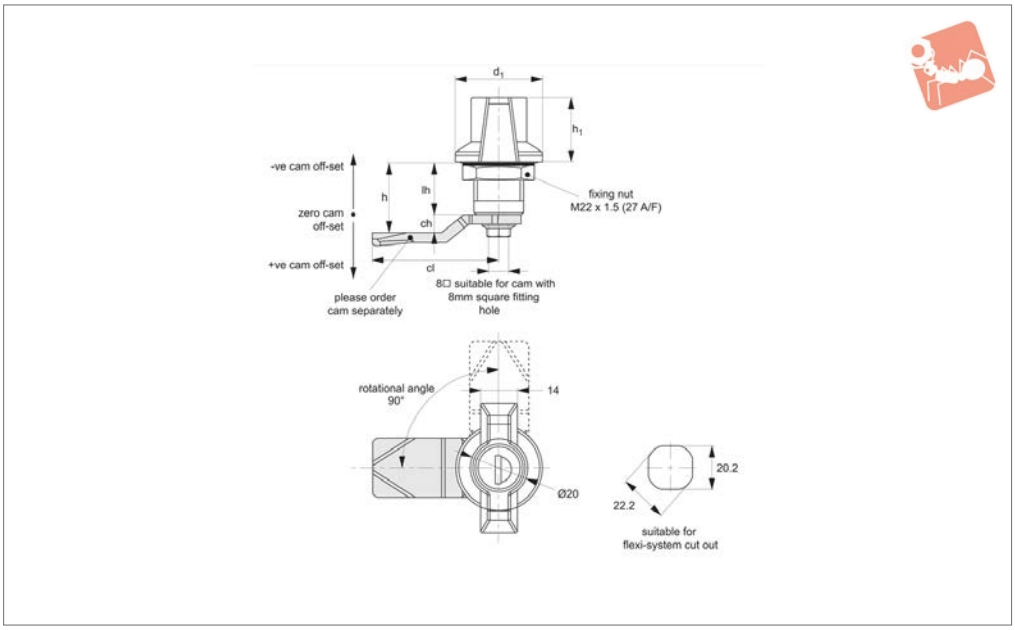
Order No.	Key type	a	b	t	lh
A2005.AW0010	Keyed Alike	43.0	7.5	0,8-2	17.8
A2005.AW0030	Euro Key	43.0	7.5	0,8-2	17.8



Cam Locks - Wing Handle

flexi-system - fixed grip - zinc

A2203



Material

Body & insert: die cast zinc, finished in chrome plate or black powder coating.
Fitted with O'ring to provide IP54 rating.
Cylinder lock: die cast zinc, chrome plated.
With dust cap to prevent material ingress.
Supplied with: Keys: two per lock.
Not supplied: CAM - order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

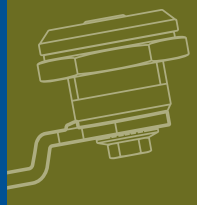
Tips

Quarter turn opening or closing.
Wings act as actuation handle.
Universal left and right.

Important Notes

Sold subject to pack quantity.

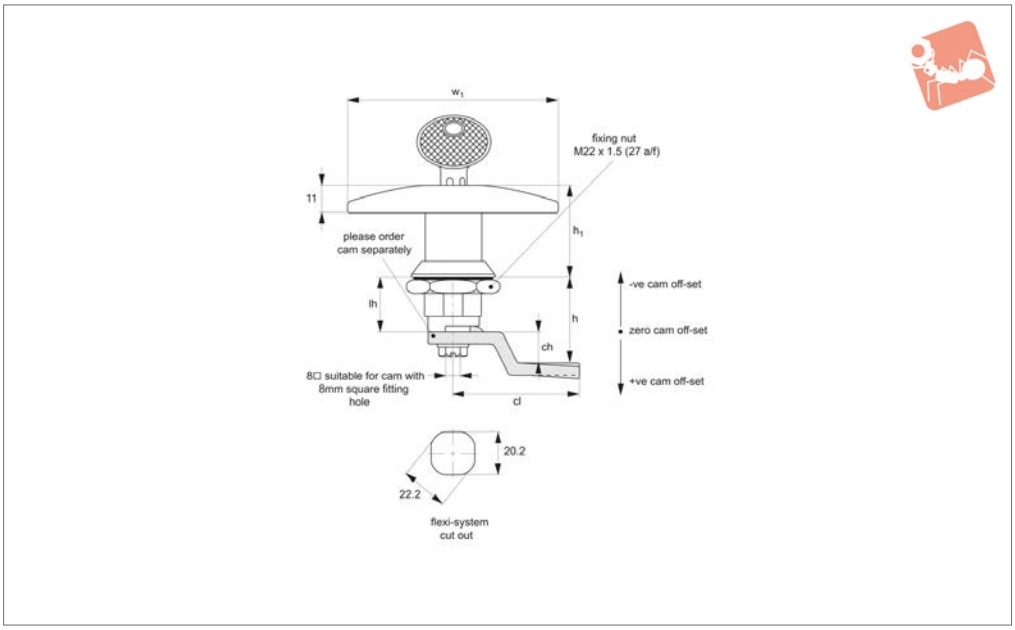
Order No.	Body finish	Key type	d_1	h_1	lh
A2203.AW0010	Chrome	Keyed Alike	30.5	23.6	18
A2203.AW0020	Chrome	Keyed to Differ	30.5	23.6	18
A2203.AW0310	Black Coated	Keyed Alike	30.5	23.6	18
A2203.AW0320	Black Coated	Keyed to Differ	30.5	23.6	18



Cam Locks - Flexi-System

T-handle - fixed grip

A2503



Material

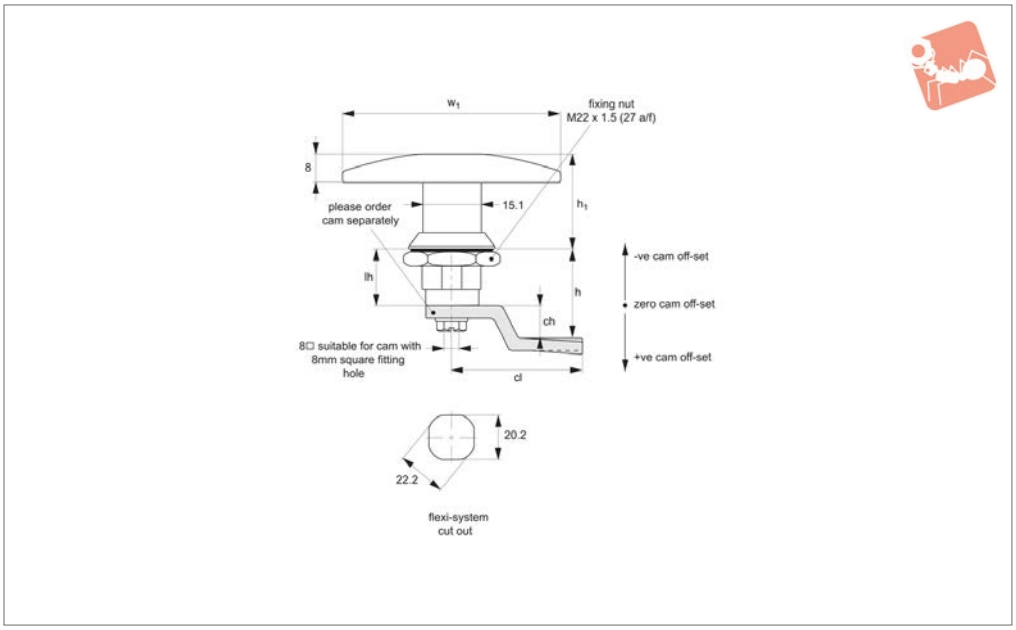
Type one & two: Body: die cast zinc. Finished in chrome plate or black powder coating.
Cylinder lock: die cast zinc, chrome plated. IP65/NEMA 4 rated.
Supplied with: Nut: steel, zinc plated. Sealing washer: PU & Rubber.
Keys: two per lock.

Not supplied: Cam: order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, and A0240. Select „with projection" cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Body finish	Key type	w_1	h_1	lh
A2503.AW0110	Chrome Plated	Keyed Alike	78	37	18
A2503.AW0120	Chrome Plated	Keyed to Differ	78	37	18
A2503.AW0310	Black Coated	Keyed Alike	78	37	18
A2503.AW0320	Black Coated	Keyed to Differ	78	37	18



A2504

Material

Body: die cast zinc, black powder coated. Fitted with O'ring to achieve IP54 rating.
Not Supplied Cam: steel, white zinc-plated.

Technical Notes

Order cam separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;

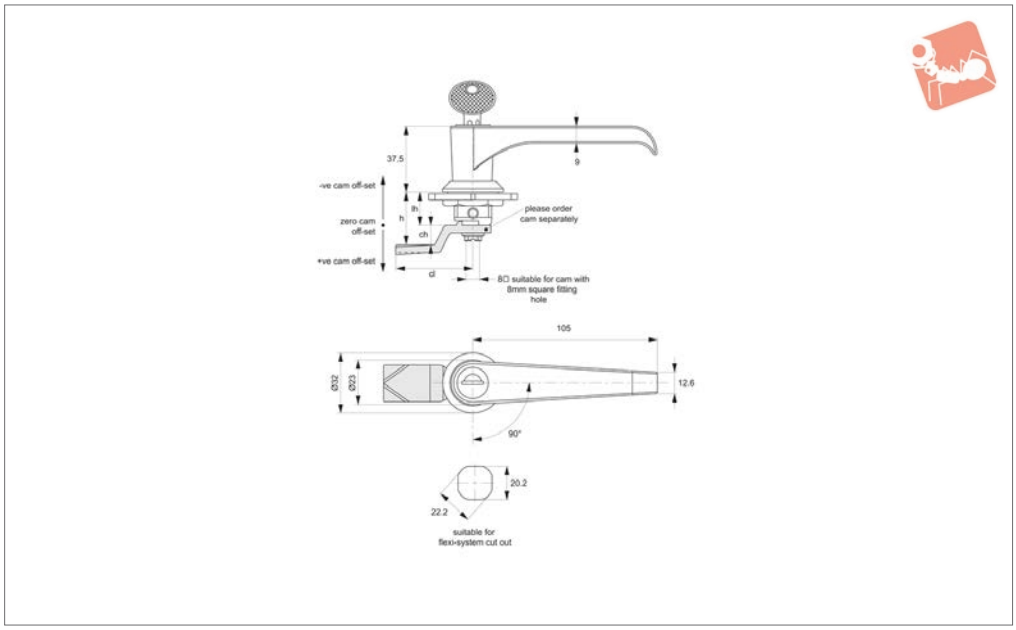
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Key type	w_1	h_1	lh
A2504.AW0318	Blank - No Lock	60	30	18
A2504.AW0328	Blank - No Lock	60	30	28
A2504.AW0336	Blank - No Lock	60	30	36
A2504.AW0362	Blank - No Lock	60	30	62

Cam Lock - Flexi System

L-handle - fixed grip

A2523



Material

Body: die cast zinc, finished in chrome plate or black powder coating.
Cylinder lock: die cast zinc, chrome plated.
Supplied With: Nut: steel, zinc plated.
Keys: two per lock.
Not Supplied: Cam: order separately.

Technical Notes

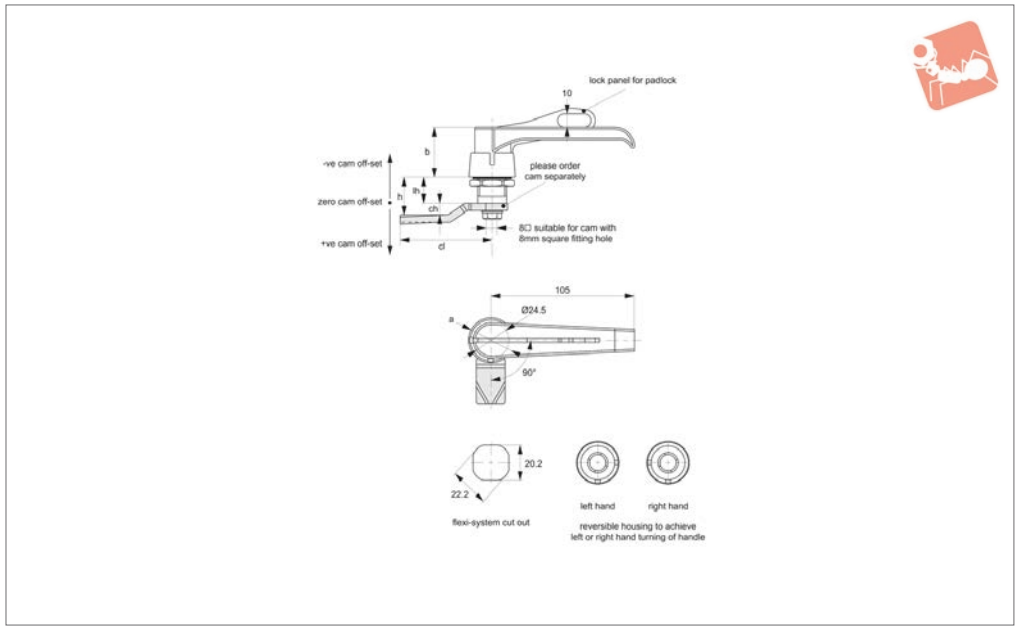
Order cam separately.

Cams: see suitable cam A0203, and A0240. Select „with projection" cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

Disc tumbler cylinder locks with stainless dust cap, to prevent material ingress.
Universal left and right.

Order No.	Body finish	Key type	d_1	lh
A2523.AW0110	Chrome Plated	Keyed Alike	32	18
A2523.AW0120	Chrome Plated	Keyed to Differ	32	18
A2523.AW0310	Black Coated	Keyed Alike	32	18
A2523.AW0320	Black Coated	Keyed to Differ	32	18
A2523.AW4110	Stainless Steel	Keyed Alike	32	18



A2526

Material

Type One: Body & handle: die cast zinc, black coated. Fitted with O'ring to achieve IP54 rating.
Type Two: Body & handle: stainless steel.
Not Supplied: CAM - order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

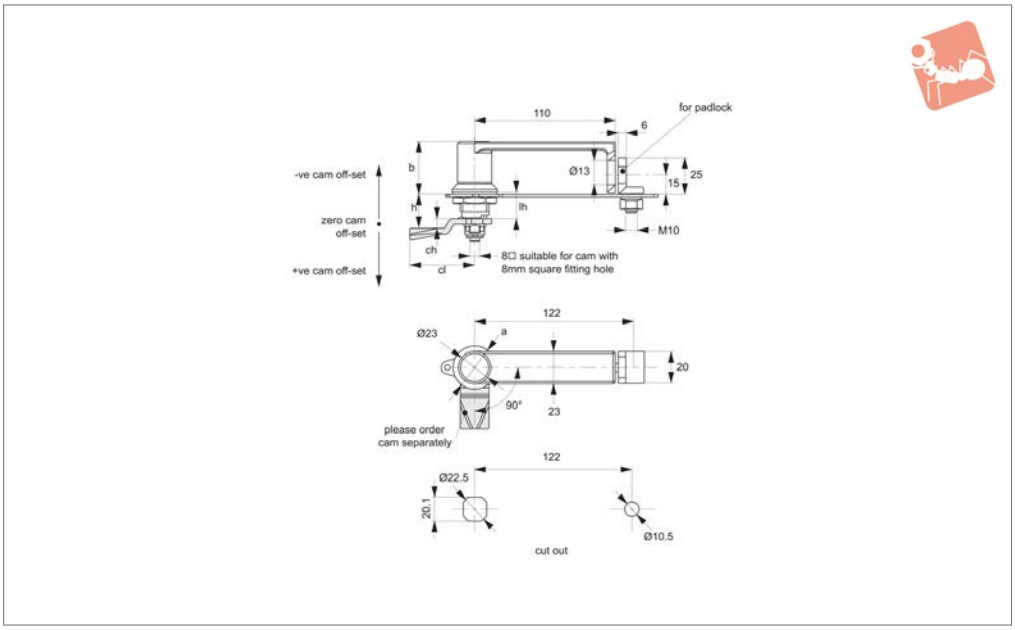
Quarter-turn opening or closing, padlockable. Reversible housing allows for left or right hand turning of handle.

Order No.	Body finish	Type	a	b	lh
A2526.AW0010	Black Coated	Padlockable	32	36	18
A2526.AW0020	Stainless Steel	Padlockable	32	36	18

Cam Lock - Flexi-System

L-handle - padlockable - zinc

A2528



Material

Body: die cast zinc, black powder coated.
Handle & lock panel: aluminium, black powder coated.
Not Supplied: Cam: order separately.

Technical Notes

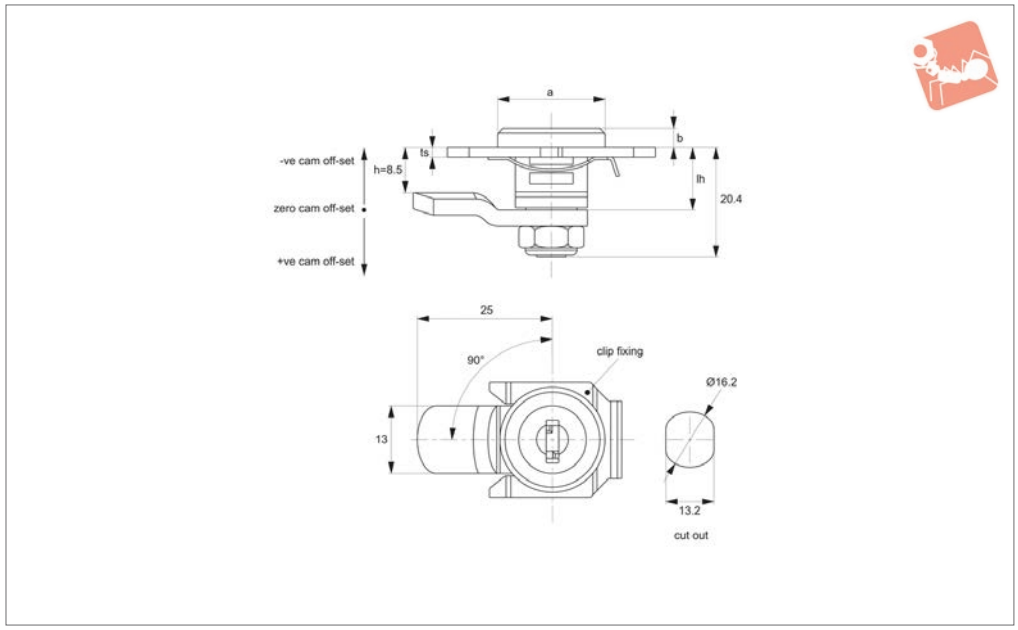
Order cam separately.
Cams: see suitable cam A0203, and A0240. Select „with projection“ cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

Suitable for padlocks with max. 13mm dia. shackle.
L- handle padlockable to fixed plate on enclosure for extra security.

Order No.	Body finish	Type	a	b	lh
A2528.AW0018	Black Coated	Padlockable	32	35	18

Cam Lock - Clip Fixing
fixed grip - zinc



A2324

Material
Body & insert: die cast zinc, pocked black powder coated.
Supplied with: Keys: two per lock.
Cam: zinc plated steel.

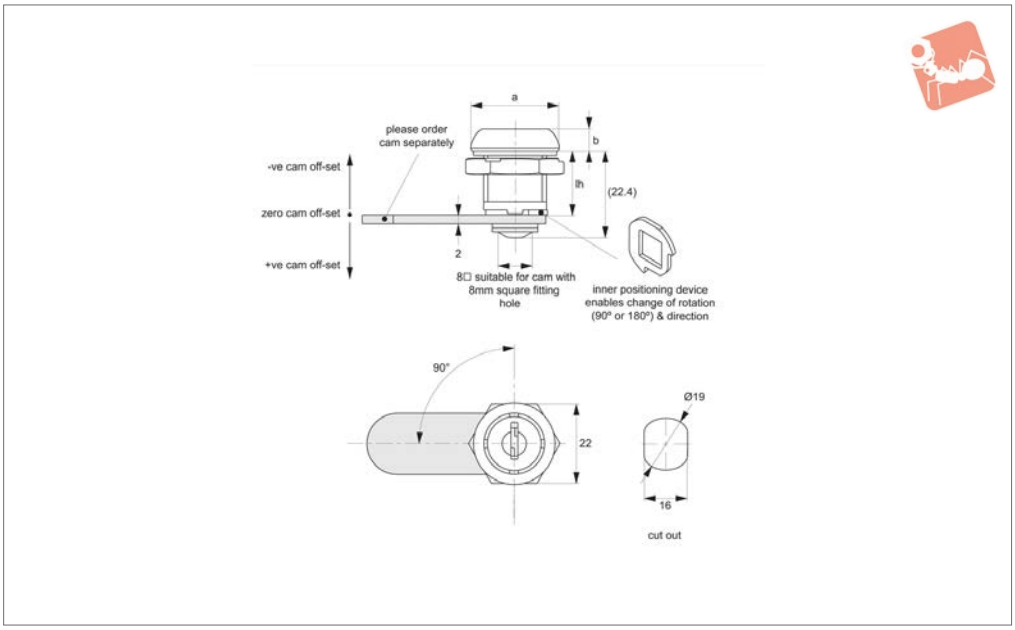
Technical Notes
For panel thickness 1.5-5mm. Dimensions ch & cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/ height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Order No.	Key type	a	b	lh	ts
A2324.AW0010	Keyed Alike	19.5	3.5	11.5	1,5-5

Mini Cam Lock

fixed grip - plastic/stainless

A2326



Material

Body & inset: plastic.
Cap: stainless steel, mirror polished.
Nut: die cast zinc, white zinc plated. Screw: steel, white zinc plated.
Supplied with:
Keys: two per lock.

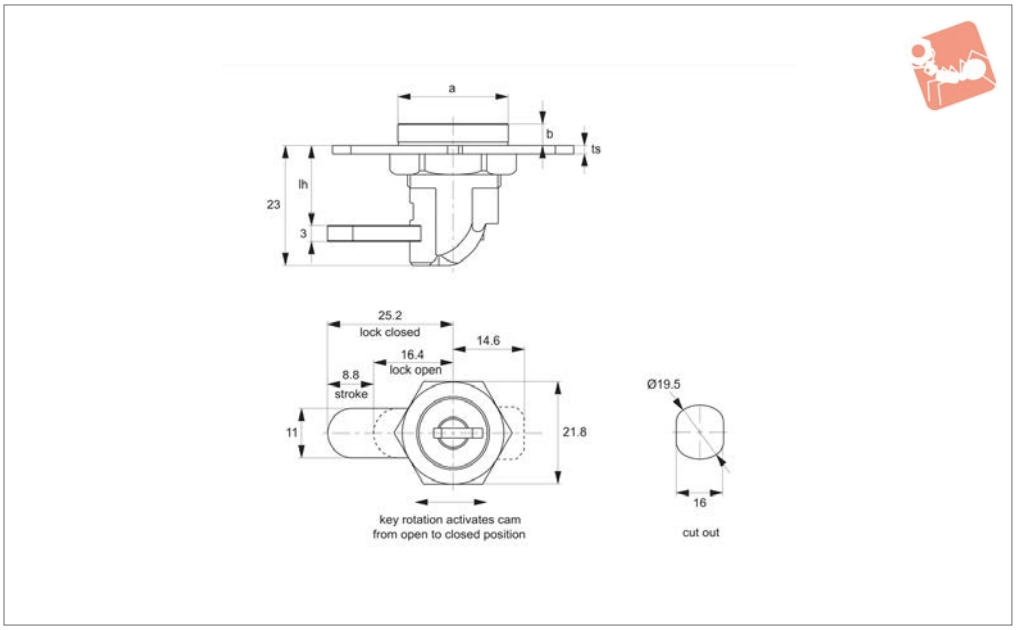
Technical Notes

Order cam separately.
Suitable for use with cam A2326.AW0999

Tips

Lock has inner positioning device which can be manipulated to give either 90° or 180° lock rotation, and to can change direction of rotation.

Order No.	Key type	Rotation	a	b	lh
A2326.AW0010	Keyed Alike	90	22.8	5.8	16.5
A2326.AW0020	Keyed Alike	180	22.8	5.8	16.5
A2326.AW0999	Cam	-	-	-	-



A2328

Material
Body & insert: zinc die cast, black painted.
Supplied with: Cam: steel, white zinc plated.

Keys: two supplied per lock.

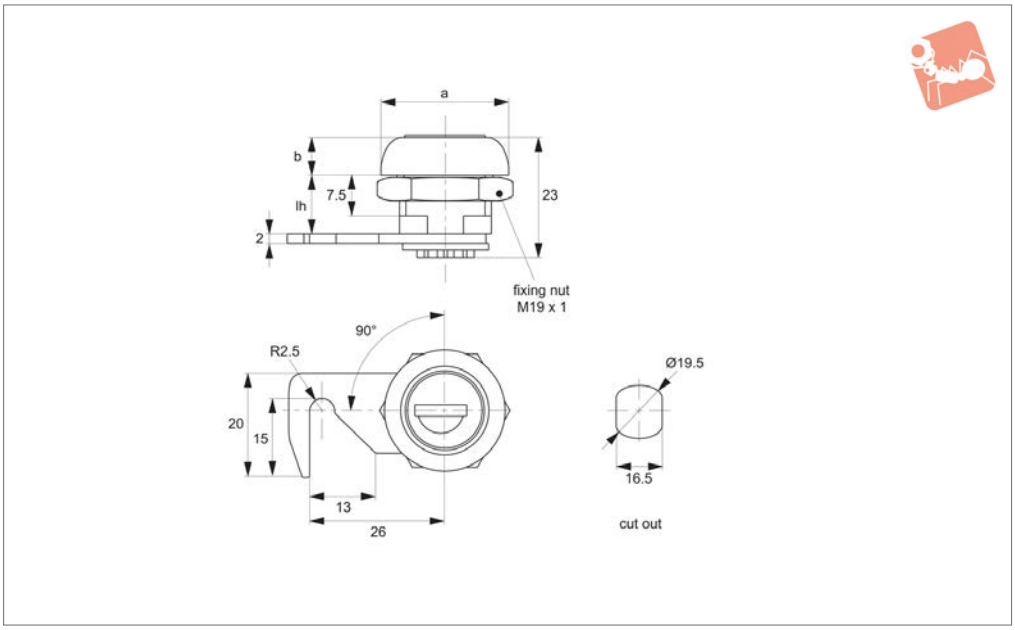
Tips
Actuation of lock by turning key 180°. The cam extends to lock and retracts to open. Cam has effective stroke of 8,8mm.

Order No.	Key type	a	b	lh
A2328.AW0010	Keyed Alike	21.6	4	15

Mini Cam Lock

hooked cam - fixed grip - zinc

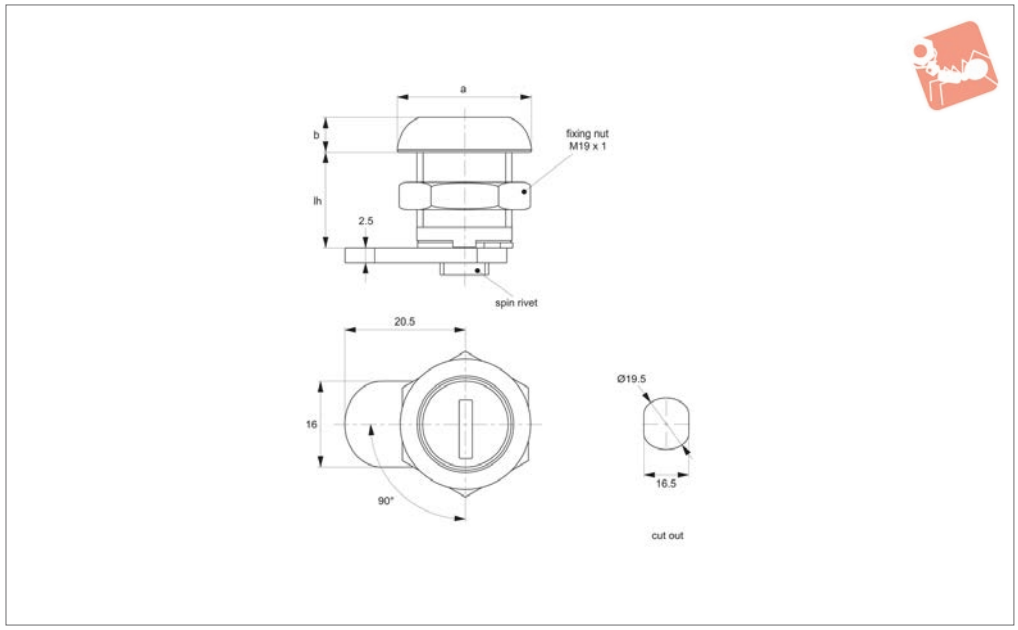
A2330



Material
Body: zinc die cast, bright chrome plated.
Supplied with: Cam: steel, white zinc plated. Keys: supplied two per lock.

Technical Notes
Hooked cam allows locking by rotation on to fixed point on frame.

Order No.	Key type	a	b	lh
A2330.AW0010	Keyed Alike	24.0	7.2	11
A2330.AW0020	Keyed to Differ	24.0	7.2	11



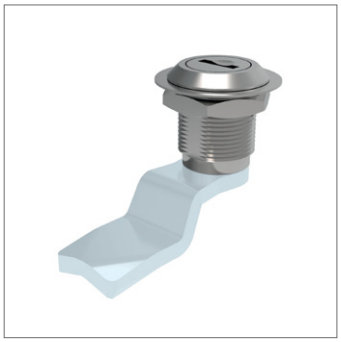
A2331

Material
Body: zinc die cast, white zinc plated.
Supplied with: Cam: steel.
Keys: two per lock.

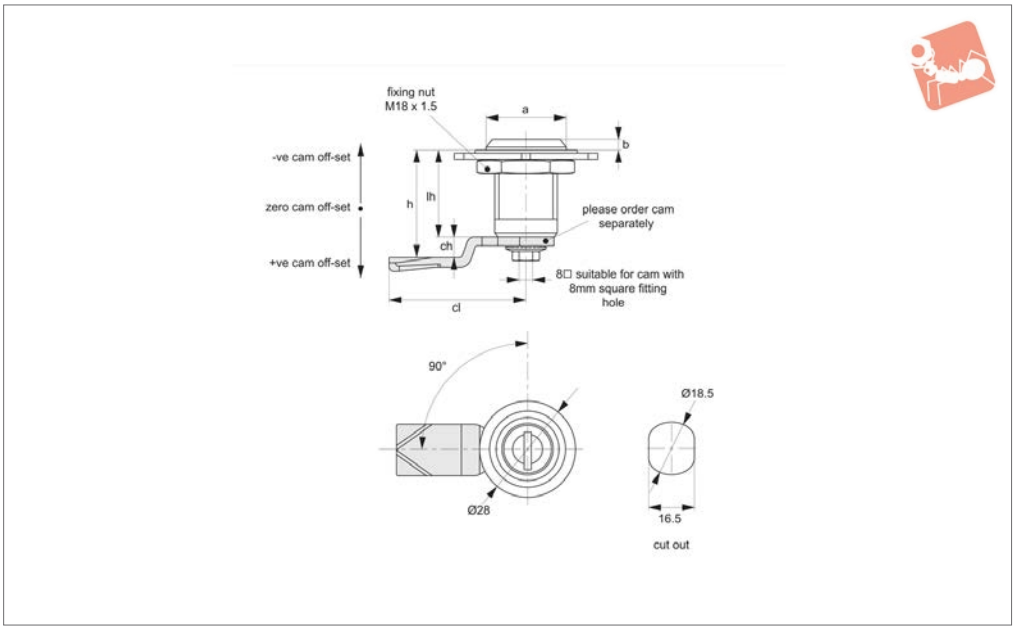
Tips
Quarter turn opening or closing. Ideal for use in metal cabinets, drawers and machinery covers etc.
Due to compact size of cam and lock body there is no need to remove cam during installation.
Keyed to differ model has a max. 100 key combinations.

Order No.	Key type	a	b	lh
A2331.AW0010	Keyed Alike	23.0	6	16
A2331.AW0020	Keyed to Differ	23.0	6	16

Mini Cam Lock
fixed grip - zinc



A2333



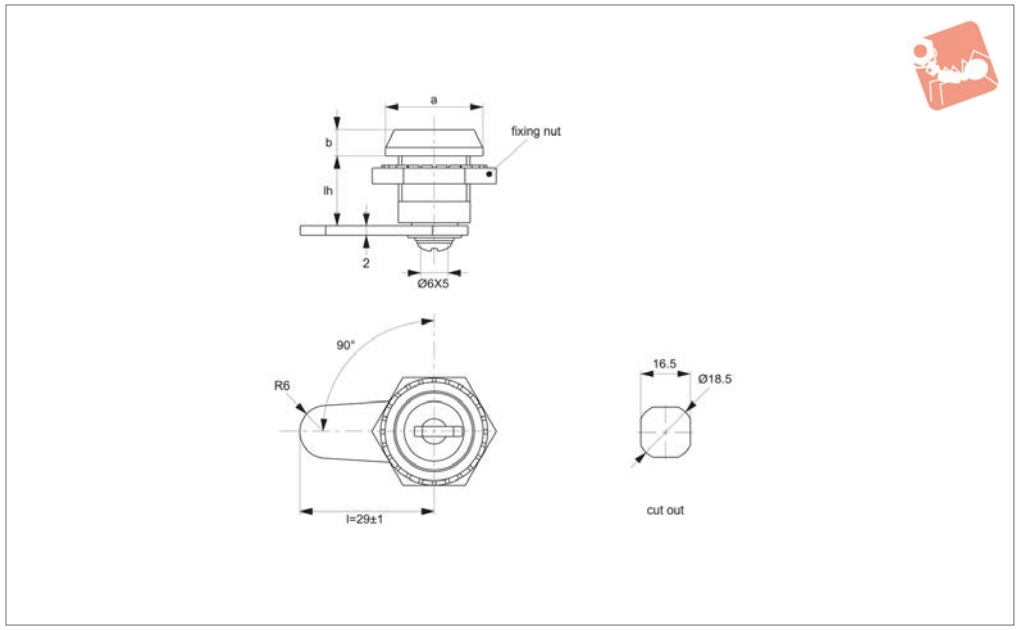
Material
Body & insert: zinc die cast, bright chrome plated.
Supplied with: Cam: steel, white zinc plated.
Keys: two per lock.

Technical Notes
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips
Quarter turn opening or closing. Ideal for use in metal cabinets, drawers and machinery covers etc.
Due to compact size of cam and lock body there is no need to remove cam during installation.

Order No.	Key type	a	b	lh
A2333.AW0010	Keyed Alike	22.5	3	16
A2333.AW0110	Keyed Alike	22.5	3	20
A2333.AW0210	Keyed Alike	22.5	3	30
A2333.AW0120	Keyed to Differ	22.5	3	20
A2333.AW0020	Keyed to Differ	22.5	3	16
A2333.AW0220	Keyed to Differ	22.5	3	30



A2340

Material
Body & insert: zinc die cast, bright chrome plated.
Supplied with: Cam: steel, white zinc plated. Keys: two per lock.

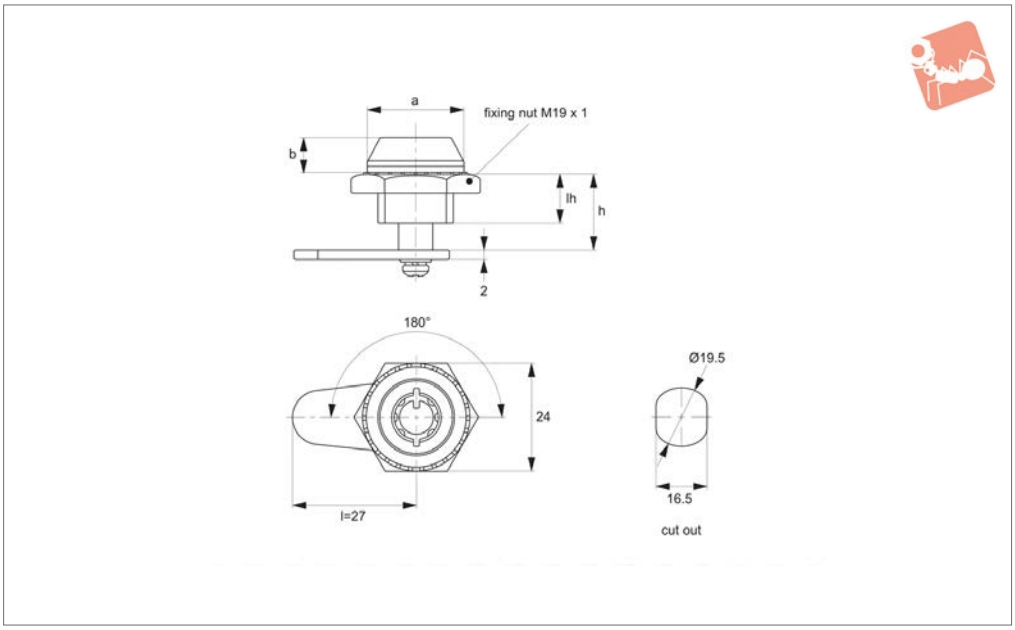
Tips
Quarter turn opening or closing. Ideal for use in metal cabinets, drawers and machinery covers etc.
Due to compact size of cam and lock body there is no need to remove cam during installation.

Order No.	Key type	a	b	lh
A2340.AW0010	Keyed Alike	22.0	6	15

Cam Lock - Radial Key

fixed grip - zinc

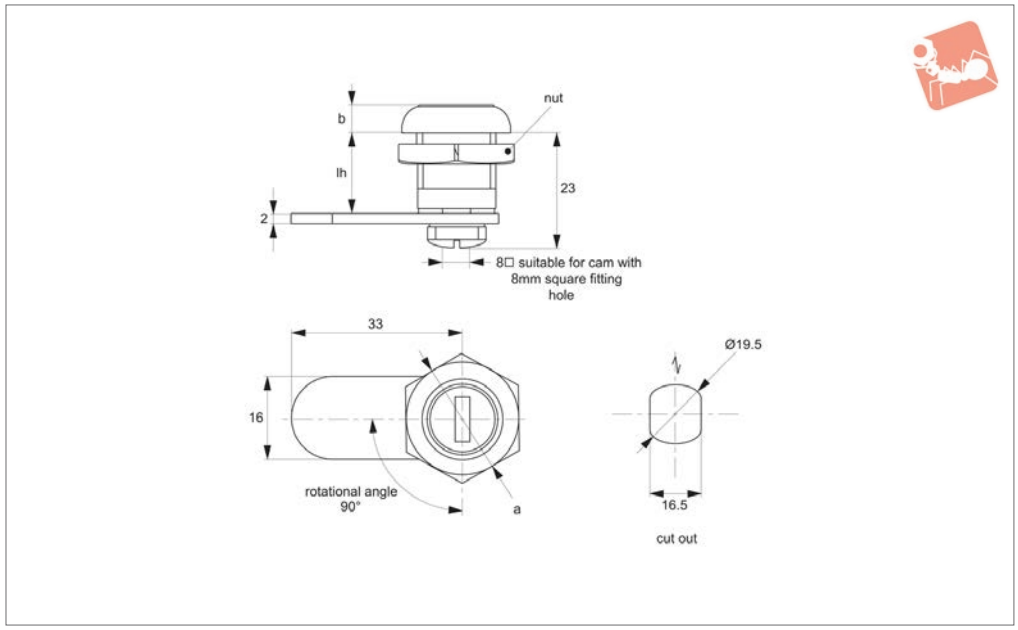
A2342



Material
Body & insert: zinc die cast, bright chrome plated.
Supplied with: Cam: steel, white zinc plated. Keys: two per lock.

Tips
180° rotation opening and closing. Radial key offers extra security.

Order No.	Key type	a	b	h	lh
A2342.AW0022	Radial Key	22.0	7.5	19	13



A2383

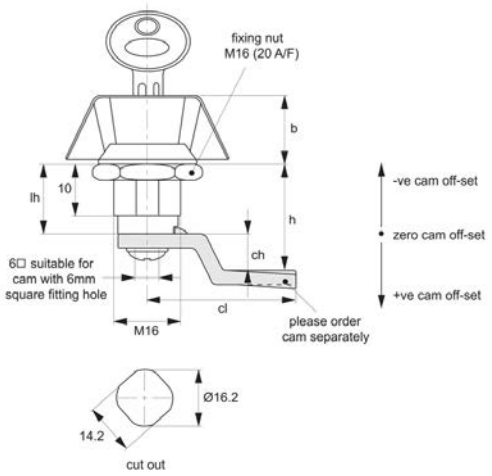
Material
Body & insert: die cast zinc, bright chrome plated.
Fixed grip: zinc.
Supplied with: Nuts, Cam and Keys: two per lock.

Tips
Ideal for use in metal cabinets, drawers and machinery covers etc.
Due to compact size of cam and lock body there is no need to remove cam during installation.
Keyed to differ model has a max. 100 key combinations.
Type Three - 90° key rotation, key non-removable when in unlocked position.
Quarter-turn opening. Locks have dust cover.

Order No.	a	b	lh
A2383.AW0010	22.0	5.5	15.5

Mini Cam Locks
wing handle - fixed grip - zinc

A2390



Material
Black painted ZDC housing and handle, white zinc plated cam.
Supplied with: Keys: two per lock. Nut - steel, zinc plated.
Not supplied: CAM - order separately.

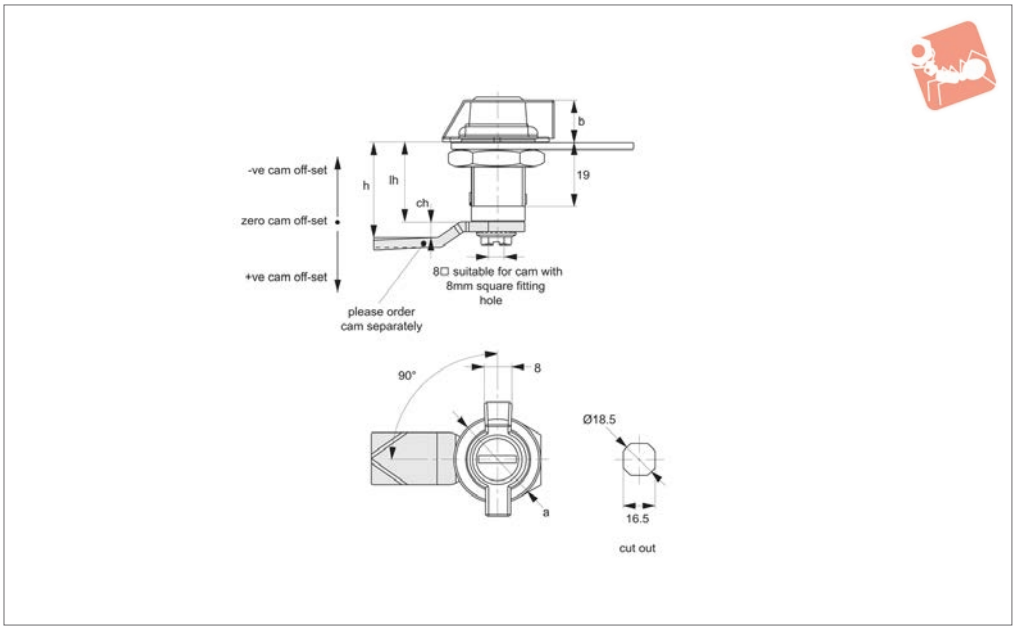
Technical Notes
Order cam separately.

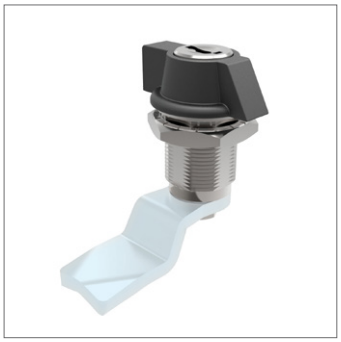
Cams: see suitable cam A0261. Select „with projection" cam type to prevent cam rotating over 45°.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.

h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Important Notes
Sold subject to pack quantity.

Order No.	Key type	Type	Body finish	b	lh
A2390.AW0010	Keyed Alike	Type One	Chrome Plated	14.5	13.0
A2390.AW0020	Keyed Alike	Type Two	Black Coated	14.5	13.0





A2392

Material
Body & handle: die cast zinc, black coated.
Supplied With: Keys: two per lock.
Not supplied: Cam: order separately.

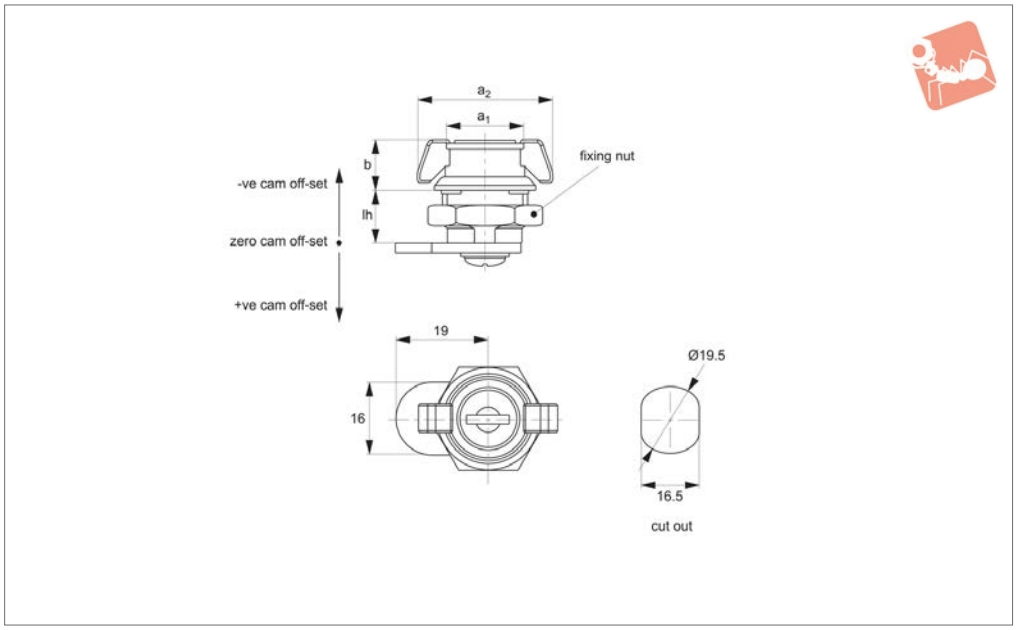
Technical Notes
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Key type	a	Body finish	b	lh
A2392.AW0010	Keyed Alike	25.0	Chrome Plated	13	24
A2392.AW0020	Keyed Alike	25.0	Black Coated	13	24

Mini Cam Lock

wing handle - fixed grip - short cam

A2393



Material
Housing and insert: die cast zinc.
Cam: steel.
Supplied With: cam and keys.

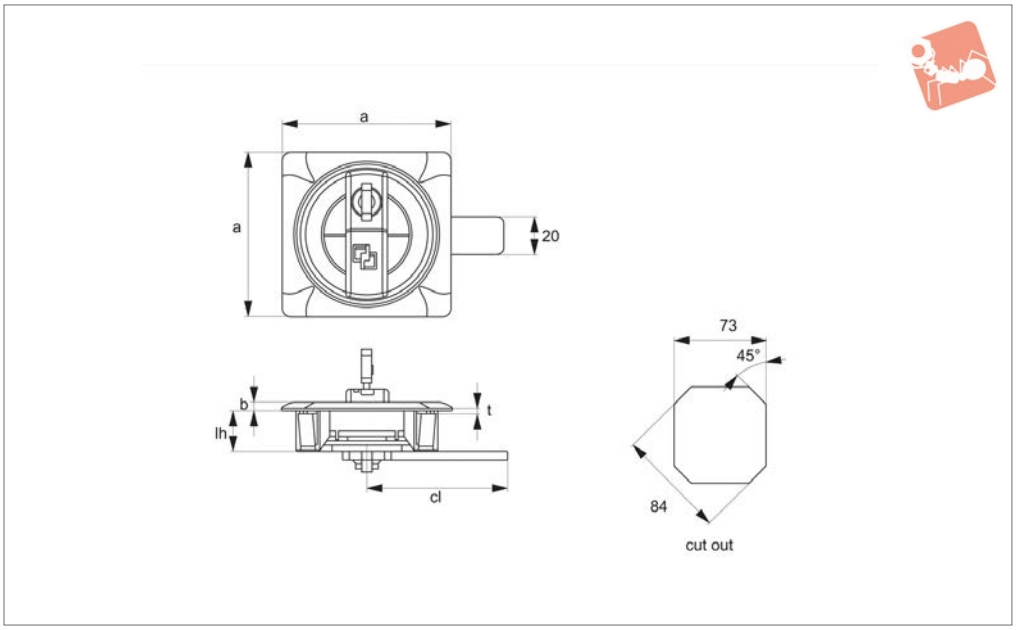
Tips
Quarter-turn opeining or closing. Wing knob acts as grip/handle.

Important Notes
Sold subject to pack qty.

Order No.	Body finish	a_1	a_2	b	lh
A2393.AW0010	Chrome Plated	17	29.5	11	11
A2393.AW0020	Black Coated	17	29.5	11	11

Cabinet Lock - Snap in

Recessed handle, cylinder lock, polyamide



B4510

Material
Body: Black plastic (PA6).
Handle: Zinc.
Supplied: Cam and key.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.

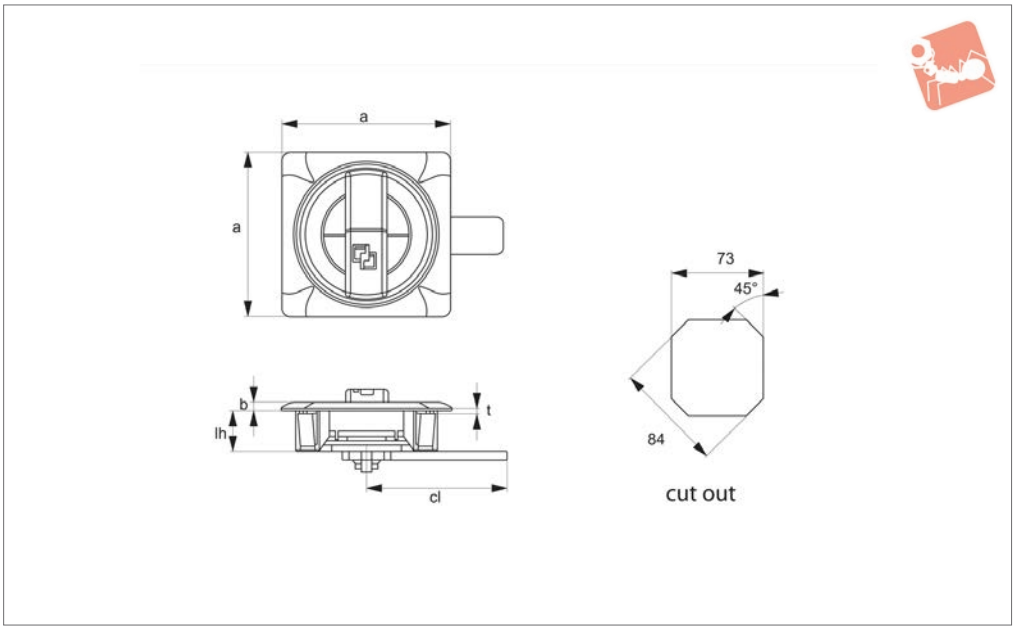
Tips
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Order No.	Key type	a	b	t	cl	lh
B4510.AW0020	Keyed Alike	84	3.3	0,8-2	72	21

Cabinet Lock - Snap In

PA plastic, zinc handle, no lock

B4520



Material
Body: Black plastic (PA6).
Handle: Zinc, black coated.
Supplied: Cam.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.

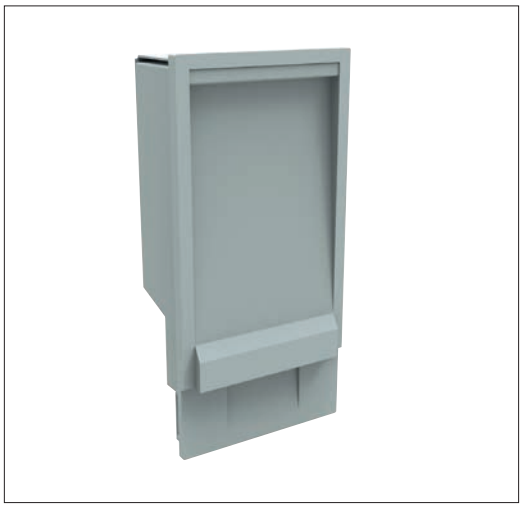
Tips
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Order No.	Lock type	a	b	t	cl	lh
B4520.AW0120	No lock	85	3.3	0,8-2	72	21

Cam Latch - Flush T-Handle
with rod control for multi-point latching

Cam Latch - Flush T-Handle
for single point latching

Cam Latch - Flush T-Handle
with adjustable grip



Cam Latch - Concealed T-Handle
for electricity panels

Models available

Variety of materials

- Steel.
- Stainless steel.
- Aluminium.
- Polyamide.

Actuation/locking method

- Blank, without lock.
- Standard cylinder Lock.
- Padlockable T-Handle actuation.

Features

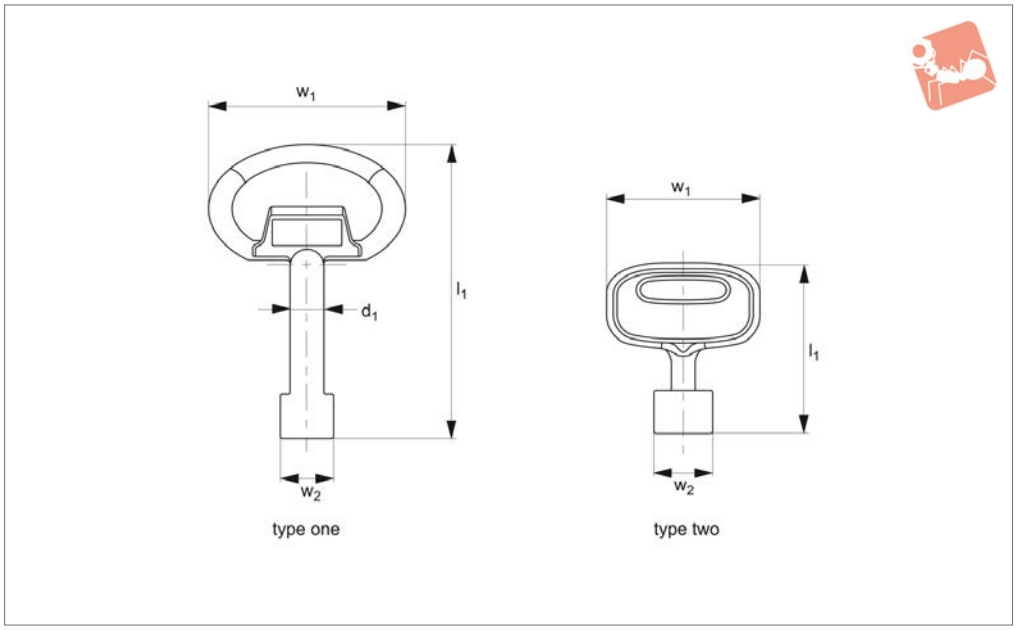
Applications

- Heating & ventilation.
- Generators.
- Compressors.
- Machine covers.
- Electric panels.
- Off-road equipment.
- Industrial transport.
- Special equipment cases.

Keys - Flexi-System

for cam latches and locks - zinc

A0102

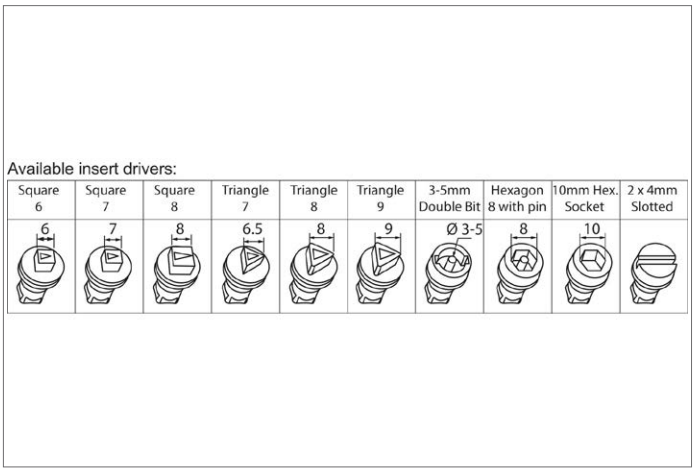


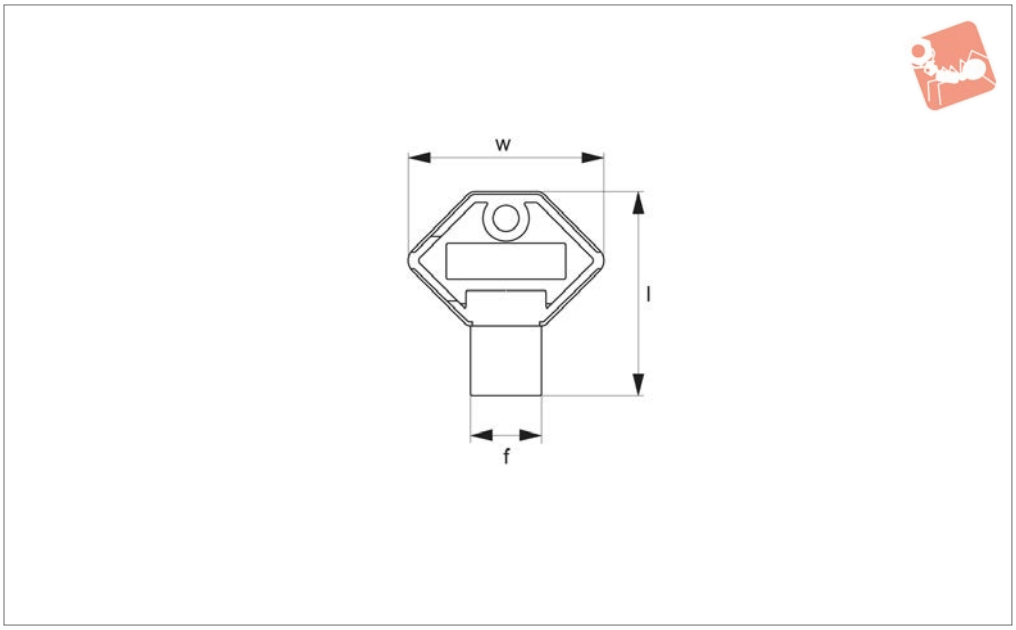
Material
Die cast zinc.

Technical Notes
Keys for our range of cam latches. For slot type cam latches no special key required - simply use flat head screwdriver.
Note: For part A1661.AW0006 (Square 6) use key A0102.AW0206 only.

Important Notes
Sold subject to pack quantity.

Order No.	Insert driver	Type	d_1	l_1	w_1	w_2
A0102.AW0006	Square 6	Type One	9	74.5	49	13.8
A0102.AW0010	Square 7	Type One	9	74.5	49	13.8
A0102.AW0020	Square 8	Type One	9	74.5	49	13.8
A0102.AW0040	Triangle 7	Type One	9	74.5	49	13.8
A0102.AW0050	Triangle 8	Type One	9	74.5	49	13.8
A0102.AW0055	Triangle 9	Type One	9	74.5	49	13.8
A0102.AW0060	3mm Double Bit	Type One	9	70.0	49	13.2
A0102.AW0070	4mm Double Bit	Type One	9	74.5	49	13.8
A0102.AW0090	8mm Hex Pin	Type One	9	74.5	49	13.8
A0102.AW0100	10mm Hex Socket	Type One	9	74.5	49	13.8
A0102.AW0206	Square 6	Type two	9	32.0	30	11.0





A0103

Material
Body: plastic.

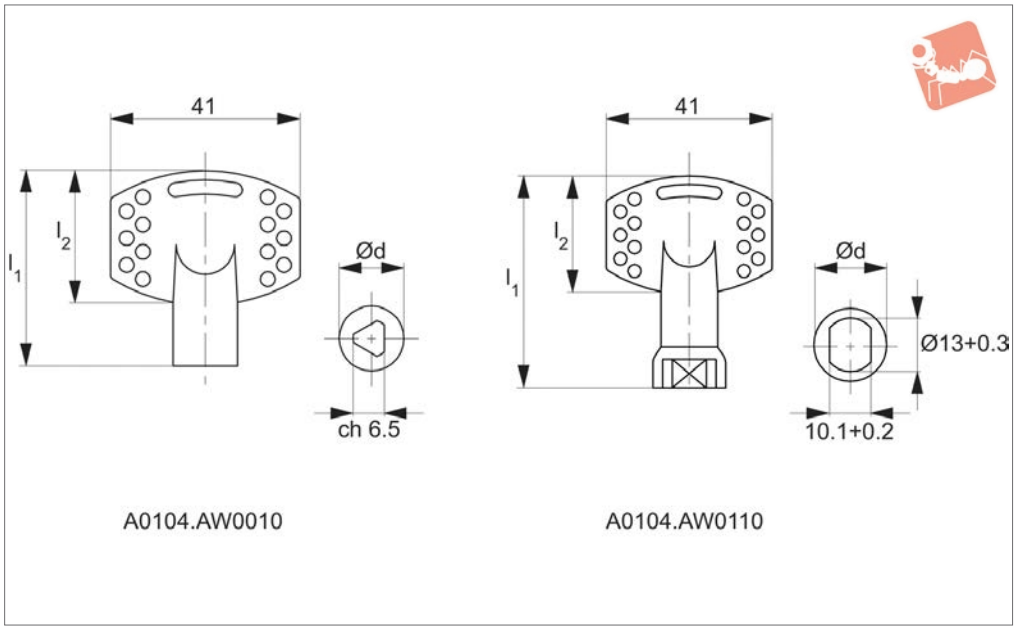
Technical Notes
Keys for our range of cam latches. For slot type cam latches no special key required - simply use flat head screwdriver.

Important Notes
Sold subject to pack quantity.

Order No.	Insert driver	f	l	w
A0103.AW0040	7mm Triangle	40	41.5	40
A0103.AW0055	9mm Triangle	40	41.5	40
A0103.AW0050	8mm Triangle	40	41.5	40
A0103.AW0006	6mm Square	40	41.5	40
A0103.AW0010	7mm Square	40	41.5	40
A0103.AW0020	8mm Square	40	41.5	40

Keys for A1104
hygienic line

A0104



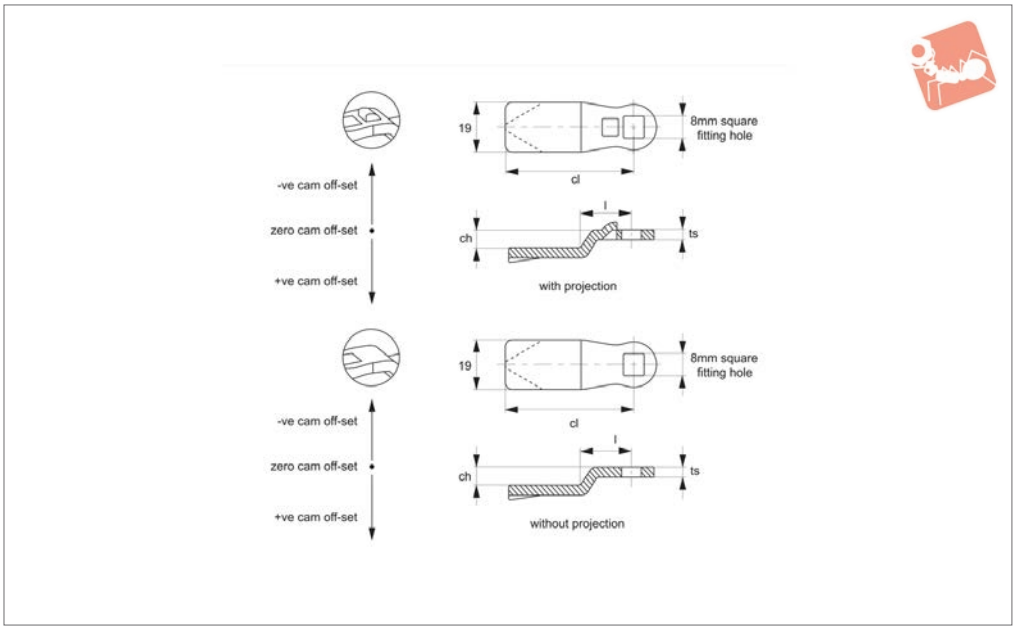
Material
A0104.AW0010: Plastic
A0104.AW0110: Plastic handle, steel insert

Technical Notes
Keys for Hygienic line Cam Locks A1104.
Order cam and key separately.

Holes provide opportunity for lanyard to guard against theft.

Tips
Made to the high "3A" standard.
This ensures it meets the high standards required for use in food, beverage, pharmaceutical and medical applications.
Hygienically designed for effective and easy cleaning, corrosion resistant, non-toxic.
Design precludes contamination by dirt, food particles and organic matter.

Order No.	Insert driver	d	l_1	l_2	w
A0104.AW0010	Triangle 7	14	42	28	41
A0104.AW0110	Stadium	18	52	28	41



A0203

Material
Steel, zinc plated.

Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

Important Notes
Suitable for Flexi-System latches. „With projection" type ensures correct location and prevents cam rotating over 45°. **See cam selection chart for specific latch/lock suitability.**
Sold subject to pack quantity.

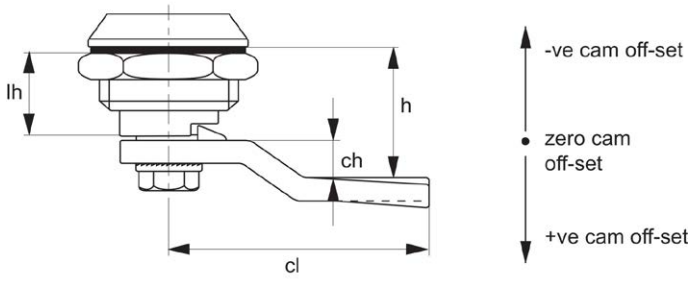
Order No.	Type	ch	cl	ts	Where lh = 18	Where lh = 18,5	Where lh = 20	Where lh = 24	Where lh = 30	Where lh = 40	Where lh = 50	Where lh = 60
A0203.AW0300	With Projection	0	35	3	18,5	20,0	24,0	30	40	50	60	52
A0203.AW0302	With Projection	2	35	3	20,5	22,0	26,0	32	42	52	62	52
A0203.AW0304	With Projection	4	35	3	22,5	24,0	28,0	34	44	54	64	52
A0203.AW0308	With Projection	8	35	3	26,5	28,0	32,0	38	48	58	68	52
A0203.AW0310	With Projection	10	35	3	28,5	30,0	34,0	40	50	60	70	52
A0203.AW0400	With Projection	0	45	3	18,0	18,5	20,0	24	30	40	50	60
A0203.AW0402	With Projection	2	45	3	20,5	22,0	26,0	32	42	52	62	52
A0203.AW0403	With Projection	3	45	3	21,0	21,5	23,0	27	33	43	53	63
A0203.AW0404	With Projection	4	45	3	22,0	22,5	24,0	28	34	44	54	64
A0203.AW0406	With Projection	6	45	3	24,0	24,5	26,0	30	36	46	56	66
A0203.AW0407	With Projection	7	45	3	25,0	25,5	27,0	31	37	47	57	67
A0203.AW0408	With Projection	8	45	3	26,0	26,5	28,0	32	38	48	58	68
A0203.AW0410	With Projection	10	45	3	28,0	28,5	30,0	34	40	50	60	70
A0203.AW0412	With Projection	12	45	3	30,0	30,5	32,0	36	42	52	62	72
A0203.AW0414	With Projection	14	45	3	32,0	32,5	34,0	38	44	54	64	74
A0203.AW0416	With Projection	16	45	3	34,0	34,5	36,0	40	46	56	66	76
A0203.AW0418	With Projection	18	45	3	36,0	36,5	38,0	42	48	58	68	78
A0203.AW0420	With Projection	20	45	3	38,0	38,5	40,0	44	50	60	70	80
A0203.AW1302	With Projection	-2	35	3	16,5	18,0	22,0	28	38	48	58	52
A0203.AW1402	With Projection	-2	45	3	16,0	16,5	18,0	22	28	38	48	58
A0203.AW1404	With Projection	-4	45	3	14,5	16,0	20,0	26	36	46	56	52
A0203.AW1406	With Projection	-6	45	3	12,5	14,0	18,0	24	34	44	54	52
A0203.AW1408	With Projection	-8	45	3	10,5	12,0	16,0	22	32	42	52	52
A0203.AW5300	W/o Projection	0	35	4	18,0	18,5	20,0	24	30	40	50	60
A0203.AW5302	W/o Projection	2	35	4	20,0	20,5	22,0	26	32	42	52	62
A0203.AW5304	W/o Projection	4	35	4	22,0	22,5	24,0	28	34	44	54	64
A0203.AW5306	W/o Projection	6	35	4	24,0	24,5	26,0	30	36	46	56	66
A0203.AW5310	W/o Projection	10	35	4	28,0	28,5	30,0	34	40	50	60	70
A0203.AW5400	W/o Projection	0	45	3	18,0	18,5	20,0	24	30	40	50	60
A0203.AW5402	W/o Projection	2	45	3	20,0	20,5	22,0	26	32	42	52	62

Single Point Cams - Flexi-System

for cam latches and locks - steel - 8 x 8 Sq.

Order No.	Type	ch	cl	ts	Where lh = 18	Where lh = 18,5	Where lh = 20	Where lh = 24	Where lh = 30	Where lh = 40	Where lh = 50	Where lh = 60
A0203.AW5403	W/o Projection	3	45	21	21,5	23,0	27,0	33	43	53	63	52
A0203.AW5404	W/o Projection	4	45	3	22,0	22,5	24,0	28	34	44	54	64
A0203.AW5406	W/o Projection	6	45	3	24,0	24,5	26,0	30	36	46	56	66
A0203.AW5407	W/o Projection	7	45	3	25,0	25,5	27,0	31	37	47	57	67
A0203.AW5408	W/o Projection	8	45	3	26,0	26,5	28,0	32	38	48	58	68
A0203.AW5410	W/o Projection	10	45	3	28,0	28,5	30,0	34	40	50	60	70
A0203.AW5412	W/o Projection	12	45	3	30,0	30,5	32,0	36	42	52	62	72
A0203.AW5414	W/o Projection	14	45	3	32,0	32,5	34,0	38	44	54	64	74
A0203.AW5416	W/o Projection	16	45	3	34,0	34,5	36,0	40	46	56	66	76
A0203.AW5418	W/o Projection	18	45	3	36,0	36,5	38,0	42	48	58	68	78
A0203.AW5420	W/o Projection	20	45	3	38,0	38,5	40,0	44	50	60	70	80
A0203.AW6302	W/o Projection	-2	35	4	16,0	16,5	18,0	22	28	38	48	64
A0203.AW6402	W/o Projection	-2	45	3	16,0	16,5	18,0	22	28	38	48	58
A0203.AW6404	W/o Projection	-4	45	4	14,0	14,5	16,0	20	26	36	46	56
A0203.AW6406	W/o Projection	-6	45	4	12,0	12,5	14,0	18	24	34	44	54
A0203.AW6408	W/o Projection	-8	45	4	10,5	12,0	16,0	22	32	42	52	52
A0203.AW6494	With Projection	-4	45	14	14,5	16,0	20,0	26	36	46	56	52
A0203.AW6496	With Projection	-6	45	12	12,5	14,0	18,0	24	34	44	54	52
A0203.AW6498	With Projection	-8	45	10	10,5	12,0	16,0	22	32	42	52	52
A0203.AW0305	With Projection	5	35	4	23,0	23.5	25,0	29	35	45	55	65
A0203.AW1304	With Projection	-4	35	4	14,0	14,5	14,5	20	26	36	46	56
A0203.AW1306	With Projection	-6	35	4	12,0	12,5	12,5	18	24	34	44	54
A0203.AW1308	With Projection	-8	35	4	10	10.5	10,5	16	22	32	42	52
A0203.AW1314	With Projection	-14	35	4	4,0	4,5	4,5	10	16	26	36	46
A0203.AW5308	W/o Projection	8	35	3	26,0	26,5	26,5	32	38	48	58	68
A0203.AW5312	W/o Projection	12	35	4	30,0	30,5	30,5	36	42	52	62	72
A0203.AW5314	W/o Projection	14	35	3	32,0	32,5	32,5	38	44	54	64	74
A0203.AW5318	W/o Projection	18	35	3	36,0	36,5	36,5	42	48	58	68	78
A0203.AW5322	W/o Projection	22	35	4	40,0	40,5	40,5	46	52	62	72	82
A0203.AW5324	W/o Projection	24	35	3	42,0	42,5	42,5	48	54	64	74	84
A0203.AW5326	W/o Projection	26	35	4	44,0	44,5	44,5	50	56	66	76	86
A0203.AW5328	W/o Projection	28	35	3	46,0	46,5	46,5	52	58	68	78	88
A0203.AW5360	W/o Projection	30	35	4	48,0	48,5	48,5	54	60	70	80	90
A0203.AW6301	W/o Projection	-1	35	3	17,0	17,5	17,5	23	29	39	49	59
A0203.AW6306	W/o Projection	-6	35	3	12,0	12,5	12,5	18	24	34	44	54
A0203.AW6308	W/o Projection	-8	35	3	10,0	10,5	10,5	16	22	32	42	52
A0203.AW6310	W/o Projection	-10	35	4	8,0	8,5	8,5	14	20	30	40	50
A0203.AW6314	W/o Projection	-14	35	3	4,0	4,5	4,5	10	16	26	36	46
A0203.AW6316	W/o Projection	-16	35	4	2,0	2,5	2,5	8	14	24	34	44
A0203.AW5422	W/o Projection	22	45	3,4	40,0	40,5	42,0	46	52	62	72	82
A0203.AW5424	W/o Projection	24	45	3,4	42,0	42,5	44,0	48	54	64	74	84
A0203.AW5426	W/o Projection	26	45	3,4	44,0	44,5	46,0	50	56	66	76	86
A0203.AW5428	W/o Projection	28	45	3	46,0	46,5	48,0	52	58	68	78	88
A0203.AW5430	W/o Projection	30	45	3,4	48,0	48,5	50,0	54	60	70	80	90
A0203.AW5432	W/o Projection	32	45	3,4	50,0	50,5	52,0	56	62	72	82	92
A0203.AW5434	W/o Projection	34	45	3,4	52,0	52,5	54,0	58	64	74	84	94
A0203.AW6410	W/o Projection	-10	45	3,4	8,0	8,5	10,0	14	20	30	40	50
A0203.AW6412	W/o Projection	-12	45	3,4	6,0	6,5	8,0	12	18	28	38	48
A0203.AW6414	W/o Projection	-14	45	3,4	4,0	4,5	6,0	10	16	26	36	46
A0203.AW6416	W/o Projection	-16	45	3,4	2,0	2,5	4,0	8	14	24	34	44
A0203.AW6418	W/o Projection	-18	45	3,4		0,5	2,0	6	12	22	32	42
A0203.AW6420	W/o Projection	-20	45	3,4	-2,0	-1,5		4	10	20	30	40
A0203.AW6422	W/o Projection	-22	45	3,4	-4,0	-3,5	-2,0	2	8	18	28	38
A0203.AW6424	W/o Projection	-24	45	3	-6,0	-5,5	-4,0	0	6	16	26	36
A0203.AW0422	With Projection	22	45	3,4	40,0	40.5	42,0	46	52	62	72	82
A0203.AW0424	With Projection	24	45	4	42,0	42,5	44,0	48	54	64	74	84
A0203.AW0426	With Projection	26	45	4	44,0	44,5	46,0	50	56	66	76	86
A0203.AW0428	With Projection	28	45	4	46,0	46,5	48,0	52	58	68	78	88
A0203.AW0432	With Projection	32	45	3	50,0	50,5	52,0	56	62	72	82	92
A0203.AW1410	With Projection	-10	45	4	8,0	8,5	10,0	14	20	30	40	50
A0203.AW1412	With Projection	-12	45	4	6,0	6,5	8,0	12	18	28	38	48
A0203.AW1414	With Projection	-14	45	4	4,0	4,5	6,0	10	16	26	36	46
A0203.AW1420	With Projection	-20	45	4	-2,0	-1,5		4	10	20	30	40
A0203.AW1422	With Projection	-22	45	4	-4,0	-3,5	-2,0	2	8	18	28	38
A0203.AW1426	With Projection	-26	45	4	-8,0	-7,5	-6,0	-2	4	14	24	34

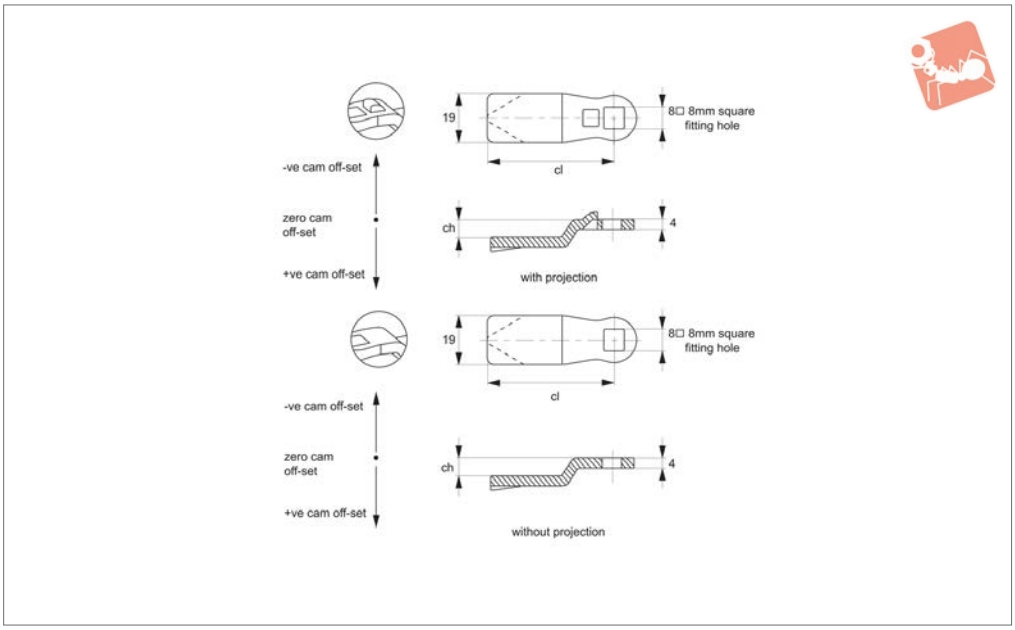
Order No.	Type	ch	cl	ts	Where lh = 18	Where lh = 18,5	Where lh = 20	Where lh = 24	Where lh = 30	Where lh = 40	Where lh = 50	Where lh = 60
A0203.AW1428	With Projection	-28	45	4	-10,0	-,.5	-8,0	-4	2	12	22	32



Single Point Cams - Flexi-System

for cam latches and locks - stainless steel - 8 x 8 Sq.

A0210



Material

Stainless steel, AISI 304.

Technical Notes

Use formula to calculate ch (required cam off-set), and select from product table below;

ch = h - lh where;

ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

Important Notes

Suitable for Flexi-System latches. „With projection" type ensures correct location and prevents cam rotating over 45°. **See cam selection chart for specific latch/lock suitability.**
Sold subject to pack quantity.

Order No.	Type	ch	cl	Where lh = 18 h =	Where lh = 18,5 h =
A0210.AW0400	With Projection	0	45	18	18.5
A0210.AW0420	Without Projection	0	45	18	18.5
A0210.AW0402	With Projection	2	45	20	20.5
A0210.AW0423	Without Projection	2	45	20	20.5
A0210.AW0404	With Projection	4	45	22	22.5
A0210.AW0424	Without Projection	4	45	22	22.5
A0210.AW0406	With Projection	6	45	24	24.5
A0210.AW0426	Without Projection	6	45	24	24.5
A0210.AW0408	With Projection	8	45	26	26.5
A0210.AW0428	Without Projection	8	45	26	26.5
A0210.AW0410	With Projection	10	45	28	28.5
A0210.AW0430	Without Projection	10	45	28	28.5
A0210.AW0412	With Projection	12	45	30	30.5
A0210.AW0432	Without Projection	12	45	30	30.5
A0210.AW0434	Without Projection	14	45	32	32.5
A0210.AW0436	Without Projection	16	45	34	34.5
A0210.AW0438	Without Projection	18	45	36	36.5
A0210.AW0500	With Projection	20	45	38	38.5
A0210.AW0520	Without Projection	20	45	38	38.5
A0210.AW0422	With Projection	22	45	40	40.5
A0210.AW5422	Without Projection	22	45	40	40.5
A0210.AW0524	With Projection	24	45	22	22.5
A0210.AW5424	Without Projection	24	45	42	42.5
A0210.AW0526	With Projection	26	45	24	24.5
A0210.AW5426	Without Projection	26	45	44	44.5
A0210.AW0528	With Projection	28	45	26	26.5
A0210.AW5428	Without Projection	28	45	46	46.5
A0210.AW5430	Without Projection	30	45	48	48.5
A0210.AW0532	With Projection	32	45	30	30.5
A0210.AW5432	Without Projection	32	45	50	50.5

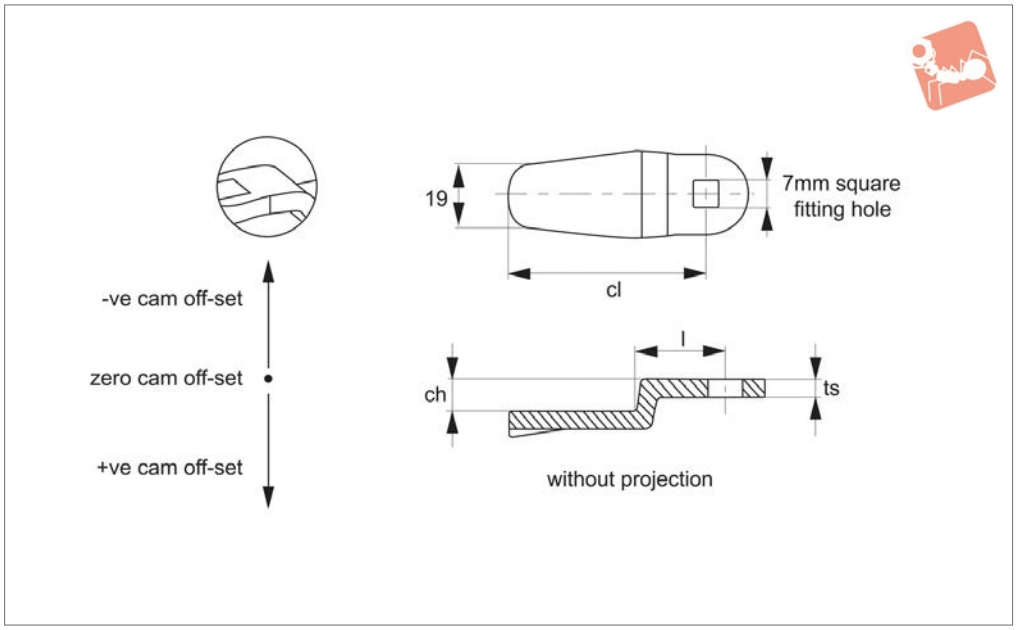
Order No.	Type	ch	cl	Where lh = 18 h =	Where lh = 18,5 h =
A0210.AW5434	Without Projection	34	45	52	52.5
A0210.AW0002	Without Projection	-2	45	16	16.5
A0210.AW6304	Without Projection	-4	35	14	14.5
A0210.AW6410	With Projection	-10	45	8	8.5
A0210.AW1410	Without Projection	-10	45	8	8.5
A0210.AW1412	With Projection	-12	45	6	6.5
A0210.AW6412	Without Projection	-12	45	6	6.5
A0210.AW1414	With Projection	-14	45	4	4.5
A0210.AW6414	Without Projection	-14	45	4	4.5
A0210.AW6416	Without Projection	-16	45	2	2.5
A0210.AW6418	Without Projection	-18	45	0	0.5
A0210.AW1420	With Projection	-20	45	-2	-1.5
A0210.AW6420	Without Projection	-20	45	-2	-1.5
A0210.AW1422	With Projection	-22	45	-4	-3.5
A0210.AW6422	Without Projection	-22	45	-4	-3.5
A0210.AW6424	Without Projection	-24	45	-6	-5.5
A0210.AW1426	With Projection	-26	45	-8	-7.5
A0210.AW1428	Without Projection	-28	45	-10	-9.5

Order No.	Where lh = 20 h =	Where lh = 25 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0210.AW0400	20	25	30	40	50	60
A0210.AW0420	20	25	30	40	50	60
A0210.AW0402	22	27	32	42	52	62
A0210.AW0423	22	27	32	42	52	62
A0210.AW0404	24	29	34	44	54	64
A0210.AW0424	24	29	34	44	54	64
A0210.AW0406	26	31	36	46	56	66
A0210.AW0426	26	31	36	46	56	66
A0210.AW0408	28	33	38	48	58	68
A0210.AW0428	28	33	38	48	58	68
A0210.AW0410	30	35	40	50	60	70
A0210.AW0430	30	35	40	50	60	70
A0210.AW0412	32	37	42	52	62	72
A0210.AW0432	32	37	42	52	62	72
A0210.AW0434	34	39	44	54	64	74
A0210.AW0436	36	41	46	56	66	76
A0210.AW0438	38	43	48	58	68	78
A0210.AW0500	40	45	50	60	70	80
A0210.AW0520	40	45	50	60	70	80
A0210.AW0422	42	47	52	62	72	82
A0210.AW5422	42	47	52	62	72	82
A0210.AW0524	24	29	34	44	54	64
A0210.AW5424	44	49	54	64	74	84
A0210.AW0526	26	31	36	46	56	66
A0210.AW5426	46	51	56	66	76	86
A0210.AW0528	28	33	38	48	58	68
A0210.AW5428	48	53	58	68	78	88
A0210.AW5430	50	55	60	70	80	90
A0210.AW0532	32	37	42	52	62	72
A0210.AW5432	52	57	62	72	82	92
A0210.AW5434	54	59	64	74	84	94
A0210.AW0002	18	23	28	38	48	58
A0210.AW6304	16	21	26	36	46	56
A0210.AW6410	10	15	20	30	40	50
A0210.AW1410	10	15	20	30	40	50
A0210.AW1412	8	13	18	28	38	48
A0210.AW6412	8	13	18	28	38	48
A0210.AW1414	6	11	16	26	36	46
A0210.AW6414	6	11	16	26	36	46
A0210.AW6416	4	9	14	24	34	44
A0210.AW6418	2	7	12	22	32	42
A0210.AW1420	0	5	10	20	30	40
A0210.AW6420	0	5	10	20	30	40
A0210.AW1422	-2	3	8	18	28	38
A0210.AW6422	-2	3	8	18	28	38
A0210.AW6424	-4	1	6	16	26	36
A0210.AW1426	-6	-1	4	14	24	34
A0210.AW1428	-8	-3	2	12	22	32

Single Point Cams - Flexi-System - 7 x

for cam latches and locks - steel

A0215



Material
Steel, zinc plated.

Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;

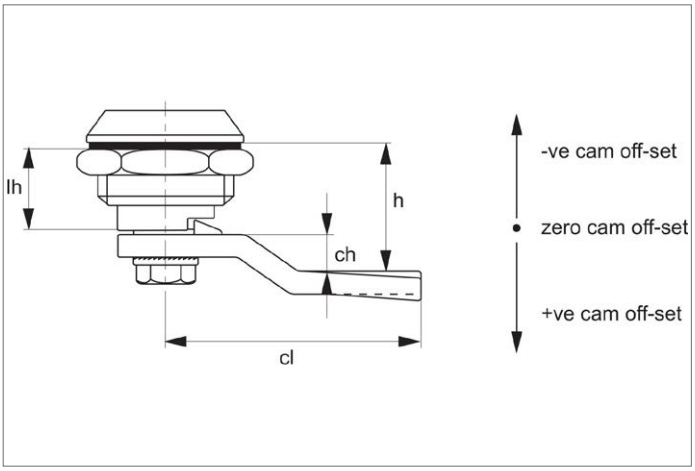
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

Important Notes
See cam selection chart for specific latch/lock suitability.
Sold subject to pack quantity.

Order No.	Type	ch	cl	ts	Where lh = 18 h =
A0215.AW5400	W/o Projection	0	45	3	18
A0215.AW5402	W/o Projection	2	45	3	20
A0215.AW5404	W/o Projection	4	45	3	22
A0215.AW5406	W/o Projection	6	45	3	24
A0215.AW5407	W/o Projection	7	45	3	25
A0215.AW5408	W/o Projection	8	45	3	26
A0215.AW5410	W/o Projection	10	45	3	28
A0215.AW5412	W/o Projection	12	35	3	30
A0215.AW5414	W/o Projection	14	45	3	32
A0215.AW5417	W/o Projection	17	45	3	35
A0215.AW5416	W/o Projection	16	45	3	34
A0215.AW5418	W/o Projection	18	45	3	36
A0215.AW5420	W/o Projection	20	45	3	38
A0215.AW5305	W/o Projection	5	35	3	23
A0215.AW5306	W/o Projection	6	35	3	24
A0215.AW5310	W/o Projection	10	35	3	28
A0215.AW5312	W/o Projection	12	35	3	30
A0215.AW5315	W/o Projection	15	35	3	33
A0215.AW5320	W/o Projection	20	35	3	38

Order No.	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 24 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0215.AW5400	18.5	20	24	30	40	50	60
A0215.AW5402	20.5	22	26	32	42	52	62
A0215.AW5404	22.5	24	28	34	44	54	64
A0215.AW5406	24.5	26	30	36	46	56	66
A0215.AW5407	25.5	27	31	37	47	57	67
A0215.AW5408	26.5	28	32	38	48	58	68
A0215.AW5410	28.5	30	34	40	50	60	70
A0215.AW5412	30.5	32	36	42	52	62	72
A0215.AW5414	32.5	34	38	44	54	64	74

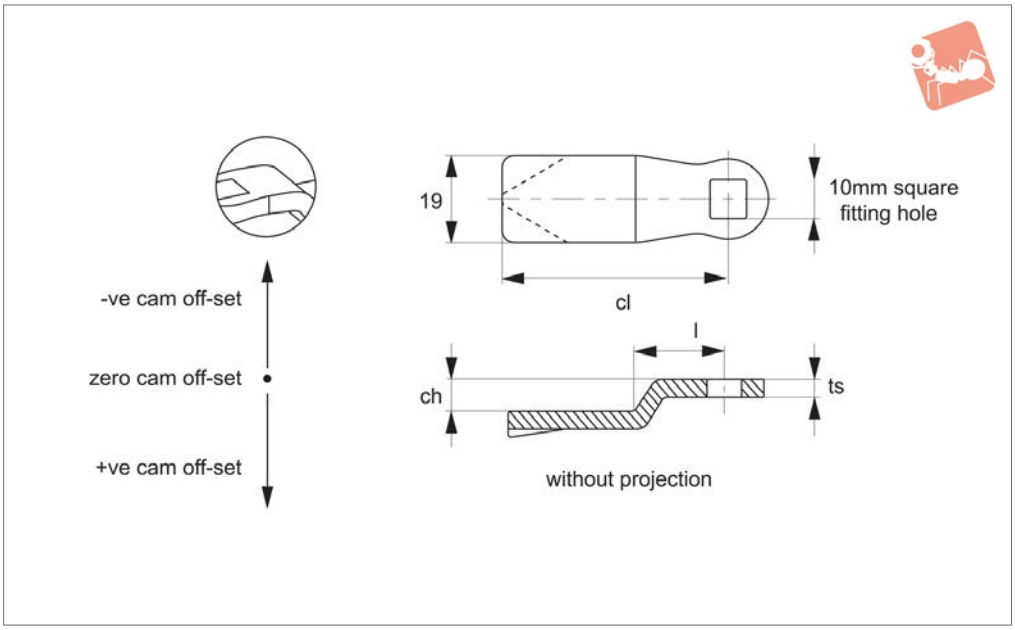
Order No.	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 24 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0215.AW5417	35.5	37	41	47	57	67	77
A0215.AW5416	34.5	36	40	46	56	66	76
A0215.AW5418	36.5	38	42	48	58	68	78
A0215.AW5420	38.5	40	44	50	60	70	80
A0215.AW5305	23.5	25	29	35	45	55	65
A0215.AW5306	24.5	26	30	36	46	56	66
A0215.AW5310	28.5	30	34	40	50	60	70
A0215.AW5312	30.5	32	36	42	52	62	72
A0215.AW5315	33.5	35	39	45	55	65	75
A0215.AW5320	38.5	40	44	50	60	70	80



Single Point Cams - Flexi-System - 10

for cam latches and locks - steel

A0216



Material

Steel, zinc plated.

Technical Notes

Use formula to calculate ch (required cam off-set), and select from product table below;

ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

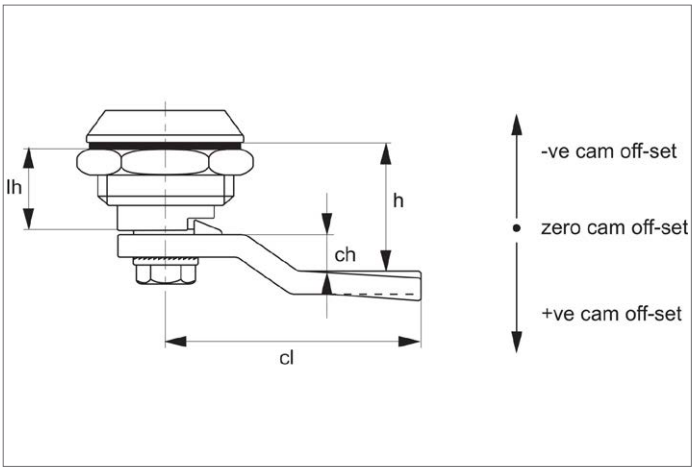
Important Notes

See cam selection chart for specific latch/lock suitability.
Sold subject to pack quantity.

Order No.	Type	ch	cl	ts	Where lh = 18 h =
A0216.AW6406	W/o Projection	-6	45	3	12
A0216.AW6410	W/o Projection	-10	45	3	8
A0216.AW5500	W/o Projection	0	50	3	18
A0216.AW5507	W/o Projection	7	50	3	25
A0216.AW5508	W/o Projection	8	50	3	26
A0216.AW5510	W/o Projection	10	50	3	28
A0216.AW5514	W/o Projection	14	50	3	32
A0216.AW5520	W/o Projection	20	50	3	38
A0216.AW6506	W/o Projection	-6	50	3	12
A0216.AW5400	W/o Projection	0	45	3	18
A0216.AW5403	W/o Projection	3	45	3	21
A0216.AW5409	W/o Projection	9	45	3	27
A0216.AW5410	W/o Projection	10	45	3	28
A0216.AW5412	W/o Projection	12	45	3	30
A0216.AW5420	W/o Projection	20	45	3	38

Order No.	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 24 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0216.AW6406	12.5	14	18	24	34	44	54
A0216.AW6410	8.5	10	14	20	30	40	50
A0216.AW5500	18.5	20	24	30	40	50	60
A0216.AW5507	25.5	27	31	37	47	57	67
A0216.AW5508	26.5	28	32	38	48	58	68
A0216.AW5510	28.5	30	34	40	50	60	70
A0216.AW5514	32.5	34	38	44	54	64	74
A0216.AW5520	38.5	40	44	50	60	70	80
A0216.AW6506	12.5	14	18	24	34	44	54
A0216.AW5400	18.5	20	24	30	40	50	60
A0216.AW5403	21.5	23	27	33	43	53	63
A0216.AW5409	27.5	29	33	39	49	59	69
A0216.AW5410	28.5	30	34	40	50	60	70

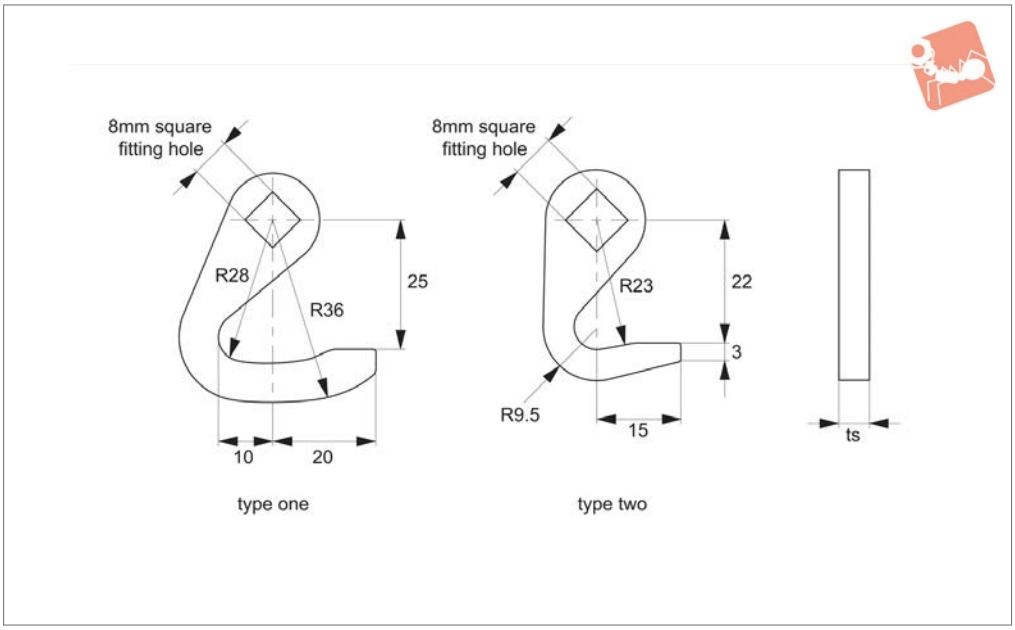
Order No.	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 24 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0216.AW5412	30.5	32	36	42	52	62	72
A0216.AW5420	38.5	40	44	50	60	70	80



Hooked Cam - Flexi-System - 8 x 8 Sq.

for cam latches and locks - zinc

A0224



Material
Steel, zinc plated.

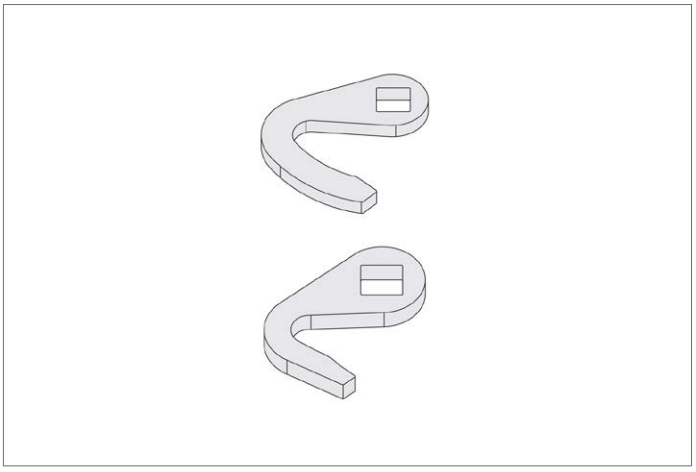
Technical Notes
Hooked cam gives rotation of 360°.
Suitable for push - pull type cabinet doors.

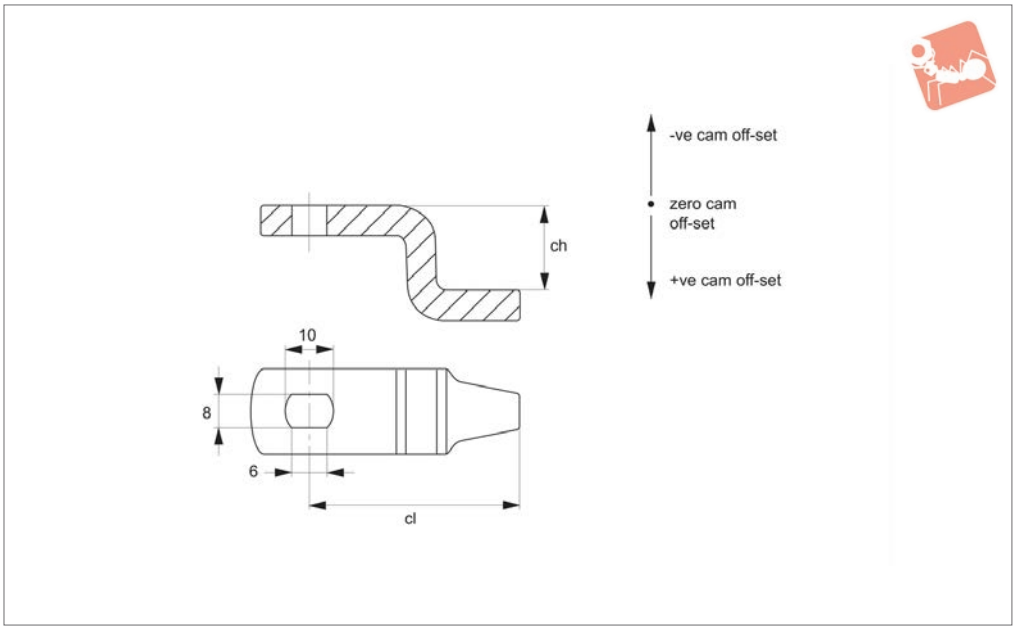
Allows securing to fixed point or plate within frame.

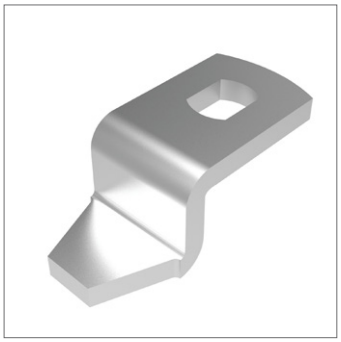
Tips
Reversing the cam gives both clockwise and anticlockwise hooking action.

Important Notes
Suitable for flexi system latches.

Order No.	Type	Rotation radius	ts
A0224.AW0010	One	28	4
A0224.AW0020	Two	23	4







A0231

Material
Steel, zinc plated.

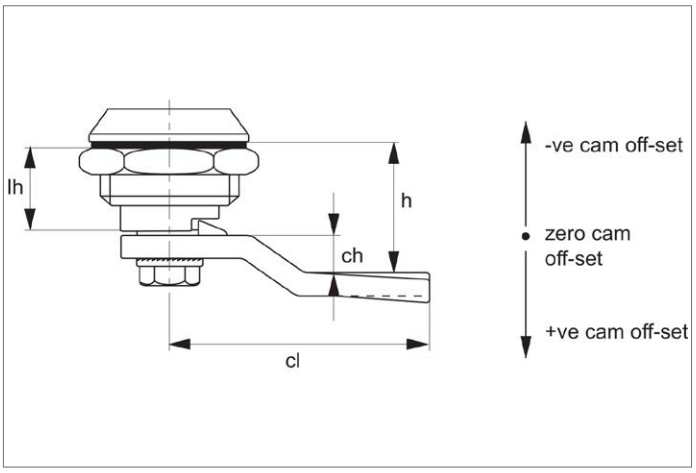
Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

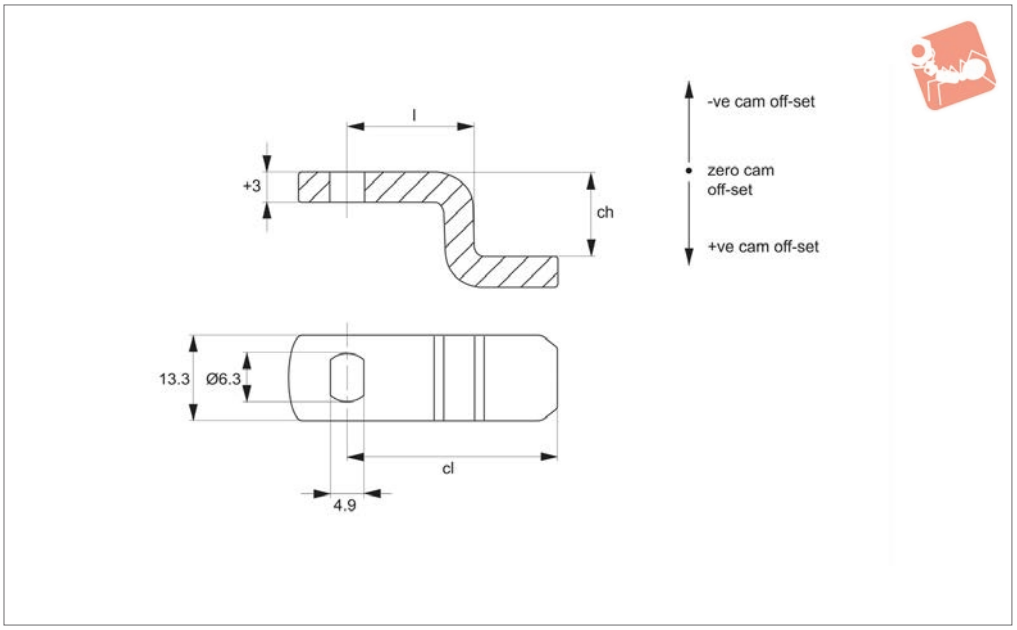
Important Notes
Suitable for adjustable grip compression cam latches A1603, A1611, A1630, A1810.
See cam selection chart for specific latch/lock suitability.
Installation hole is rectangular 6mmx4mm.
Please note due to design of the single point cam, it is not possible to use +ve offset cam in reverse/upside down as it results in a clash with the body of the cam latch- making it inoperable.

Order No.	ch	cl	Where lh = 32
A0231.AW0300	0	33	32
A0231.AW0314	14	33	46
A0231.AW0327	27	33	59
A0231.AW0305	5	33	37
A0231.AW0308	8	33	40
A0231.AW0310	10	33	42
A0231.AW0312	12	33	44
A0231.AW0316	16	33	48
A0231.AW0318	18	33	50
A0231.AW0322	22	33	54
A0231.AW0324	24	33	56
A0231.AW0328	28	33	60
A0231.AW0330	30	33	62
A0231.AW1304	-4	33	28
A0231.AW1308	-7	33	25
A0231.AW1314	-14	33	18
A0231.AW1316	-16	33	16
A0231.AW1318	-18	33	14
A0231.AW1410	-10	45	22
A0231.AW0400	0	45	32
A0231.AW0405	5	45	37
A0231.AW0408	8	45	40
A0231.AW0418	18	45	50

Single Point Cams - Steel

for adjustable grip compression cam latches





A0234

Material
Steel, zinc plated.

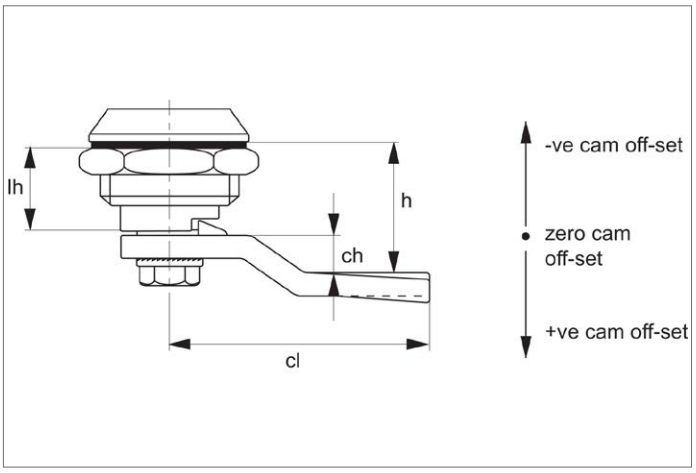
Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;
ch =h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing above.

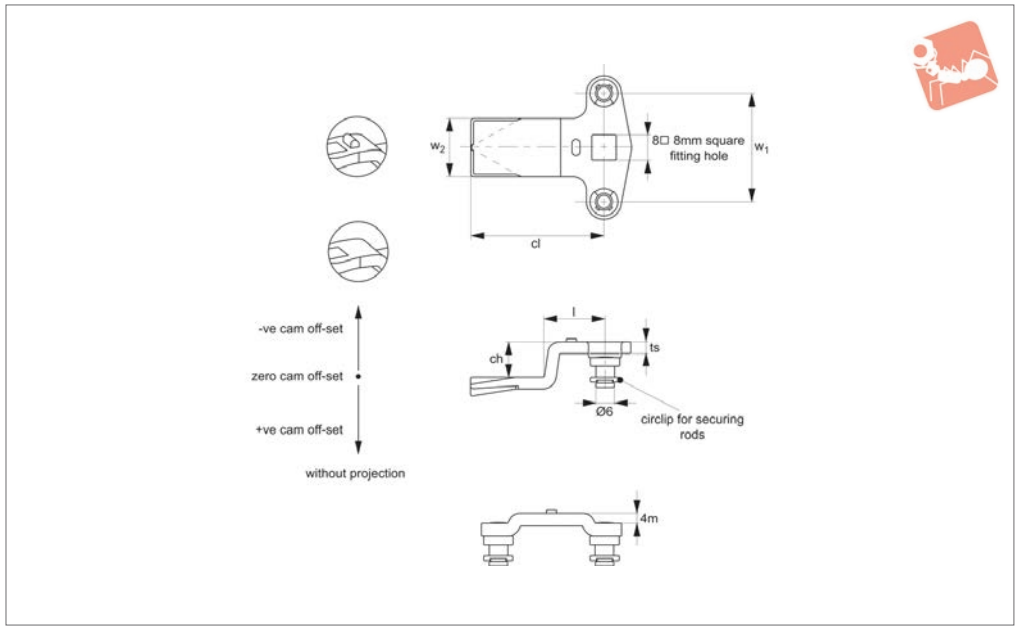
Important Notes
Suitable for adjustable grip mini compression cam latches A1660 and A1666. **See cam selection chart for specific latch/lock suitability.**
Sold subject to pack quantity.
Installation hole is rectangular 6mmx4mm.
Please note due to design of the single point cam, it is not possible to use +ve offset cam in reverse/upside down as it results in a clash with the body of the cam latch- making it inoperable.

Order No.	Type	ch	cl	l	ts	Where lh = 22,5 min. h =
A0234.AW0300	+ve offset	0	23	10	2.8	22.5
A0234.AW0301	+ve offset	1	23	10	2.8	23.5
A0234.AW0303	+ve offset	4	23	10	2.8	26.5
A0234.AW0307	+ve offset	7	23	10	2.8	29.5
A0234.AW0310	+ve offset	10	23	10	2.8	32.5
A0234.AW0313	+ve offset	13	23	10	2.8	35.5
A0234.AW0316	+ve offset	16	23	10	2.8	38.5
A0234.AW0320	+ve offset	20	23	10	2.8	42.5
A0234.AW0323	+ve offset	23	23	10	2.8	45.5
A0234.AW6304	-ve offset	-4	23	11	2.8	18.5
A0234.AW6308	-ve offset	-8	23	11	2.8	14.5
A0234.AW6312	-ve offset	-12	23	11	2.8	10.5
A0234.AW6316	-ve offset	-16	23	11	2.8	6.5
A0234.AW6323	-ve offset	-23	23	11	2.8	0.0
A0234.AW6302	-ve offset	-2	23	11	3	20.5
A0234.AW6306	-ve offset	-6	23	11	3	16.5
A0234.AW6314	-ve offset	-14	23	11	3	8.5
A0234.AW6320	-ve offset	-20	23	11	3	2.5
A0234.AW6324	-ve offset	-24	23	11	3	-1.5

Single Point Cams - Steel

for adjustable grip mini compression cam latches -





A0240

Material
Steel, zinc plated.
Size: 8 x 8 Sq.

Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;

ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).

Important Notes
Suitable for Flexi-System latches. „With projection" type ensures correct location and prevents cam rotating over 45°. **See cam selection chart for specific latch/lock suitability.**
Sold subject to pack quantity.

Order No.	Type	ch	cl	l	ts	w_1	w_2
A0240.AW0000	With Projection	0	45	20	4	36	20
A0240.AW0004	With Projection	4	45	20	4	36	20
A0240.AW0008	With Projection	8	45	20	4	36	20
A0240.AW0010	With Projection	10	45	20	4	36	20
A0240.AW0012	With Projection	12	45	20	4	36	20
A0240.AW0014	With Projection	14	45	20	4	36	20
A0240.AW0016	With Projection	16	45	20	4	36	20
A0240.AW0020	With Projection	20	45	20	4	36	20
A0240.AW0022	With Projection	22	45	20	4	36	20
A0240.AW0100	W/o Projection	0	45	20	4	36	20
A0240.AW0104	W/o Projection	4	45	20	4	36	20
A0240.AW0108	W/o Projection	8	45	20	4	36	20
A0240.AW0110	W/o Projection	10	45	20	4	36	20
A0240.AW0120	W/o Projection	12	45	20	4	36	20
A0240.AW0140	W/o Projection	14	45	20	4	36	20
A0240.AW0160	W/o Projection	16	45	20	4	36	20
A0240.AW0200	W/o Projection	20	45	20	4	36	20
A0240.AW0220	W/o Projection	22	45	20	4	36	20

Order No.	Where lh = 18 h =	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 25 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0240.AW0000	18	18.5	20	25	30	40	50	60
A0240.AW0004	22	22.5	24	29	34	44	54	64
A0240.AW0008	26	26.5	28	33	38	48	58	68
A0240.AW0010	28	28.5	30	35	40	50	60	70
A0240.AW0012	30	30.5	32	37	42	52	62	72
A0240.AW0014	32	32.5	34	39	44	54	64	74
A0240.AW0016	34	34.5	36	41	46	56	66	76
A0240.AW0020	38	38.5	40	45	50	60	70	80
A0240.AW0022	40	40.5	42	47	52	62	72	82

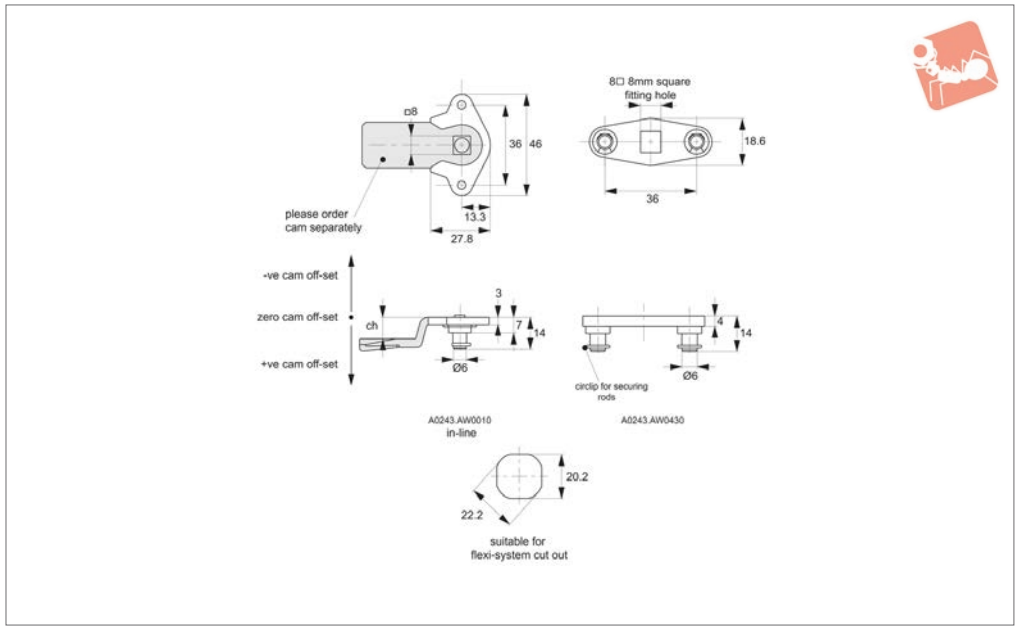
Two Point Cams - Flexi-System

for 3-point latching of cam latches and locks - zinc

Order No.	Where lh = 18 h =	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 25 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0240.AW0100	18	18.5	20	25	30	40	50	60
A0240.AW0104	22	22.5	24	29	34	44	54	64
A0240.AW0108	26	26.5	28	33	38	48	58	68
A0240.AW0110	28	28.5	30	35	40	50	60	70
A0240.AW0120	30	30.5	32	37	42	52	62	72
A0240.AW0140	32	32.5	34	39	44	54	64	74
A0240.AW0160	34	34.5	36	41	46	56	66	76
A0240.AW0200	38	38.5	40	45	50	60	70	80
A0240.AW0220	40	40.5	42	47	52	62	72	82

Multi Point Locking Adaptor - Flexi-

for cam latches, locks and swing handles - zinc



A0243

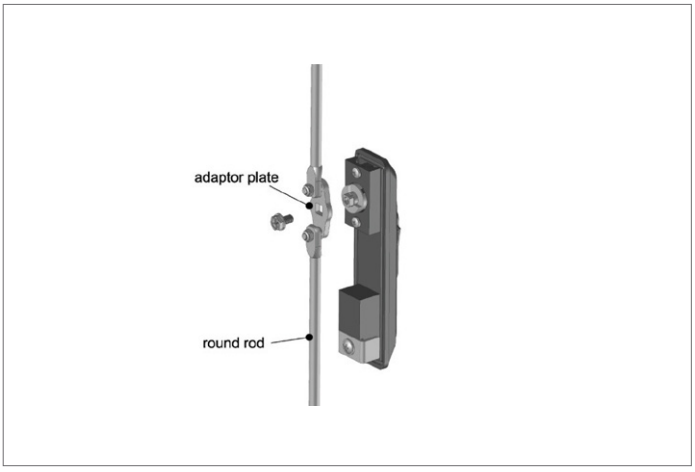
Material
Steel, zinc plated.

Technical Notes
Two point locking adaptor for use with our round rod latching system on cam latches and swing handles, to achieve a comprehensive latching system for tall cabinets and enclosures.

Tips
Use formula to calculate ch (required cam off-set), and refer to cam chart;
ch = h - lh where;
ch = required cam off-set/ height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

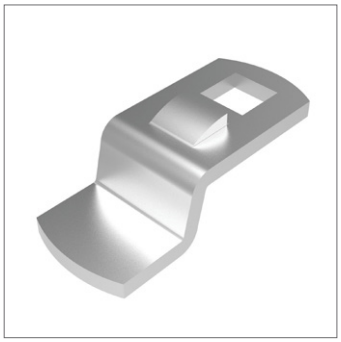
Important Notes
Sold subject to pack quantity.

Order No.	Type	Application
A0243.AW0010	W/o projection	In-line Multi-Point Locking Adaptor
A0243.AW0430	W/o projection	Two Point Locking Adaptor

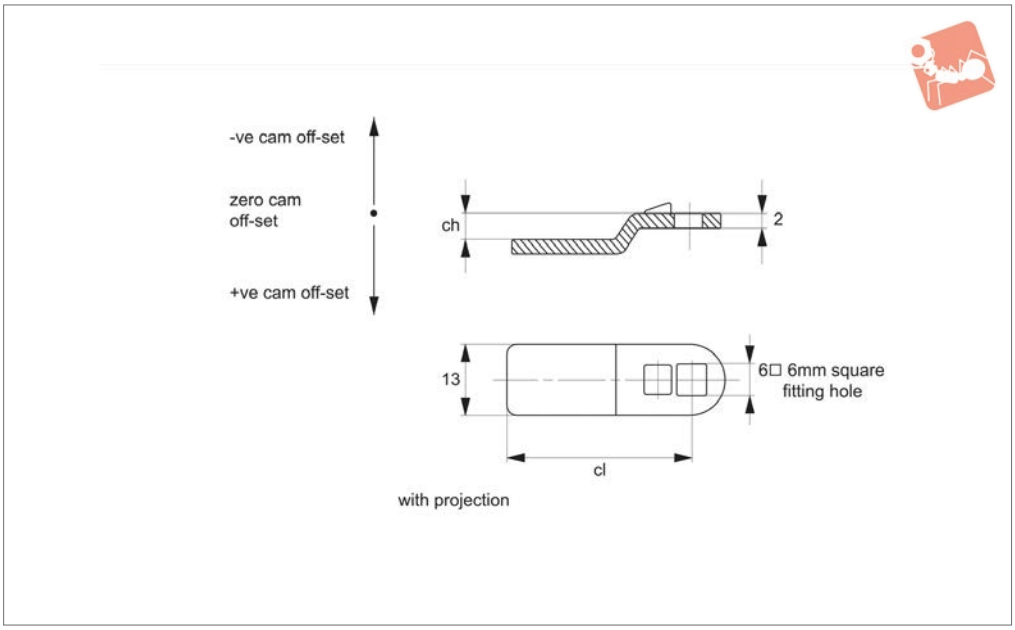


Single Point Cams - 6 x 6 Sq.

for cam latches A1261, A1281 and A2390



A0261



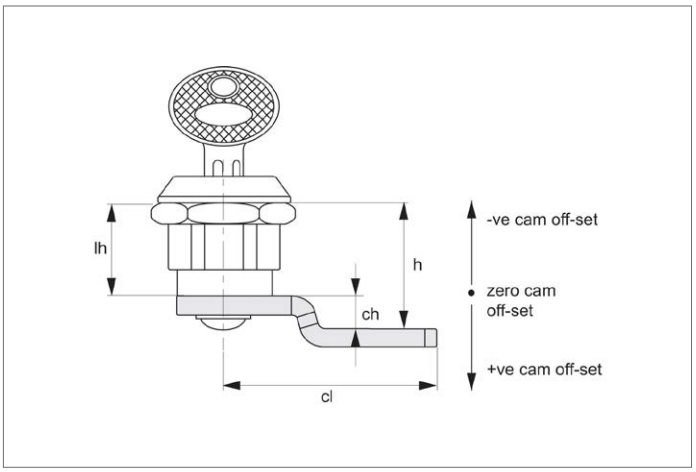
Material
Steel, zinc plated.

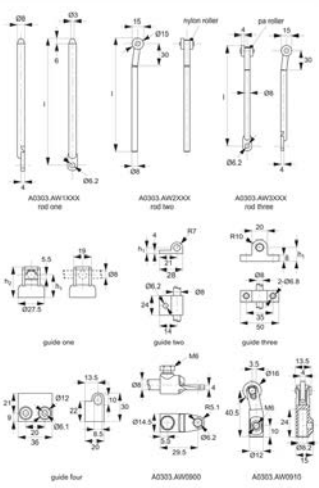
Technical Notes
Use formula to calculate ch (required cam off-set), and select from product table below;
ch = h - lh where;

ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see individual latch/lock product table).
Refer to installation drawing below.

Important Notes
With projection type ensures correct location and prevents cam rotating over 45°.
See cam selection chart for specific latch/lock suitability.
Sold subject to pack quantity.

Order No.	ch	cl	Where lh = 18 h =	Where lh = 18,5 h =	Where lh = 20 h =	Where lh = 25 h =	Where lh = 30 h =	Where lh = 40 h =	Where lh = 50 h =	Where lh = 60 h =
A0261.AW0200	0	25	18	18.5	20	25	30	40	50	60
A0261.AW0206	6	25	24	24.5	26	31	36	46	56	66
A0261.AW0296	-6	25	12	12.5	14	19	24	34	44	54
A0261.AW0307	7	30	25	25.5	27	32	37	47	57	67





A0303

Material
Rod: steel, zinc plated. With Nylon or PA6 rollers.
Rod Guides One to Four: polyamide, PA6.
Rod Adaptor and Roller Adaptor: die cast zinc, zinc plated.

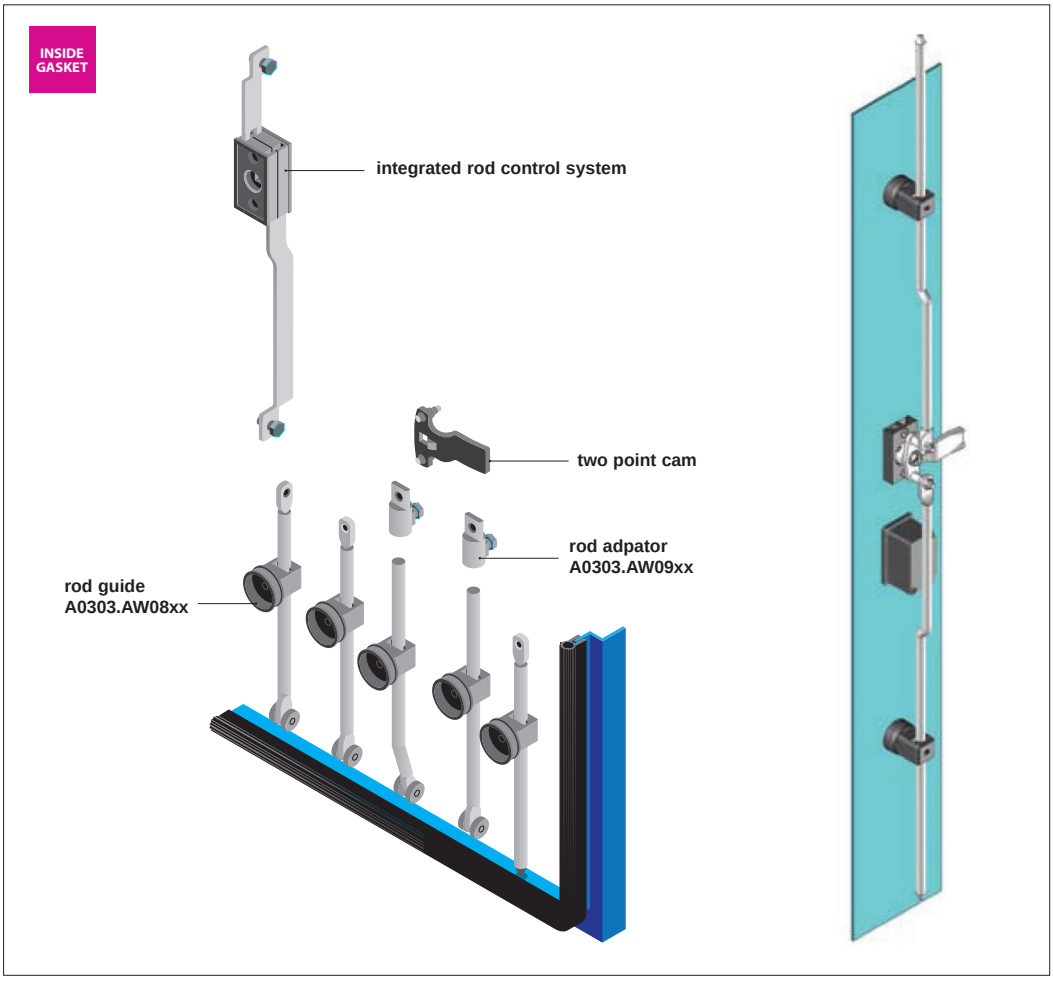
Technical Notes
For use with cam latches & locks, making a full 3-point latching system.
Distance between base of rod and inside of door depends upon height of rod guide selected, see dimension h_1.
Rod guides: fixed via counter sunk screw or weld-on stud.
Rod adaptor: fits to any length of rod. If rod of different length is required, simply cut oversized length with a saw.
Cams: see two point cams A0240 to achieve 3-point locking.

Important Notes
Please order rods, rod guides and rod adaptors separately.

Order No.	Type	Length l	h_1	h_2	Weld screw
A0303.AW0861	Guide One	-	24	32	M 6 x 16
A0303.AW0862	Guide One	-	30	38	M 6 x 20
A0303.AW0863	Guide One	-	34	42	M 6 x 20
A0303.AW0881	Guide Two	-	7	-	-
A0303.AW0882	Guide Three	-	18	-	-
A0303.AW0883	Guide Four	-	22	-	-
A0303.AW0900	Rod Adaptor	-	-	-	-
A0303.AW0910	Roller Adaptor	-	-	-	-
A0303.AW1060	Rod One	600	-	-	-
A0303.AW1080	Rod One	800	-	-	-
A0303.AW1100	Rod One	1000	-	-	-
A0303.AW2060	Rod Two	600	-	-	-
A0303.AW2080	Rod Two	800	-	-	-
A0303.AW2100	Rod Two	1000	-	-	-
A0303.AW3060	Rod Three	600	-	-	-
A0303.AW3080	Rod Three	800	-	-	-
A0303.AW3100	Rod Three	1000	-	-	-

Product Selection for Multi-point Latching Set

Applications inside the gasket



Round rod and accessories compatability

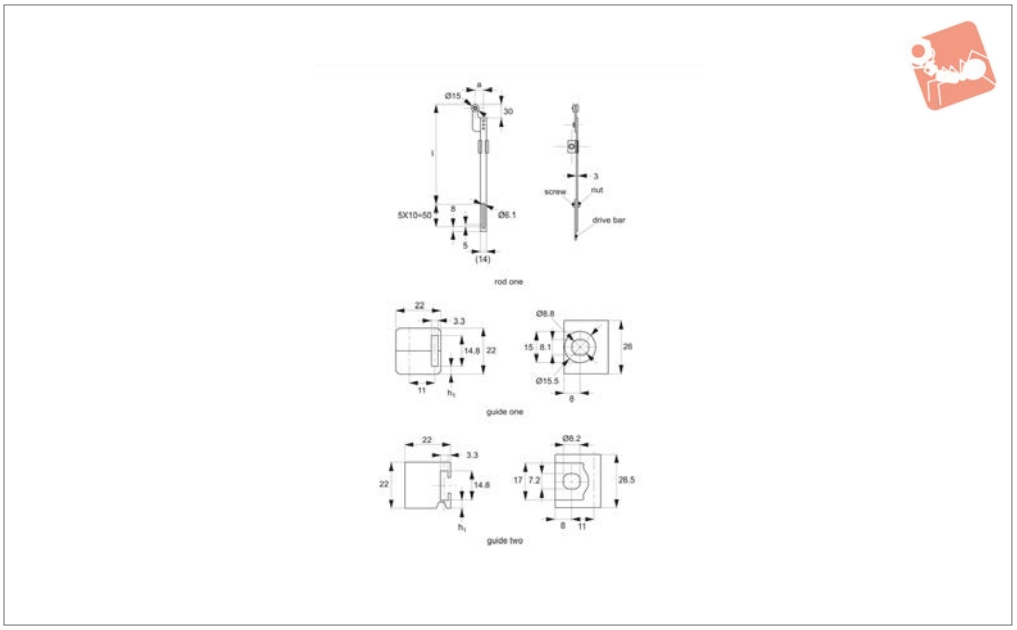
Round rod type	Rod one	Rod two	Rod three
Part no. A0303 compatible with:	**.AW1xxx**	**.AW2xxx**	**.AW3xxx**
Two point cam (A0240)	✓	✓	✓
Integrated rod control systems	✓	✘	✘
Required accessories:			
Rod guide A0303.AW08xx	✓	✓	✓
Rod adaptor A0303.AW0900	✘	✓	✘
Roller adaptor A0303.AW0910	✓	✘	✘

Note: Use of rod guide is essential for all applications.

Ordering example for complete rod set

To suit a single enclosure door, where h1 (height between base of rod and inside of door) = 24mm.

1 x A0303.AW2100 - round rod (pkt of 2).
1 x A0303.AW0861 - rod guide (pkt of 2), h1 = 24mm.
1 x A0303.AW0900 - rod adaptor (pkt of 2).



A0321

Material
Rod: steel, zinc plated. With nylon or PA6 rollers.
Rod guides One and Two: polyamide, PA6.

Technical Notes
For use with cam latches & locks, making a full 3-point latching system. Distance between base of rod and inside of door depends upon height of rod guide selected, see dimension h_1.
Rod guides: fixed via counter sunk screw or weld-on stud.

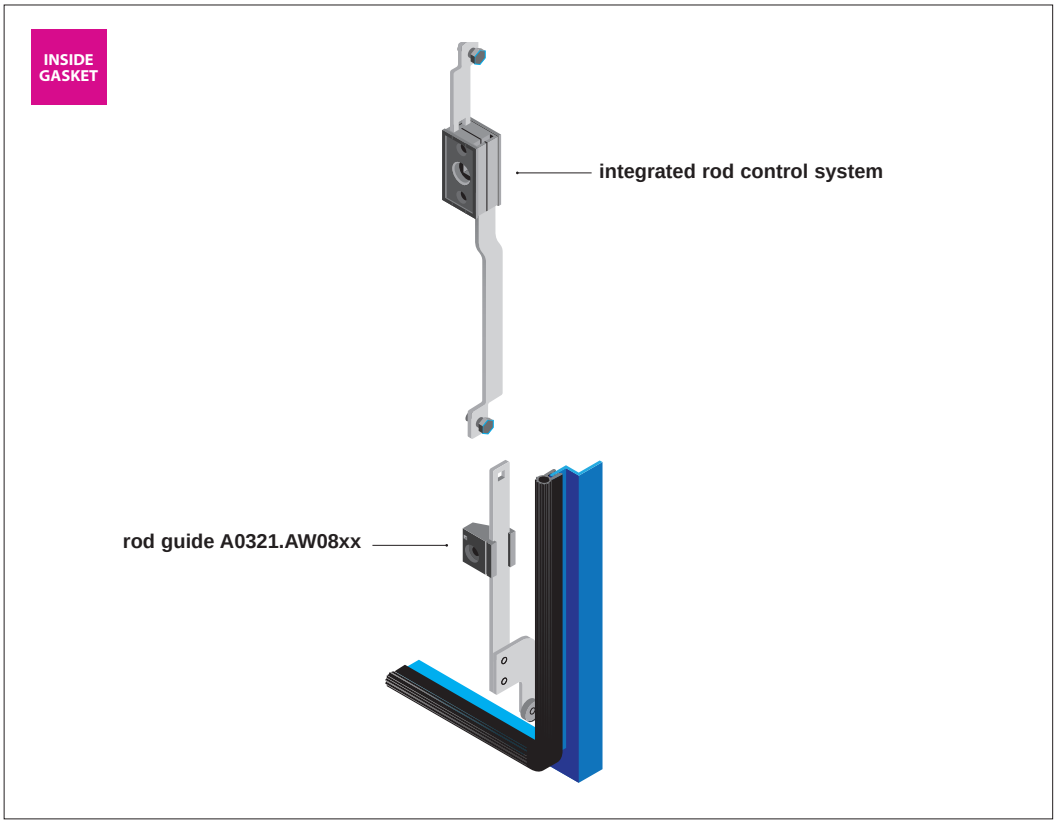
Cams: see two point cams A0240 to achieve 3-point locking.

Important Notes
Please order rods and guides separately.

Order No.	Type	Length	a	h_1	Weld screw
A0321.AW1118	Rod One	1000	18.5	-	-
A0321.AW1122	Rod One	1000	22.5	-	-
A0321.AW1127	Rod One	1000	27.5	-	-
A0321.AW1135	Rod One	1000	35.0	-	-
A0321.AW0800	Guide One	-	-	3.6	M 6x16
A0321.AW0820	Guide Two	-	-	3.6	M 6x16

Product Selection for Multi-point Latching Set

Applications inside the gasket



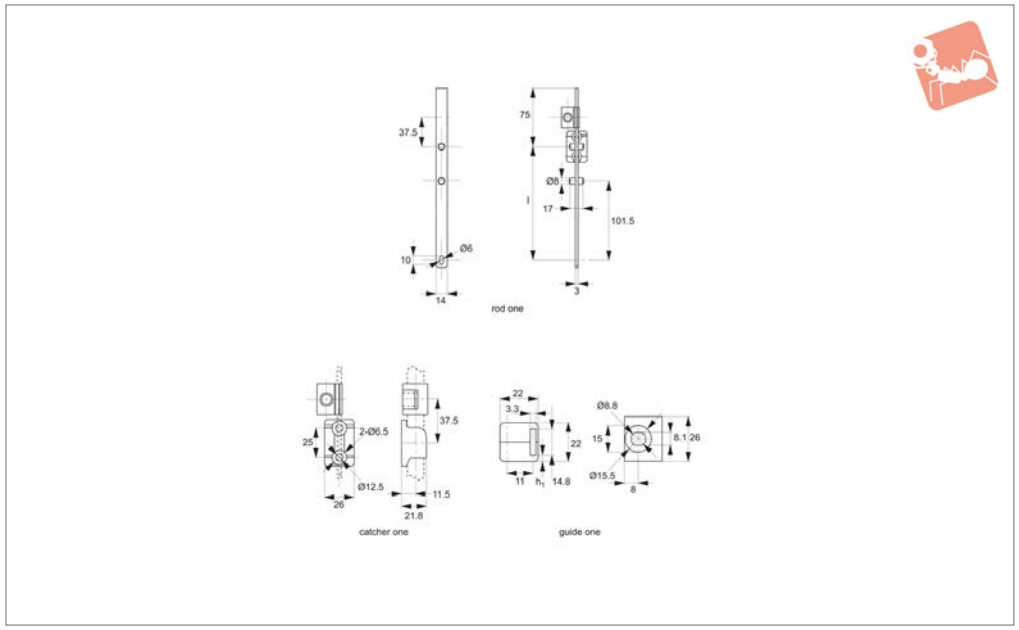
Round rod and accessories compatibility

Round rod type	Rod one
Part no. A0321 compatible with:	**.AW01xx**
Two point cam (A0240)	✓
Integrated rod control systems	✓
Required accessories:	
Rod guide A0321.AW08xx	✓

Note: Use of rod guide is essential for all applications.

Ordering example for complete rod set

To suit a single enclosure door, where h1 (height between base of rod and inside of door) = 3,6mm.
1 x A0321.AW0118 - flat rod (pkt of 2).
1 x A0321.AW0800 - rod guide (pkt of 2), h1 = 3,6mm.



A0325

Material
Rod: steel, zinc plated.
Rod Guides One: polyamide, PA6.
Rod Catcher: die cast zinc, black.

Technical Notes
For use with cam latches & locks, making a full 3-point latching system. Distance between base of rod and inside of door depends upon height of rod guide selected, see dimension h_1.
Rod guides: fixed via counter sunk screw or weld-on stud.

Cams: see two point cams A0240 to achieve 3-point locking.

Important Notes
Please order rods, rod guides and rod catcher separately.

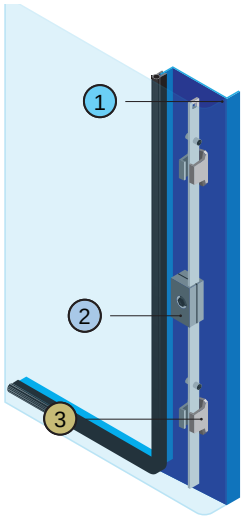
Order No.	Type	Length l	h_1
A0325.AW1070	Rod One	760	-
A0325.AW0800	Rod Guide	-	3.6
A0325.AW0900	Rod Catcher	-	-

Wixroyd Multi-point Latching Set

product selection

Applications outside the gasket

OUTSIDE GASKET



1. Multi-Point latching rod A0325.AW1070
2. Flat rod guide A0321.AW0800
3. Rod catcher A0325.AW0900

Round rod and accessories compatability

Round rod type	Rod one
Part no. A0325 compatible with:	.AW01xx
Two point cam (A0240)	✓
Integrated rod control systems	✓
Required accessories:	
Rod guide A0325.AW0800 	✓
Rod catcher A0325.AW0900 	✓

Note: Use of rod guide is essential for all applications.

Ordering example for complete rod set

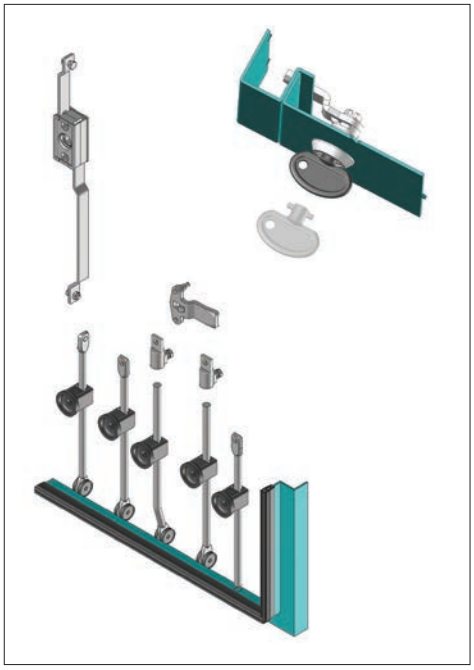
To suit a single enclosure door, where h1 (height between base of rod and inside of door) = 3,6mm.
1 x A0325.AW1070 - flat rod (pkt of 2).
1 x A0325.AW0800 - rod guide (pkt of 2), h1 = 3,6mm.
1 x A0325.AW0900 - rod catcher (pkt of 2).

The Benefits of Multi-point Latching

Many industrial cabinets are made of low gauge sheet metal. These often flex under their own weight and can be forced outward due to pressure from the cabinet's internal environment (i.e. air pressure). While a gasket or seal will improve performance, all round consistent sealing is often not achieved because only a single point locking latch is used - to achieve optimum all round sealing a multi-point latching system is required.

What is multi-point latching

For larger cabinets the use of Wixroyd rods and rod guides provide a multi-point latching system locking at two, three or more points on the cabinet - often these points are at the top, bottom and middle of the cabinet.



How does multi-point latching work?

With each multi-point latching system there will be an actuating cam latch, lock or swing handle - attached to these, inside of the cabinet, are a cam and two latching rods.

When the latch is actuated to close, the cam engages with the door frame to provide the first point of locking, while at the same time one of the latching rods moves upwards, while the other down and engages with the top and bottom of the cabinet frame respectively, to provide the second and third points of locking.

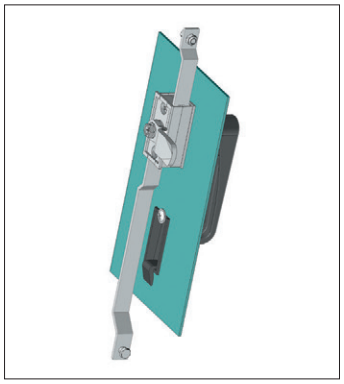
Multi-point latching systems can be installed both inside and outside of the cabinet gasket.

Wixroyd multi-point latching systems provide flexible options for locking at several points of a cabinet; increasing security, improving environmental control within a cabinet, and greater stability of tall cabinets.

Different approaches to multi-point latching

1. In conjunction with a standard cam latch, lock or swing handle, use a multi-point cam (A0240) and a latching rod set (A0303, A0321, A0325) to achieve three points of locking.

2. In conjunction with a standard cam latch, lock or swing handle, use a two point locking adapator A0243 and a latching rod set (A0303, A0321, A0325) to achieve two points of locking.



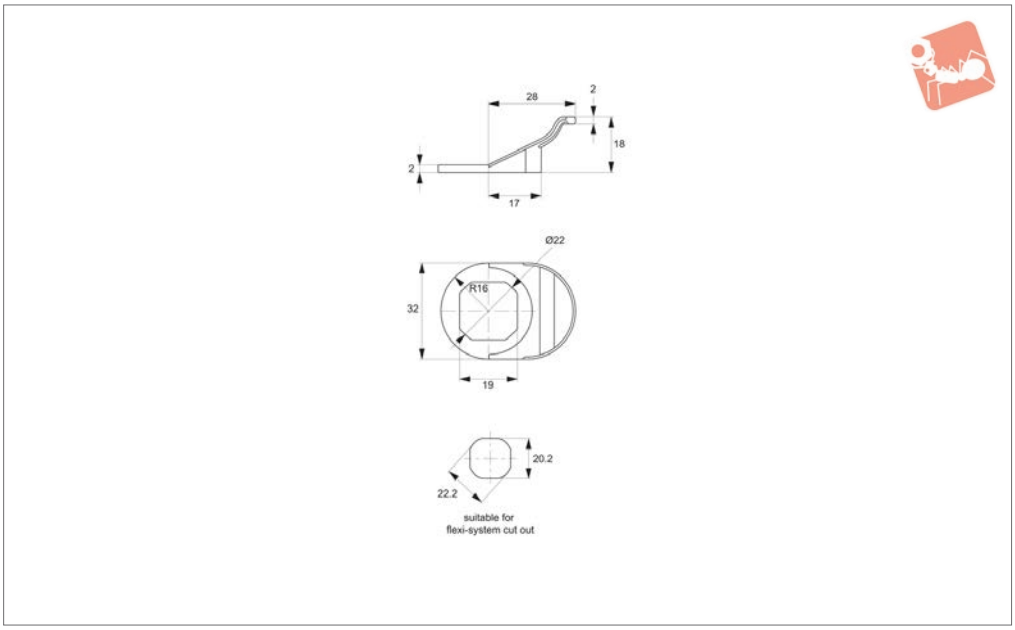
3. We have a range of swing handles and flush T-handle cam latches with integrated rod control systems. These integrated systems make attachment of latching rod sets far simpler and far more robust. Together they achieve three points of locking.

ov-WA0303-A-TCC0340-WA0325-A-TCC0355-benefits-multi-point-latching-rnh- Updated -26-10-2022

Finger Pulls

for flexi-system cam latches and locks

A0352



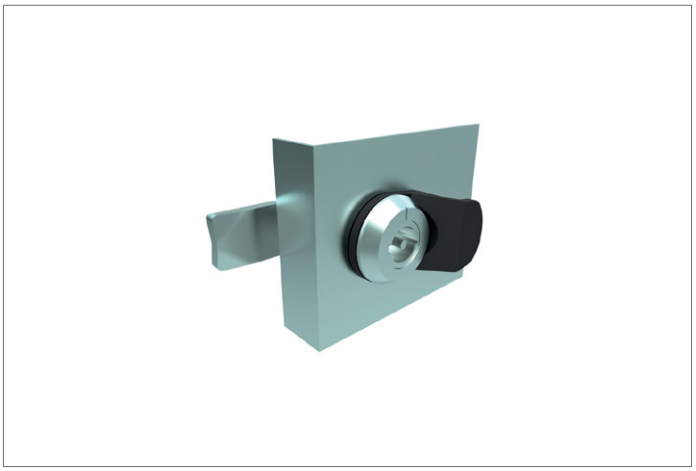
Material
Body: polyamide DIN-EN ISO 1043-1 PA 6 GFR 30, black.

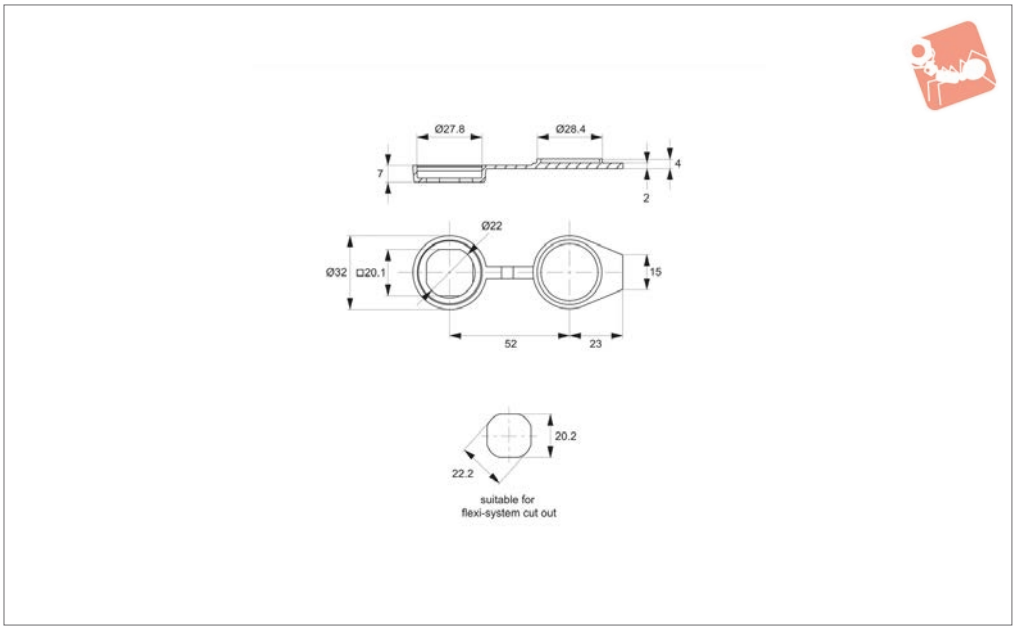
Technical Notes
Suitable for all Flexi-System latches with cut-out of 22,2 dia. / 20,2 square. Please order cam latch/lock separately, see parts A1002 to A1252.

Tips
Note when finger pull used the cam latch useful body length ‚lh' is reduced by 2mm. This is important in relation to selection of suitable cam.

Important Notes
Sold subject to pack quantity.

Order No.	To suit flexi-system fastener
A0352.AW0028	22,2 Dia Installation Cut Out





A0360

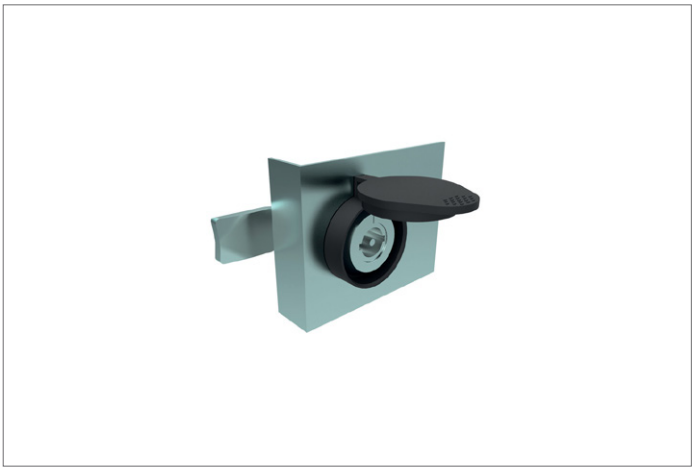
Material
Body: polyamide, black.

Technical Notes
Fits all Flexi-System cam latches & locks, and other fasteners with a standard installation cut out of 22,2 dia / 20,2 square.

Tips
Note when dust cap used the cam latch useful body length ‚lh' is reduced by 2mm. This is important in relation to selection of suitable cam.

Important Notes
Sold subject to pack quantity.

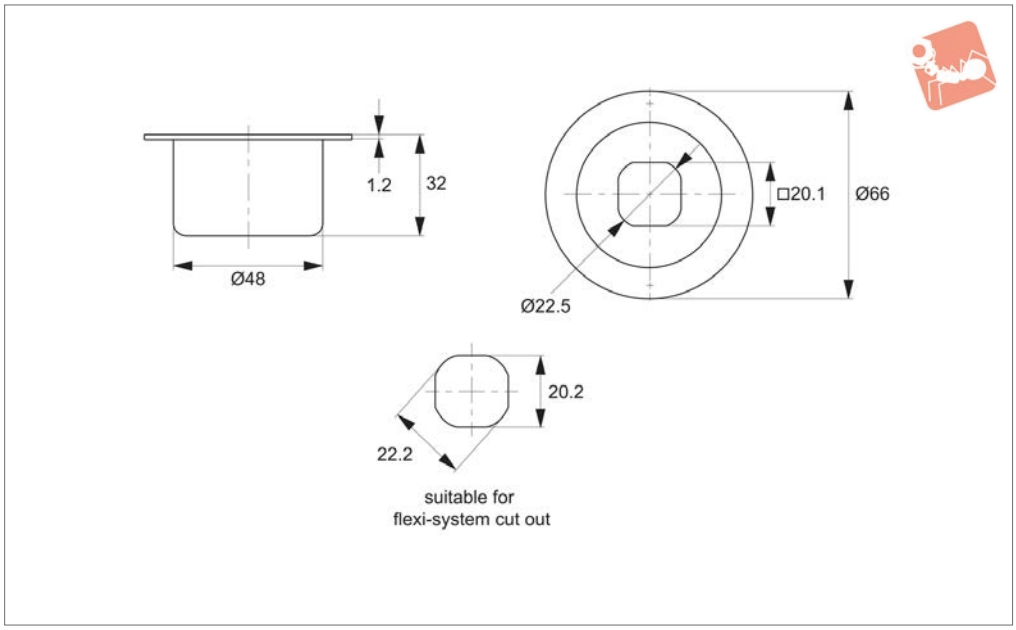
Order No.	Type
A0360.AW0010	Polyamide



Recessed Spacer - for Isolation Panels

for flexi-system cam latches and locks - steel

A0420



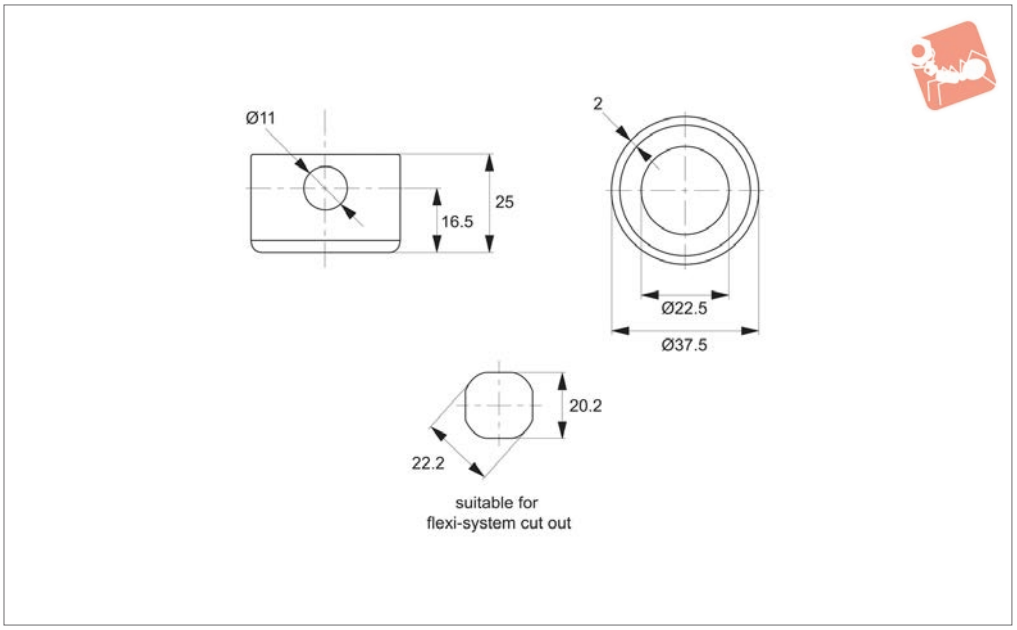
Material
Body: steel, zinc plated.

Technical Notes
For use on isolation panels and other thick doors, enables near flush fitting of cam latch or lock through recessed fixing of the cam body.

Tips
Suitable for all our Flexi-System cam latches and locks with a 22,2 dia. installation cut out.
Especially suited to our extended body latch no. A1250.

Important Notes
Sold subject to pack quantity.

Order No.	To suit flexi-system latch
A0420.AW0022	22,2 Dia. Installation Cut Out



A0440

Material
Steel, black coated or stainless AISI 304.

Technical Notes
Prevents access to the fastener. Can be locked with a suitable padlock (max shakle dia. 11mm). Alternatively use 2 fasteners and a steel bar to prevent actuation of lock.

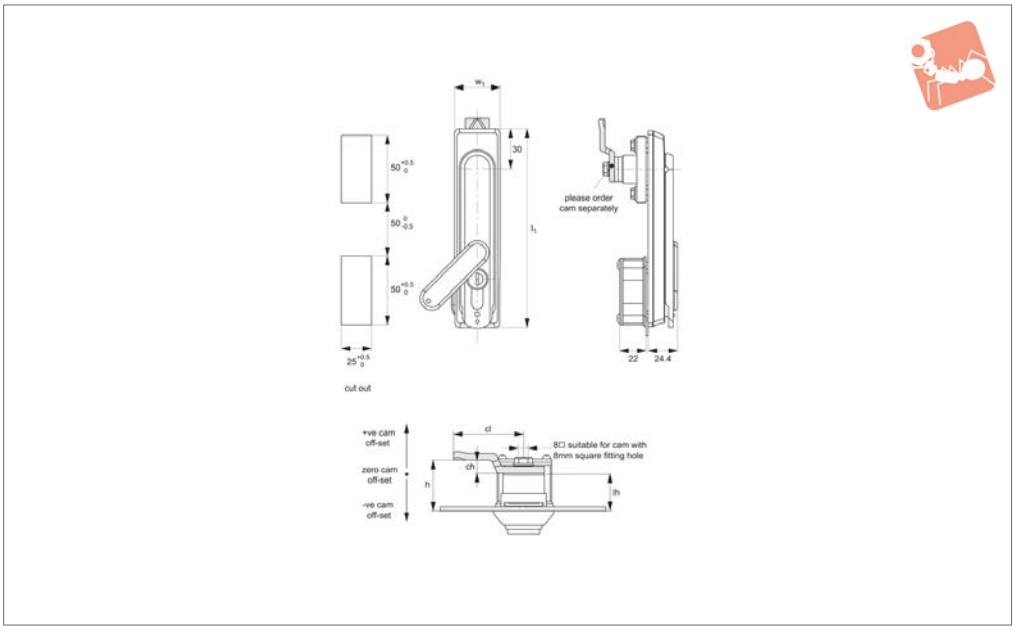
Tips
For use with flexi-system cut out. Installs under the latch. Note when converter used the cam latch useful body length „lh" is reduced by 2mm. This is important in relation to selection of suitable cam.

Order No.	Material
A0440.AW0010	Steel - Black Coated
A0440.AW0020	Stainless Steel

Swing Handles - Cam Control

40mm euro cylinder lock - dust cover

B1082



Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

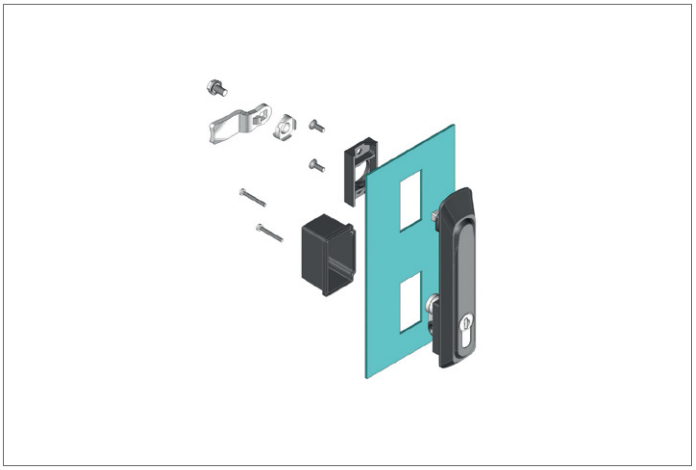
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

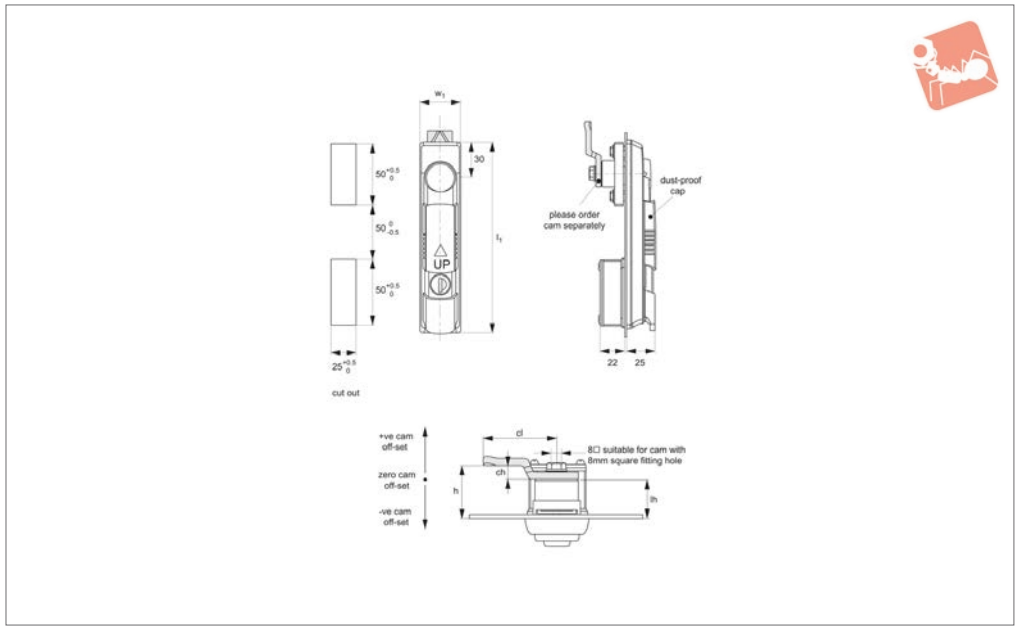
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

90° degree handle rotation combines with rod latch to open or close. All die cast metal construction provides higher strength than standard models. Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 1 to 4mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Type	Body	Lock type	Handle	Padlockable	Key type	l_1	w_1	lh
B1082.AW0010	One	Zinc	40 Euro	Zinc	No	Keyed Alike	160	34	19
B1082.AW0020	One	Zinc	40 Euro	Zinc	Yes	Keyed Alike	160	34	19
B1082.AW0310	Two	Polyamide	40 Euro	Zinc	No	Keyed Alike	160	34	19
B1082.AW0320	Two	Polyamide	40 Euro	Zinc	Yes	Keyed Alike	160	34	19





B1086

Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated. Foaming seal to achieve IP54 rating.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

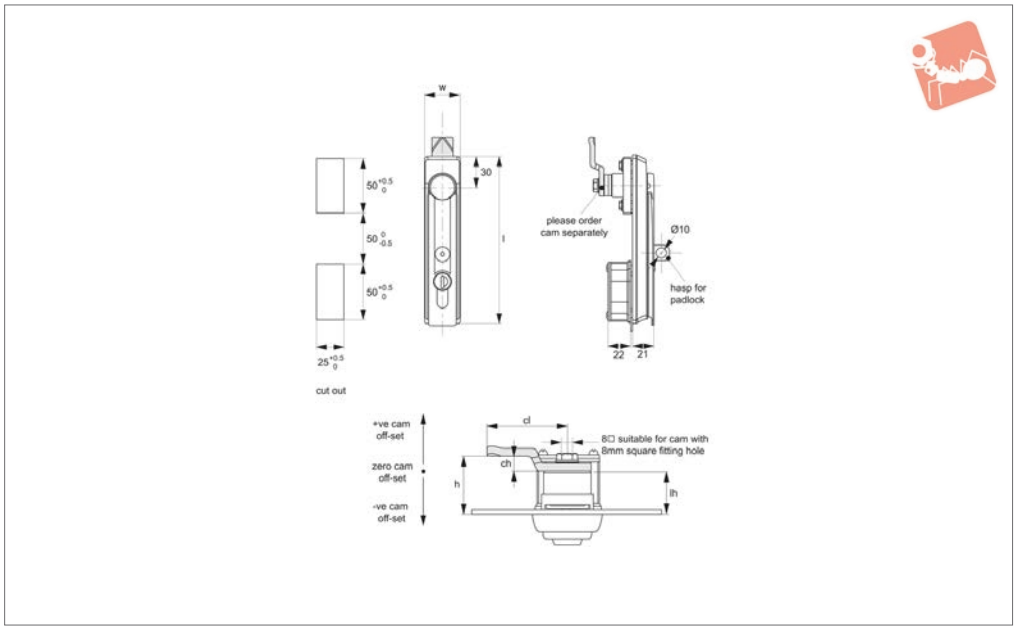
90° degree handle rotation combines with rod latch to open or close. All die cast metal construction provides higher strength than standard models. Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 2mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Type	Body	Handle	Key type	l_1	w_1	lh
B1086.AW0010	One	Zinc	Zinc	Keyed Alike	160	34	19
B1086.AW0310	Two	Polyamide	Zinc	Keyed Alike	160	34	19

Swing Handles - Cam Control

40mm euro cylinder lock - padlockable - zinc or

B1088



Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

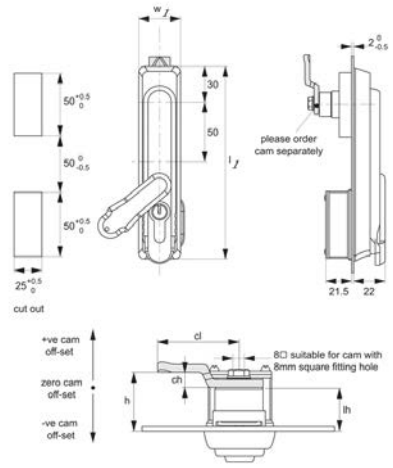
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

90 degree handle rotation combines with rod latch to open or close. All die cast metal construction provides higher strength than standard models. Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 1 to 4mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Type	Body	Lock type	Handle	Padlockable	Key type	l	w	lh
B1088.AW0010	One	Zinc	40 Euro	Zinc	No	Keyed Alike	160	34	19
B1088.AW0310	Two	Polyamide	40 Euro	Zinc	No	Keyed Alike	160	34	19
B1088.AW0020	One	Zinc	40 Euro	Zinc	Yes	Keyed Alike	160	34	19
B1088.AW0320	Two	Polyamide	40 Euro	Zinc	Yes	Keyed Alike	160	34	19



B1091

Material
Body & Handle: polyamide, PA6, black.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

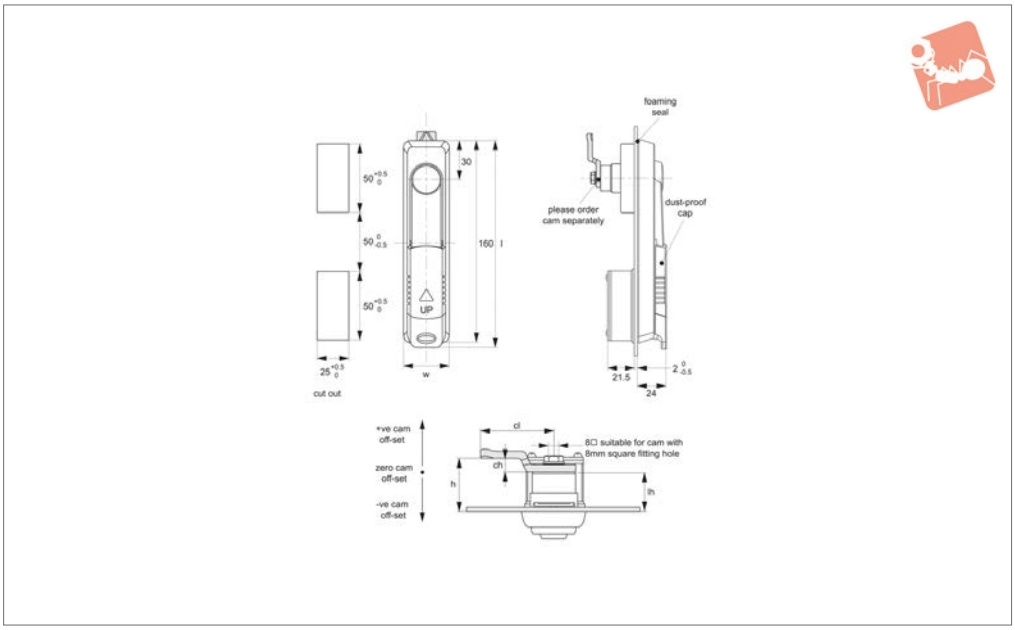
Tips
Also available with radial pin lock, subject to min. order quantity.
Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 2mm. For use inside of cabinet gasket.
Universal left/right.

Order No.	Finish	Lock type	Key type	l_1	w_1	lh
B1091.AW0020	Black, Plastic	40 Euro	Keyed Alike	160	35	16

Swing Handles - Cam Control

40mm euro cylinder lock - dust proof cover - plastic

B1092



Material

Body & Handle: polyamide, PA6, black.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

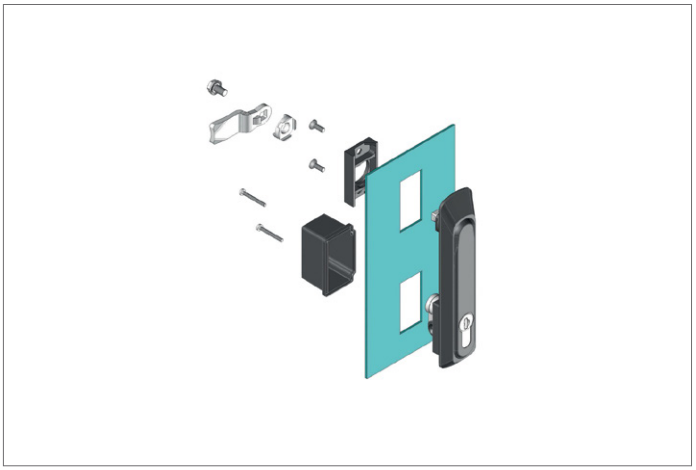
Technical Notes

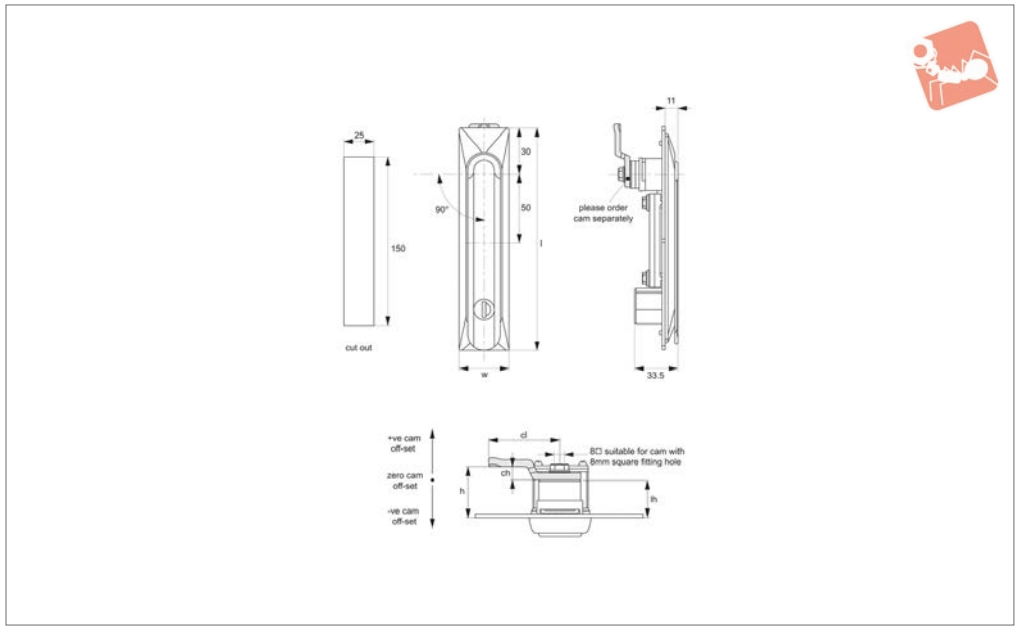
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 2mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Finish	Lock type	Key type	l	w	lh
B1092.AW0010	Black, Plastic	40 Euro	Keyed Alike	165	35	16





B1180

Material
Body & Handle: die cast zinc, pocked black power coated.
Polyurethane gasket: to achieve IP65 rating.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes
Order cam separately.

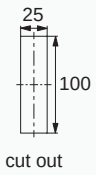
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Finish	Lock type	Key type	l	w	lh
B1180.AW0010	Black Coated	Std. Cylinder	Keyed Alike	160	36	20

Wixroyd Swing Handles

product selection charts

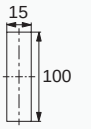


Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection

B1180 - Swing Handle

✓				✓					54	✓	✓	✓	✓			✓

Cams: A0203, A0224, A0240 - Keys: Supplied



Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection

B4584 - Cam Latch - Flush T-handle, Vertical - Heavy Duty

✓					✓							✓	✓			✓

Cams: Supplied - Keys: Supplied

B4586 - Cam Latch - Flush T-handle, Vertical - Heavy Duty

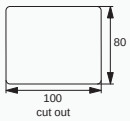
✓					✓						✓		✓			✓

Cams: Supplied - Keys: Supplied

B4588 - Cam Latch - Flush T-handle, Vertical - Heavy Duty

✓					✓						✓		✓			✓

Cams: Supplied - Keys: Supplied

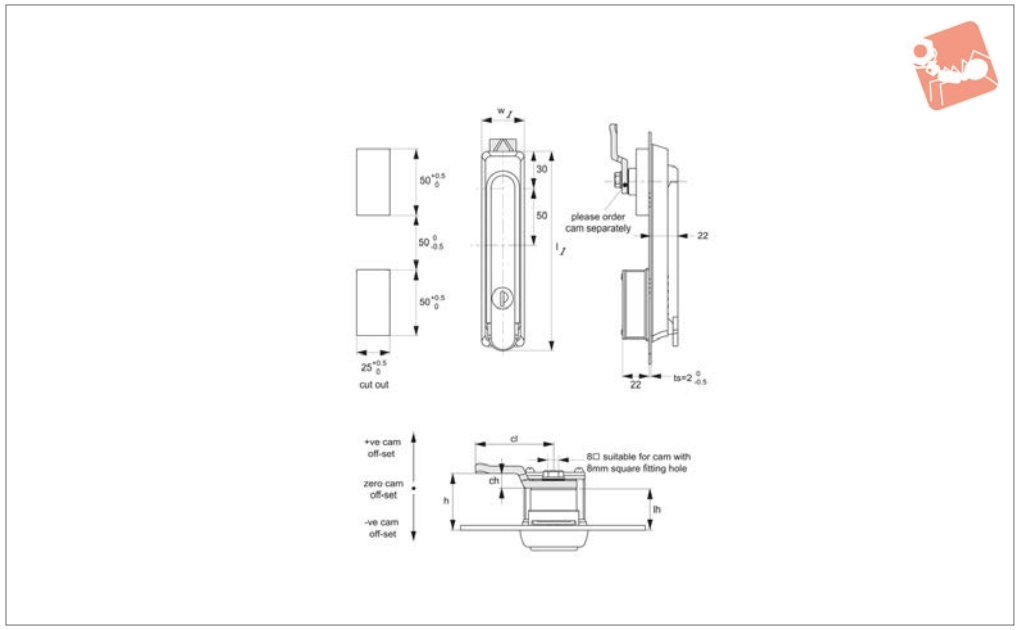


Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection

B4590 - Cam Latch - Flush T-handle - Heavy Duty

✓					✓						✓		✓			✓

Cams: Supplied - Keys: Supplied



B1281

Material
Body & Handle: polyamide PA6, black.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes
Order cam separately.
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

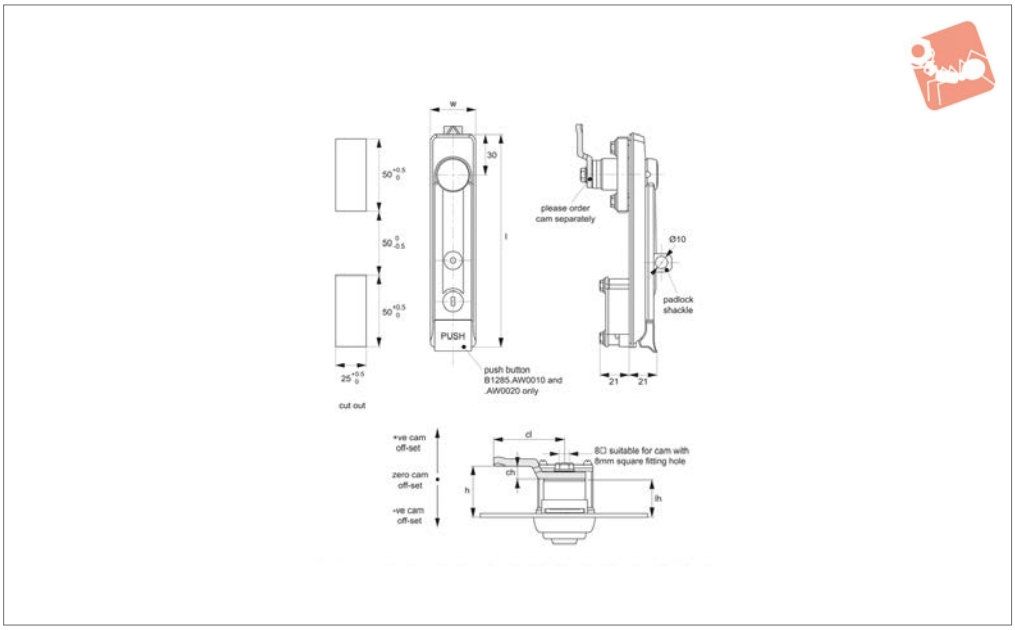
Tips
For use in electrical cabinets, telecom racks or enclosures. Max. panel thickness of 2mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Finish	Lock type	Key type	l_1	w_1	lh
B1281.AW0010	Black, Plastic	Std. Cylinder	Keyed Alike	160	35	16

Swing Handles - Cam Control

standard cylinder lock - padlockable - zinc

B1285



Material

Body & Handle: die cast zinc, black powder coated.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: please order separately.

Technical Notes

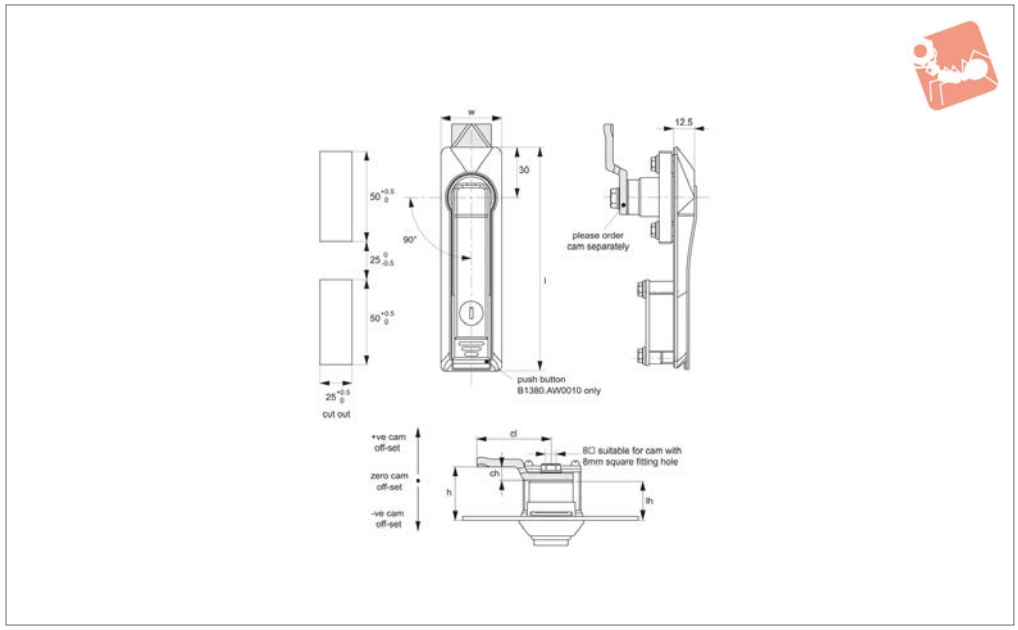
Order cam separately.

Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Type	Lock type	Padlockable	Key type	l	w	lh
B1285.AW0010	With Button	Std. Cylinder	No	Keyed Alike	158	34	19
B1285.AW0020	With Button	Std. Cylinder	Yes	Keyed Alike	158	34	19
B1285.AW0030	W/o Button	Std. Cylinder	No	Keyed Alike	158	34	19
B1285.AW0040	W/o Button	Std. Cylinder	Yes	Keyed Alike	158	34	19

Swing Handles - Cam Control - Short

standard cylinder - push button - zinc



B1380

Material

Body & Handle: die cast zinc, black painted.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Key: two per lock.
Not supplied: Cam: please order separately.

Technical Notes

Order cam separately.

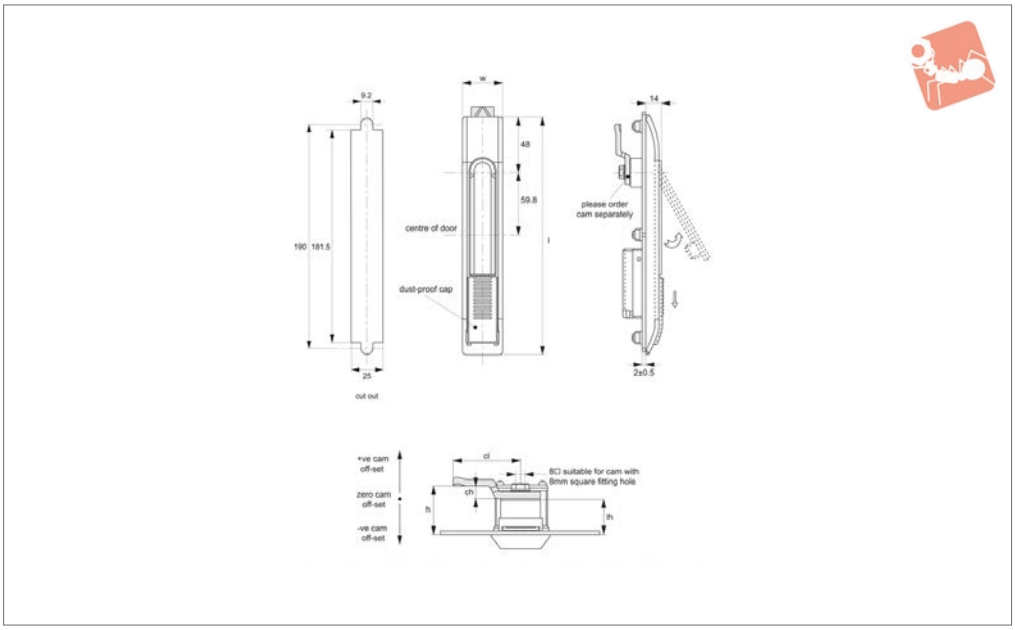
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Type	Lock type	Key type	l	w	lh
B1380.AW0010	With Button	Std. Cylinder	Keyed Alike	133	36	19
B1380.AW0020	W/o Button	Std. Cylinder	Keyed Alike	133	36	19

Swing Handles - Cam Control

40mm euro cylinder - sliding cover - polyamide

B1450



Material
Body & Handle: die cast zinc, black powder coated.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes
Order cam separately.

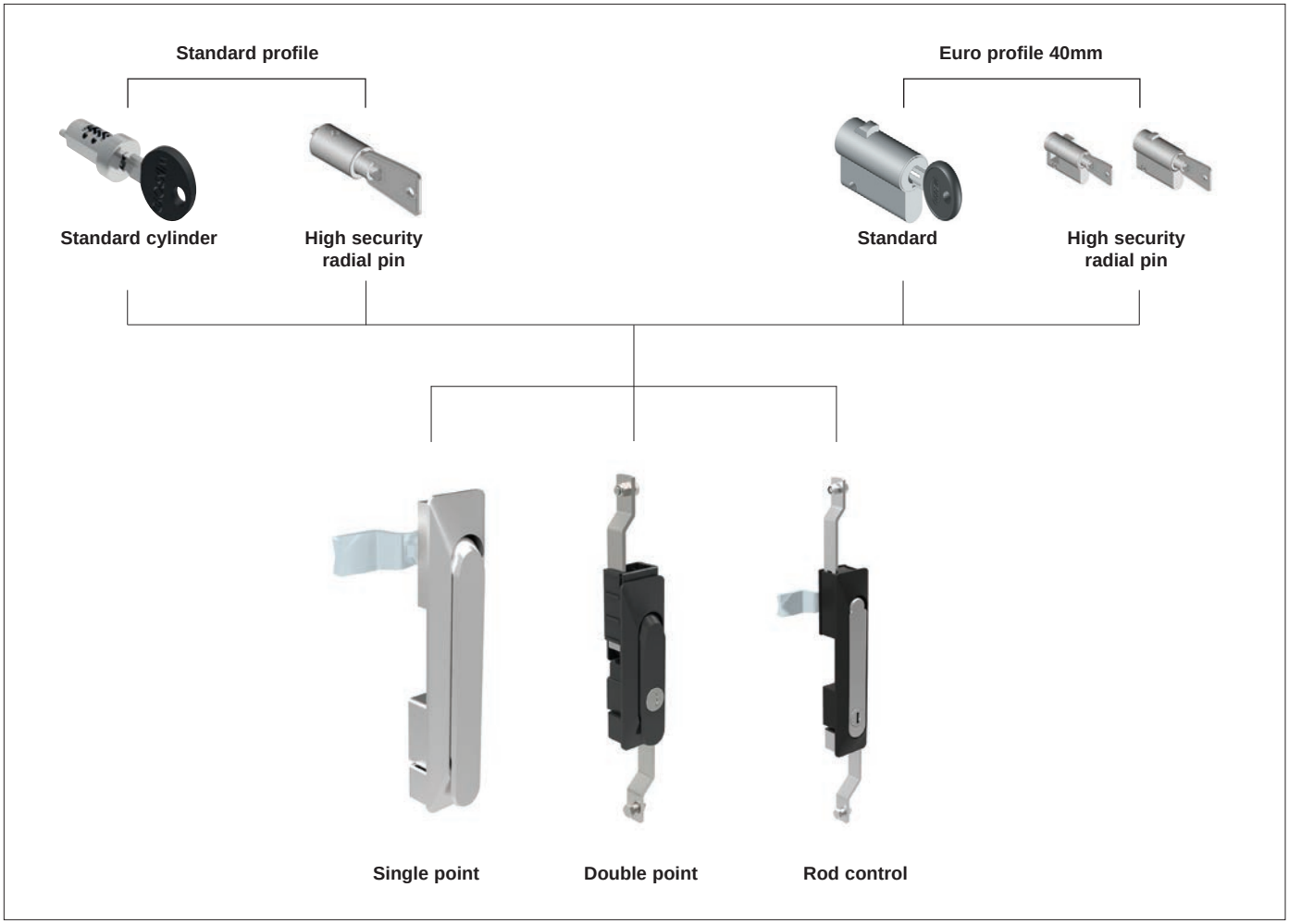
Cams: see suitable cam A0203, A0224 and A0240. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.

h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Order No.	Finish	Lock type	Key type	l	w	lh
B1450.AW0010	Black Coated	40 Euro	Keyed Alike	215.5	36	20

Wixroyd swing handles are a complete multi-point latching system with an ergonomic and stylish design, making them ideal for securing enclosures in applications as varied as telecoms, IT, electrical cabinets, special purpose machines, vending and gaming machines.

Swing handles

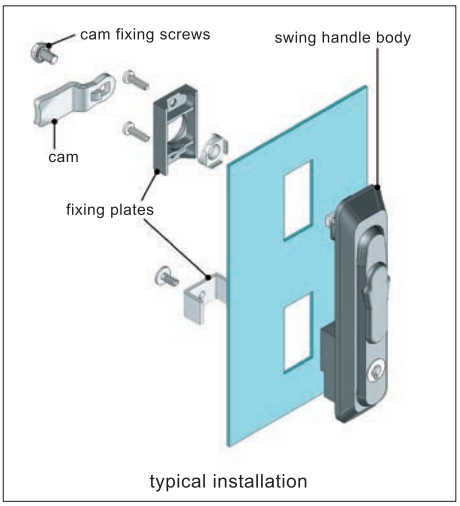


Easy Action - Upon unlocking, the handle lever springs forward and can be turned 90° to unfasten the cam and open the panel.

With many models supplied with easy to use mounting brackets, Wixroyd swing handles can be installed with minimum fuss.

Follow these guides:

1. Prior to commencing ensure the swing handle body, mounting bracket plate and cam are unassembled. Due to their unique integral foam gasket Wixroyd swing handle latches do not require a separate gasket.
2. Present handle body to the installation cut out in the panel.
3. Position mounting bracket, and attach with the screws supplied.
4. Attach cam to swing handle body, ensuring its correct orientation to the panel frame.



typical installation

Installation

Selecting the Correct Swing Handle

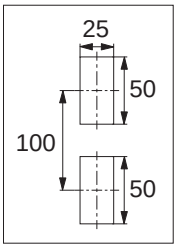
When selecting a Wixroyd Swing Handle for your application, you need to answer these questions:

1. Which installation cut out?
2. How many latching points are required?
3. Variety of material?
4. Gasketting and sealing?
5. Which locking and activation method?
6. Which accessories?
7. Which cam type and size?

Step 1: Which installation cut out?

Wixroyd Swing Handles are available in one of seven different cut out sizes, please refer to individual product details for availability.

If your application has a pre-existing cut out, then you need to select a replacement swing handle with a matching installation cut out.

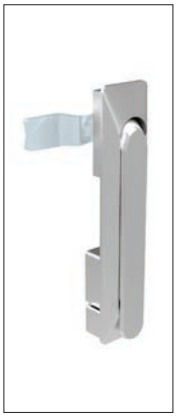


Step 2: How many latching points?

1, 2, 3 or more

Wixroyd Swing Handles provide a completely flexible multi-point latching system, for either one, two, three or more points of securing a cabinet or enclosure, when used in conjunction with our latching rod sets A0303 to A0325.

- Single point latching – Standard swing handle and single point cam.
- Double point latching – Swing handle with rod control mechanism (no cam).
- Three point or more latching – Swing handle with rod control mechanism and multi-point cam.



Single point Latching

Double point latching

Three point or more latching

Step 3: Variety of materials

Plastic PA6

Die-cast zinc

Step 4: Gasketting and sealing

INSIDE GASKET | OUTSIDE GASKET

IP65 RATED

Inside or outside the gasket

It is also important to consider whether the swing handle will be mounted inside or outside of the gasket. Refer to individual products for suitability.

Application sealing protection

The unique design feature of a foam gasket incorporated into the housing of most of our swing handle latches, provides additional sealing in the application andcontributes toward the IP65 (NEMA) rating of our swing handle latches.

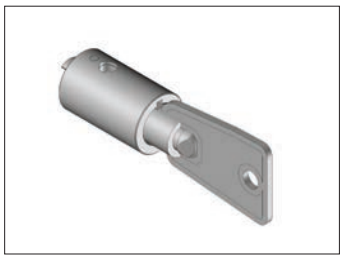
Step 5: Which locking and actuation method?

We offer a range of locking solutions with differing levels of security and anti-vandalism. Please refer to individual product table for availability.

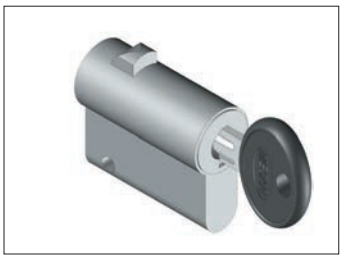
The all brass construction and anti-drill centre of our high security radial pin locks provide excellent resistance to lock picking and vandalism.

With hundreds of thousands of possible key combinations the problem associated with duplicate keys is virtually eliminated.

Standard cylinder



High security radial pin



40mm Euro lock

Step 6: Which accessories?

Padlock hasps

On selected swing handle models we are able to offer the following additional features (please refer to individual product tables for availability).

Gasketing

Wixroyd have a wide range of gaskets which can be used on enclosures, machine panels, doors etc. Refer to our products Z0550 through Z1002.

Multi-point latching

Use parts A0303 to A0325 for suitable rod latching sets and rod guides.

Lock cover

Padlock hasp

Lock cover plus padlock hasp

A0325

Gaskets

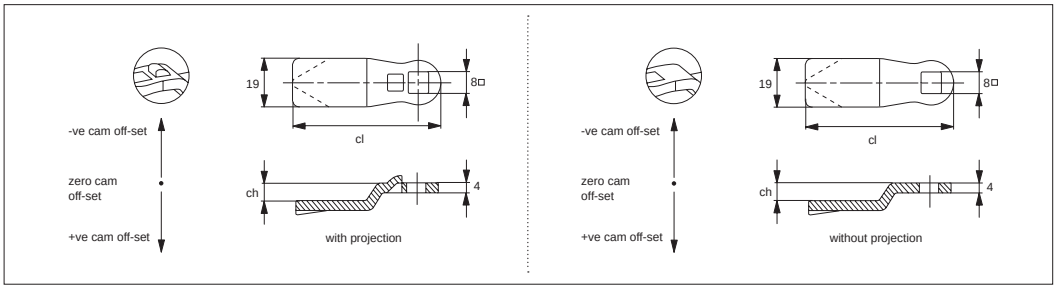
Selecting the Correct Swing Handle

Step 7: Which cam type and size?

Wixroyd cams are available in a number of different materials; zinc plated steel, stainless steel (AISI 304) and black plastic.

With or without "Projection"

Different swing handles require cams either with or without projection.



With projection cams prevent turning of the cam over 45°, but is not suited to all swing handles. For correct projection type please see individual swing handle technical pages.

Calculation of correct cam off-set

This is the most important aspect of the selection process.

Cam off-set (dimension ch)

To ensure your cam fully and correctly engages with the frame of your door the correct cam off-set must be selected. A cam off-set can be either negative (-ve) or positive (+ve).

Cam length (dimension cl)

This impacts the reach of the cam to door frame and hence impacts positioning of swing handle for installation. Cam length is measured from the centre of the cam fixing hole to the cam's leading edge.

Most typically cams are 45 mm in length.

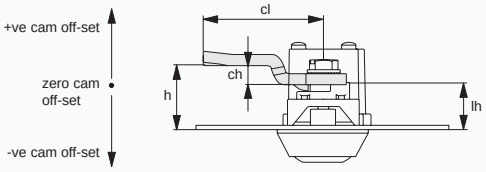
Use formula to calculate ch (required cam off-set), and refer to the cam selction chart.

ch = h - lh where;

ch = the required cam off-set/height

h = grip length (distance between inside of latch face and front of cam).

lh = body length of swing handle to be used (see example below)



Example of calculation of correct cam off-set

Example one

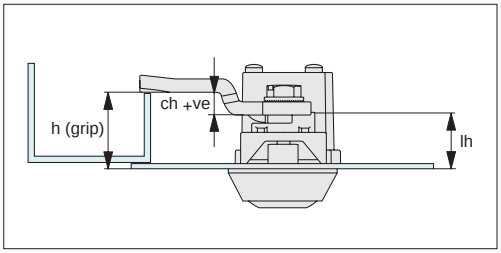
Cam body B1082.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

Known application information: h = 26, lh = 18

Therefore; ch = 26 - 18 = +8

Cam off set of +8 is required

Using the data tables for cams A0203, A0210 and A0240 we can select the following cams without projection with an off set of +8; A0203.AW5408 (steel), A0210.AW0428 (stainless) or A0240.AW1408 (three point cam).



Example two

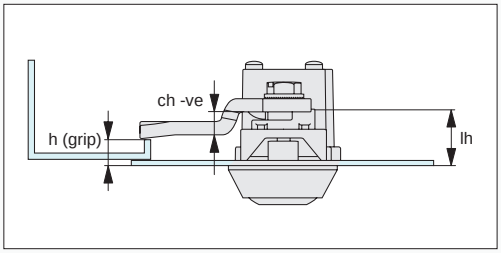
Cam body B1082.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

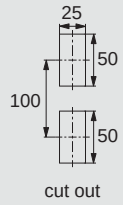
Known application information: h = 14. lh = 18.

Therefore; ch = 14 - 18 = -4

The required cam off set is negative, -4 as the application's door frame is effectively shorter/lower than the length of the cam body

Using the data tables for cams A0203, A0210 and A0240 we can select the following cam without projection with an off set of - 4; A0203.AW6404 (steel) .





	Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
	Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection
B1082 - Swing Handle - Padlockable		✓	✓		✓					65	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1086 - Swing Handle - Dust Proof Cover	✓				✓	✓				65	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1088 - Swing Handle - Padlockable	✓				✓	✓				65	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1091 - Swing Handle - Dust Cover	✓				✓					65	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1092 - Swing Handle - Dust Proof Cover	✓				✓					65	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1281 - Swing Handle - Short	✓				✓					54	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1285 - Swing Handle - Padlockable	✓				✓					54	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B1380 - Swing Handle - Short Version	✓				✓					54	✓	✓	✓	✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	

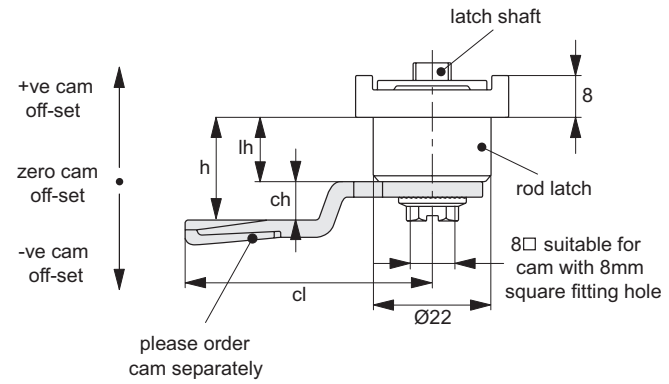
	Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
	Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection
B2082 - Swing Handle - With Rod Control - Dust Proof Cover		✓			✓	✓				54	✓	✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	
B2084 - Swing Handle - With Rod Control - Magnetic Key		✓			✓					54	✓	✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	
B2086 - Swing Handle - With Rod Control - Dust Proof Cover		✓			✓					54	✓	✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	
B2088 - Swing Handle - With Rod Control - Padlockable		✓			✓					65	✓	✓	✓	✓		✓	
Cams: A0215 - Keys: Supplied																	
B2091 - Swing Handle - With Rod Control - Dust Proof Cover		✓			✓	✓					✓	✓	✓	✓			✓
Cams: A2015 - Keys: Supplied																	
B2181 - Swing Handle - With Rod Control		✓			✓						✓	✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	
B2285 - Swing Handle - With Rod Control		✓			✓					65	✓	✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	
B2380 - Swing Handle - with Rod Control		✓			✓					54		✓	✓	✓			✓
Cams: A0215 - Keys: Supplied																	

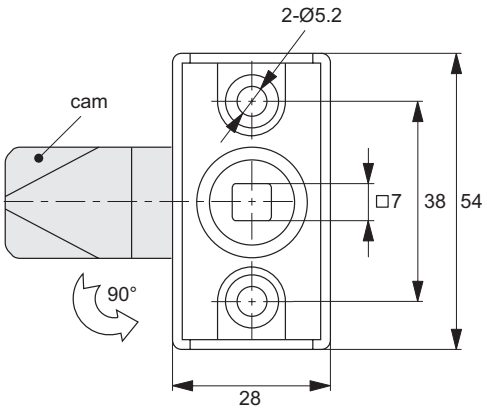
Wixroyd Cam Latches

product selection charts

	Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
	Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection
B1450 - Swing Handles - Cam Control - Sliding Cover																	
		✓			✓						✓	✓		✓			✓
Cams: A0203, A0224, A0240 - Keys: Supplied																	
B2450 - Swing Handles - Rod Control - Sliding Cover																	
		✓			✓						✓	✓	✓	✓			✓
Cams: N/A - Keys: Supplied																	
B4604 - Cam Latch - Concealed T-handle, Vertical																	
		✓						✓		65				✓			
Cams: Supplied - Keys: Padlockable																	
B4703 - Push-to-Close Paddle Latch - Pull-to-Open																	
	✓					✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4713 - Push-to-Close Paddle Latch - Pull-to-Open																	
	✓					✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4733 - Push-to-Close Paddle Latch - Pull-to-Open																	
	✓					✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4750 - Push-to-Close Paddle Latch - Pull-to-Open																	
	✓					✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4752 - Push-to-Close Paddle Latch - Pull-to-Open																	
	✓					✓					✓			✓			
Cams: N/A - Keys: Supplied																	

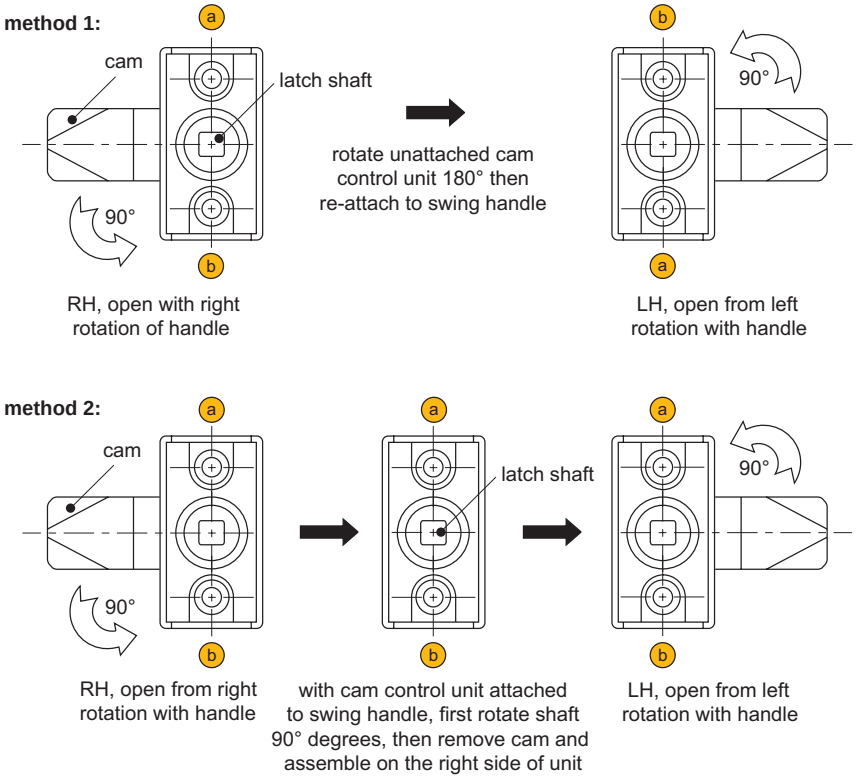
	Cylinder Profile				Body					IP Rating	Locking System			Use		Cam Type	
	Std. Cylinder Lock	40mm Euro	Padlockable	Insert Driver	Die-Cast Zinc	Polyamide Plastic	Stainless Steel	Steel	Aluminium		1-point	2-point	3-point	Inside Gasketing	Outside Gasketing	With Projection	W/O Projection
B4754 - Push-to-Close Paddle Latch - Pull-to-Open																	
		✓				✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4756 - Push-to-Close Paddle Latch - Pull-to-Open																	
		✓				✓					✓			✓			
Cams: N/A - Keys: Supplied																	
B4758 - Push-to-Close Paddle Latch - Pull-to-Open																	
		✓				✓							✓	✓			
Cams: N/A - Keys: Supplied																	
B4800 - Twist-to-Close Paddle Latch - Snap-On																	
		✓				✓						✓			✓		
Cams: N/A - Keys: Supplied																	





Swing Handles - Cam Control

Dimensional details for our cam control mechanism used in many of our Swing Handles **B1082** through **B1450**.



Swing Handles - Cam Control - Universal

Swing Handles with cam control are for universal left or right hand use. Use one of the following two methods to switch the cam control mechanism from left or right, to suit you application. The descriptions below are for changing a cam control from left to right, to switch from right to left follow a reverse process.

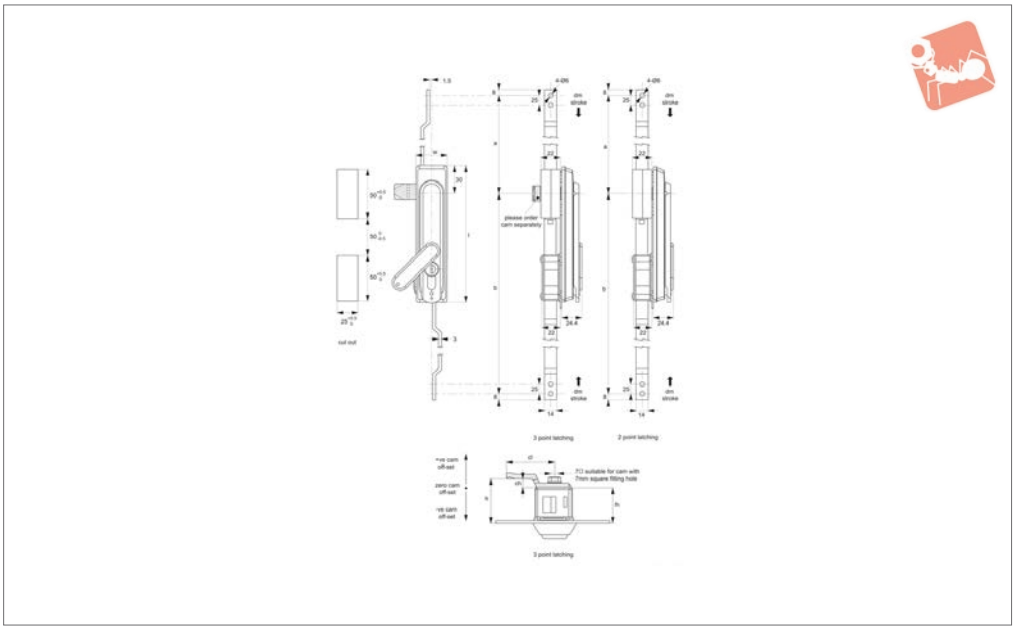
Method One: with the cam control elements unattached from the swing handle body, simply rotate the cam control elements 180° degrees then re-attach to the swing handle body.

Method Two: this method can be used with the cam control elements already attached to the swing handle body. Firstly rotate the cam 90°, the cam control shaft will also rotate 90°. Secondly, remove the cam and re-attach on the right hand side.

Swing Handles - with Rod Control

40mm euro cylinder lock - dust cover - zinc or poly-

B2082



Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated. Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

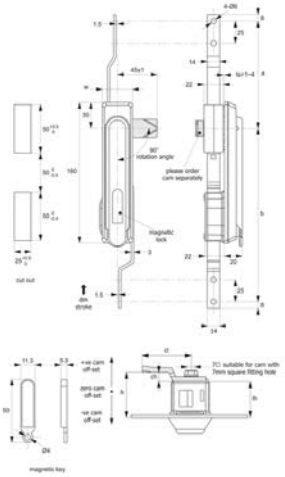
All locks are **keyed alike.**
Order cam separately.

Three point latching model utilises rod control plus a cam.
Two point latching model cannot accomodate a cam.
Cams: see suitable cam A0215. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

90° degree handle rotation combines with rod latch to open or close. Panel thickness 1-4mm. All the cast metal construction provides higher strength.

Order No.	Type	Body	Handle	Latching type	l	Padlockable	w	lh	a	b	dm stroke
B2082.AW0010	One	Zinc	Zinc	2 point	160	No	34	23	122	196	15
B2082.AW0020	One	Zinc	Zinc	2 point	160	Yes	34	23	196	122	15
B2082.AW0110	One	Zinc	Zinc	3 point	160	No	34	23	122	196	15
B2082.AW0120	One	Zinc	Zinc	3 point	160	Yes	34	23	196	122	15
B2082.AW0310	Two	Polyamide	Zinc	3 point	160	No	34	23	196	122	15
B2082.AW0320	Two	Polyamide	Zinc	3 point	160	Yes	34	23	196	122	15



B2084

Material
Body & Handle: die cast zinc, block powder coated.
Rod Control Mechanism: die cast zinc.
Supplied with: Cam: steel, zinc plated.
Key: magnetic key.

Technical Notes
Order cam separately.
Cams: see suitable cam A0215. Select „without projection“ cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips
Universal left or right hand locking achievable
Suitable for panel thickness 1 - 4mm.

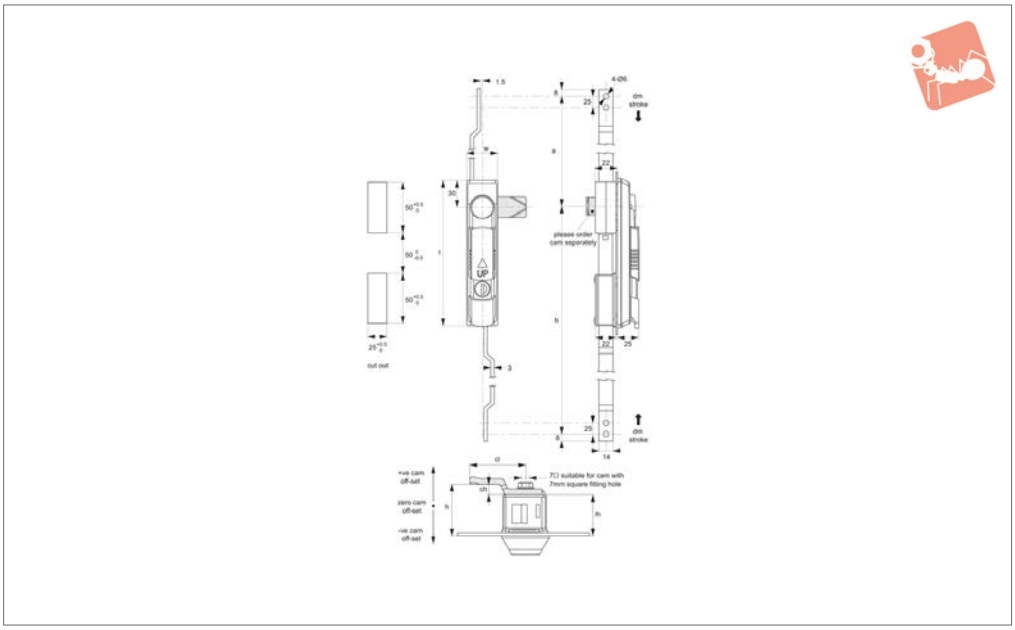
Important Notes
Place magnetic key over magnetic lock to release handle. Lift and turn handle to release cam and rod controls to open panel. Magnetic lock system ensures lock mechanism is never exposed, giving less risk of dust or other external ingress.

Order No.	Finish	Lock type	Key type	w	lh	a	b	dm stroke
B2084.AW0010	Black Coated	Magnetic	Magnetic Security	34	23	122	196	15

Swing Handles - with Rod Control

standard cylinder lock - dust proof cover - zinc or

B2086



Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated. Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

Order cam separately.

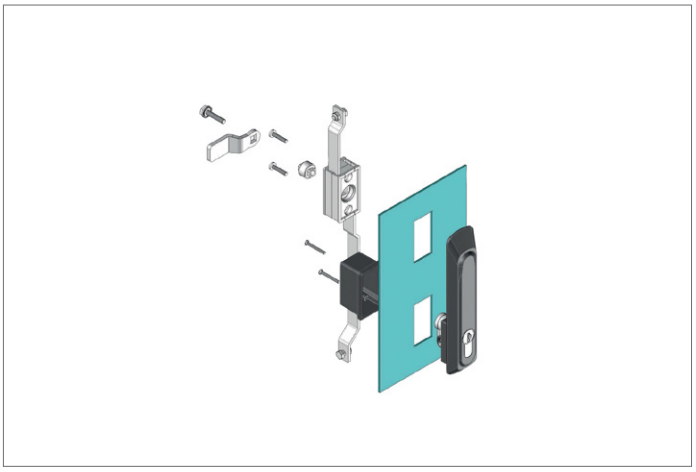
Cams: see suitable cam A0215. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).

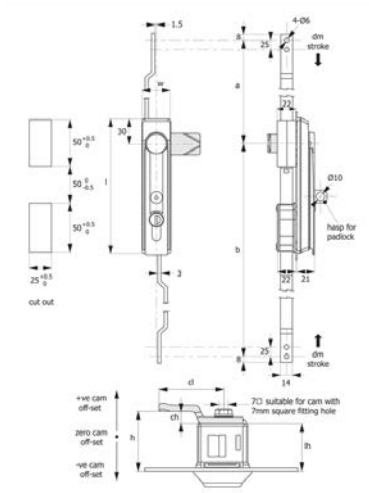
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

90° degree handle rotation combines with rod latch to open or close. Suitable for panel thickness 1-4mm. For use inside of cabinet gasket.

Order No.	Type	Body	Handle	Lock type	Key type	l	w	lh	a	b	dm stroke
B2086.AW0010	One	Zinc	Zinc	Std. Cylinder	Keyed Alike	160	34	23	122	196	15
B2086.AW0310	Two	Polyamide	Zinc	Std. Cylinder	Keyed Alike	160	34	23	122	196	15





B2088

Material

Type One: Body & Handle: die cast zinc, black powder coated.
Type Two: Body: Polyamide PA6, black. Handle: die cast zinc, black powder coated. Cylinder lock: die cast zinc, chrome plated. Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

Order cam separately.
Cams: see suitable cam A0215. Select „without projection“ cam type. Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

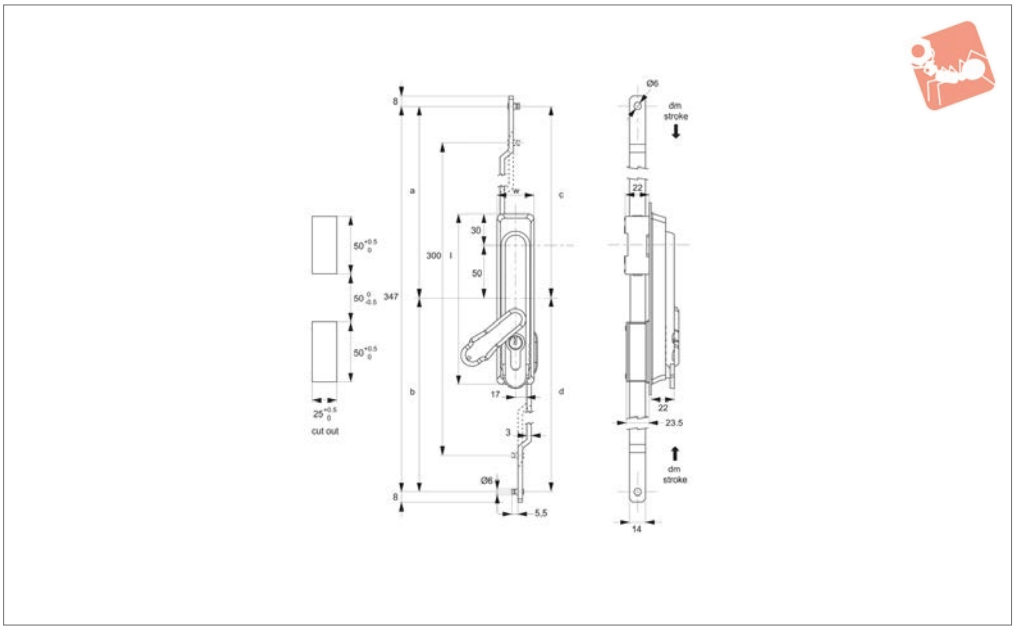
90° degree handle rotation combines with rod latch to open or close. All die cast metal construction provides higher strength than standard models. Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 1 to 4mm. For use inside of cabinet gasket. Universal left/right.

Order No.	Body	Handle	Lock type	Key type	l	Padlockable	w	lh	a	b	dm stroke
B2088.AW0010	Zinc	Zinc	40 Euro	Keyed Alike	160	No	34	23	122	196	15
B2088.AW0310	Polyamide	Zinc	40 Euro	Keyed Alike	160	No	34	23	122	196	15
B2088.AW0020	Zinc	Zinc	40 Euro	Keyed Alike	160	Yes	34	23	122	196	15
B2088.AW0320	Polyamide	Zinc	40 Euro	Keyed Alike	160	Yes	34	23	122	196	15

Swing Handles - with Rod Control

40mm euro cylinder lock - dust cover - polyamide

B2091



Material
Body & Handle: polyamide (PA), black.
Cylinder lock: die cast zinc, chrome plated.
Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

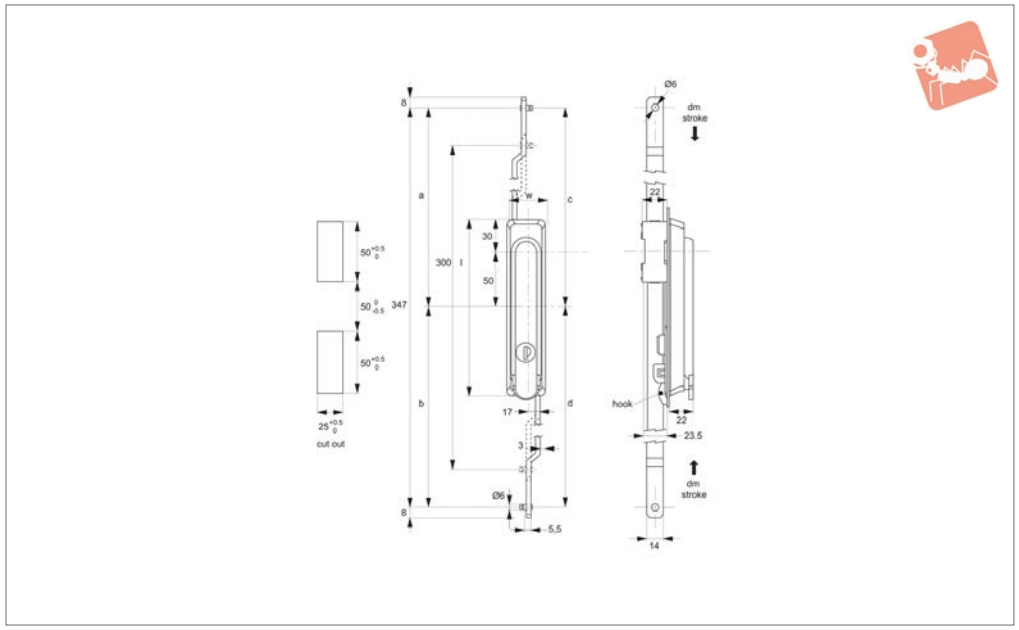
Technical Notes
Suitable for two point latching.
Not suitable for three point latching.

Tips
Also available with radial pin lock, subject to min. order quantity.
Ideal for electrical cabinets, telecom racks or enclosures max. panel thickness of 2mm. For use inside of cabinet gasket.
Universal left/right.

Order No.	Finish	Lock type	Key type	l	w	lh	a	b	c	d	dm stroke 135°	dm stroke 90°
B2091.AW0020	Black, Plastic	40 Euro	Keyed Alike	160	35	23	123.5	223.5	173.5	173.5	23.5	16

Swing Handle - with Rod Control

standard cylinder - polyamide



B2181

Material
Body & Handle: polyamide (PA), black.
Cylinder lock: die cast zinc, chrome plated.
Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.

Not supplied: Rods: order separately.

Technical Notes
Suitable for two point latching.
Not suitable for three point latching.

Rods & Guides: A0303, A0321, A0325.

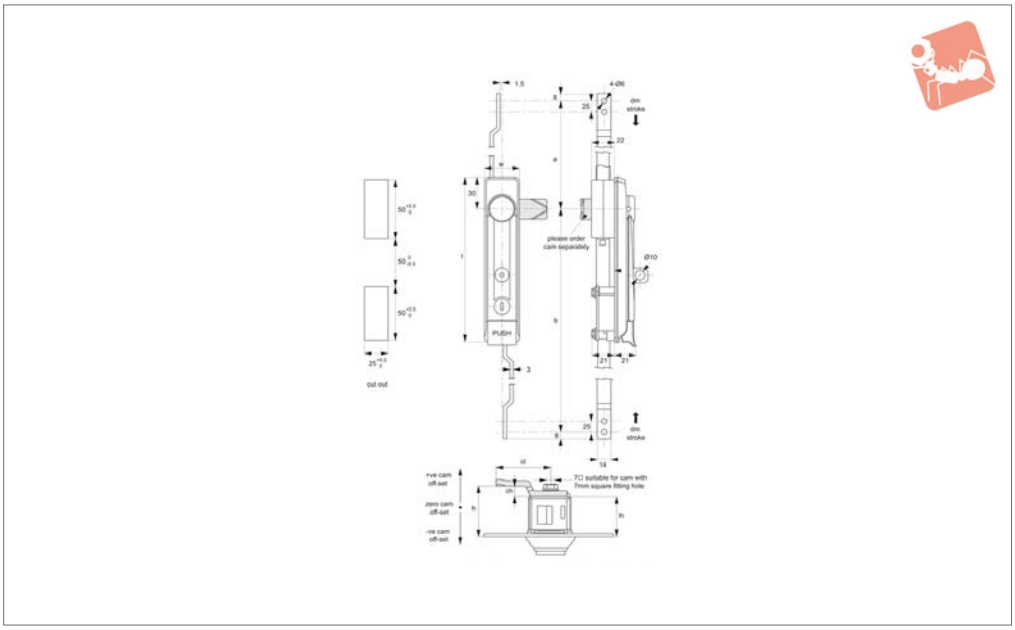
Tips
Suitable for panel thickness 1 - 2mm.

Order No.	Finish	Latching type	Key type	l	w	lh	a	b	c	d	dm stroke 135°	dm stroke 90°
B2181.AW0010	Black, Plastic	2-Point	Keyed Alike	160	35	22	123.5	223.5	173.5	173.5	23.5	16

Swing Handles - with Rod Control

standard cylinder - zinc

B2285



Material

Body & Handle: die cast zinc, black powder coated.
Cylinder lock: die cast zinc, chrome plated.
Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

Order cam separately.

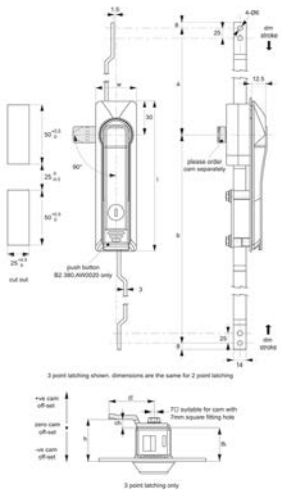
Cams: see suitable cam A0215. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).

lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.
Padlock models: suitable for padlock shackle max. diameter 10mm.

Tips

Suitable for panel thickness 1-3mm

Order No.	Finish	Lock type	Key type	Button	l	Padlockable	w	lh	a	b	dm stroke
B2285.AW0010	Black Coated	Std. Cylinder	Keyed Alike	With	158	No	34	23	122	196	15
B2285.AW0020	Black Coated	Std. Cylinder	Keyed Alike	With	158	Yes	34	23	122	196	15
B2285.AW0050	Black Coated	Std. Cylinder	Keyed Alike	W/o	158	No	34	23	122	196	15
B2285.AW0060	Black Coated	Std. Cylinder	Keyed Alike	W/o	158	Yes	34	23	122	196	15



B2380

Material

Body & Handle: die cast zinc, black powder coated.
Cylinder lock: die cast zinc, chrome plated.
Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.
Not supplied: Cam: order separately.

Technical Notes

Please note that the two point latching models use a bespoke mechanism. A cam cannot be fitted to it to create a three point latching.
Order cam separately.
Cams: see suitable cam A0215. Select „without projection" cam type.
Dimensions ch and cl relate to cam. Use formula to calculate ch (required cam off-set), and refer to cam selection chart;
ch = h - lh where;
ch = required cam off-set/height.
h = grip length (distance between inside of latch face and front of cam).
lh = body length of cam latch/lock to be used (see product table below).
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Tips

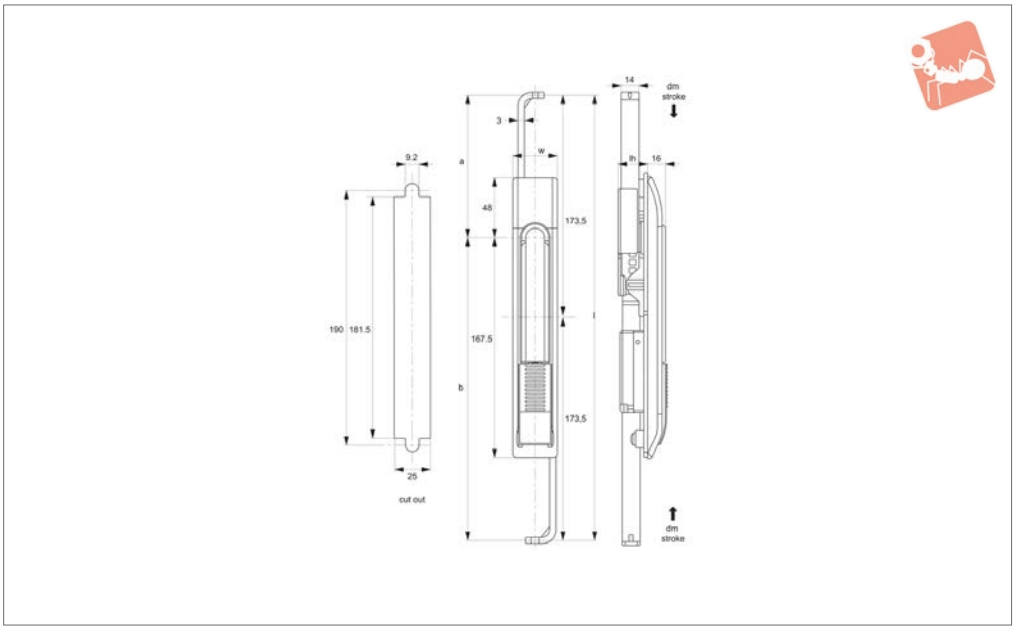
Suitable for panel thickness 1-4mm. For indoor or outdoor use. For use inside or outside gasket.

Order No.	Finish	Latching type	Key type	Button	l	w	lh	a	b	dm stroke
B2380.AW0010	Black Coated	3	Keyed Alike	W/o	133	36	22	122	196	15
B2380.AW0020	Black Coated	3	Keyed Alike	With	133	36	22	122	196	15
B2380.AW0030	Black Coated	2	Keyed Alike	W/o	133	36	22	122	196	15
B2380.AW0040	Black Coated	2	Keyed Alike	With	133	36	22	122	196	15

Swing Handles - with Rod Control

40mm euro cylinder lock - sliding cover - polyamide

B2450



Material

Body: polyamide plastic, black.
Handle: die cast zinc. chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Rod Control Mechanism: die cast zinc.
Supplied with: Keys: two per lock.

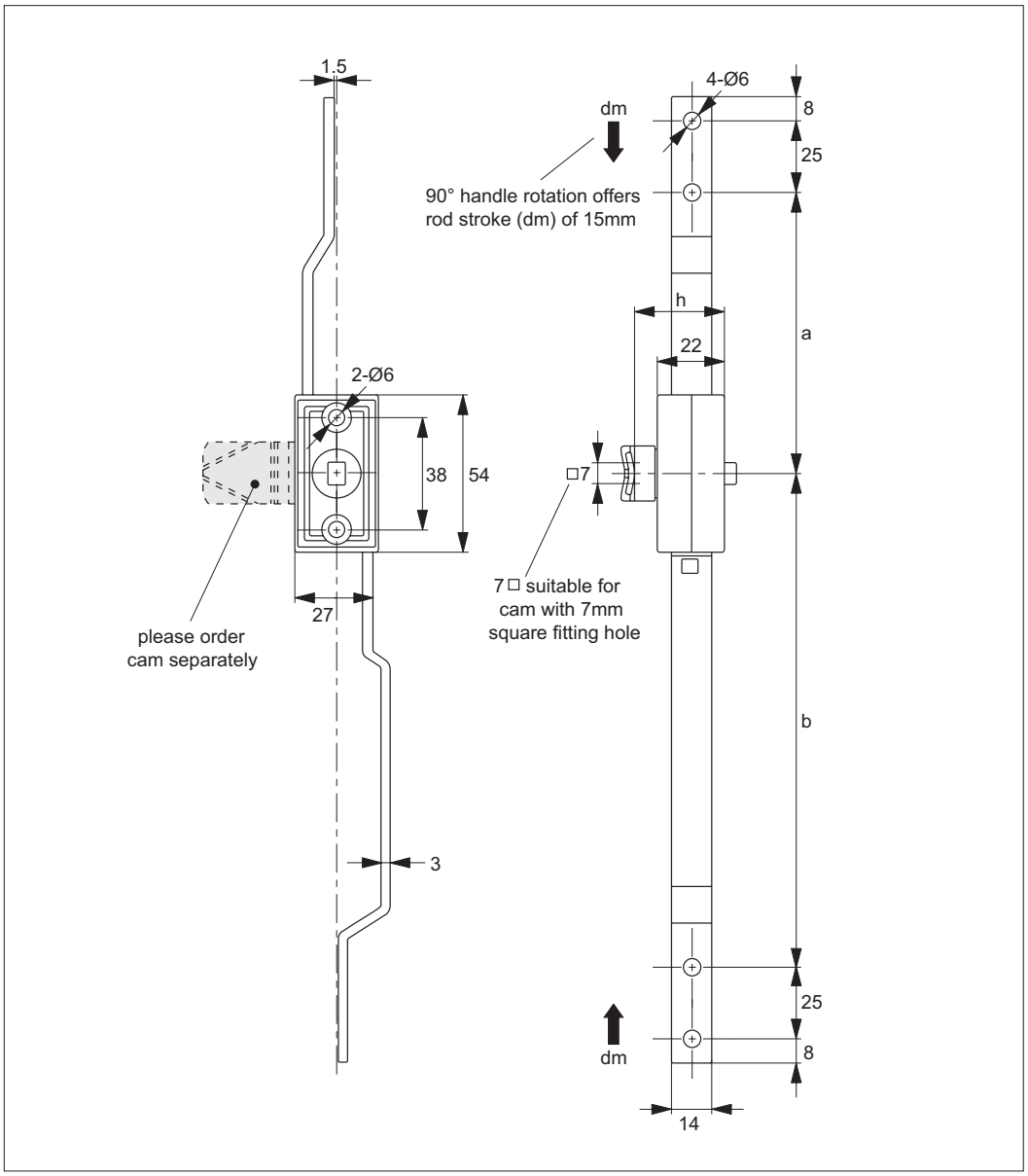
Technical Notes

Achieves 2 point clamping at top and bottom of panel. Not suitable for 3 point clamping.
Unlock handle to release, lift and turn to activate rod control mechanism and release panel.
Sliding lock cover prevents ingress of dust etc. into lock mechanism.

Tips

Suitable for panel thickness 1 to 2mm.

Order No.	Finish	Lock type	Key type	l	w	lh	a	b	dm stroke 135°	dm stroke 90°
B2450.AW0010	Black Coated	40 Euro	Keyed Alike	347	36	20	113.8	233.2	23.5	16.0



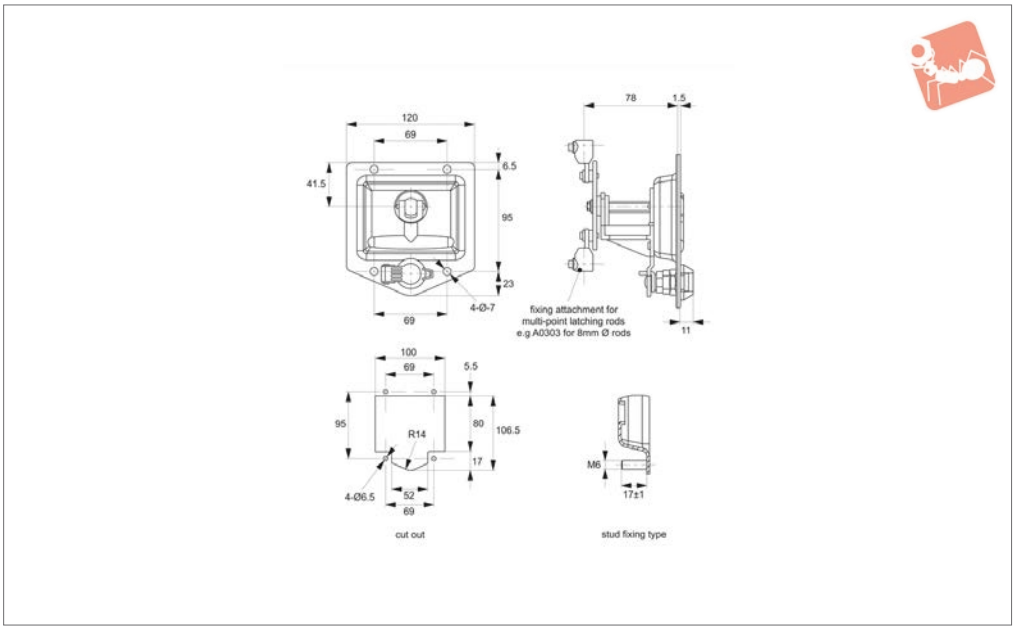
Swing Handles - Rod Control

Dimensional details for our rod control mechanism used in many of our Swing Handles **B2082** through **B2450**.

Cam Latch - Flush T-handle - Rod

vertical - heavy duty- fixed grip - standard cylinder

B4584



Material

Body: stainless steel, AISI 303.
Handle: die cast zinc, chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.

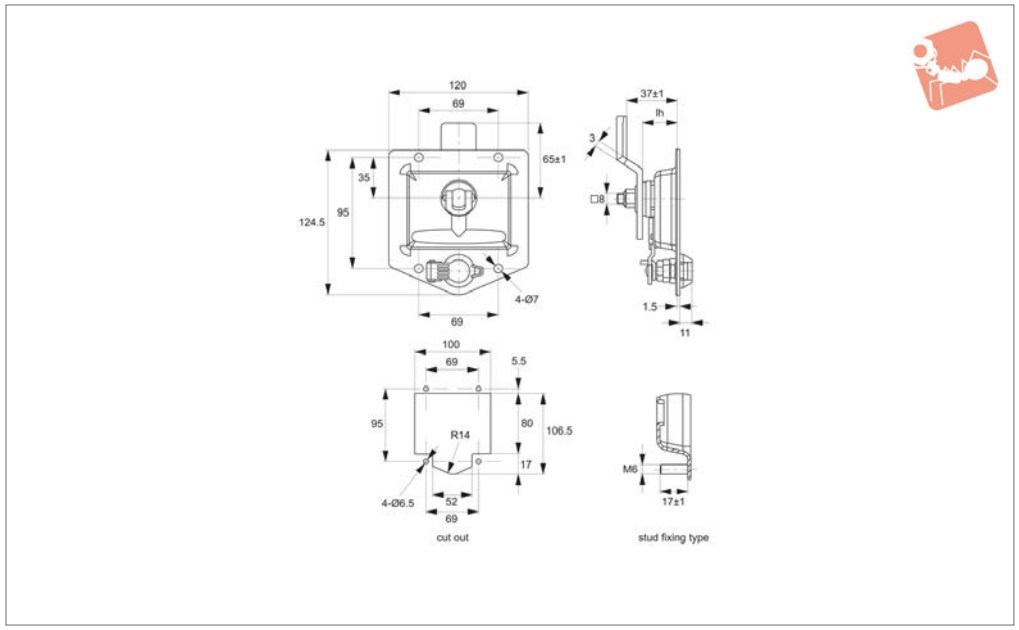
Technical Notes

Hole fixing type requires 4 off M 6 screws (not supplied) for front mounting.
Stud fixing type has 4 off M 6 welding studs for rear mounting with M 6 nuts (not supplied).
Use with multi-point latching rods (e.g A0303), with 8mm Ø rods, to achieve two point latching of larger enclosure panels.

Tips

Ideal for electricity sub-stations, HGVs and other road side vehicles.
T-handle is in the vertical position when locked. Universal left/right. For use inside of cabinet gasket.

Order No.	Mounting type	Lock type	Key type
B4584.AW0010	Hole Fixing	Std. Cylinder	Keyed Alike
B4584.AW0020	Stud Fixing	Std. Cylinder	Keyed Alike



B4586

Material
Body: stainless steel, AISI 303.
Handle: die cast zinc, chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Cam: stainless steel, AISI 303.

Technical Notes
Hole fixing type requires 4 off M 6 screws (not supplied), for front mounting.
Stud fixing type has 4 off M 6 welded studs for near mounting with M 6 nuts (not supplied).

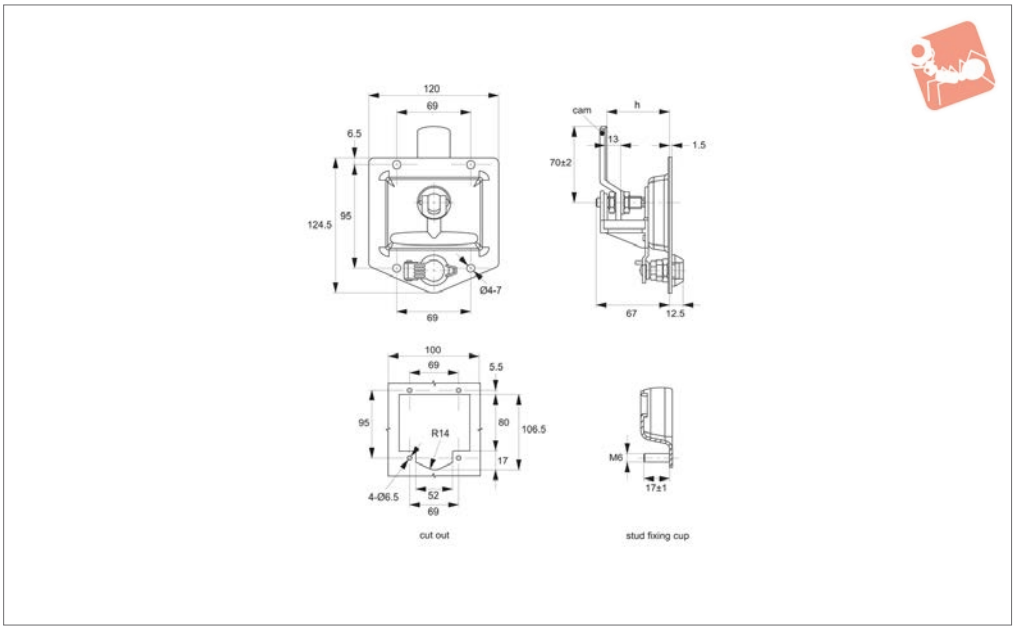
Tips
Ideal for electricity sub-stations, HGVs and other road side vehicles.
T-handle is in the vertical position when locked. Universal left/right. For use inside of cabinet gasket.
Can be used with cam range A0203.

Order No.	Mounting type	Lock type	Key type	lh
B4586.AW0010	Hole Fixing	Std. Cylinder	Keyed Alike	25
B4586.AW0020	Stud Fixing	Std. Cylinder	Keyed Alike	25

Cam Latch - Flush T-handle

vertical - heavy duty - adjustable grip - standard

B4588



Material

Body: stainless steel, AISI 303.
Handle: die cast zinc, chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Cam: stainless steel, AISI 303.

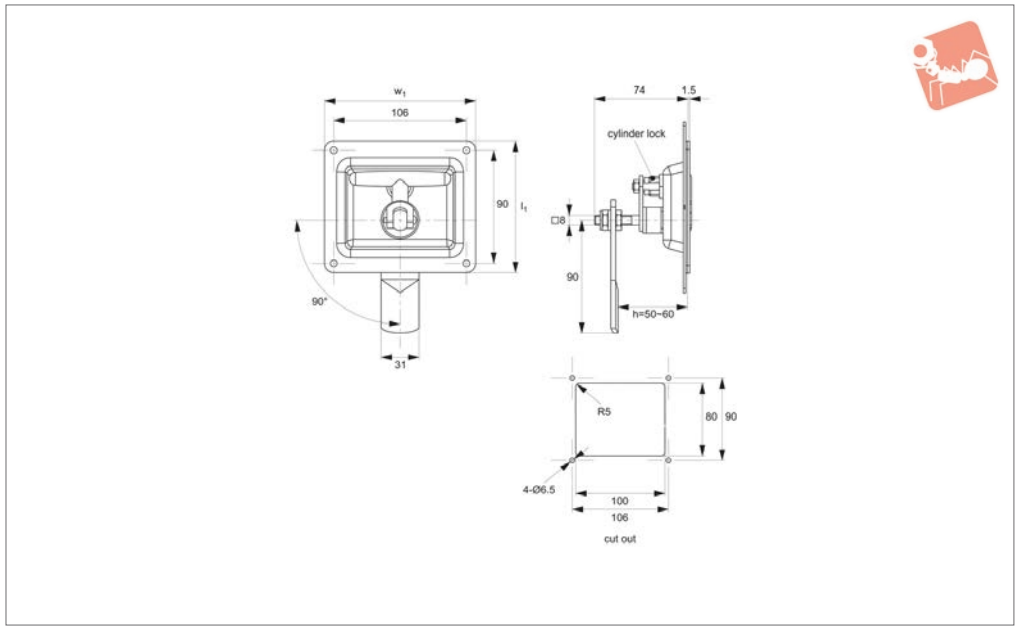
Technical Notes

Hole fixing type requires 4 off M 6 screws (not supplied), for front mounting.
Stud fixing type has 4 off M 6 welded studs for near mounting with M 6 nuts (not supplied).

Tips

Ideal for electricity sub-stations, HGVs and other road side vehicles.
T-handle is in the vertical position when locked.
For use inside of cabinet gasket.

Order No.	Mounting type	Lock type	Key type	h grip range
B4588.AW0010	Hole Fixing	Std. Cylinder	Keyed Alike	48 - 58
B4588.AW0020	Stud Fixing	Std. Cylinder	Keyed Alike	48 - 58



B4590

Material
Body: stainless steel, AISI 303.
Handle: die cast zinc, chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Cam: stainless steel, AISI 303.

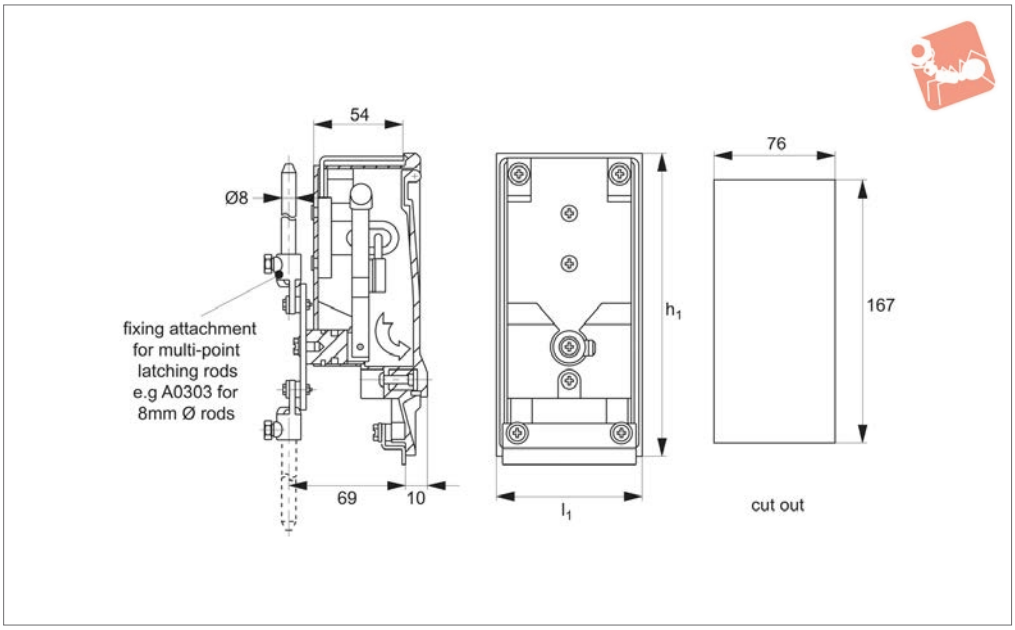
Technical Notes
Mounting via 4 off M 6 screws (not supplied) for front mounting.
With lock version has standard cylinder lock to prevent unauthorised opening.

Order No.	Mounting type	Lock type	l_1	w_1	h grip range
B4590.AW0010	Hole fixing	Std. Cylinder	105	120	50~60
B4590.AW0020	Hole fixing	Blank - No Lock	105	120	50~60

Cam Latch - Concealed T-Handle

aluminium - rod control - padlock shackle

B4604



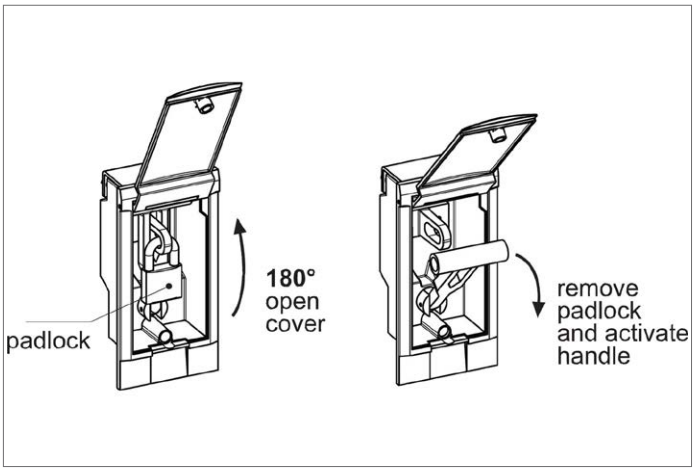
Material
Body and Cover: aluminium, grey powder coated.

Technical Notes
Designed for medium voltage electricity panels.

T-handle is in the vertical position when locked. For added security has padlock shackle to prevent lifting/turning of T-handle to suit max. padlock shackle of 9mm dia (not supplied).
Use with multi-point latching rods (A0303)

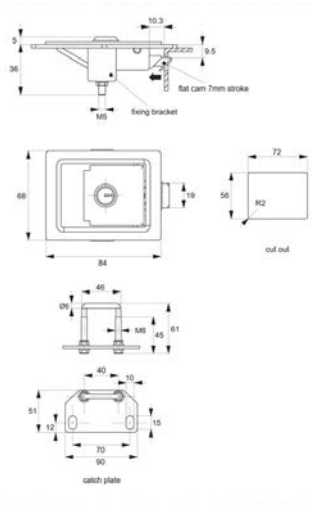
with 8mm Ø rods, to achieve two point latching of larger enclosure panels. Handle secured to frame via mounting brackets (supplied).

Order No.	Body	h_1	l_1
B4604.AW0010	Aluminium	178	87



Push To Close Paddle Latches

pull to open - slam action - standard cylinder lock -



B4703

Material
Body and Handle: steel, black powder coated.
Cylinder lock: die cast zinc, zinc plated.

Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

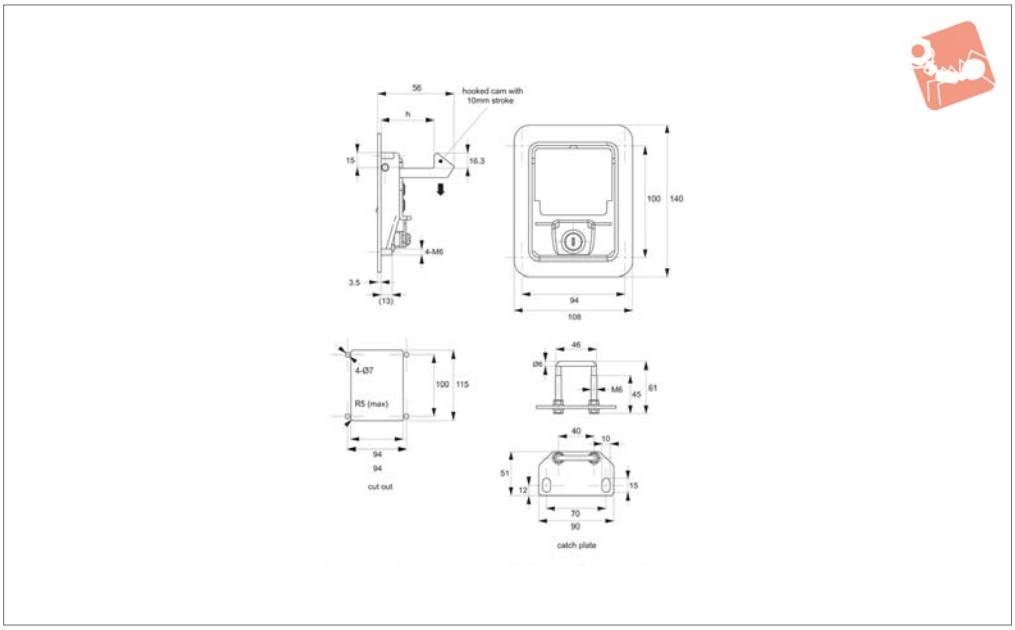
Technical Notes
Spring loaded, slam action handle. Installation via 72x56mm cut out.

Order No.	Lock type
B4703.AW0010	Std. Cylinder
B4703.AW0020	Blank - No Lock

Push To Close Paddle Latches

pull to open - slam action - standard cylinder lock -

B4713



Material

Body and Handle: steel, black powder coated.
Cylinder lock: die cast zinc, zinc plated.
Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

Technical Notes

Stud fixing type has 4 off M 6 welded studs for rear mounting with M 6 nuts (not supplied).
Universal left/right. For use inside of cabinet gasket.

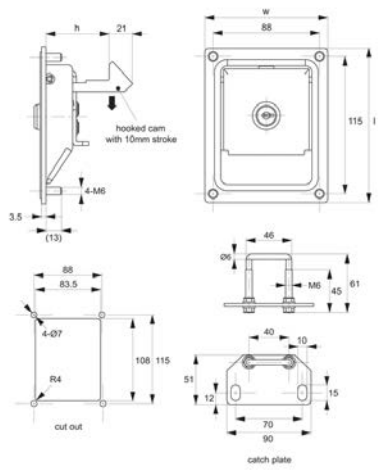
Tips

Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	Lock type	Type	h
B4713.AW0010	Std. Cylinder	Latch	31.5
B4713.AW0020	Std. Cylinder	Latch	44.0
B4713.AW0030	Std. Cylinder	Latch	55.0
B4713.AW0040	Blank - No Lock	Latch	31.5

Push To Close Paddle Latches

pull to open - slam action - standard cylinder lock -



B4733

Material
Body and Handle: steel, black powder coated.
Cylinder lock: die cast zinc, zinc plated.
Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

Technical Notes
Stud fixing type has 4 off M 6 welded studs for rear mounting with M 6 nuts (not supplied).

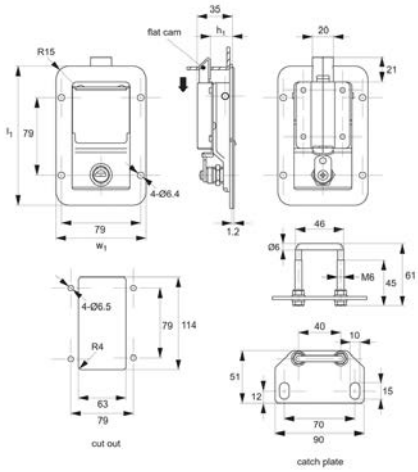
Tips
Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	Lock type	Type	h	l	w
B4733.AW0010	Std. Cylinder	Latch	30.5	127	101.5
B4733.AW0020	Std. Cylinder	Latch	43.0	127	101.5
B4733.AW0030	Std. Cylinder	Latch	54.0	127	101.5
B4733.AW0040	Blank - No Lock	Latch	30.5	127	101.5
B4733.AW0050	Blank - No Lock	Latch	43.0	127	101.5

Push To Close Paddle Latches

pull to open - slam action -standard cylinder lock -

B4750



Material

Body and Handle: stainless steel, AISI 304.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

Technical Notes

Hole fixing type requires 4 off M 6 screws (not supplied) for front mounting.
Spring loaded, slam action handle.
Universal left/right. For use inside of cabinet gasket.

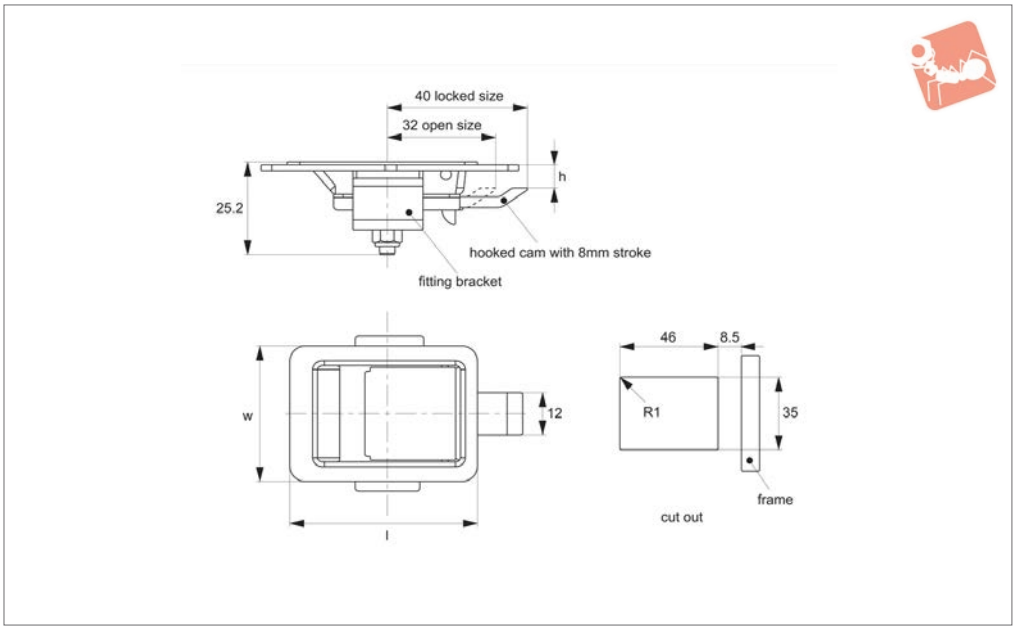
Tips

Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	Type	h_1	l_1	w_1
B4750.AW0010	With Lock	22	140	90
B4750.AW0020	Blank - No Lock	22	140	90

Push To Close Paddle Latches

pull to open - slam action - stainless steel



B4752

Material
Body and Handle: stainless steel, AISI 304.

Technical Notes
Spring loaded, slam action handle.
Fitting via mounting bracket. Without secondary lock, for easy access.
Universal left/right. For use inside of cabinet gasket.
Catch plate B4752.AW0310 available as separate order item.

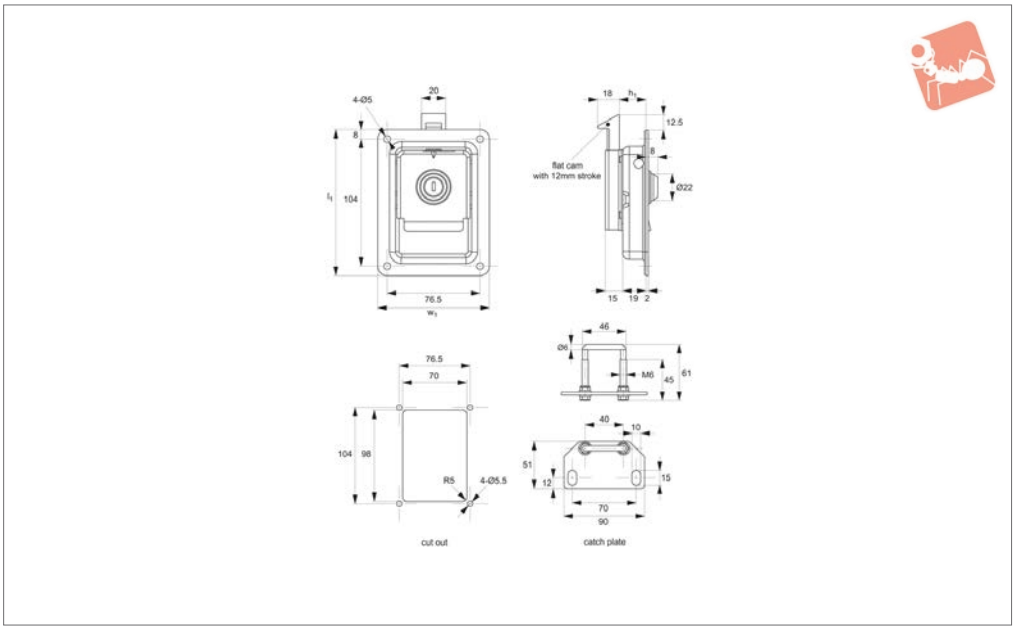
Tips
Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	h	l	w
B4752.AW0010	5	56	42

Push To Close Paddle Latches

pull to open - slam action - standard cylinder lock -

B4756



Material

Body and Handle: stainless steel, AISI 304, or zinc plated steel.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

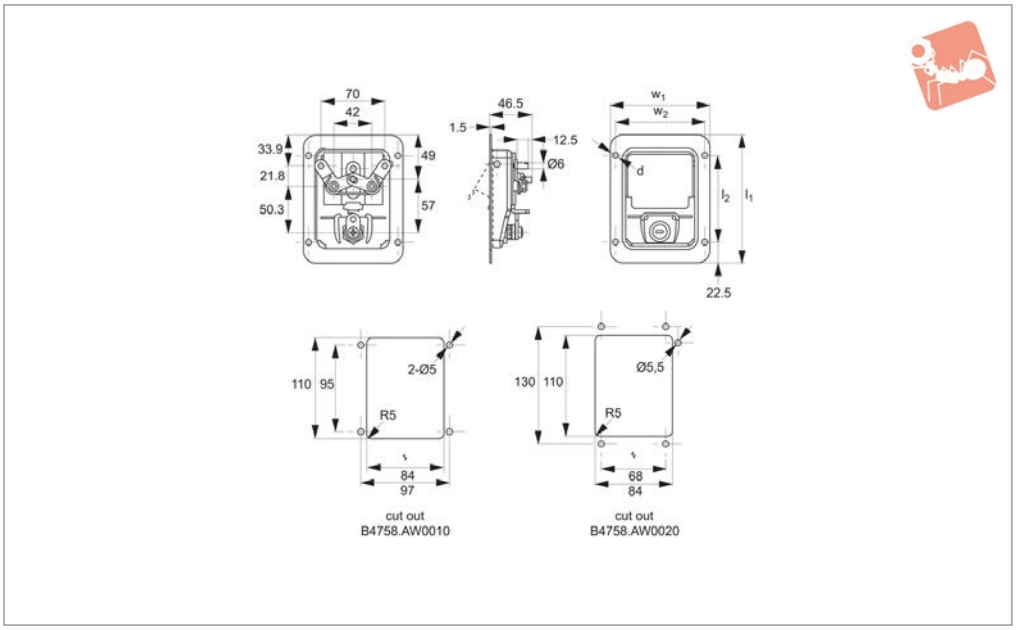
Technical Notes

Spring loaded, slam action handle.
Hole fixing type requires 4 off M 6 screws (not supplied) for front mounting.
Universal left/right. For use inside of cabinet gasket.

Tips

Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	Lock type	Material	Key type	h_1	l_1	w_1
B4756.AW0010	Std. Cylinder	Steel	Keyed Alike	22	120	92.5
B4756.AW0020	Std. Cylinder	Stainless Steel	-	22	120	92.5



B4758

Material
Body and Handle: stainless steel, AISI 303.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.
Not Supplied: Catch plate: please order separately.

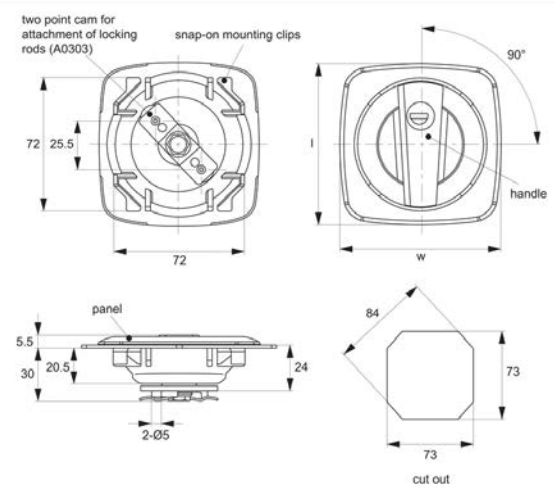
Technical Notes
Hole fixing type requires 4 off M 5 screws (not supplied) for front fixing.
Universal left/right. For use inside of cabinet gasket.

Tips
Fully integrated lock, latch and flush fitting paddle handle, ideal for generators, compressors, electric panels and doors.

Order No.	Lock type	Type	Key type	d	l_1	l_2	w_1	w_2
B4758.AW0010	Std. Cylinder	Latch	Keyed Alike	5.5	140	95	108	97
B4758.AW0020	Std. Cylinder	Latch	Keyed Alike	5.0	146	130	146	68

Twist-to-Close Paddle Latches - Snap-
recessed handle - standard cylinder lock - poly-

B4800

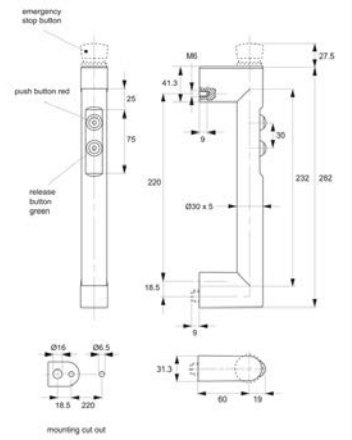


Material
Body and Handle: Polyamide plastic (PA), black.
Cylinder lock: die cast zinc, chrome plated.
Supplied with: Keys: two per lock.

Technical Notes
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

Attach multi-point latching rods (A0303) to achieve two-point latching of cupboards, cabinets or enclosures. Suitable for panel thickness 1 - 1.5mm.

Order No.	Lock type	Key type	l	w
B4800.AW0010	Std. Cylinder	Keyed Alike	88.5	88.5



B8100

Material

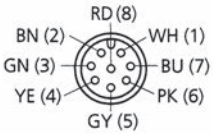
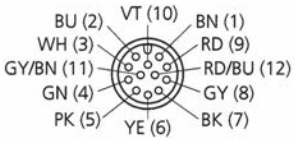
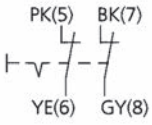
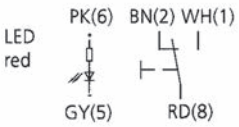
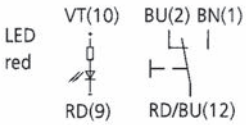
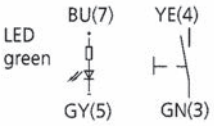
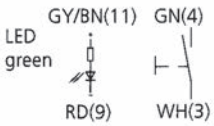
Type one: Handle shank: glass reinforced polyamide PA 6, black.
Handle tube: Ø30x5mm of aluminium AlMgSi 0,5, black anodised, fine ground.
Switch Functions: none, blank handle.
Type two: Handle shank: glass reinforced polyamide PA 6, black.
Handle tube: Ø30x5mm of aluminium AlMgSi 0,5, black anodised, fine ground.
Switch functions: 2 push buttons.
Type three: Handle shank: glass reinforced polyamide PA 6, black.
Handle tube: Ø30x5mm of aluminium AlMgSi 0,5, black anodised, fine ground.
Switch functions: two push buttons, 1 emergency stop button.

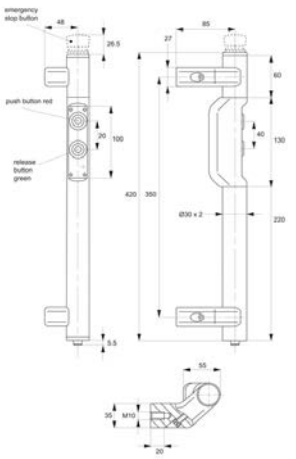
Technical Notes

When used with connection cable no. B8880, conforms to IP65 rating.
Use with door solenoid lock no. B8900 for full electronic locking of machine guards and panels.

Order No.	Type	Switch function	Coupling	a	l
B8100.AC0018	Type One	No Switch - Blank, to Act as a Counter Handle	-	220	282
B8100.AC0318	Type Two	2 Push Buttons	8-pole (M12x1)	220	282
B8100.AC0418	Type Three	2 Push Buttons, 1 Emergency Stop Button	12-pole (M12x1)	220	282

B8100 Functional handle – electronic

Wixroyd part no.	B8100.AC0318	B8100.AC0418
Description	2 push buttons	2 push buttons, 1 emergency stop button
Switching voltage – emergency stop button	-	1-42 V AC/DC 100 mA
Switching voltage – push buttons	24V AC/DC 1A	24V AC/DC 1A
Operating voltage LED	24 U DC	24 U DC
Connection type	8 pole, M12 x 1	12 pole, M12 x 1
Connector assignment (plug side view)		
Emergency stop buttons (2 NC contacts)	N/A	
Push button red (1 changeover contact)		
Push button green (2 NC contacts)		



B8120

Material

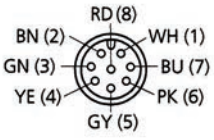
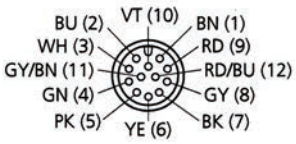
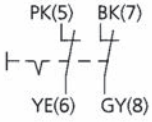
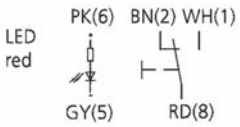
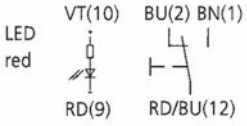
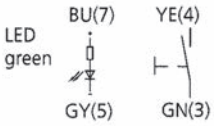
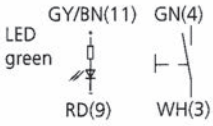
Type one: Handle shank: aluminium, vibration ground natural colour anodized.
Handle tube: Ø35x2,0mm of stainless steel 1.4301.
Switch functions: none, blank handle.
Type two: Handle shank: aluminium, vibration ground natural colour anodized.
Handle tube: Ø35x2,0mm of stainless steel 1.4301.
Switch functions: 2 push buttons.
Type three: Handle shank: aluminium, vibration ground natural colour anodized.
Handle tube: Ø35x2,0mm of stainless steel 1.4301.
Switch functions: two push buttons, 1 emergency stop button.

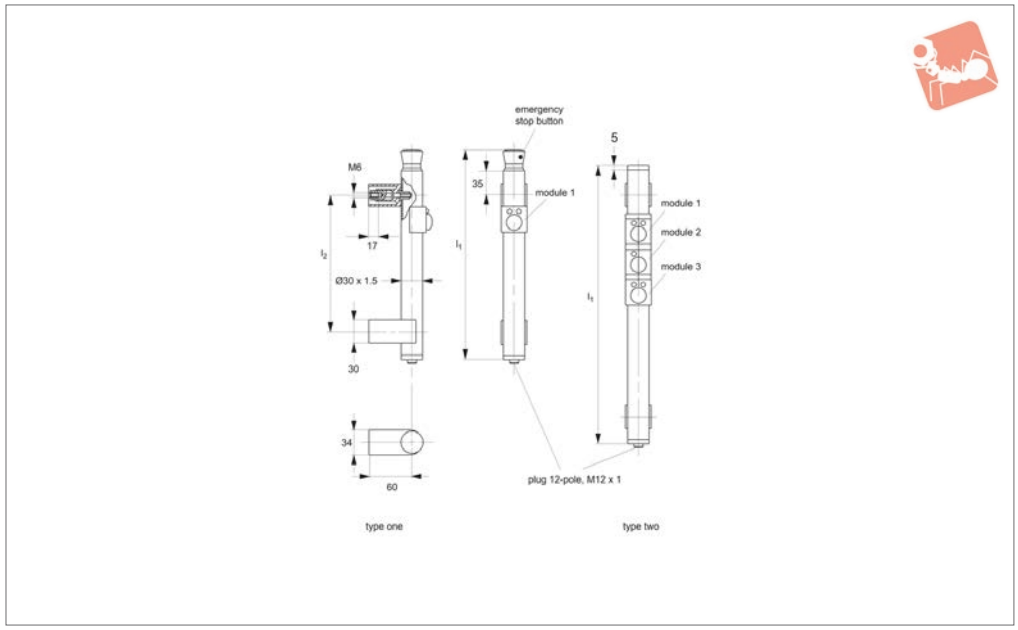
Technical Notes

When used with connection cable no. B8880, conforms to IP65 rating.
Use with door solenoid lock no. B8900 for full electronic locking of machine guards and panels.

Order No.	Type	Coupling Type	Switch function	Hand
B8120.AC0000	Type One	-	No Switch - Blank, to Act as Counter Handle.	Right
B8120.AC0102	Type Two	8-pole (M12x1)	2 Push Buttons	Right
B8120.AC0105	Type Three	12-pole (M12x1)	2 Push Buttons, 1 Emergency Stop Button	Right
B8120.AC0122	Type Two	8-pole (M12x1)	2 Push Buttons	Left
B8120.AC0125	Type Three	12-pole (M12x1)	2 Push Buttons, 1 Emergency Stop Button	Left

B8120 Functional Handle - Electronic

	B8120 Functional handle – electronic	
Wixroyd part no.	**B8120.AC0102 & .AC0102**	**B8120.AC0105 & .AC0125**
Description	2 push buttons	2 push buttons, 1 emergency stop button
Switching voltage – emergency stop button	N/a	1-42 V AC/DC 100 mA
Switching voltage – push buttons	24V AC 1A	24V AC 1A
Operating voltage LED	24V DC	24 DC
Connection type	8 pole, M12 x 1	12 pole, M12 x 1
Connector assignment (plug side view)		
Emergency stop buttons (2 NC contacts)	N/A	
Push button red (1 changeover contact)		
Push button green (2 NC contacts)		



B8320

Material

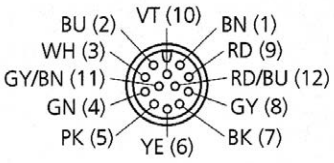
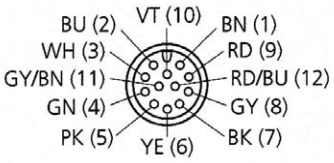
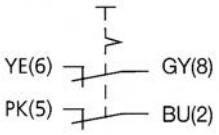
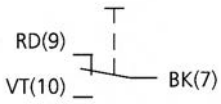
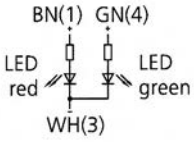
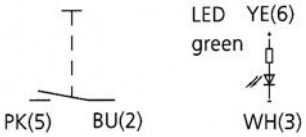
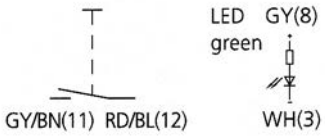
Type one: Handle shank: extruded aluminium, AlMgSi 0,5, black anodized with matte gloss finish.
Handle tube: Ø30x1,5mm of aluminium AlMgSi 0,5, black anodised with matte gloss finish or from stainless steel 1.4301, precision ground.
Tube ends: reinforced polyamide PA 6, black.
Switch functions: 1 push button, 1 emergency stop button.
Type two: Handle shank: extruded aluminium, AlMgSi 0,5, black anodized with matte gloss finish.
Handle tube: Ø30x1,5mm of aluminium AlMgSi 0,5, black anodised with matte gloss finish or from stainless steel 1.4301, precision ground.
Tube ends: reinforced polyamide PA 6, black.
Switch Functions: 3 push buttons/ modules.

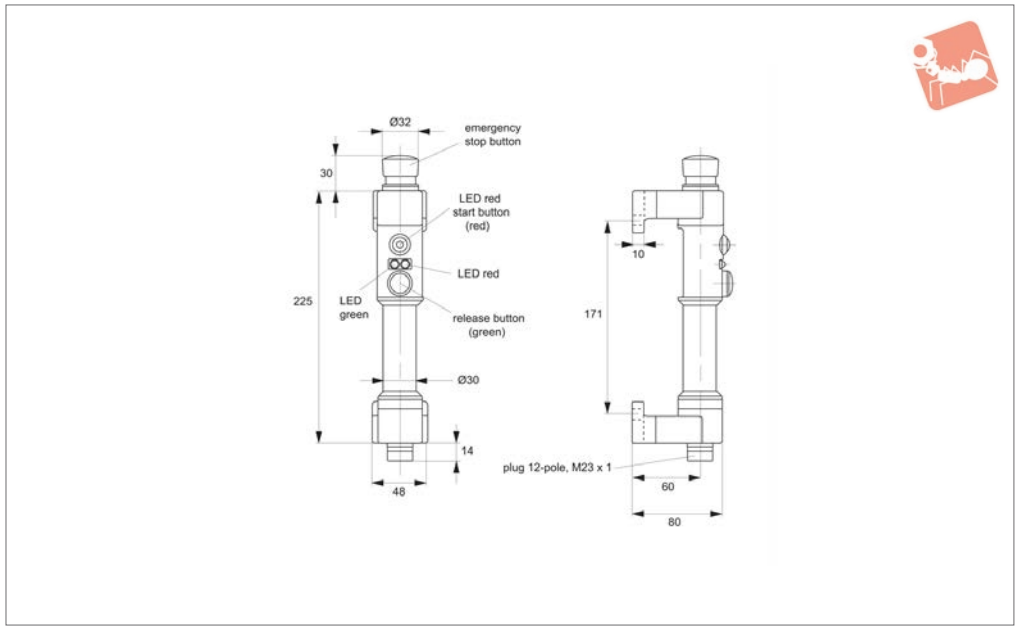
Technical Notes

When used with connection cable no. B8880, conforms to IP65 rating.
Use with door solenoid lock no. B8900 for full electronic locking of machine guards and panels.

Order No.	Lock type	Coupling Type	Material	l_1	l_2
B8320.AC0304	Type One	12-pole (M12x1)	Aluminium	416	300
B8320.AC0337	Type One	12-pole (M12x1)	Stainless	416	300
B8320.AC0404	Type Two	12-pole (M12x1)	Aluminium	484	400
B8320.AC0437	Type Two	12-pole (M12x1)	Stainless	484	400

B8320 Functional Handle - Electronic

	B8320 Functional handle – electronic	
Wixroyd part no.	**B8320.AC0304 & .AC0337**	**B8320.AC0404 & .AC0437**
Description	2 push buttons	2 push buttons, 1 emergency stop button
Switching voltage	24V DC max. 30V AC/36V DC max. 1.5A	24V DC max. 30V AC/36V DC max. 1.5A
Operating voltage LED	24V DC +/-15%	24V DC +/-15%
Connection type	12 pole, M12 x 1	12 pole, M12 x 1
Connector assignment (plug side view)		
Emergency stop buttons		N/A
Push button 1 – Module 1		
Push button 2 – Module 2	N/A	
Push button 3 – Module 3	N/A	
Module inscription	N/A	All three modules



B8380

Material

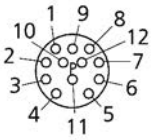
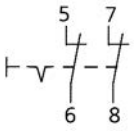
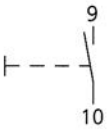
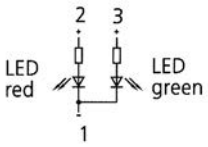
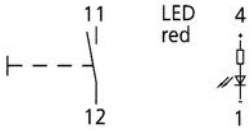
Type one: Handle shank: high strength glass fibre reinforced polyamide PA 6, black.
Handle tube: turned POM (polyoxymethylene).
Switch functions: none, blank handle.
Type two: Handle shank: high strength glass fibre reinforced polyamide PA 6, black.
Handle tube: turned POM (polyoxymethylene).
Switch functions: 1 release button, 1 start button, 1 dual channel emergency stop button (2 NC contacts).

Technical Notes

When used with connection cable no. B8880, conforms to IP65 rating.
Use with door solenoid lock no B8900 for full electronic locking of machine guards and panels.

Order No.	Type	Coupling Type	Switch function	a	l
B8380.AC0018	Type One	-	No Switch - Blank, to Act as Counter Handle	171	225
B8380.AC0518	Type Two	12-pole (M23x1)	1 Release Button, 1 Start Button, @1 Dual Channel Emergency Stop Button	171	225

B8380 Functional Handle - Electronic

Wixroyd part no.	B8380.AC0578
Description	Type two
Switching voltage	Type two
Operating voltage LED	24V DC +/- 15%
Connection type	12-pole (M23 x 1)
Connector assignment (plug side view)	
Emergency stop button (2 NC contacts)	
Release button (no contact)	
LED's	
Start button	

ov-WB8380-A-T-functional-handle-electronic-Inh- Updated -26-10-2022

B8880

Material
Cable spot welded to coupling.

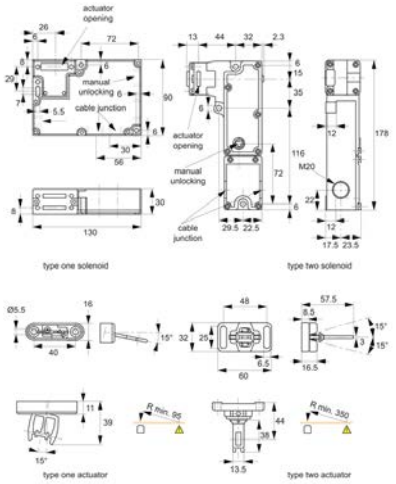
Technical Notes
Ready made cable for use with our functional handle range B8100 to B8380.
Please review individual handles for more suitable coupling types.

Order No.	Coupling Type	Thread	Cable length m
B8880.AC0080	8-Pole	M12x1	5
B8880.AC0082	8-Pole	M12x1	10
B8880.AC0120	12-Pole	M12x1	5
B8880.AC0122	12-Pole	M12x1	10
B8880.AC0125	12-Pole	M23x1	10

Solenoid Interlocks

for electronic functional handles B8100 to B8400

B8900



Material

Type one: Enclosure: glass fibre reinforced plastic.
Actuator and locking bolt: stainless steel 1.4301.
Contact material: silver.
Type two: Enclosure: glass fibre reinforced plastic.
Actuator and Locking Bolt: zinc plated steel/zinc die cast, chromated.
Contact material: silver.

Technical Notes

The switching element and actuator of the solenoid interlock are functionally separated and are only brought together on opening or closing of the door/enclosure. A latching bolt provides connection and prevents the actuator being disconnected from interlock.

Important Notes

Two interlock modes are available:

- Power to Unlock: spring pressure of the latching bolt prevents the actuator from being disconnected. When the de-interlocking coil is energised, the interlock is released and the enclosure can be opened.
- Power to Lock: operation is the reverse of the Power to Unlock mode.

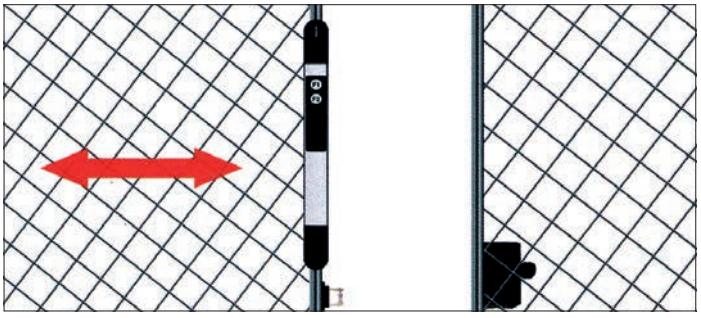
Order No.	Type	Components	Modes of interlock
B8900.AC0105	Type One	Solenoid Interlock	Power to Unlock
B8900.AC0110	Type One	Solenoid Interlock	Power to Lock
B8900.AC0120	Type One	Actuator	-
B8900.AC0205	Type Two	Solenoid Interlock	Power to Unlock
B8900.AC0210	Type Two	Solenoid Interlock	Power to Lock
B8900.AC0220	Type Two	Actuator	-

Wixroyd's functional handles **B8100 - B8900** provide the ideal combination of ergonomics, productivity and safety for machine guards, enclosures or wherever there is a machine/operator interface.

Wixroyd functional handles incorporate switching, control and monitoring functions exactly at the point they are required - namely the enclosure handle. Functional handles are mounted on the moveable part of the door/enclosure, while the additional solenoid interlock, part no. **B8900**, which enables locking and monitoring of the door condition, is mounted on the static part of the door/enclosure. All models in the series have been designed on the same basic principles and can incorporate the following functions:

- **Simple operation;** all buttons and controls on the handles are simply activated with the thumb allowing for control and opening of the guard in just one movement.
- **Deactivation of the dead lock;** each handle has a button to deactivate and unlock the dead lock, two LED's indicate whether the door is locked or unlocked.
- **Safety;** machine start and stop buttons can optionally be integrated into the handle, as well as a machine emergency stop button.
- **Modular design;** handle **B8320** has been designed on a modular basis allowing for individual programming of handle functions for your own application
- **Electromechanical locking;** in combination with our solenoid interlocking devices **B8900** our functional handles provide an electromechanical locking system for both revolving and push doors.

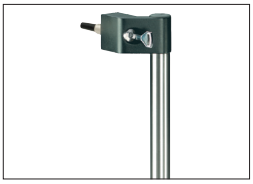
Basic non-functional handles available in same design to act as counter-handles.



Features

Programmable
Robust functional handles with separately programmable elements to suit any application.

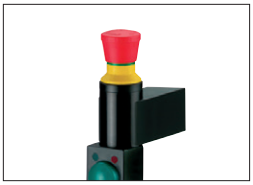
Functional
Functional handle with inbuilt emergency stop with 2 NC and 1 NO contacts for PLC systems.



Ergonomic
Simple and ergonomic mechanically locking handles, with electrical monitoring function; for use on cabinets and enclosures.

Inter-locking
Solenoid interlocks can be used to bolt doors or enclosures mechanically, with switching contacts enabling the monitoring of the lock/enclosure status.

Release button
Activating the release button deactivates the dead lock and opens the safety door. Two LED's above the release button indicate to the operator whether the door is locked or unlocked.



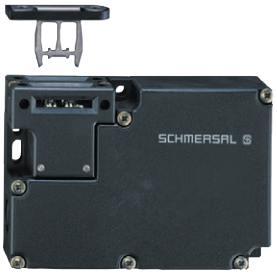
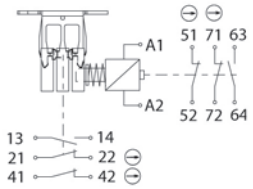
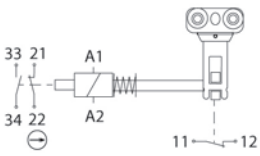
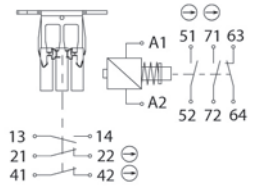
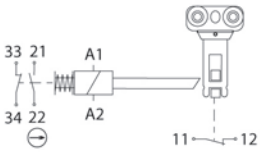
Emergency stop
Optional emergency stop button allows the operator to bring the entire machine to a stand still. The machine can then be resumed by re-setting the handle via a twist of the button. Conforms to EN418.

Start button
Machine start buttons can be included in the handle to initiate the machine.

Positioning
The start button can be positioned either above the door release button or when no emergency stop button is used, can be positioned on the top of the handle.

B8900 Solenoid Interlocks

for funtional handles B8100 to B8400

		
Wixroyd part no.	**B8900.AC01xx**	**B8900.AC02xx**
Standards	IEC/EN 60947-5-1, BG-GS-ET-19, IEC 60947-5-1	IEC/EN 60947-5-1, BG-GS-ET-19, IEC 60947-5-1
Enclosure	Glass-fibre reinforced thermoplastic	Glass-fibre reinforced thermoplastic
Actuator and locking bolt	Stainless steel 1.4301	Zinc-plated steel/zinc diecast, chromated
Contact material	Silver	Silver
Protection class	IP67	IP67
Termination	Screw clamps	Screw clamps
Cable section	Max. 1.5mm² (inc. conductor ferrules)	Max. 1.5mm² (inc. conductor ferrules)
Cable entry	4 x M16 x 1,5	4 x M20 x 1,5
Rated impulse withstand voltage U_i	4 kV	2.5 kV
Rated insulation voltage U_1	250 V	250 V
Thermal test current I_{the}	10 A	10 A
Rated operating current /voltage $i_{e/Ve}$	2,5 A/24 VDC	2,5 A/24 VDC
Rated control voltage U_s	24 VAC/DC	24 VDC
Ambient temperature	-25° C... to +60° C	0° C... to +50° C
Holding force F max.	2000 N	1750 N
Actuating head	3 actuator openings	Can be repositioned by 4 x 90°
Manual release	For manual unlocking by triangular key. Emergency exit device and emergency release optional available	For manual unlocking by triangular key. Emergency release optional available
Power to unlock		
Power to lock		

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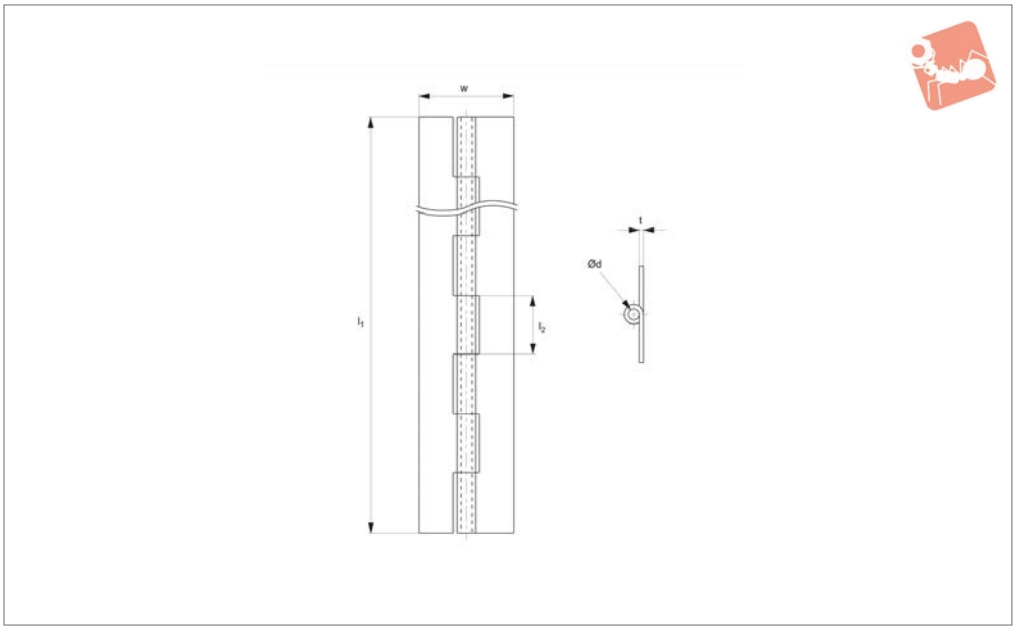
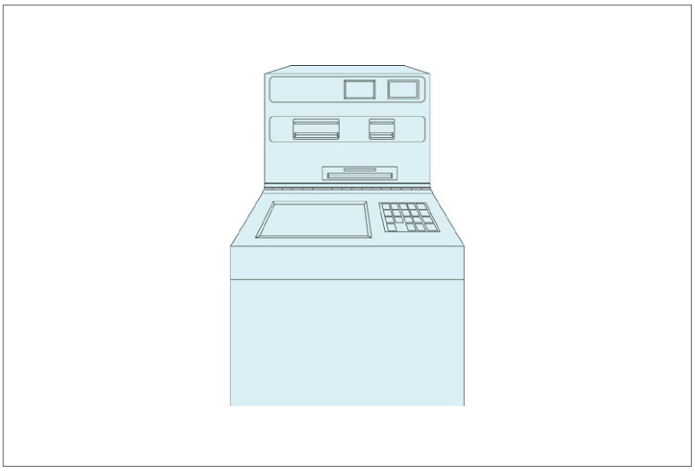


S0050

Material
Stainless steel, AISI 304, satin finish.

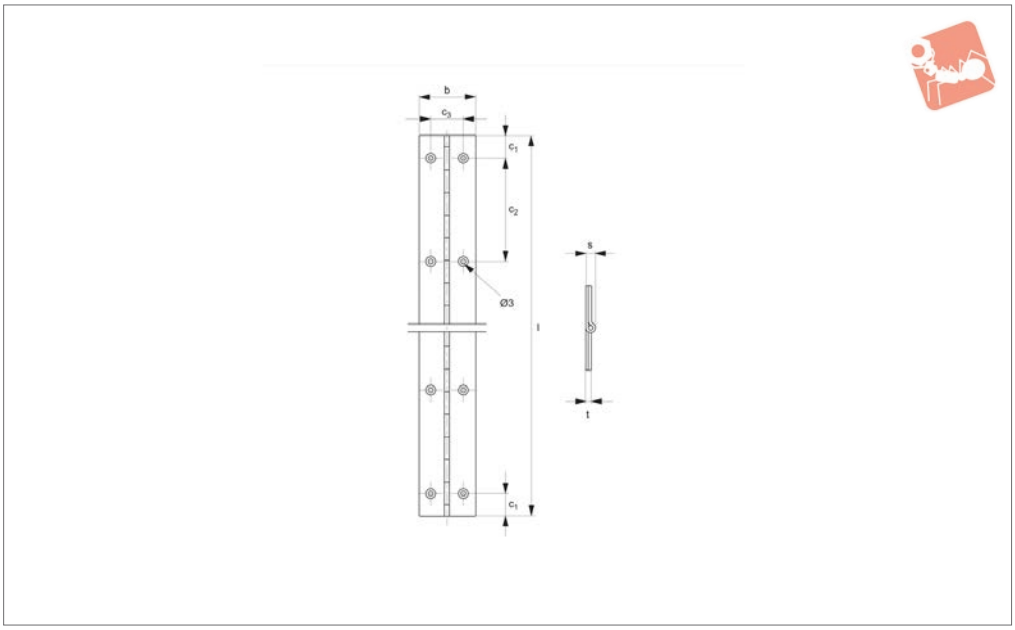
Order No.	l_1	l_2	t	w	d	Weight g
S0050.AC0202	300	12.5	0.8	25	2.6	66
S0050.AC0206	1000	12.5	0.8	25	2.6	222
S0050.AC0302	300	12.5	0.8	32	2.6	80
S0050.AC0306	1000	12.5	0.8	32	2.6	272
S0050.AC0326	600	20.0	1.5	32	3.5	330
S0050.AC0330	1000	20.0	1.5	32	3.5	574
S0050.AC0382	1000	20.0	1.5	38	3.5	615
S0050.AC0502	1000	20.0	1.5	50	3.5	759
S0050.AC0552	1000	50.0	2.0	50	5.0	774



Surface Mount - Piano Hinges

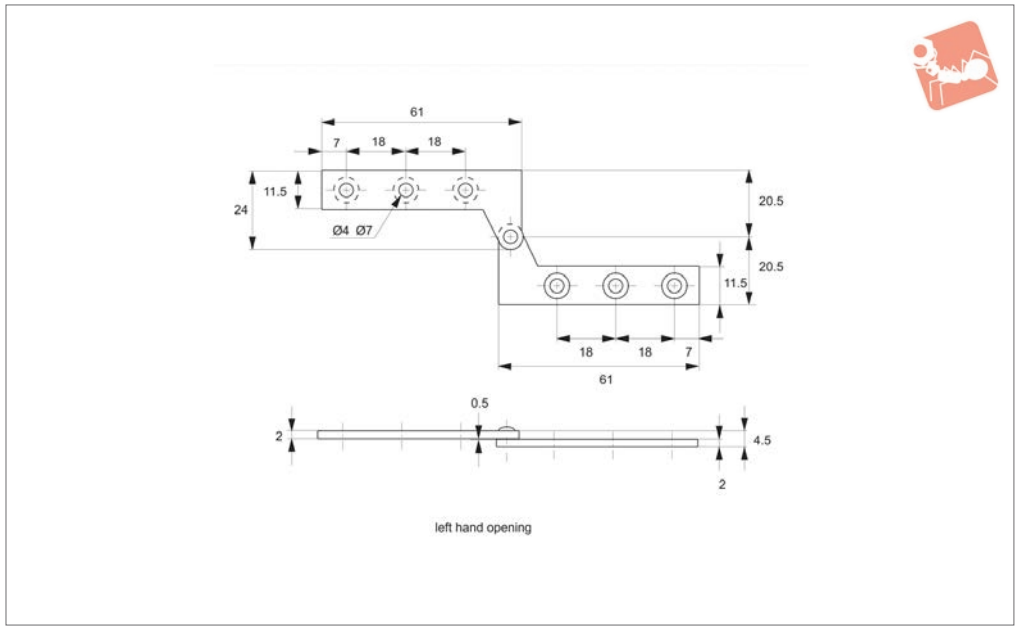
screw mount - stainless steel

S0100



Material
Stainless steel, AISI 304, satin finish.

Order No.	b	c_1	c_2	c_3	l	s	t	Holes	Weight g
S0100.AC0324	30	10.5	43.5	17	240	3.5	1.2	12	65
S0100.AC0330	30	10.5	46.3	17	300	3.5	1.2	14	80
S0100.AC0336	30	15.0	47.0	17	360	3.5	1.2	16	95
S0100.AC0345	30	14.5	60.0	17	450	3.5	1.2	16	120
S0100.AC0360	30	14.0	63.3	17	600	3.5	1.2	20	190
S0100.AC0390	30	14.0	62.3	17	900	3.5	1.2	30	280



S0200

Material
Stainless steel, AISI 430, satin finish.

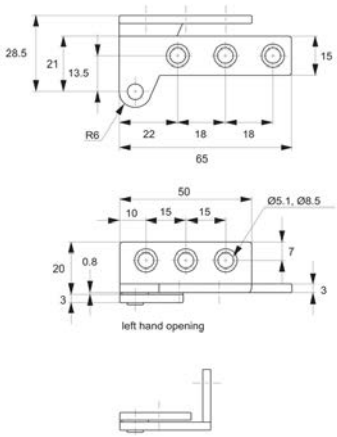
Technical Notes
Max. door size: 450w x 700h x 21mm thick.
Max. door weight: 2,6Kg per hinge pair.

Order No.	Type	Weight g
S0200.AC0110	Left	22
S0200.AC0010	Right	22

Surface Mount - Pivot Hinges

overlay - stainless steel

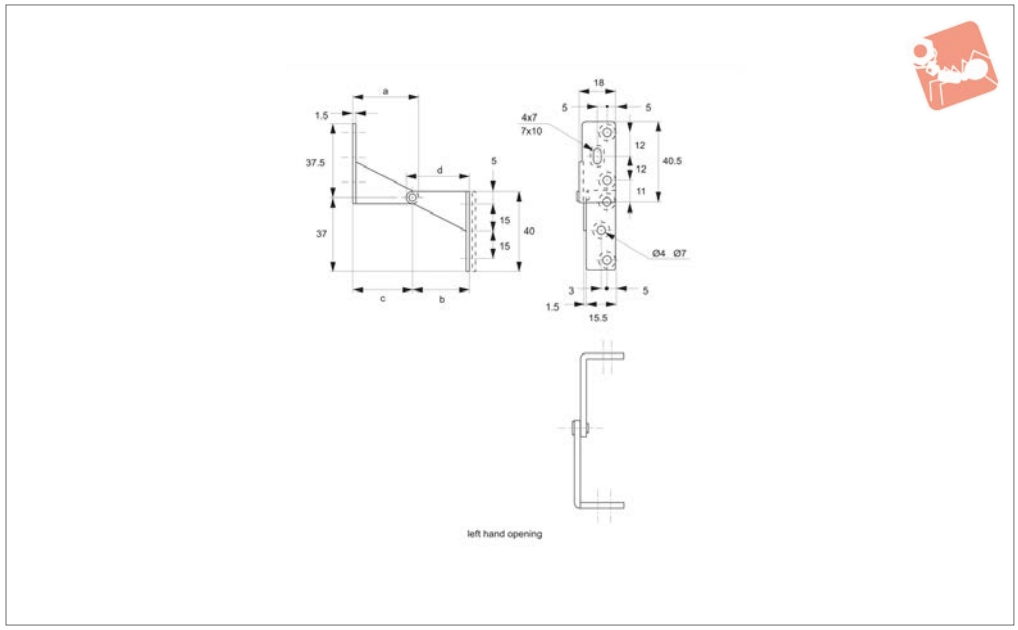
S0220



Material
Stainless steel, AISI 430, satin finish.

Technical Notes
Max. door size: 450w x 700h x 21mm thick.
Max. door weight: 2,6Kg per hinge pair.

Order No.	Type	Weight g
S0220.AC0110	Left	55
S0220.AC0010	Right	55

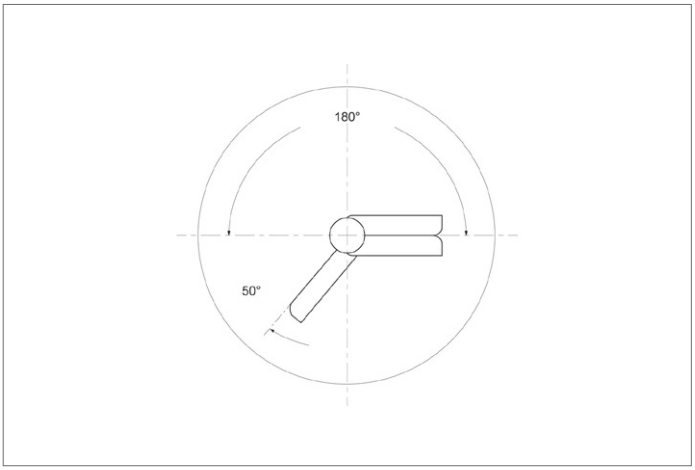


S0240

Material
Stainless steel, AISI 430, satin finish.

Technical Notes
Max. door size: 300w x 700h x 21mm thick.
Max. door weight: 1,8Kg per hinge pair.

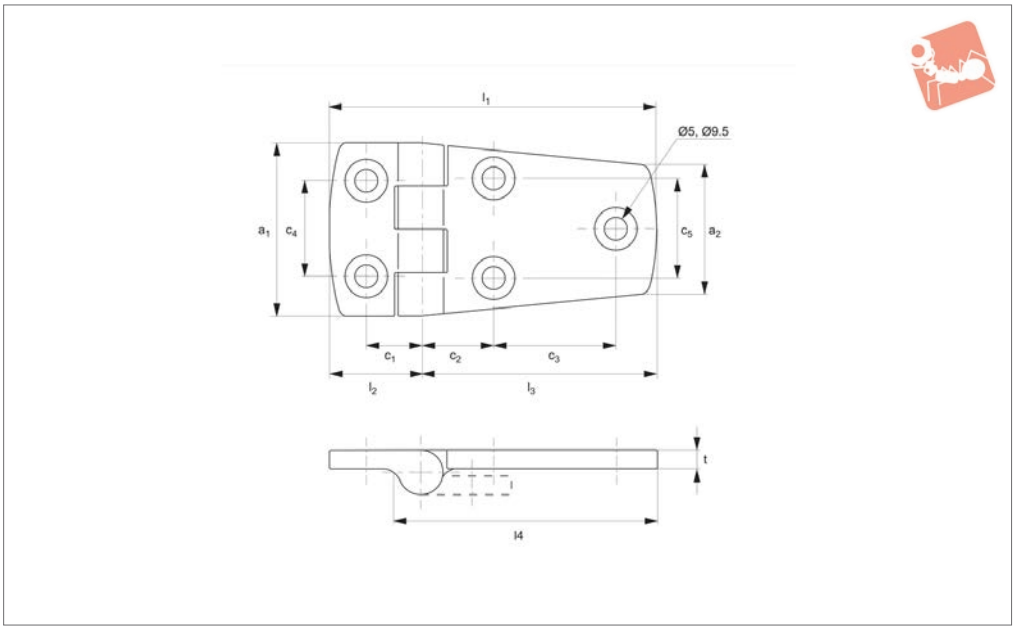
Order No.	Type	a	b	c	d	Weight g
S0240.AC0110	Left	34	28	30.5	31	23
S0240.AC0010	Right	34	28	30.5	31	23
S0240.AC0120	Left	28	22	24.5	25	21
S0240.AC0020	Right	28	22	24.5	25	21



Surface Mount - Leaf Hinges

screw mount - stainless steel

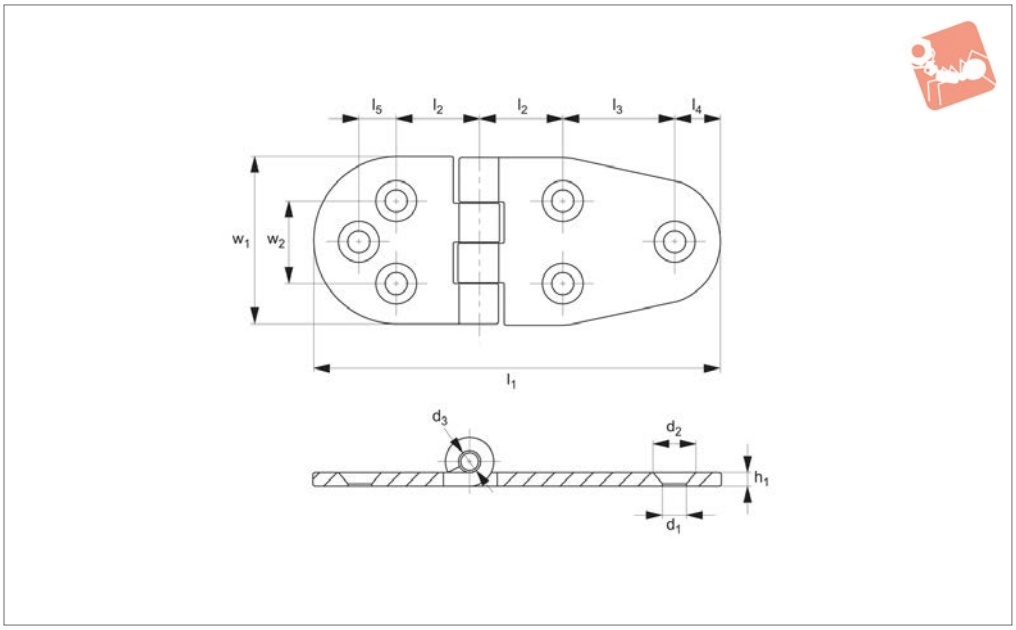
S0460



Material
Stainless steel, AISI 316, satin finish.

Technical Notes
Max. door size: 450w x 700h x 21mm thick.
Max. door weight: 4,0Kg per hinge pair.

Order No.	a_1	a_2	c_1	c_2	c_3	c_4	c_5	l_1	l_2	l_3	l_4	t	Weight g
S0460.AC0005	38	28	12	13.5	16.5	21	20	58	20	38	42	4	70
S0460.AC0007	38	28	12	16.0	27.0	22	21	72	20	52	57	4	85



S0462

Material
Hinge: stainless steel.

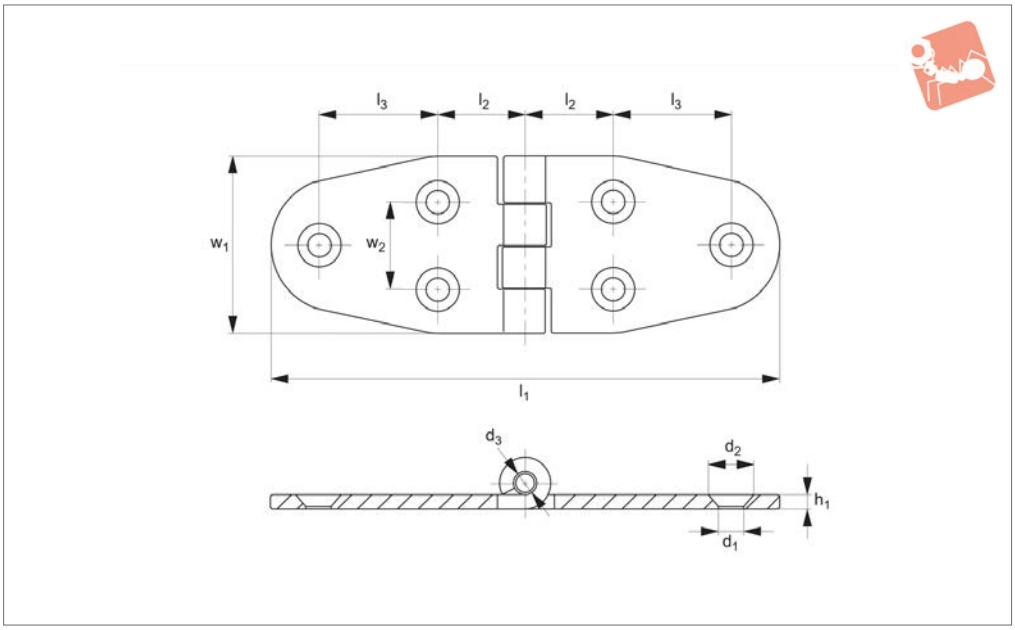
Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	l_3	l_4	l_5	w_1	w_2	F_x N	F_y N	d_1	d_2	d_3
S0462.AW0040	2.5	99.5	20	27	12.7	9	40	20	520	600	5.6	10	5

Surface Mount - Leaf Hinges

screw mount - stainless steel

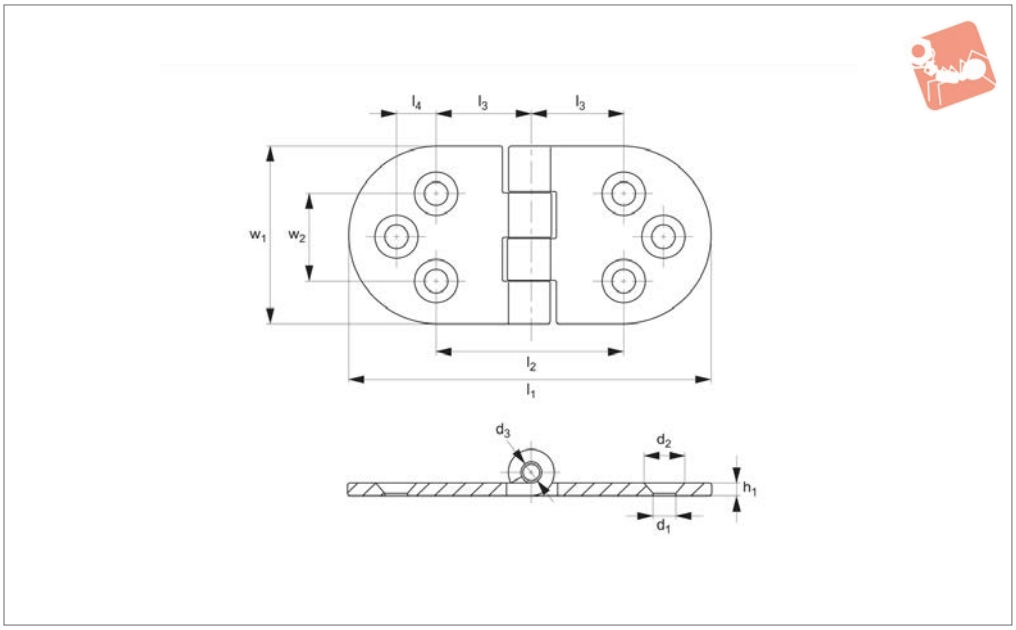
S0464



Material
Hinge: stainless steel.

Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	l_3	w_1	w_2	F_x N	F_y N	d_1	d_2	d_3
S0464.AW0040	2.5	119.5	20	27	40	20	520	600	5.6	10	5



S0466

Material
Hinge: stainless steel.

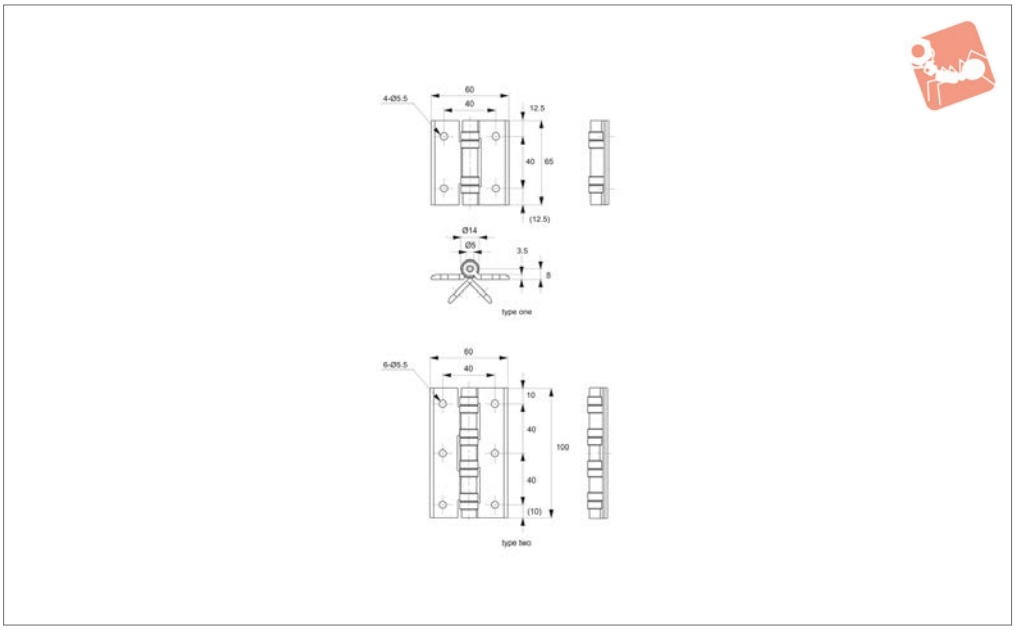
Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	l_3	l_4	w_1	w_2	F_x N	F_y N	d_1	d_2	d_3
S0466.AW0040	2.5	79.5	58	20	9	40	20	520	600	5.6	10	5

Surface Mount - Leaf Hinges

screw mount - aluminium - clean room

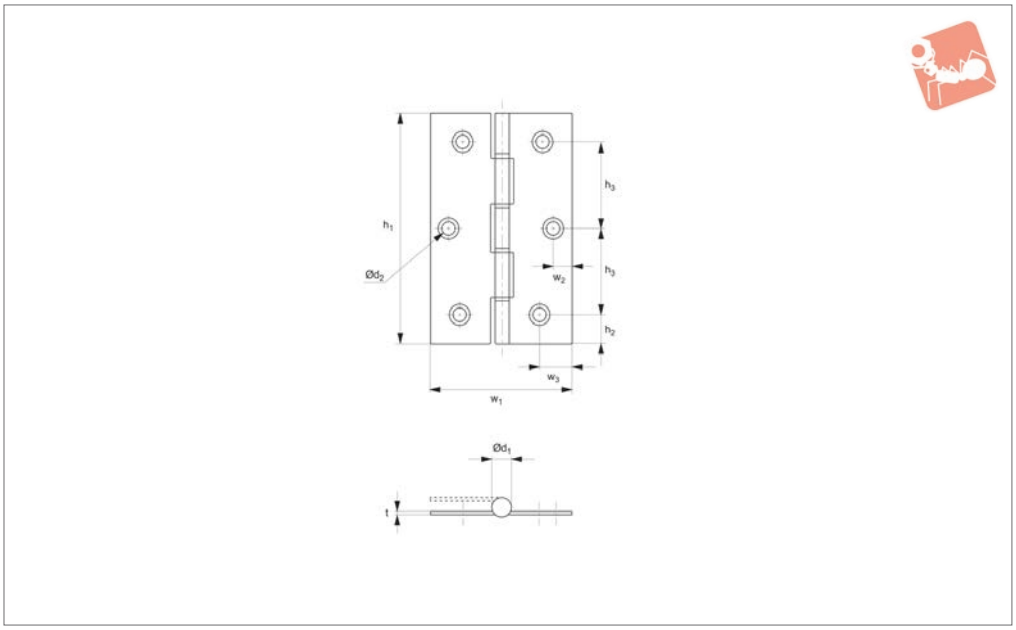
S0600



Material
Body: aluminium.
Spacer: polyacetal.
Pin: stainless steel, AISI 304.

Technical Notes
Due to unique spacers, hinge generates no friction powder and is ideal for semiconductor rooms, clean rooms, medical and food processing applications.

Order No.	Type	Load/pair kg max.	Weight g
S0600.AC0065	Type one	8	60
S0600.AC0100	Type two	13	100



S0700

Material
Body: stainless steel, AISI 304, polished finish.

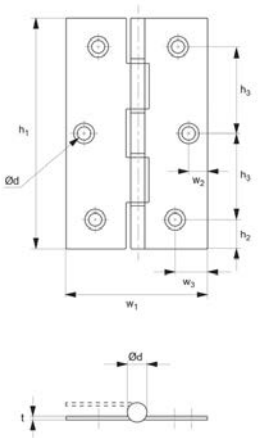
Bushing: polyacetal.

Order No.	h_1	h_2	h_3	t	w_1	w_2	w_3	d_1	d_2	No. of knuckles	No. of mounting holes	Weight g
S0700.AC0005	51	7.5	36	1.3	39.0	-	7.0	6.2	4.2	3	4	27.4
S0700.AC0006	64	7.0	25	1.3	42.5	6.0	8.0	6.2	5.0	5	6	36.5
S0700.AC0007	76	9.0	29	1.5	50.0	7.0	9.0	7.4	5.2	5	6	59.5
S0700.AC0008	89	10.5	34	1.7	56.5	7.5	10.5	9.0	5.4	5	6	91.6
S0700.AC0010	102	9.0	28	1.8	70.0	9.0	14.0	9.5	6.0	5	8	132.5
S0700.AC0012	127	11.0	35	1.9	82.0	10.5	16.0	11.5	6.0	5	8	231.5

Surface Mount - Leaf Hinges

screw mount - stainless steel

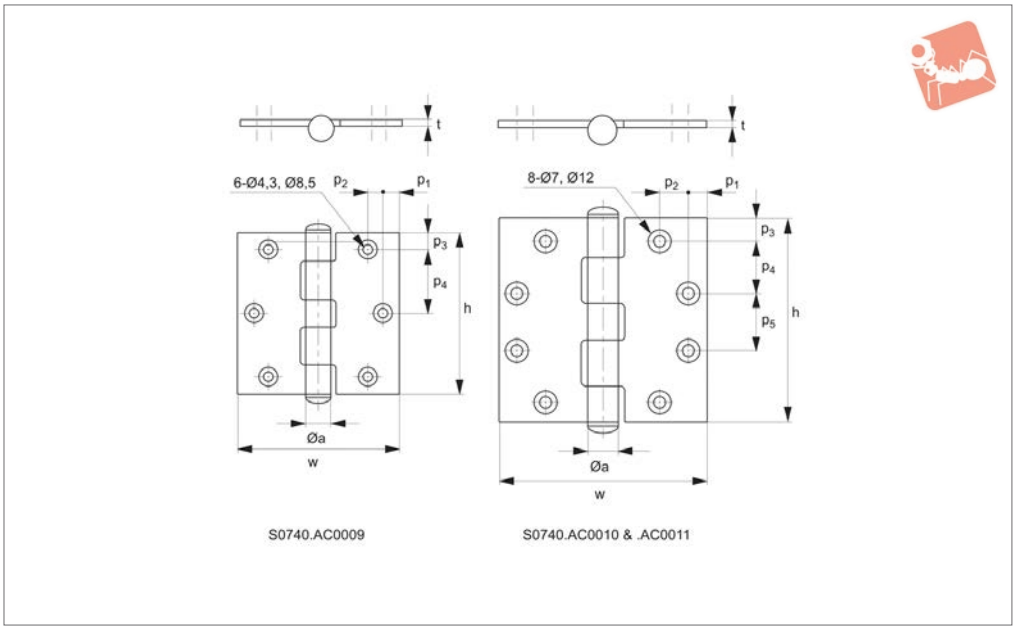
S0720



Material

Stainless steel, AISI 304, polished finish.

Order No.	h_1	h_2	h_3	t	w_1	w_2	w_3	d_1	d_2	No. of knuckles	No. of mounting holes	Weight g
S0720.AC0005	51	7.5	36	0.8	34.5	-	6.5	4.8	4.4	5	4	15.2
S0720.AC0006	64	8.0	24	0.9	40.0	5.5	9.0	5.0	4.2	5	6	23.8
S0720.AC0007	76	10.0	28	1.0	46.0	7.5	10.0	6.0	4.5	5	6	37.8
S0720.AC0008	89	9.5	35	1.2	56.0	8.0	12.0	7.0	5.5	5	6	63.6
S0720.AC0010	102	10.5	27	1.4	66.5	9.0	12.0	8.0	5.5	5	8	96.4
S0720.AC0012	127	11.0	35	1.5	82.0	10.0	17.0	9.0	5.4	5	8	161.5



S0740

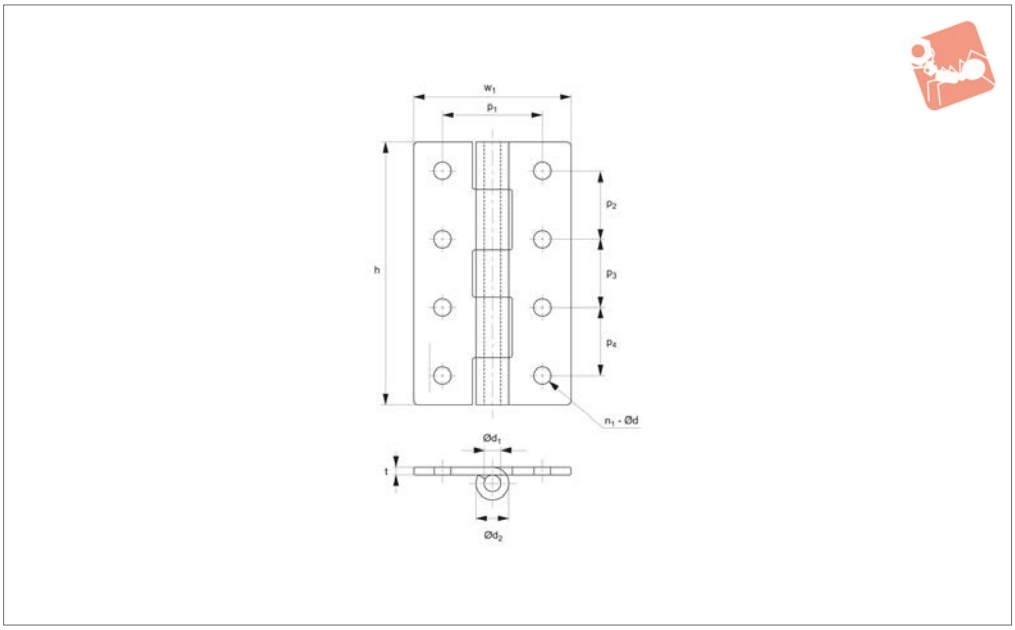
Material
Stainless steel, AISI 304, satin finish.

Order No.	a	h	p_1	p_2	p_3	p_4	p_5	t	w	Load/pair kg	Weight g
S0740.AC0009	14.0	89.0	9.1	8.0	9.1	35.4	-	3.0	89.0	25	145
S0740.AC0010	14.8	101.6	9.5	9.5	13.0	25.5	24.6	3.4	101.6	40	195
S0740.AC0011	14.8	114.3	9.5	15.9	12.9	28.6	31.3	3.4	114.3	45	420

Surface Mount - Leaf Hinge

screw mount - stainless steel

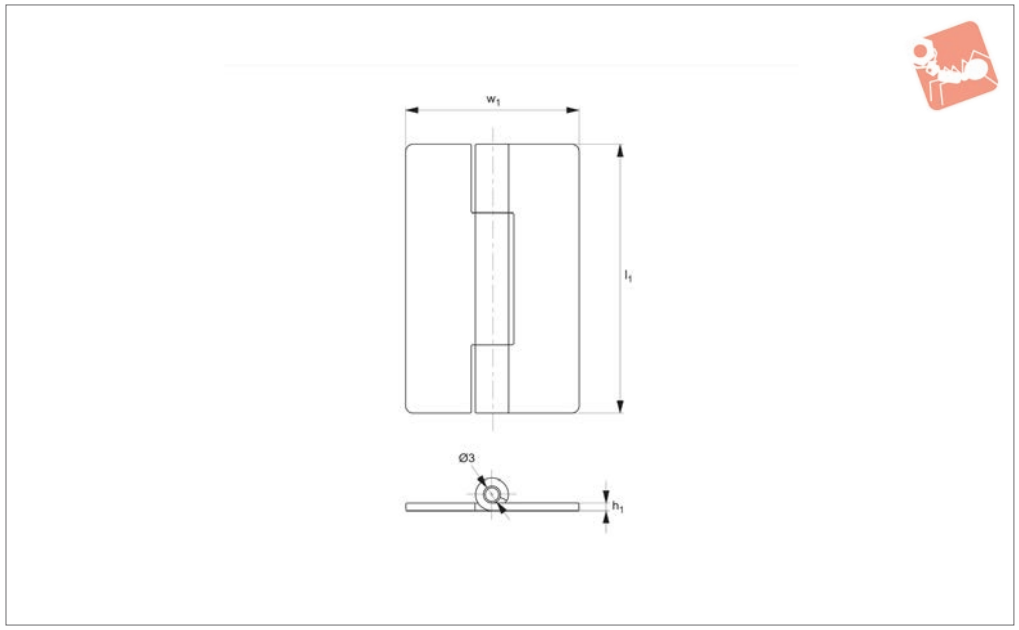
S0780



Material

Stainless steel, AISI 304, polished finish.

Order No.	h	n_1	n_2	p_1	p_2	p_3	p_4	t	w	d_1	d_2	d_3	Load/pair kg	Weight g
S0780.AC0040	40	4	3	22	26	-	-	1.5	35	3.2	3.0	6.3	6	25
S0780.AC0050	50	4	3	22	34	-	-	1.5	35	4.3	3.0	6.3	8	30
S0780.AC0065	65	6	5	30	23	23	-	2.0	50	4.3	4.5	8.8	13	64
S0780.AC0075	75	6	5	30	27	27	-	2.0	50	5.3	4.5	8.8	15	74
S0780.AC0090	90	6	5	38	35	35	-	3.0	60	6.4	6.0	12.3	25	180
S0780.AC0100	100	8	5	38	26	26	26	3.0	60	6.4	6.0	12.3	30	195



S0730

Material
Hinge: polished stainless steel.

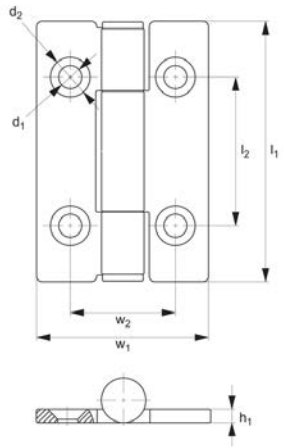
Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	w_1	F_x N	F_y N
S0730.AW0050	1.5	50	32	516	665

Surface Mount - Leaf Hinges

screw mount - stainless steel

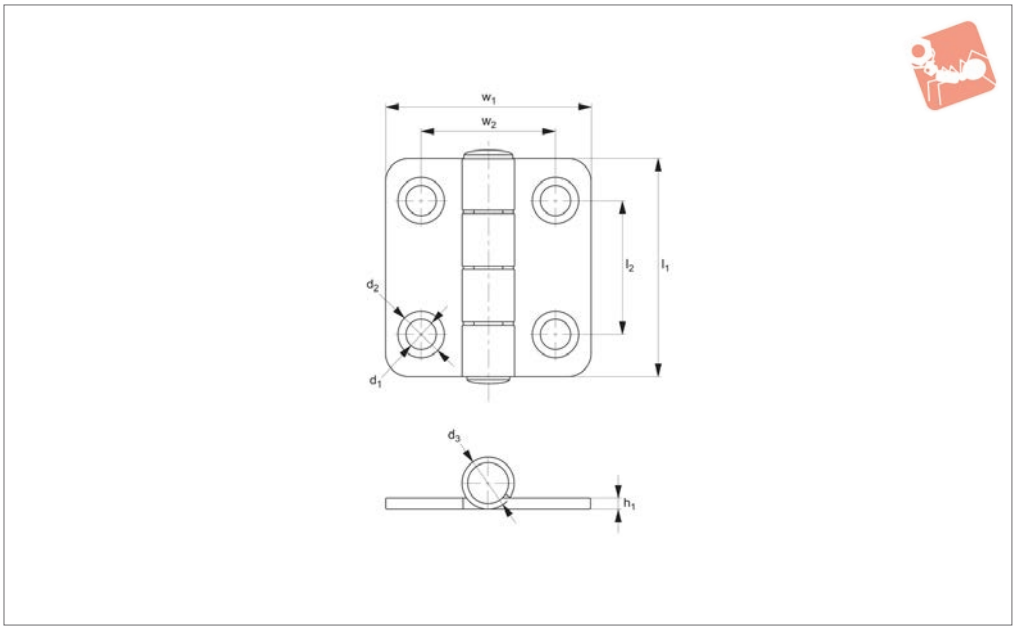
S0732



Material
Hinge and pin: electrolytic stainless steel.

Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	w_1	w_2	F_x N	F_y N	d_1	d_2
S0732.AW0050	2	50.8	30	32	20	520	800	4.5	7.5



S0738

Material
Hinge: polishing stainless steel.

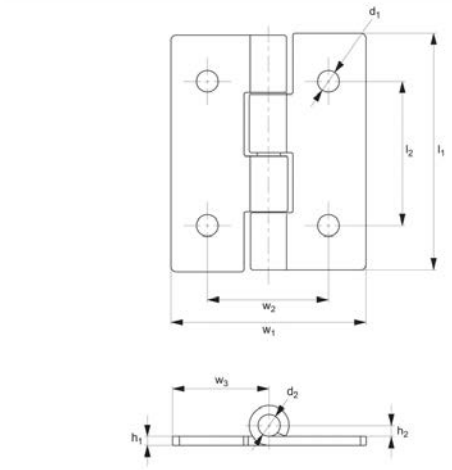
Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	w_1	w_2	F_x N	F_y N	d_1	d_2	d_3
S0738.AW0037	2	37	22.5	35	23	745	1090	5.2	8	9

Surface Mount - Leaf Hinges

screw mount - stainless steel

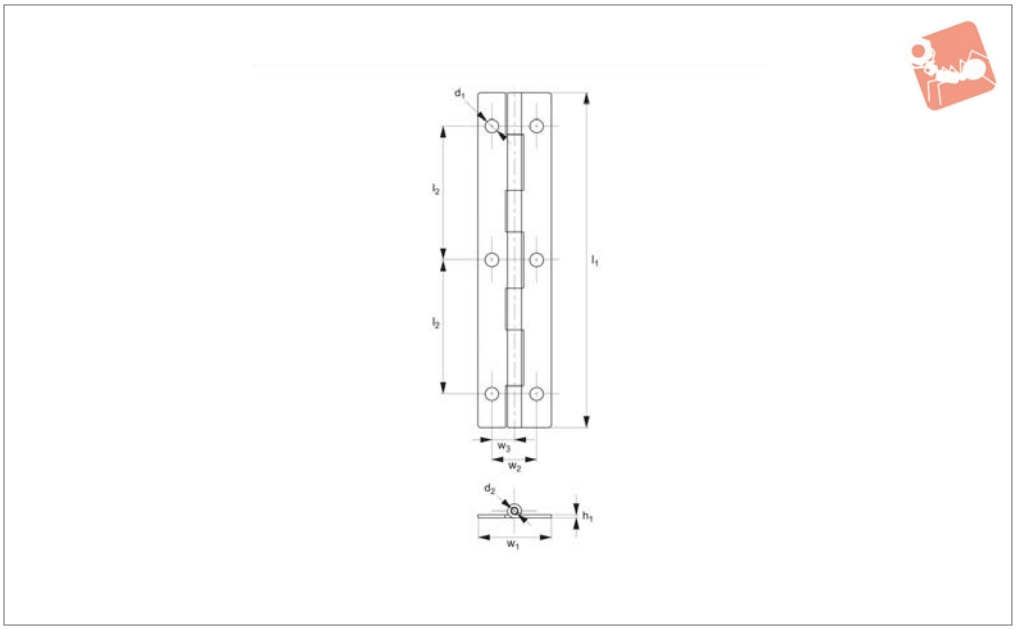
S0741



Material
304 stainless steel.

Technical Notes
Opening angle 180°.

Order No.	h_1	h_2	l_1	l_2	w_1	w_2	w_3	F_x N	F_y N	d_1	d_2
S0741.AW0040	1.2	1.8	40	24	32	20	16	340	600	3.2	3.5



S0742

Material
Hinge: steel, zinc plated

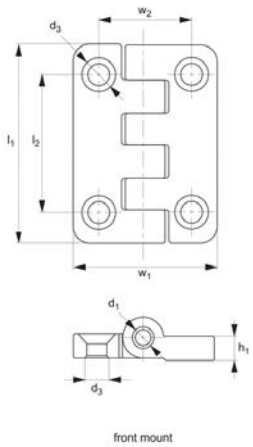
Technical Notes
Opening angle 180°.

Order No.	h_1	l_1	l_2	w_1	w_2	w_3	F_x N	F_y N	d_1	d_2
S0742.AW0150	1.5	150	60	32	20	10	840	1380	6	3.5

Surface Mount - Leaf Hinges

screw mount - zinc

S0750

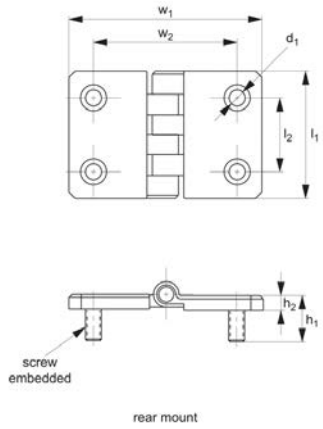


Material
Hinge: die cast zinc, chrome plated or black powder coated.

Pin: steel

Technical Notes
Opening angle 180°.

Order No.	Finish	Mount	h_1	l_1	l_2	w_1	w_2	F_x kN	F_y kN	d_1	d_3
S0750.AW0020	Chrome	Front	7	54	38	40	26	1.5	1.8	7	Ø6
S0750.AW0320	Black Coated	Front	7	54	38	40	26	1.5	1.8	7	Ø6
S0750.AW0030	Chrome	Front	6	50	30	76	56	1.125	1.49	7	Ø6
S0750.AW0330	Black Coated	Front	6	50	30	76	56	1.125	1.490	7	Ø6



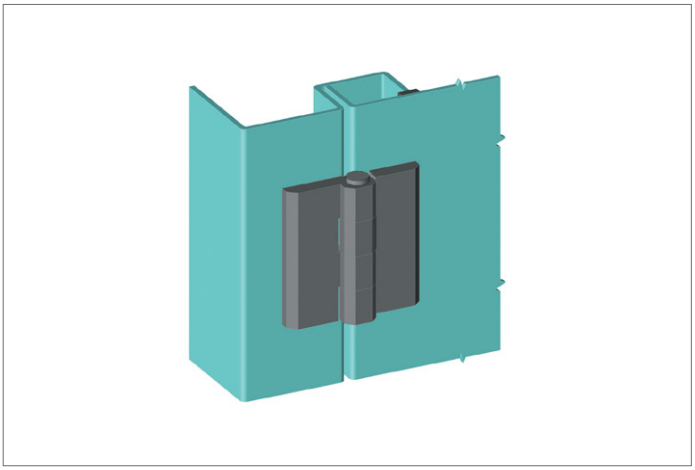
S1136

Material
Hinge: die cast zinc, chrome plated or black powder coated.

Pin: steel

Technical Notes
Opening angle 180°.

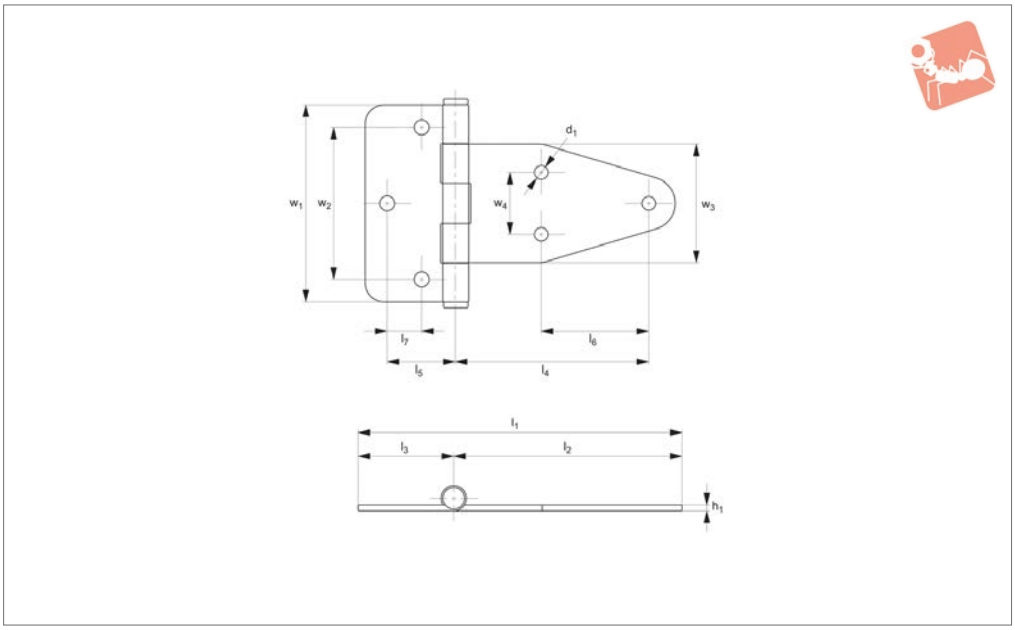
Order No.	Finish	Mount	h_1	h_2	l_1	l_2	w_1	w_2	F_x kN	F_y kN	d_1
S1136.AW0020	Chrome	Rear	20.5	7	54	38	40	26	1.5	1.8	M6
S1136.AW0320	Black Coated	Rear	20.5	7	54	38	40	26	1.5	1.8	M6
S1136.AW0030	Chrome	Rear	21.0	6	50	30	76	56	1.125	1.49	M6
S1136.AW0330	Black Coated	Rear	21.0	6	50	30	76	56	1.125	1.49	M6



Surface Mount - Leaf Hinges

screw mount - stainless steel

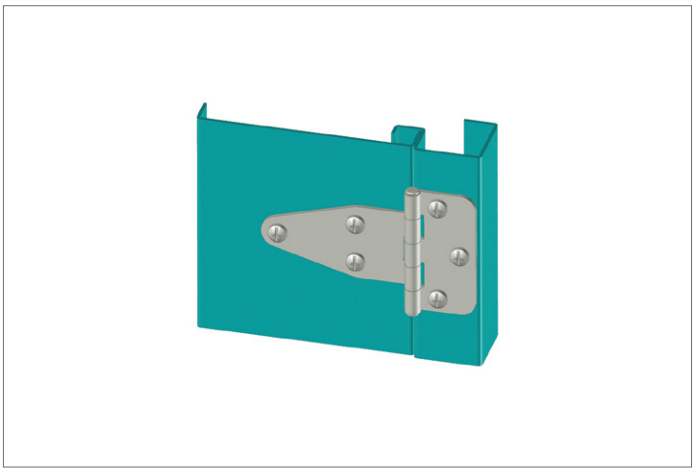
S0818

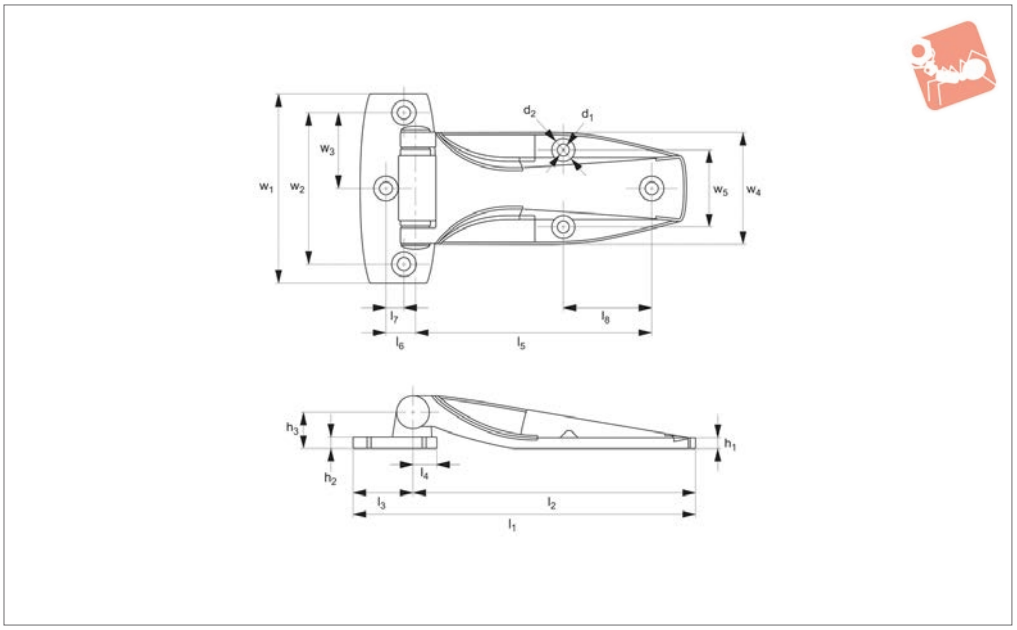


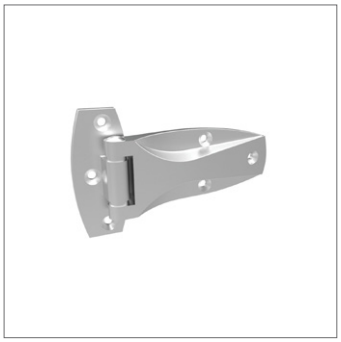
Material
Hinge: stainless steel AISI 304, polished.

Technical Notes
For plain/flush mounted, isolated heavy doors, as well as electrical panels and covers. Opening angle 180°.

Order No.	h_1	l_1	l_2	l_3	l_4	l_5	l_6	l_7	w_1	w_2	w_3	F_x N	F_y N	d_1
S0818.AW0010	2.5	137	97	40	85.5	30	48	15	85	65	57	750	850	6.5





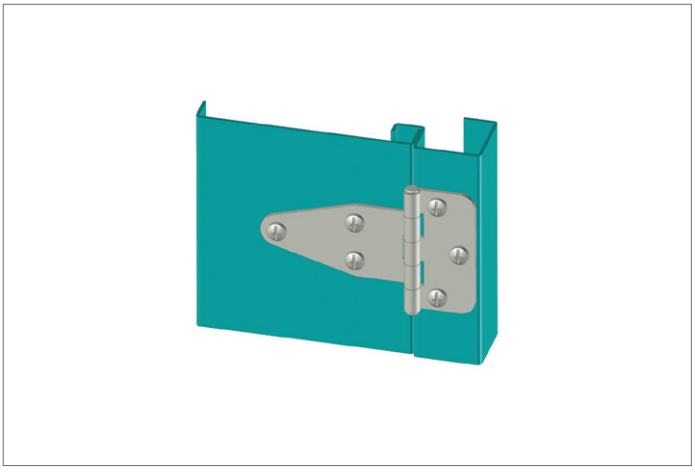


S0820

Material
Hinge: stainless steel AISI 304, polished.

Technical Notes
Opening angle 135°.

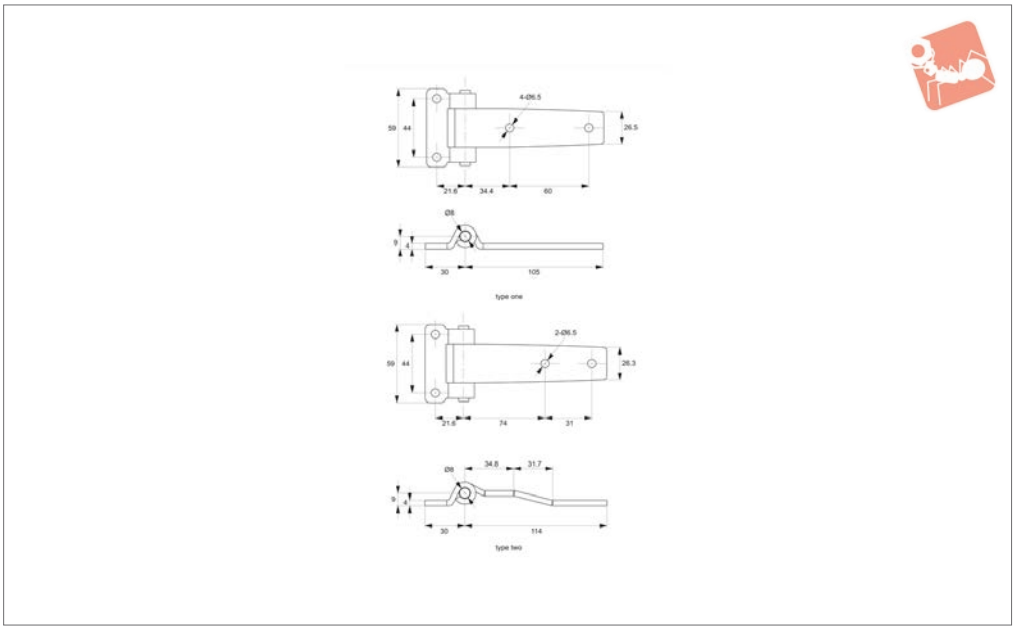
Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8	w_1	w_2	w_3	w_4	w_5	F_x N	d_1	d_2
S0820.AW0010	4.5	5	15.2	141.8	116.8	25	10	102.4	13	8.2	37.9	83	66	33	49	33.5	2170	5.2	10.5



Surface Mount - Leaf Hinges

screw mount - stainless steel

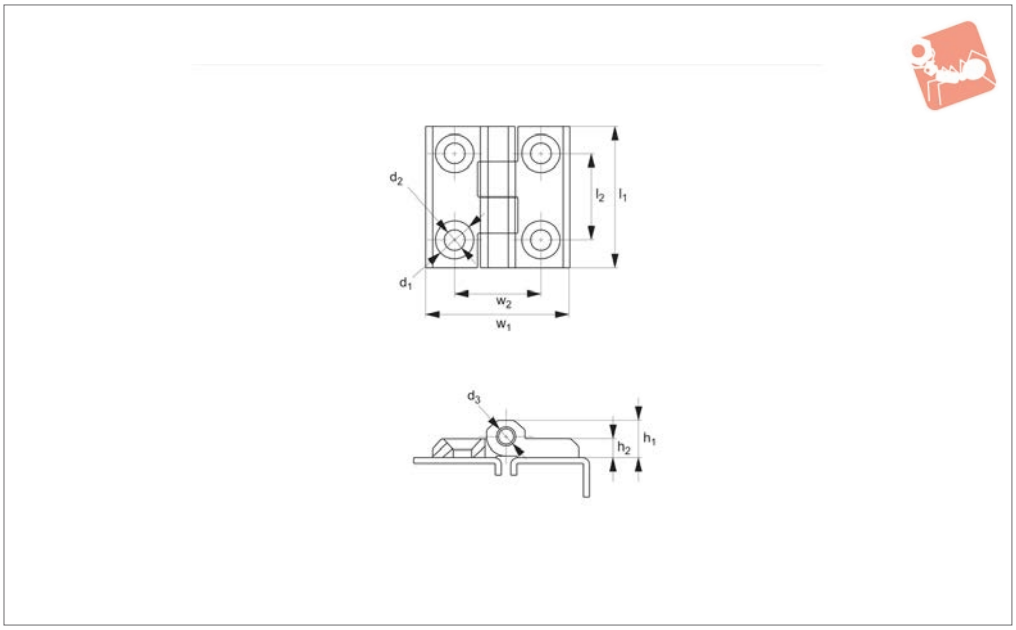
S0822



Material
Hinge and pin: stainless steel, AISI 304, polished.

Technical Notes
Opening angle 180°.

Order No.	Type	Length	F_x kN	F_y kN	Width
S0822.AW0010	type one	135	1.12	1.2	59
S0822.AW0110	type two	134	1.12	1.2	59



S0523

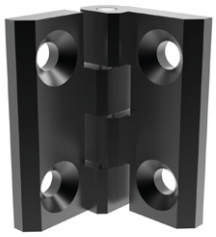
Material
Stainless steel, AISI 304.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.
Opening angle 180°.

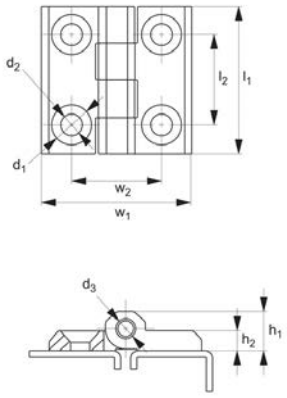
Order No.	Size	h_1	h_2	l_1	l_2	w_1	w_2	d_1	d_2	d_3	90° Angled stress kN	Axial load F_x N max.	Axial stress kN	Radial load F_x N max.	Radial stress kN
S0523.AW0040	40 x 40	9,0	5	40	25	40	25	10,5	5,3	4	2,00		1,45		2,1
S0523.AW0050	50 x 50	11,5	6	50	30	50	30	12,5	6,3	7	2,45	1,3	2,10	1,2	3,5
S0523.AW0060	60 x 60	15,0	8	60	36	60	36	12,5	8,4	8	4,40	1,8	3,20	1,5	6,0

Surface Mount - Leaf Hinges

screw mount - zinc



S0561



Material

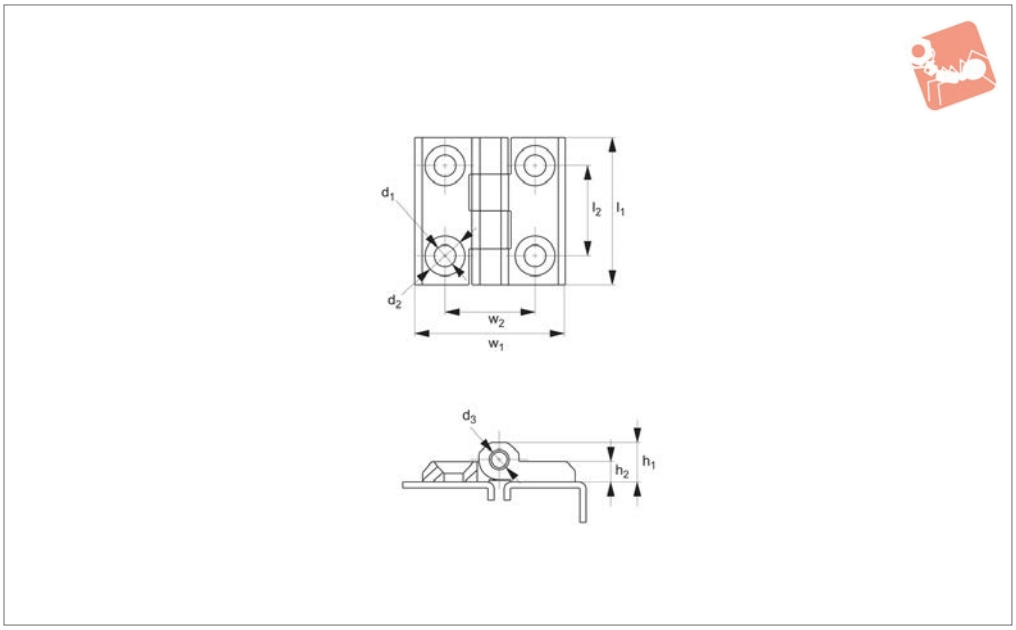
Black Coated
Body: die cast zinc, black powder coated.
Pin: steel, nickel plated.

Chrome
Body: die cast zinc, chrome plated.
Pin: steel, nickel plated.

Technical Notes

For plain/flush mounted doors, as well as electrical panels and covers. Opening angle 180°.

Order No.	Finish	Size	h_1	h_2	l_1	l_2	w_1	w_2	d_1	d_2	90° Angled stress kN	Axial load F_x N max.	Axial stress kN	Radial load F_x N max.	Radial stress kN
S0561.AW0040	Black Coated	40 x 40	9,0	5,0	40	25	40	25	10,2	5,3	2,00	1,2	1,45	1,0	2,1
S0561.AW0050	Black Coated	50 x 50	11,5	6,0	50	30	50	30	12,5	6,3	2,45	1,3	2,10	1,2	3,5
S0561.AW0060	Black Coated	60 x 60	15,0	8,0	60	36	60	36	16,5	8,4	4,40	1,8	3,20	1,5	6,0
S0561.AW0057	Black Coated	50 x 76	11,5	6,0	50	30	76	56	12,5	6,3	1,25	1,2	1,30	1,1	3,0
S0561.AW0612	Black Coated	60x120	15,0	8,0	60	36	120	88	12,5	6,8	1,50	1,2	1,30	1,1	4,5
S0561.AW0140	Chrome	40 x 40	9,8	5,2	40	25	40	25		5,2	2,00		1,45		2,1
S0561.AW0157	Chrome	50 x 76	11,0	6,0	50	30	76	55		6,3	2,45		2,10		3,5
S0561.AW0160	Chrome	60 x 60	17,2	8,2	60	38	60	36		8,2	1,25		1,30		3,0
S0561.AW0150	Chrome	50 x 50	11,2	6,0	50	30	50	30		6,3	4,40		3,20		6,0
S0561.AW1612	Chrome	60x120	17,2	8,2	60	90	120	36		8,2	1,50		1,30		4,5



S0563

Material
Body: polyamide.
Pin: steel, nickel plated.

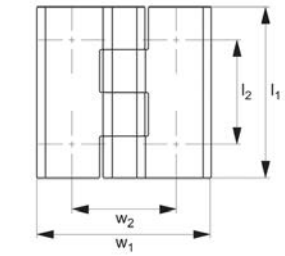
Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers. Opening angle 180°.

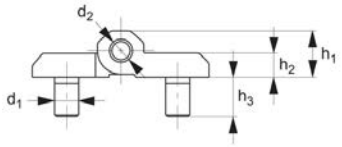
Order No.	Size	h_1	h_2	l_2	w_1	w_2	F_x kN	F_y kN	d_1	d_2	d_3
S0563.AW0040	40 x 40	9.8	5	25	40	25	-	-	10.5	5.3	6
S0563.AW0050	50 x 50	11.5	5	30	50	30	1.2	1.3	12.5	6.3	6

Surface Mount - Leaf Hinges

integrated stud mount - zinc

S1101



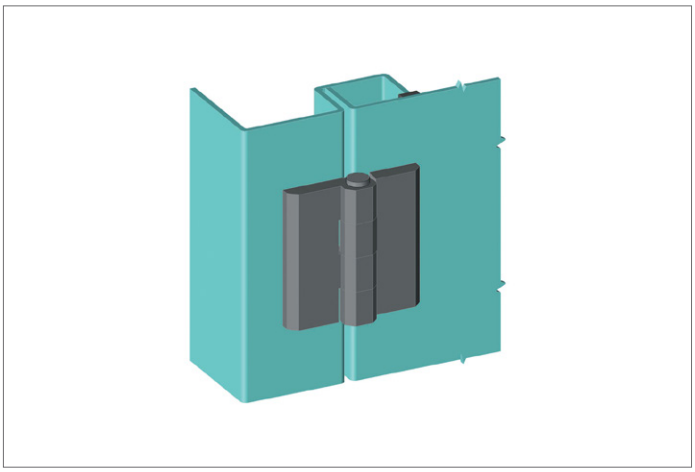


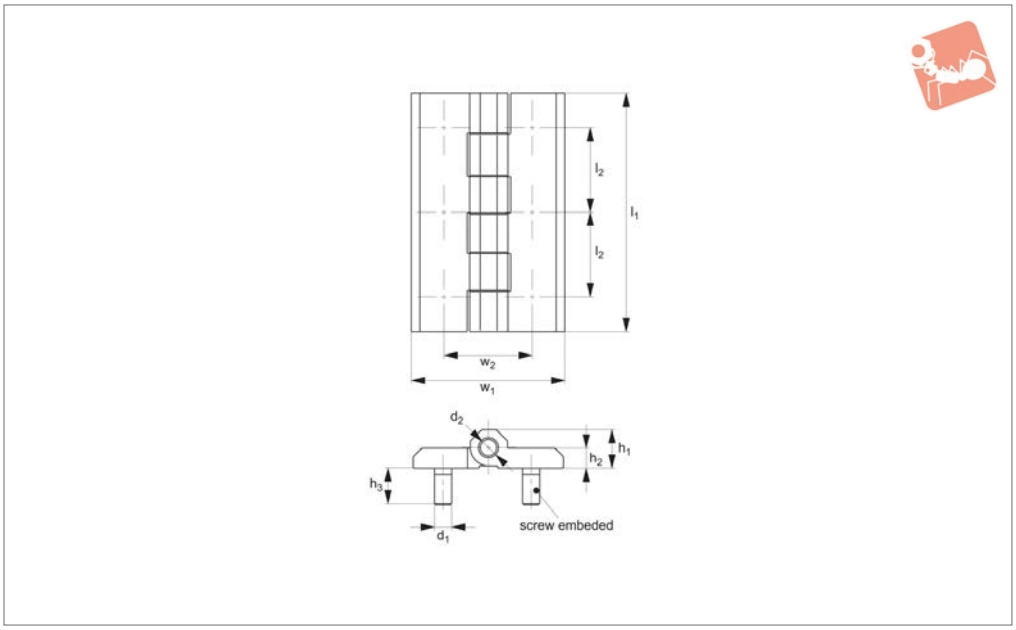
Material
Body: die cast zinc, black powder coated.
Pin: steel, nickel plated.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.

Opening angle 180°.

Order No.	Finish	Size	h_1	h_2	h_3	l_1	l_2	w_1	w_2	d_1	d_2	90° Angled stress	Axial load F_x N max.	Axial stress kN	Radial load F_x N max.	Radial stress kN
S1101.AW0040	Black Coated	40 x 40	9,0	5	10,0	40	25	40	25	M 5	4	1,85	1.2	0,9	1.0	1,7
S1101.AW0050	Black Coated	50 x 50	11,5	6	12,5	50	30	50	30	M 6	6	2,0	1.3	2,05	1.2	3,55
S1101.AW0057	Black Coated	50 x 70	11,5	6	12,5	50	30	76	56	M 6	6	2,00	1.2	1,5	11.2	3,00
S1101.AW0060	Black Coated	60 x 60	15,0	8	16,5	60	36	60	36	M 6	8	2,55	1.8	3,05	1.5	4,05
S1101.AW0612	Black Coated	60 x 120	15,0	8	16,5	60	36	120	88	M 8	8	1,5	1.2	1,5	1.12	4,5
S1101.AW0140	Chrome	40 x 40	9,0	5	10,0	40	25	40	25	M 5	4					
S1101.AW0150	Chrome	50 x 50	11,5	6	12,5	50	30	50	30	M 6	6					
S1101.AW0160	Chrome	60 x 60	15,0	8	16,5	60	36	60	36	M 8	8					





S1113

Material
Hinge: die cast zinc, black powder coated.
Pin: nickel-plated steel.

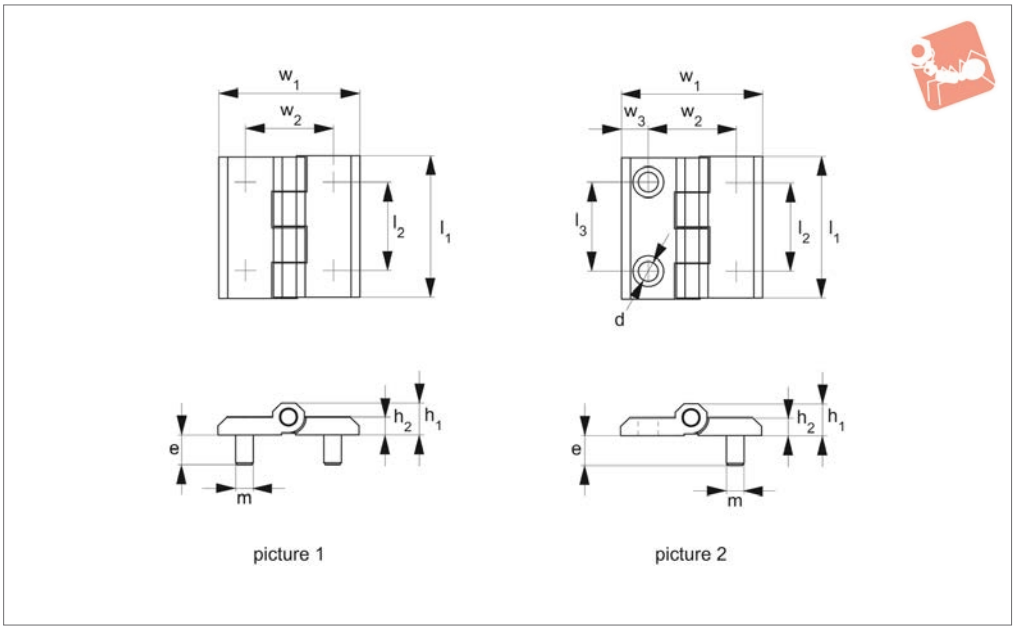
Technical Notes
Opening angel 180°.

Order No.	Type	h_1	h_2	h_3	l_1	l_2	w_1	w_2	F_x kN	F_y kN	d_1	d_2
S1113.AW0010	Left	15	8	14.5	90	32	60	36	1.12	1.2	M 8	8
S1113.AW0020	Right	15	8	14.5	90	32	60	36	1.12	1.2	M 8	8

Surface Mount - Leaf Hinges

integrated stud mount - plastic

S1120

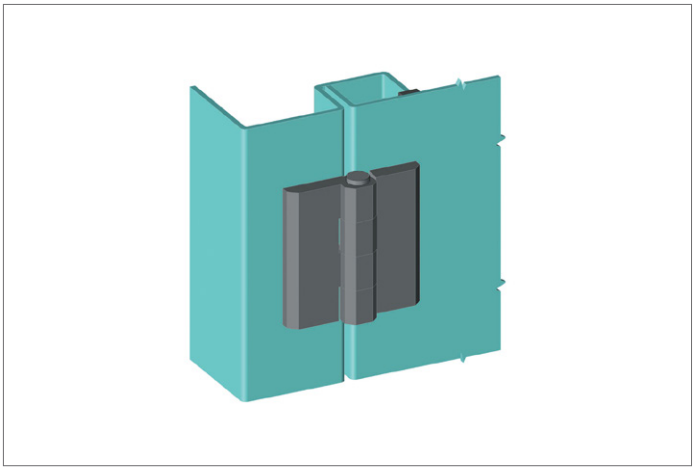


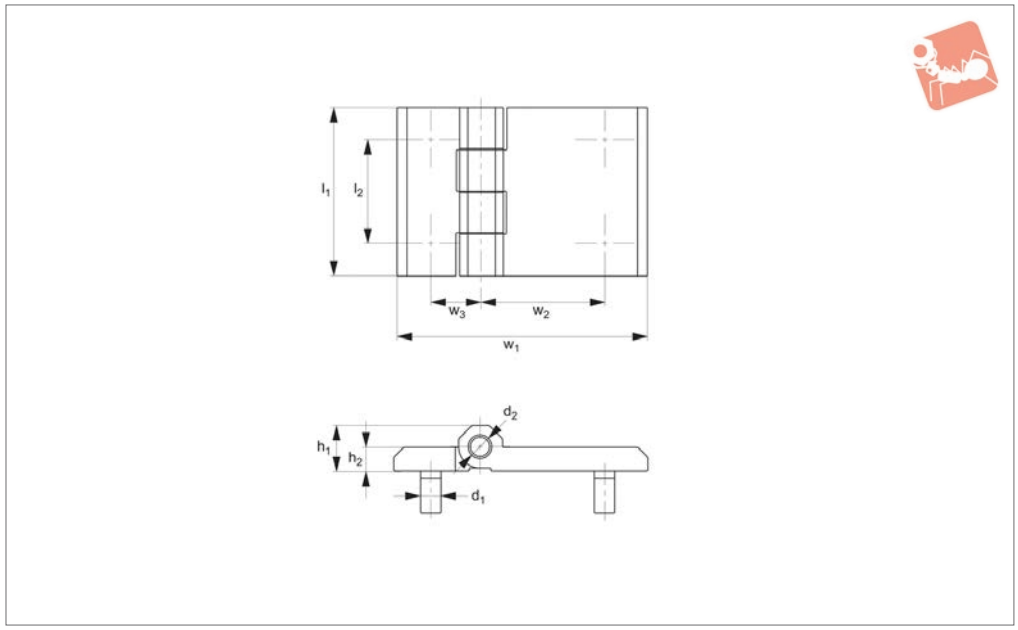
Material
Body: polyamide, DIN-EN ISO 1043-1 PA 6 GFR 30. Black.

Pin: stainless steel, AISI 304.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.
Max. opening angle 270°.

Order No.	Type	Finish	Size	Picture	e	h_1	h_2	l_1	l_2	l_3	m	w_1	w_2	w_3	d	Mounting
S1120.AW0050	Equal	Plastic	50 x 50	1	12.0	11	6	50	30	-	M 6	50	30	-	6.3	Rear - Rear
S1120.AW0040	Equal	Plastic	40 x 40	1	8.5	9	5	40	25	-	M 5	40	25	-	5.3	Rear - Rear
S1120.AW0150	Equal	Plastic	50 x 50	2	12.0	11	6	50	30	30	M 6	50	30	10	6.3	Rear - Front



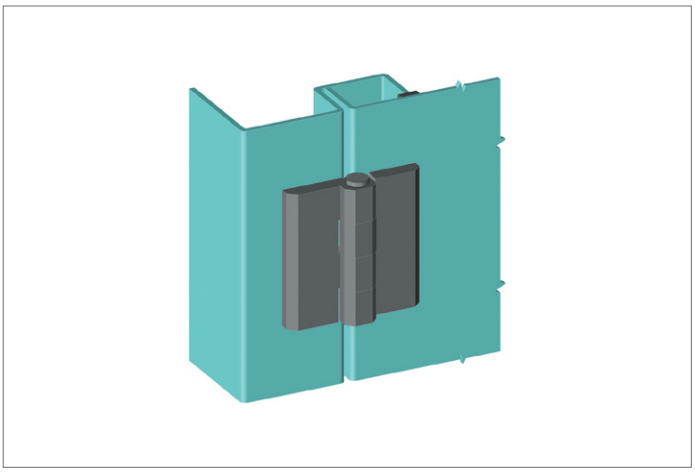


S1130

Material
Hinge: die cast zinc, black powder coated.
Pin: nickel-plated steel.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers. Opening angle 180°.

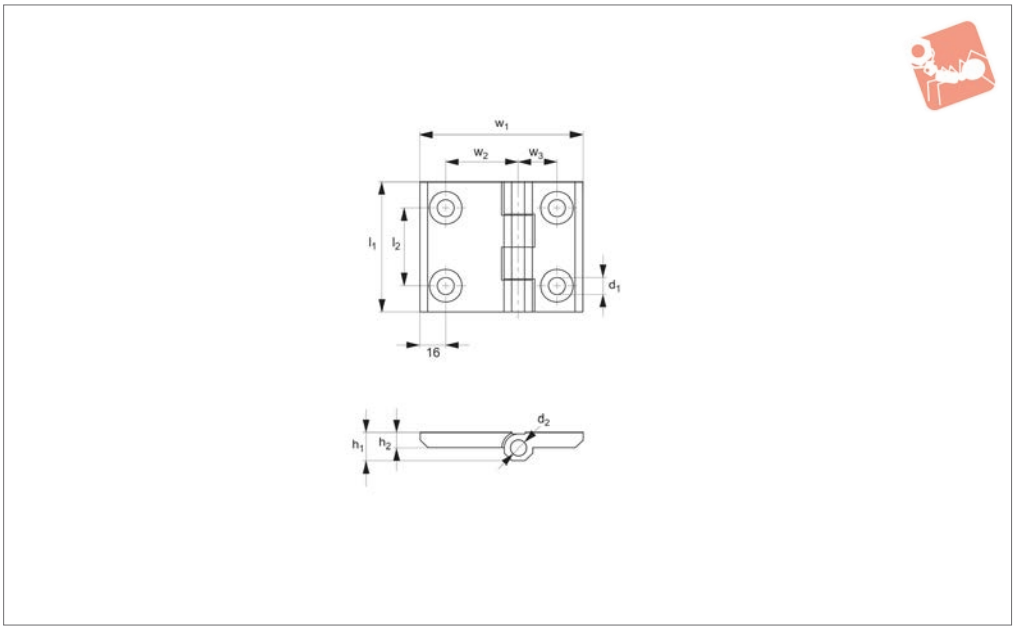
Order No.	h_1	h_2	l_1	l_2	w_1	w_2	w_3	F_x kN	F_y kN	d_1	d_2	90° Angled stress	Axial stress kN	Radial stress kN
S1130.AW0050	11.5	6	50	30	63	28	15	1.12	1.2	M6	6	1.25	1.5	3.0
S1130.AW0060	15.0	8	60	36	90	44	18	1.12	1.2	M8	8	1.5	1.5	4.5



Surface Mount - Leaf Hinges

screw mount - zinc

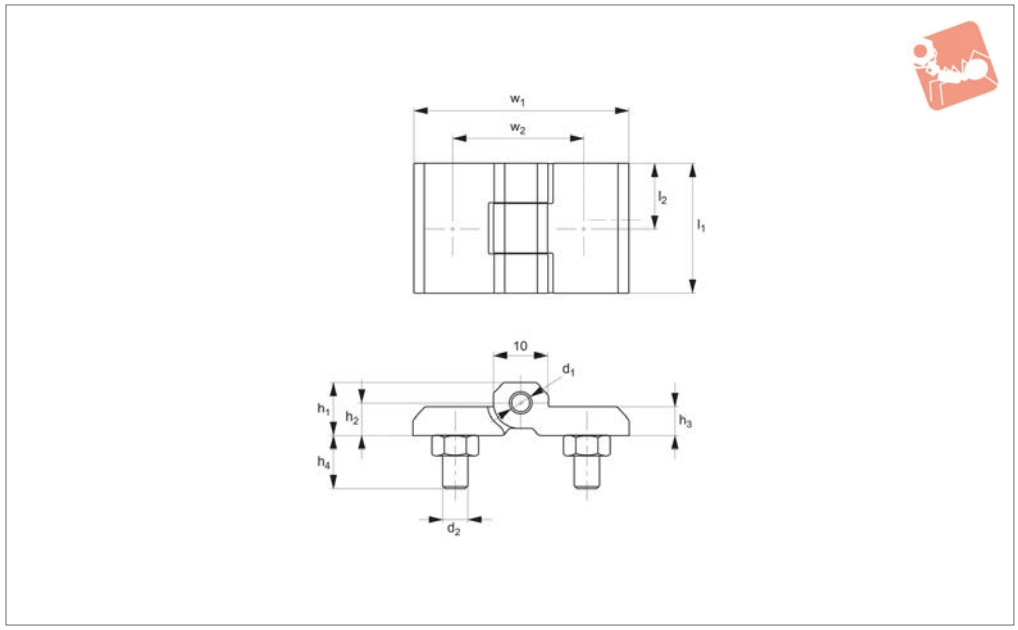
S1131



Material
Hinge: black powder, die cast zinc coated.
Pin: nickle-plated steel.

Technical Notes
Opening angle 180°.

Order No.	h_1	h_2	l_1	l_2	w_1	w_2	w_3	d_1	d_2	90° Angled stress	Axial load F_x N max.	Axial stress kN	Radial load F_x N max.	Radial stress kN
S1131.AW0060	15	8	60	36	90	44	18	8.4	8	1.5	1.2	1.5	1.12	4.5



S1133

Material
Hinge: die cast zinc, black powder coated.
Supplied with: fixing nuts.

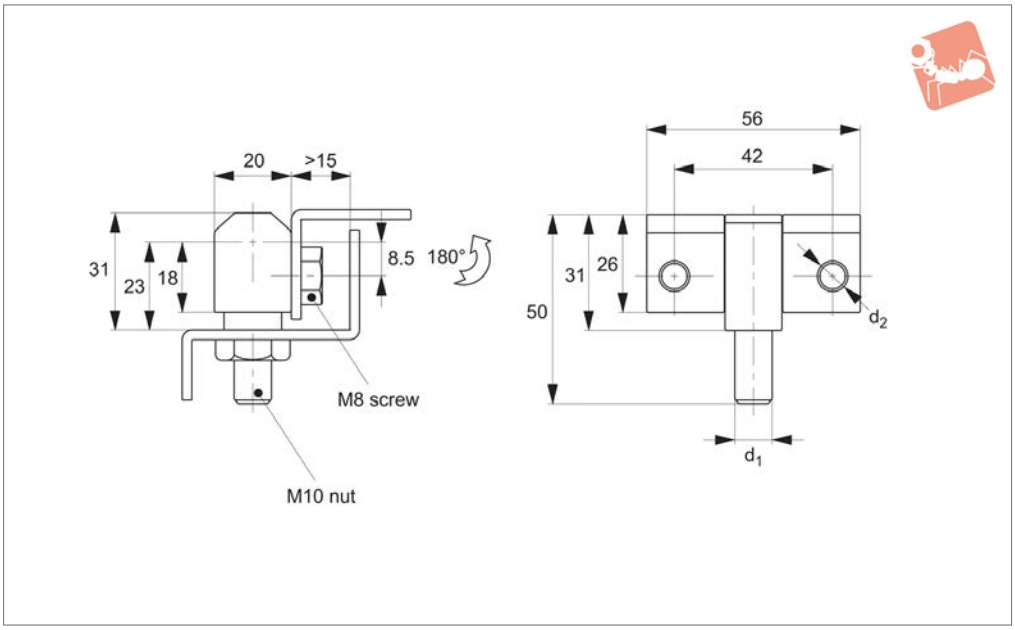
Technical Notes
Opening angle 180°.

Order No.	h_1	h_2	h_3	h_4	l_1	l_2	w_1	w_2	d_1	d_2	Axial load F_x N max.	Radial load F_x N max.
S1133.AW0010	9	5.5	5	12	24	12	40	25	4	M 5	210	520

Surface Mount - In-Line Hinges

integrated stud mount - steel

S1170

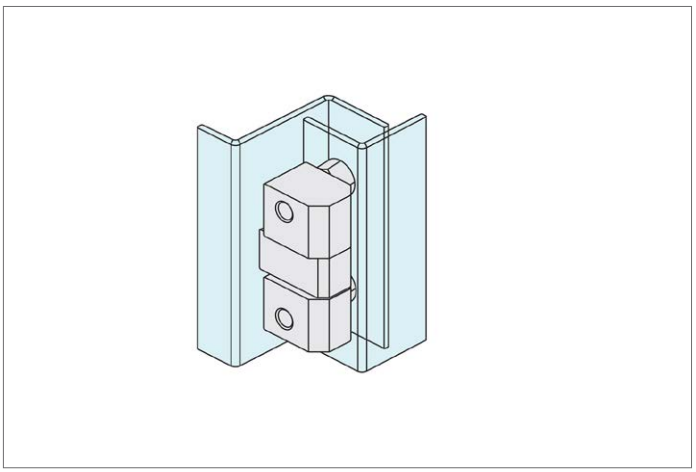


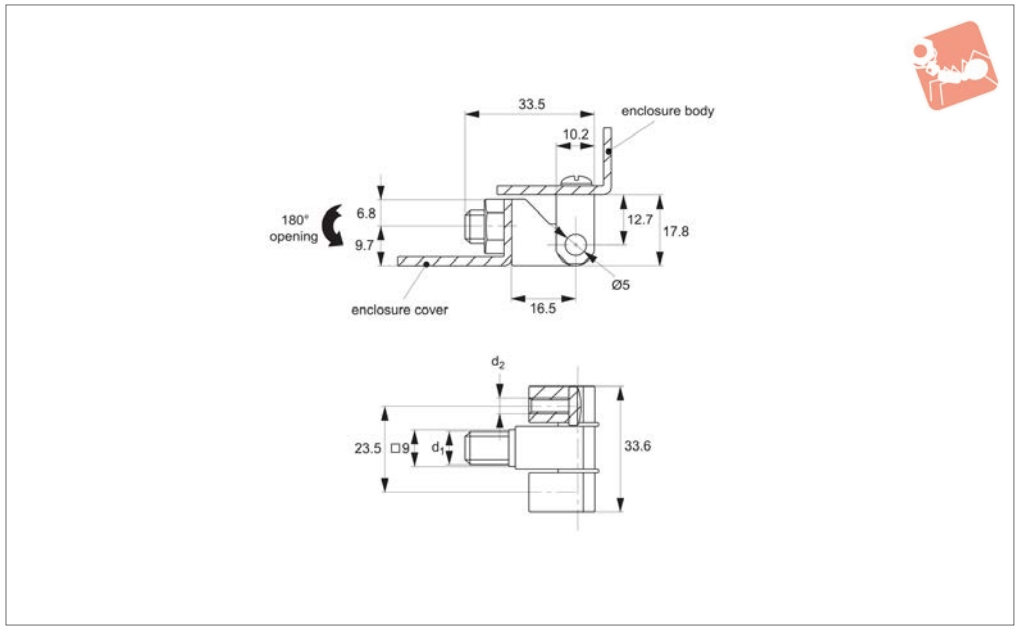
Material
Steel, bright chrome plated.

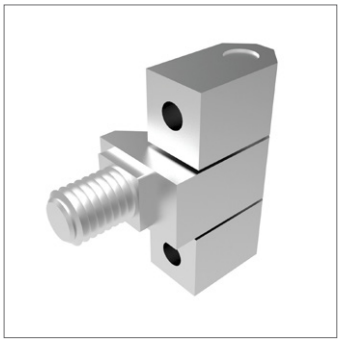
Technical Notes
Opening angle 180°. Side mounting

hinges, for electrical covers and panels.
Mounted via M8 screws (not supplied).

Order No.	Finish	F_x kN	F_y kN	d_1	d_2
S1170.AW0010	Chrome Plated	2.5	1.785	M10	M 8
S1170.AW0020	Black Coated	2.5	1.785	M10	M 8







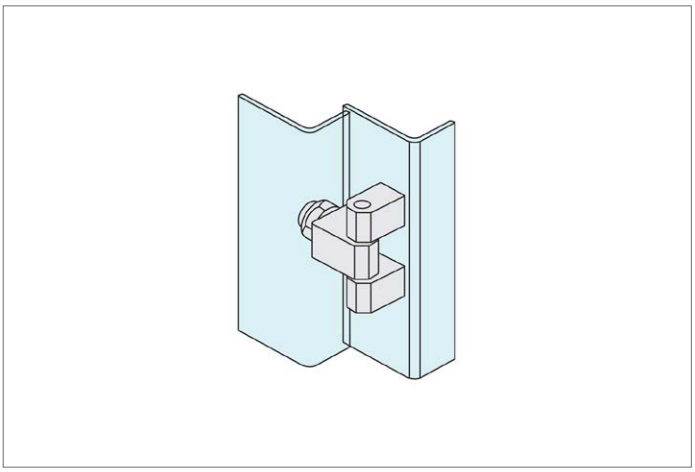
S1172

Material
Hinge: die cast zinc.
Pin: steel.

Technical Notes
For electrical panels and covers. Opening angle 180°.

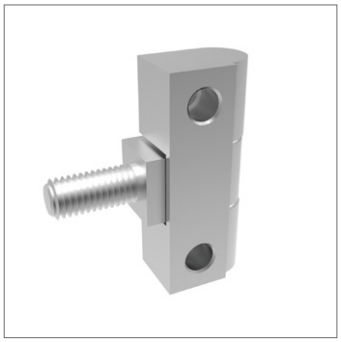
Tips
Parts supplied tightly fitted.

Order No.	Finish	Size	F_x kN	F_y kN	d_1	d_2	Opening angle °
S1172.AW0010	Chrome	33 x 21	1.2	1.0	M 8	M 4	180°
S1172.AW0020	Black Coated	33 x 21	1.2	1.0	M 8	M 4	180°

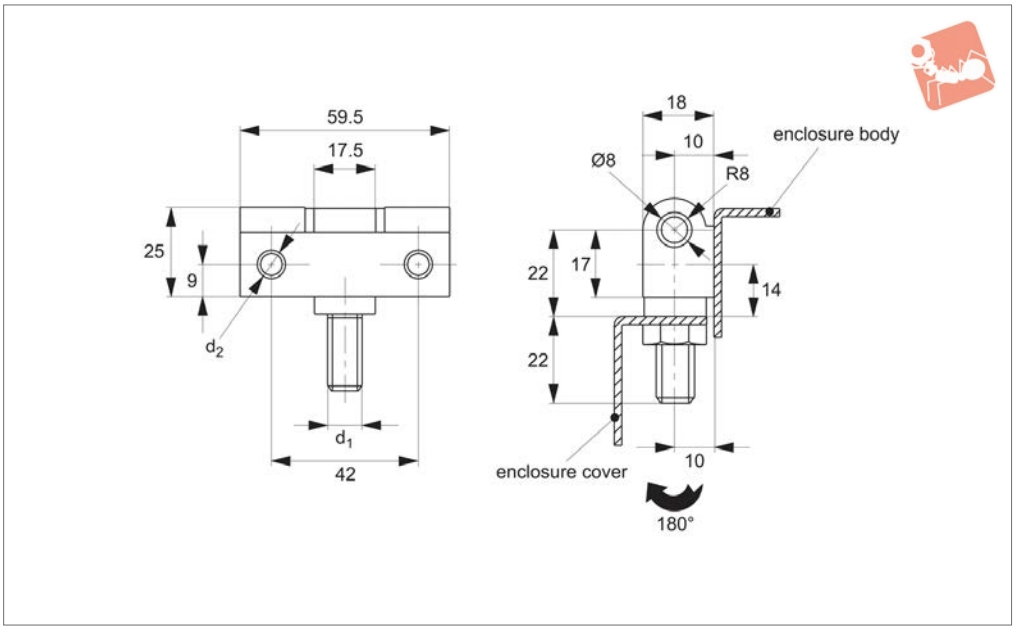


Surface Mount - In-line Hinges

integrated stud and screw mount - zinc



S1174



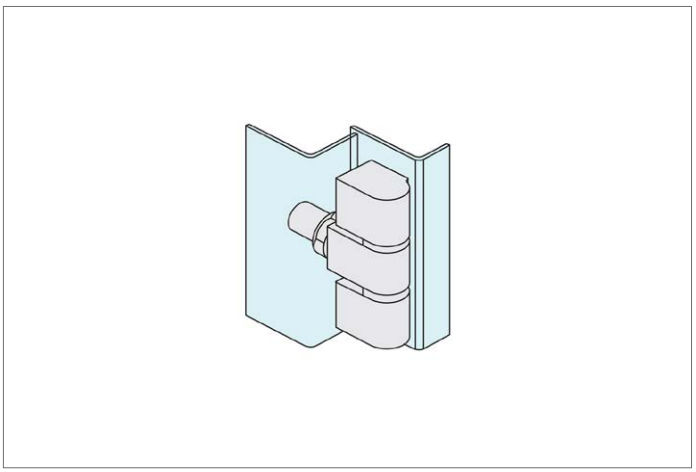
Material
Hinge: die cast zinc.

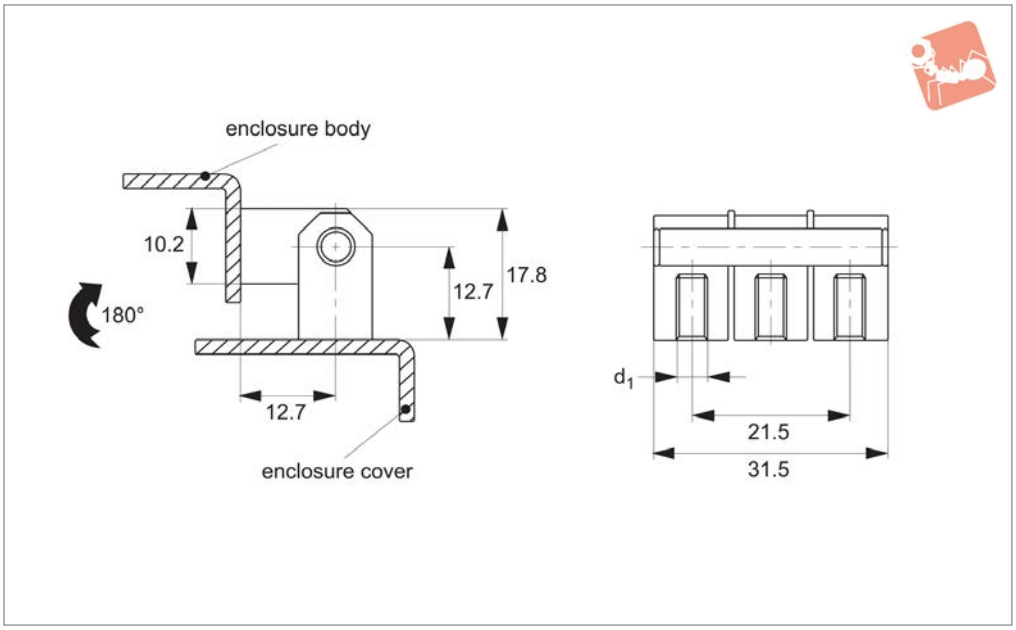
Technical Notes
For electrical panels and covers.

Max. opening angle 180°.

Tips
Parts supplied tightly fitted.

Order No.	Finish	Size	F_x kN	F_y kN	d_1	d_2	Opening angle °
S1174.AW0010	Chrome Plated	59 x 18	2.0	1.52	M10	M 8	180°
S1174.AW0020	Black Coated	59 x 18	2.0	1.52	M10	M 8	180°





S1176

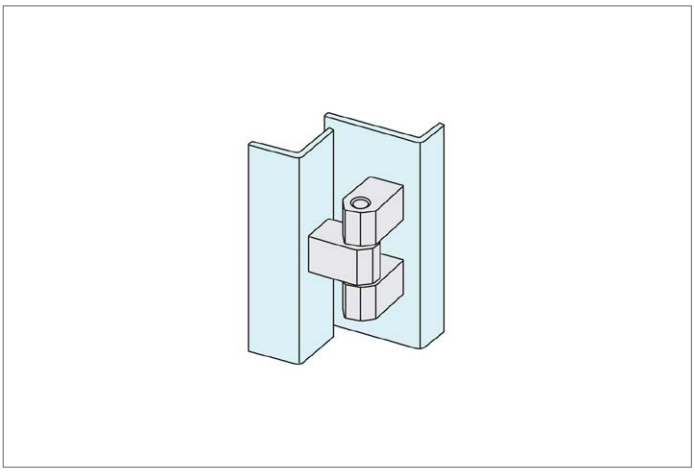
Material
Hinge: die cast zinc.
Pin: steel.

Technical Notes
For electrical panels and covers.

Max. opening angle 180°.

Tips
Parts supplied tightly fitted.

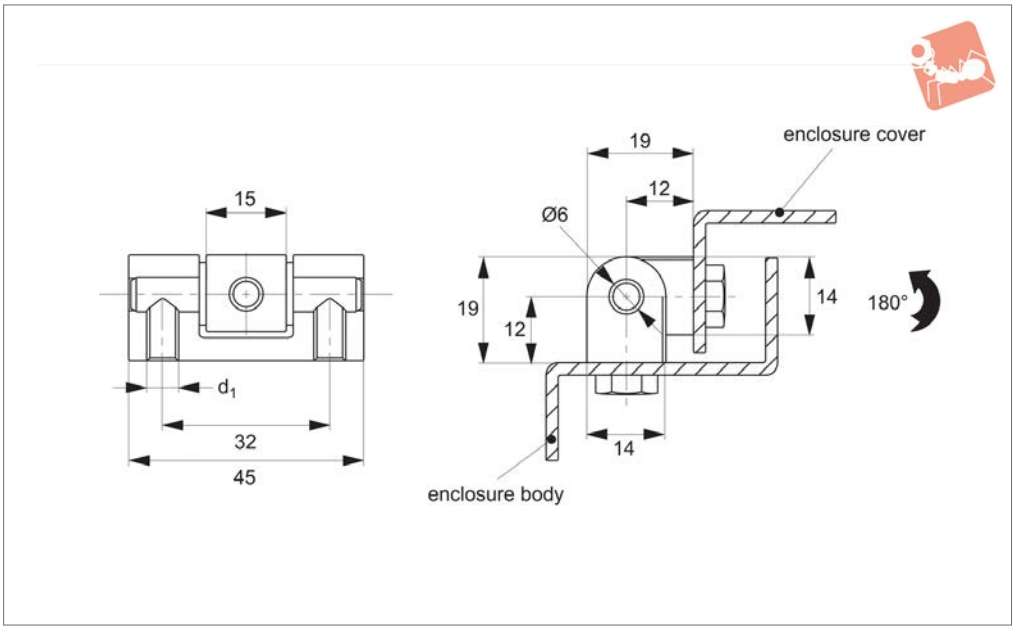
Order No.	Finish	Size	F_x kN	F_y kN	d_1	Opening angle °
S1176.AW0010	Chrome Plated	31 x 10	1.2	1.0	M 4	180°
S1176.AW0020	Black Coated	31 x 10	1.2	1.0	M 4	180°



Surface Mount - In-line Hinges

bolt-on - zinc

S1192

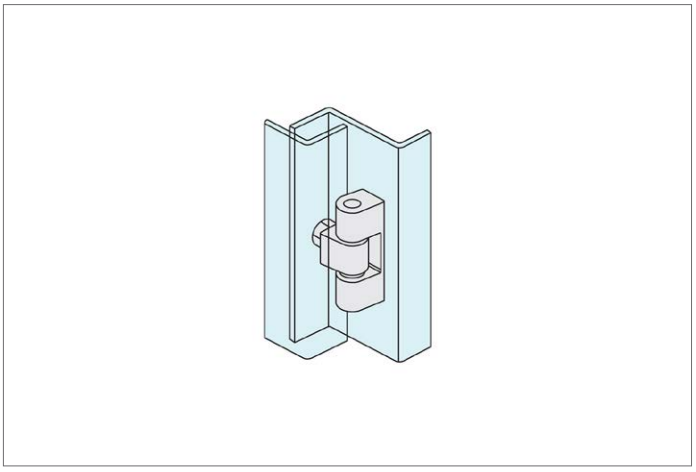


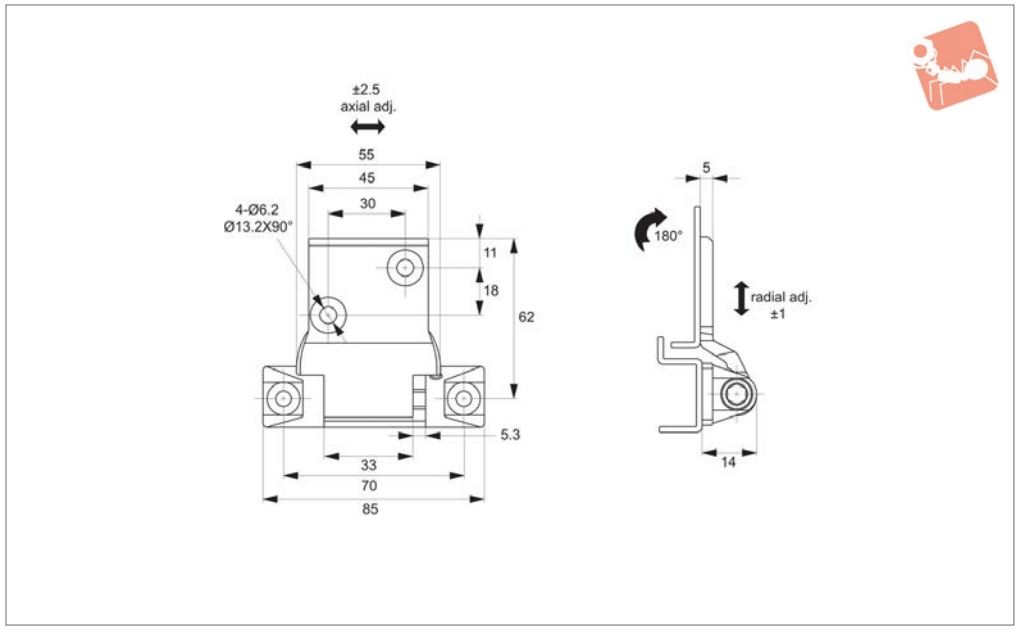
Material
Hinge: die cast zinc.
Pin: steel, nickel-plated.
Bushing: PA.
Not supplied: SCREWS.

Technical Notes
Universal left or right hand opening doors.
For external mounting on cabinets, surface mounted doors, sheet metal doors etc.
Mounting via concealed 3 x M6 screws.
Max. opening angle 180°.

Tips
Parts supplied tightly fitted.

Order No.	Finish	Size	F_x kN	F_y kN	d_1	Opening angle °
S1192.AW0010	Chrome	45 x 14	1.675	2.0	M 6	180°
S1192.AW0020	Black Coated	45 x 14	1.675	2.0	M 6	180°





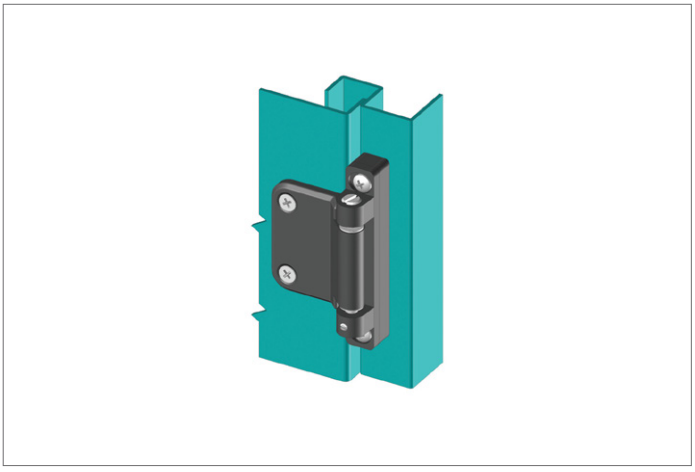
S1806

Material
Die cast zinc, black powder coated .
Shaft: stainless steel AISI 304.
Bearing: delrin plastic.

Technical Notes
Ideal for heating and ventilation applications, for use on flat panels and covers.
Increase off-set via use of additional spacers, for your own design (not supplied).
Mounting via M5 screws.
Max. opening angle 180°.

Tips
Maximum 5.3mm axial adjustment.

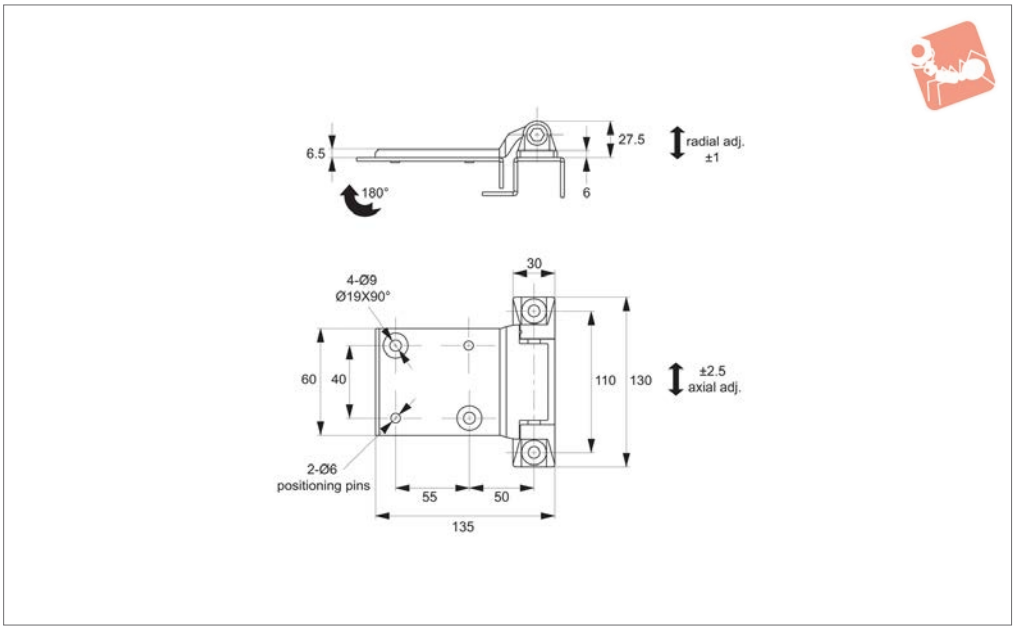
Order No.	Type	Finish	Size	F_x kN	F_y kN	Opening angle °
S1806.AW0010	Left Hand	Black coated	85 x 77	1.5	1.3	180°
S1806.AW0020	Right Hand	Black coated	85 x 77	1.5	1.3	180°



Surface Mount - HVAC Applications

axial adjustment - screw mount - zinc

S1823

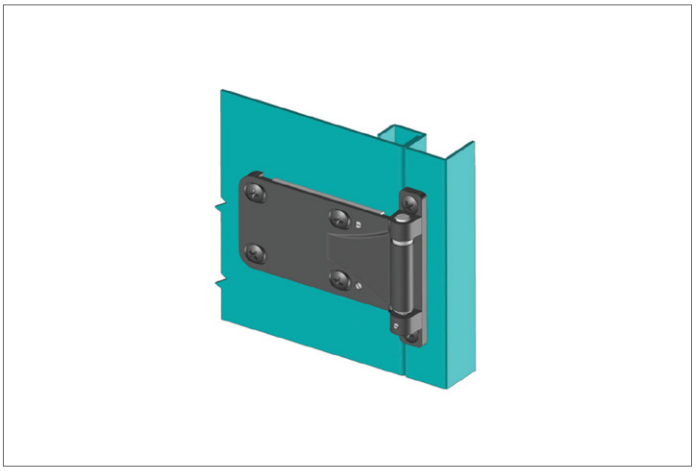


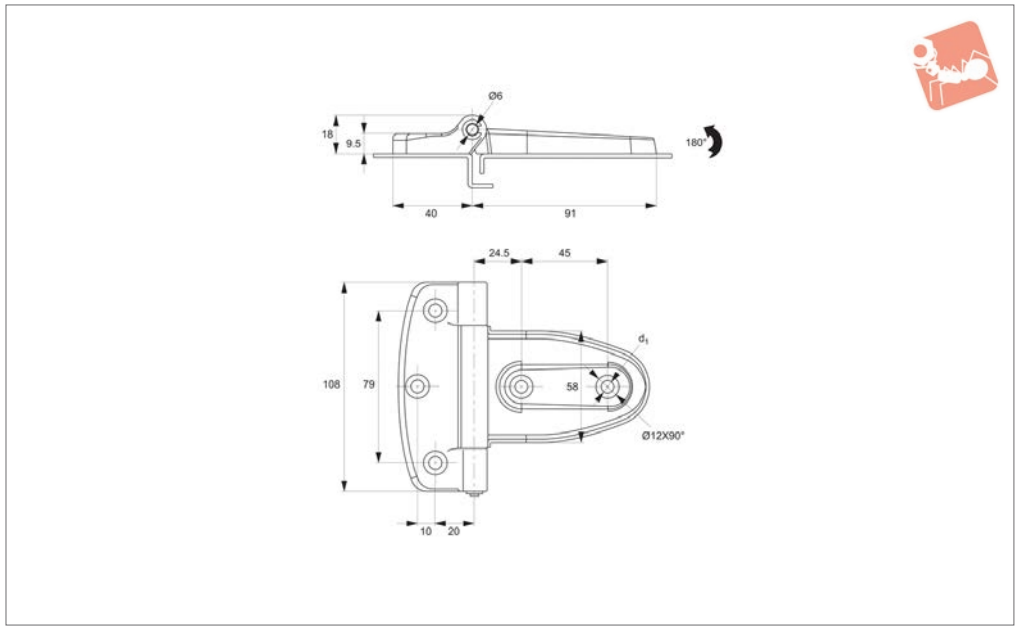
Material
Die cast zinc, pocked black powder coated.
Shaft: stainless steel AISI 304.

Technical Notes
Ideal for heating and ventilation applications, for use on flat panels and covers.
Mounting via M8 screws.
Max. opening angle 180°.

Tips
Adjustments of hinge by ± 2,5mm axial and ± 1mm radial is possible.

Order No.	Type	Finish	Size	F_x kN	F_y kN	Opening angle °
S1823.AW0010	Left Hand	Black Coated	130 x 135	1.8	1.5	180°
S1823.AW0020	Right Hand	Black Coated	130 x 135	1.8	1.5	180°





S1826

Material
Hinge: polyamide (PA), black.
Pin: stainless steel AISI 304, nickel plated.

Technical Notes
Opening angle 180°. Ideal for heating and ventilation applications, for use on flat panels and covers.

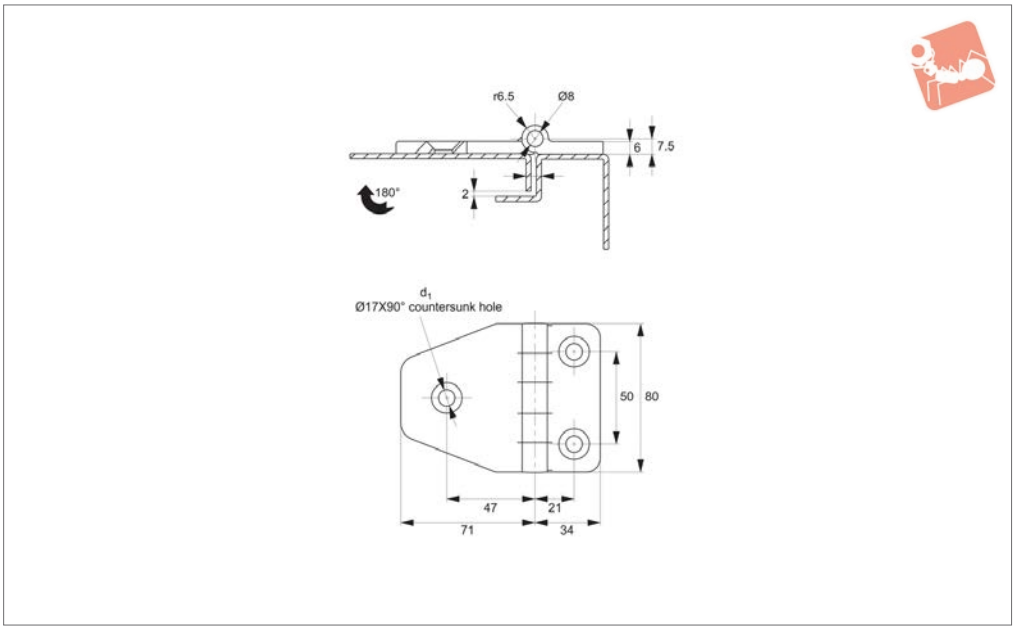
Mounting via M6 screws.

Order No.	Finish	Size	F_x N	F_y N	d_1	Opening angle °
S1826.AW0010	Black Polyamide	108 x130	800	600	6.5	180°

Surface Mount - HVAC Applications

screw mount - polyamide

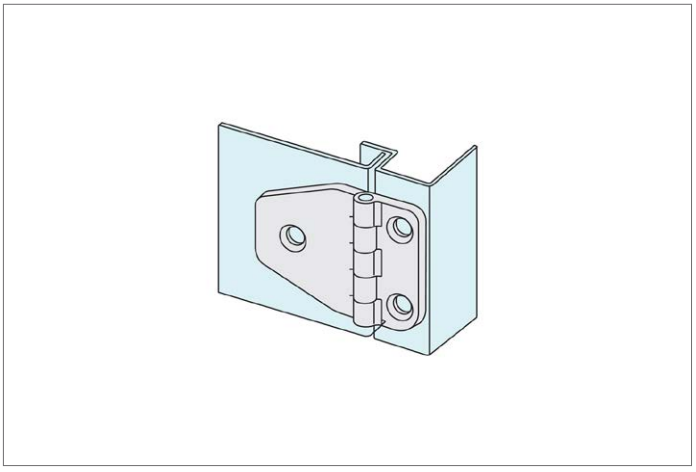
S1828



Material
Polyamide plastic (PA), black.
Pin: steel, zinc plated.

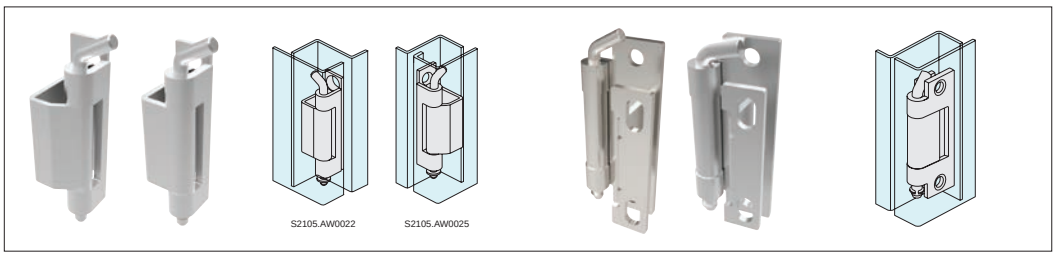
Technical Notes
Opening angle 180°. Ideal for heating and ventilation apps, for use on flat panels and covers. Mounting via M8 screws (not supplied).

Order No.	Finish	Size	F_x N	F_y N	d_1	Opening angle °
S1828.AW0080	Black plastic	80 x 105	800	600	9	180°

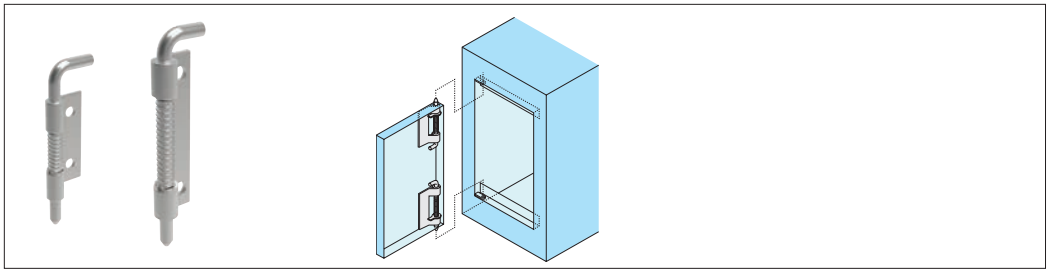


Concealed hinges

For added security or a sleek enclosure design, concealed hinges offer the solution with mounting discreetly hidden away from view to avoid tampering.



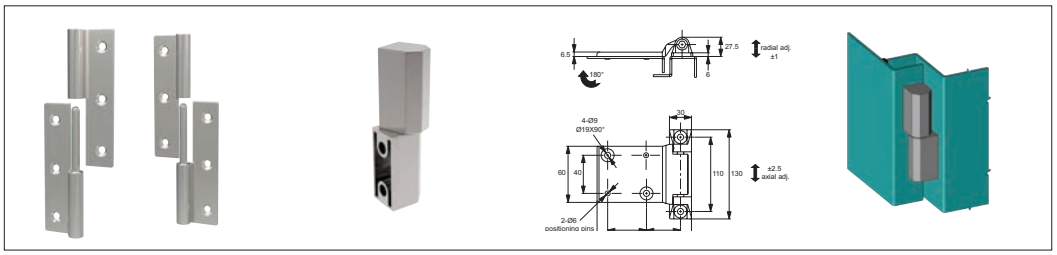
Concealed pivot hinges



End mount concealed pivot hinges

Door removal hinges

Door removal or lift-off hinges simplify removal of covers and panels to ease access for maintenance and repair, available in a selection of materials.

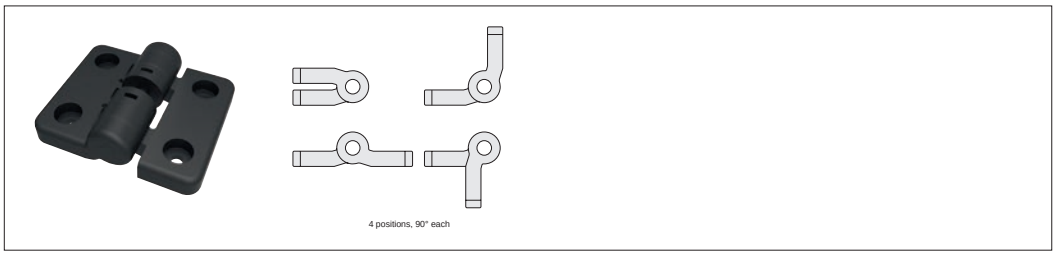


Lift off hinges

Torque and positioning hinges

Torque and positioning hinges offer positive location of panels, screens and displays using constant friction for a firm hold.

Constant torque hinges



Detent positioning hinges

Left or right type: Which do you need?

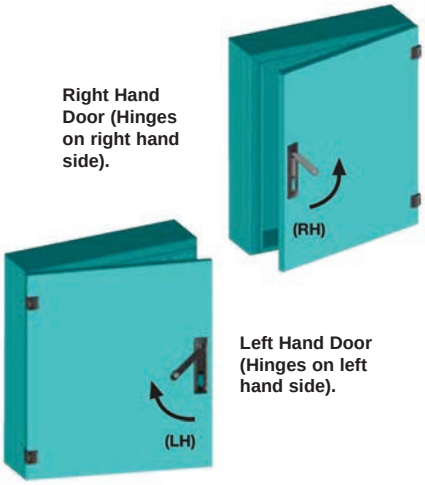
Wixroyd have a diverse range of hinges to suit most industrial applications in a wide range of materials and finishes.

Throughout our catalogue we refer to parts as being of a “Left” or “Right” type or hand. Which type you need, is most easily explained as follows;

Orientate your application so that when opened the door/panel comes towards you. With this orientation in mind, look to see on which side of the door/panel the hinges are mounted?

If the hinges are on the left side of the door/panel then you require “Left” type products. If the hinges are on the right side of the door/panel then you require “Right” type products.

The illustration on the right clearly indicates the layout and orientation of the door where a “left” or “right” product is used.



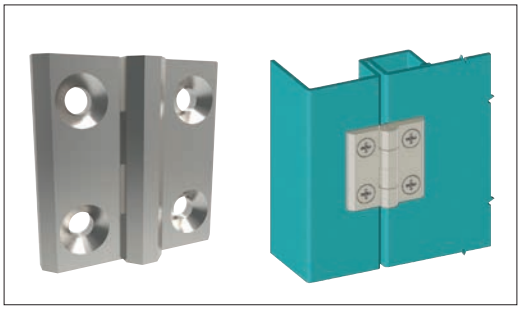
Right Hand Door (Hinges on right hand side).

Left Hand Door (Hinges on left hand side).

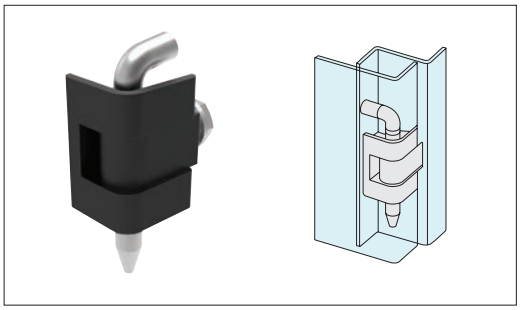
Hinges

External hinges

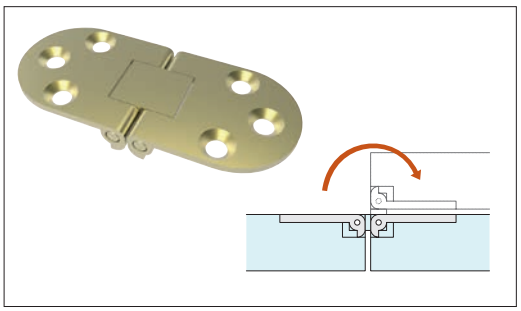
External or surface mount hinges have a wide range of application on electrical panels, sheet metal enclosures, generators and heating and venting applications.



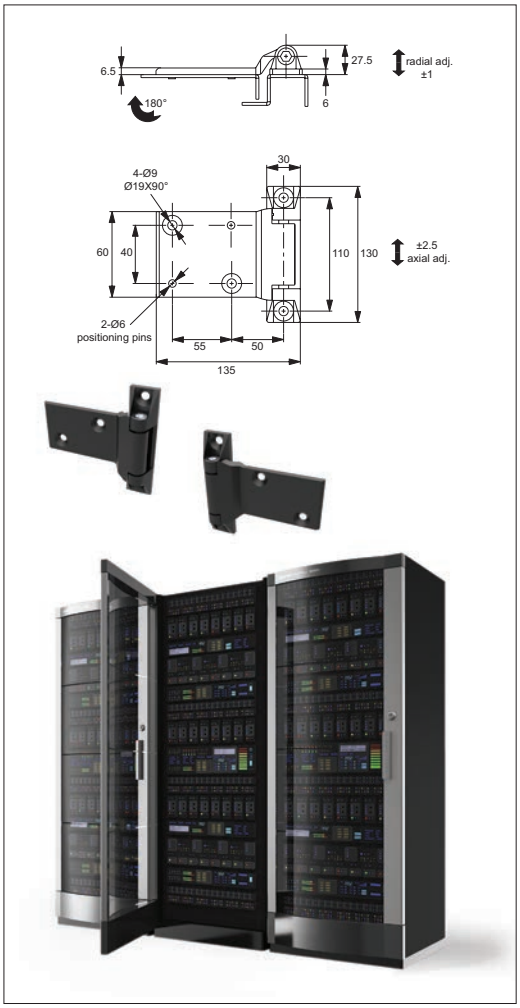
Surface mount hinges



Corner hinges



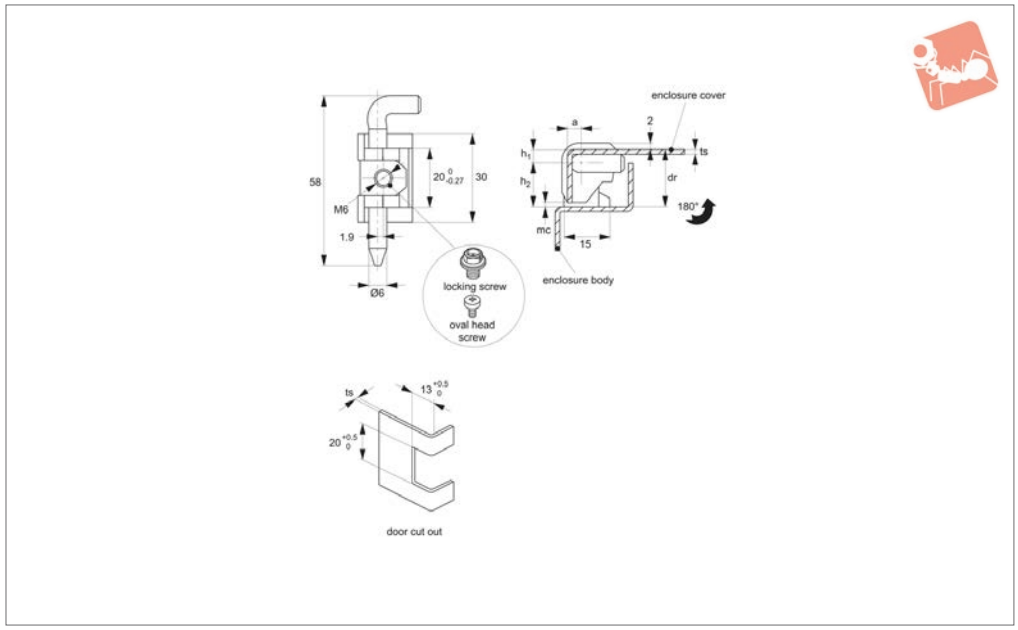
Flush mount hinges

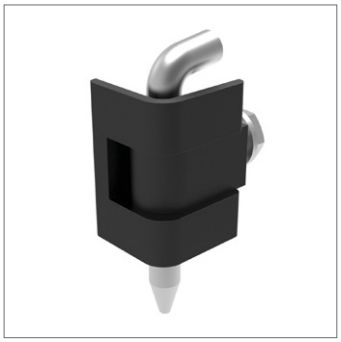


Surface mount hinges

Corner Hinge - 19-24mm Door Return

cut out and locking screw - zinc





S1901

Material

Hinge: die cast zinc, black powder coated.
Pin: steel, nickel plated.

Technical Notes

Opening angle 180°. For sheet metal and machine enclosures with 19-24mm door return and panel thickness 1,5 to 2,0mm. See installation cut out for details.

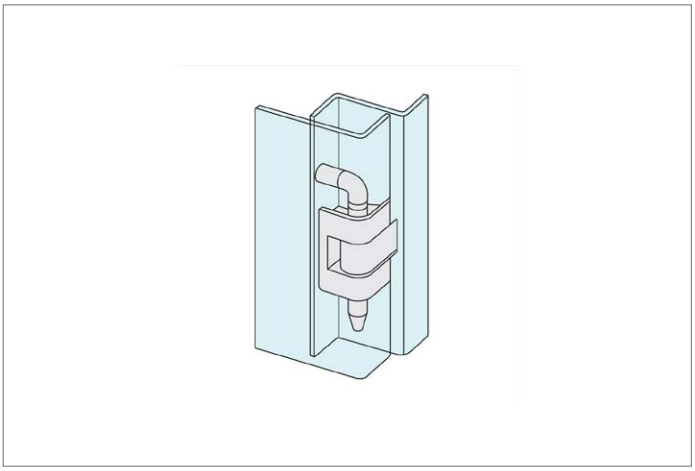
Tips

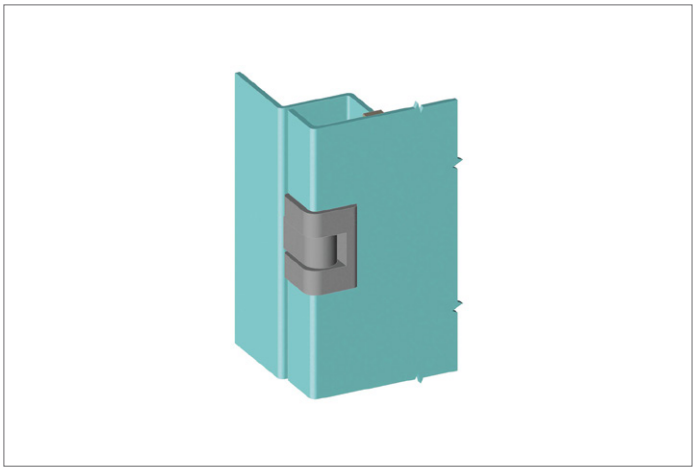
Mounting via M6 locking screw locking screw (not supplied).

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

Order No.	Finish	Door return	h_1	h_2	F_x N	F_y N	mc min.	ts panel thickness
S1901.AW0015	Black Coated	19.6	4.6	15	940	720	2	1.5
S1901.AW0017	Black Coated	21.6	4.6	17	940	720	2	1.5
S1901.AW0019	Black Coated	23.6	4.6	19	940	720	2	1.5
S1901.AW0025	Black Coated	21.1	5.1	15	425	225	2	2.0
S1901.AW0027	Black Coated	22.1	5.1	17	425	225	2	2.0
S1901.AW0029	Black Coated	24.1	5.1	19	425	225	2	2.0
S1901.AW0999	Oval Head Screw	-	-	-	-	-	-	-

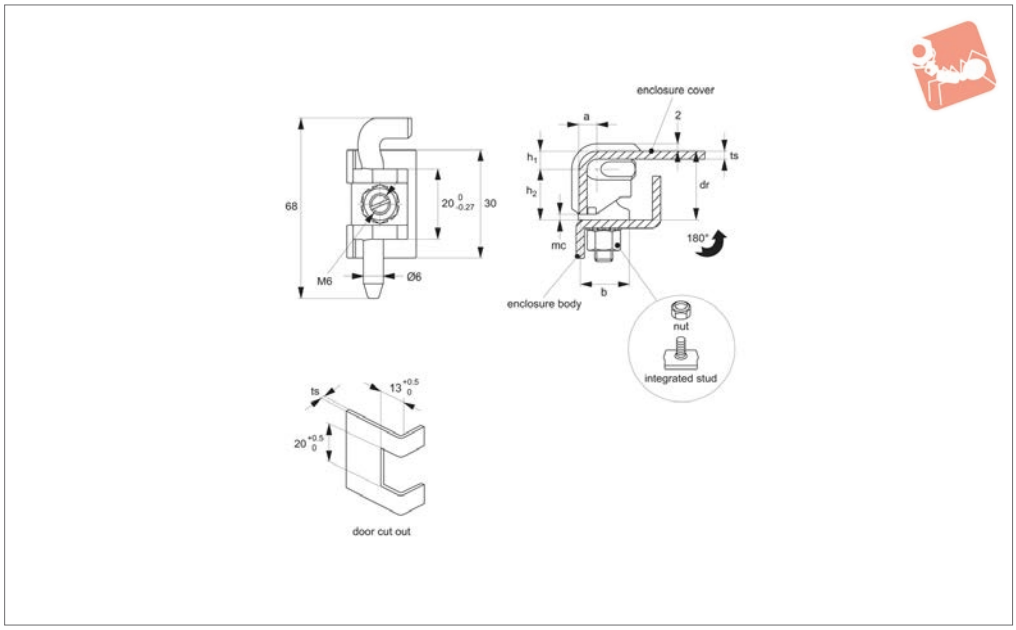




Corner Hinge 19 - 21mm Door Return

cut out and integrated stud - stainless steel

S1903



Material

Hinge: stainless steel AISI 304, wire-drawing polishing.

Technical Notes

For sheet metal and machine enclosures with a 19 to 21mm door return, up to 2mm thick. For installation dimension see cut out detail.
Universal left or right hand opening doors.
Max. opening angle 180°.

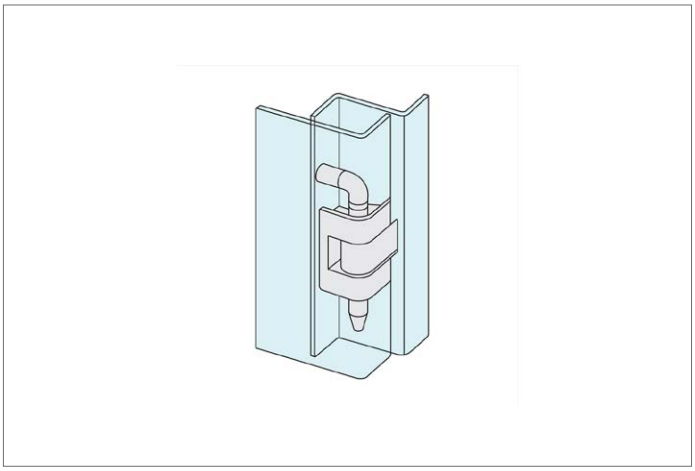
Tips

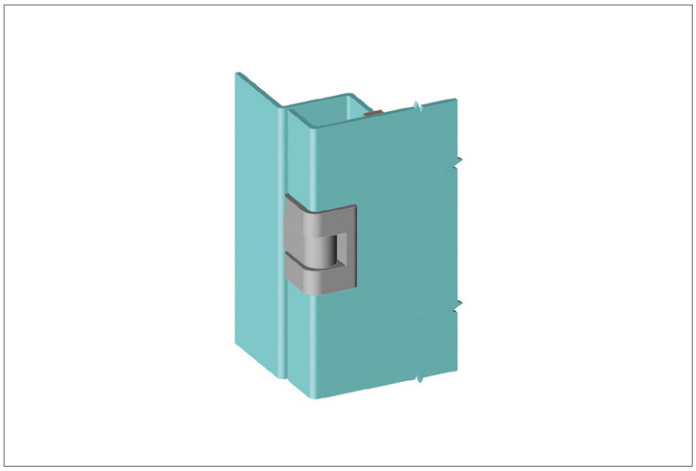
Use M6 nut on intergrated stud to secure (not supplied).

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

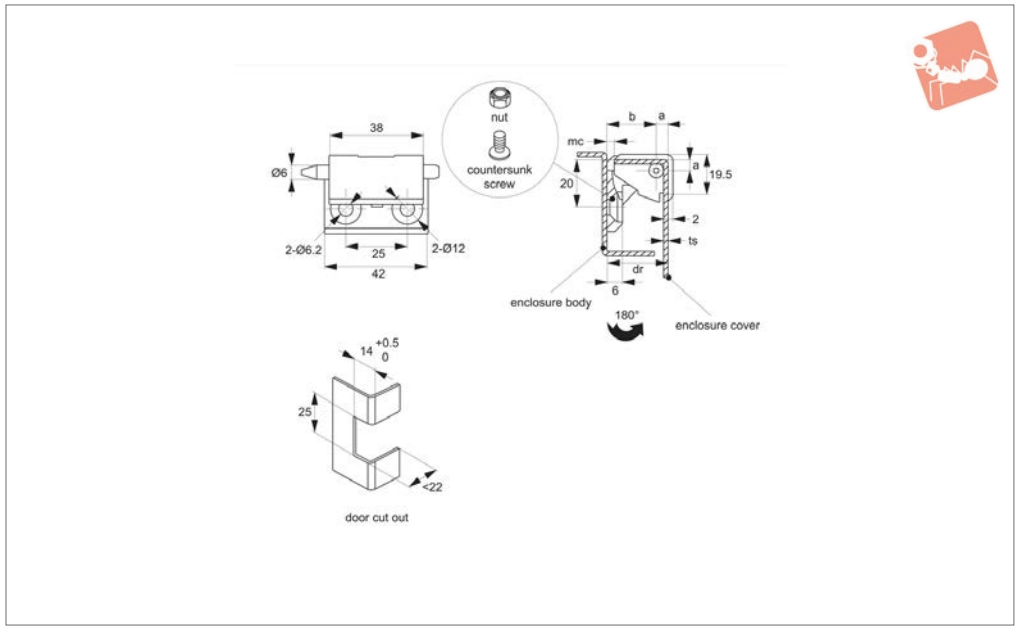
Order No.	Finish	Door return	h_1	h_2	F_x kN	F_y kN	mc min.	ts panel thickness
S1903.AW0015	Stainless	19.6	4.6	15	900	700	2	1.5





Corner Hinge - 24 to 26mm Door

cut out and counter sunk screw - zinc



S1911

Material

Hinge: die cast zinc, black powder coated.
Pin: steel, nickel-plated.

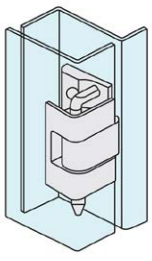
Technical Notes

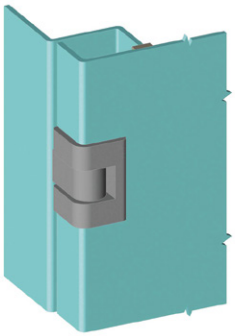
For sheet metal and machine enclosures with a 24 to 26mm door return up to 3mm thick. For installation dimension see cut out detail.
Mounting via M6 screws.
Universal left or right hand opening doors.
Max. opening angle 180°.

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

Order No.	Finish	Door return	a	b	F_x N	F_y N	mc min.	ts panel thickness
S1911.AW0001	Black coated	24.1	4.6	20	1050	980	3	1.5
S1911.AW0002	Black coated	25.1	5.1	20	1050	980	3	2.0
S1911.AW0003	Black coated	26.1	6.1	20	1050	980	3	3.0

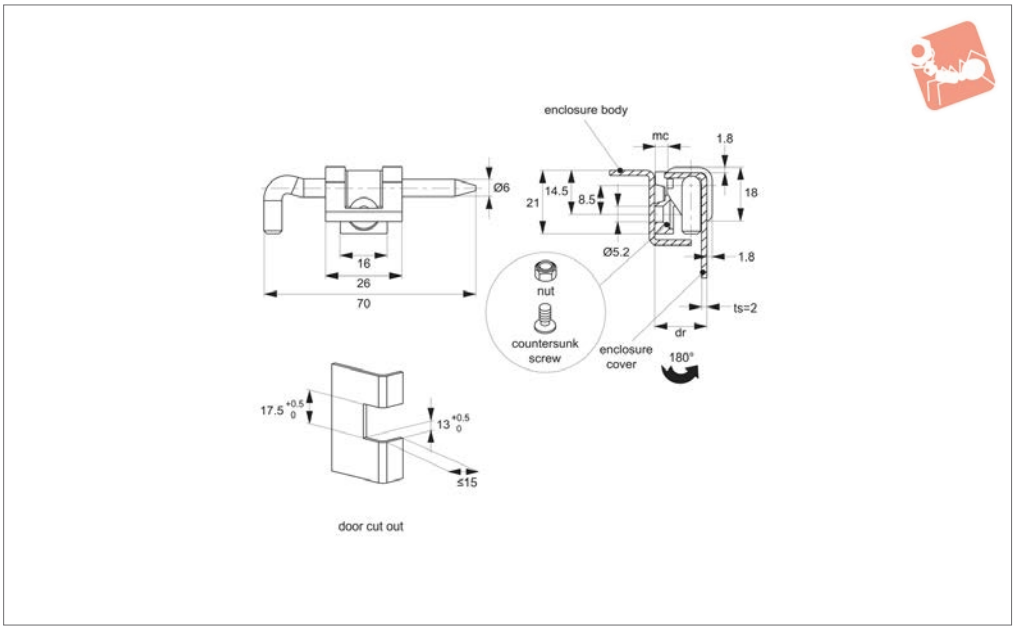




Corner Hinge - 17mm Door Return

cut out and countersunk screw - zinc

S1921



Material

Hinge: die cast zinc, black powder coated.
Pin: stainless steel AISI 304.

Technical Notes

For sheet metal and machine enclosures with a 17mm door return, upto 2mm thick.
For installation dimension see cut out detail.
Universal left or right hand opening doors.
Max. opening angle 180°.

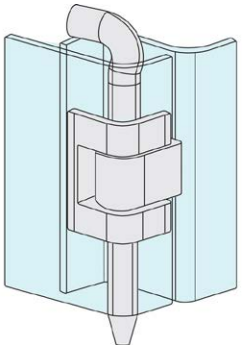
Tips

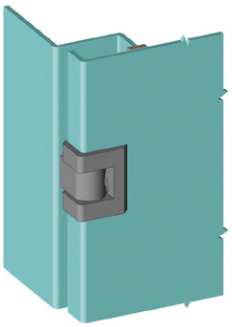
Mounting via M5 countersunk screws (not supplied).

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

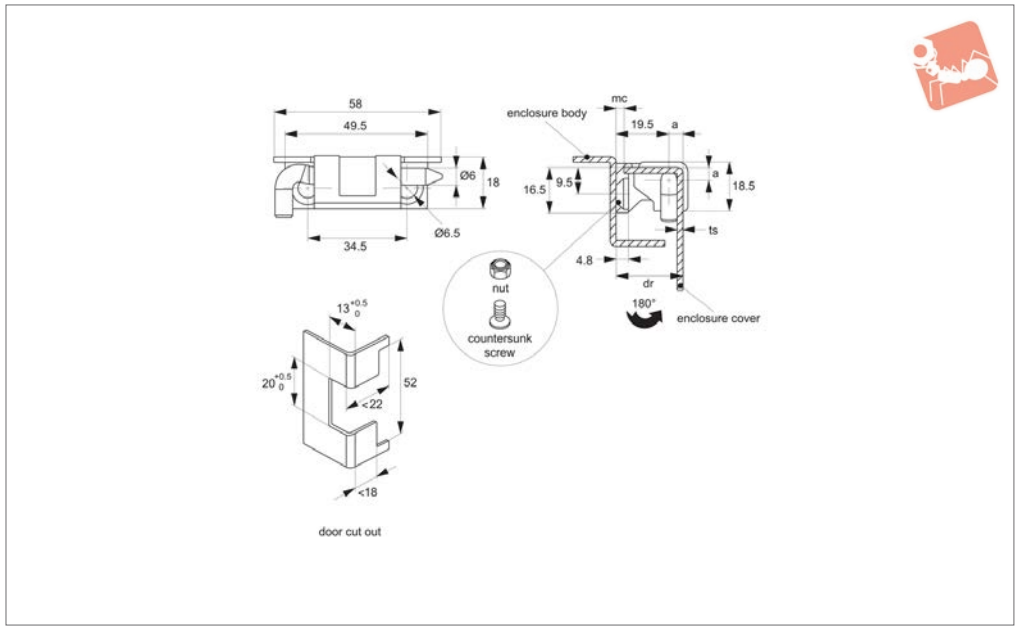
Order No.	Finish	Door return	F_x N	F_y N	mc min.	ts panel thickness
S1921.AW0010	Black coated	17	405	805	2	2.0

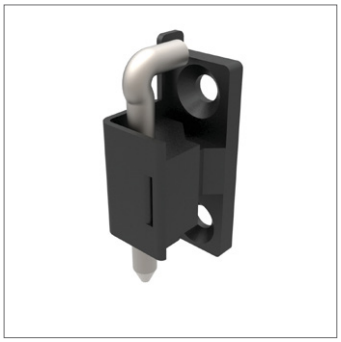




Corner Hinge - 24mm Door Return

cut out and countersunk screw - zinc





S1926

Material

Hinge: die cast zinc, black powder coated.
Pin: steel, nickel-plated.

Technical Notes

For sheet metal and machine enclosures with a 24mm frame off-set, upto 2mm thick. For installation dimension see cut out detail.
Universal left or right hand opening doors.
Max. opening angle 180°.

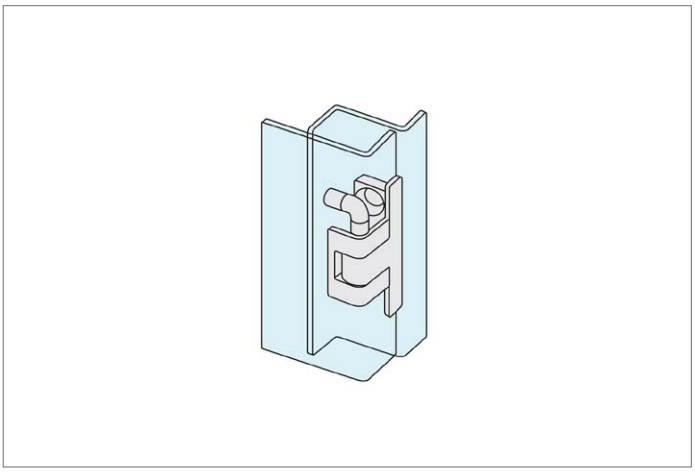
Tips

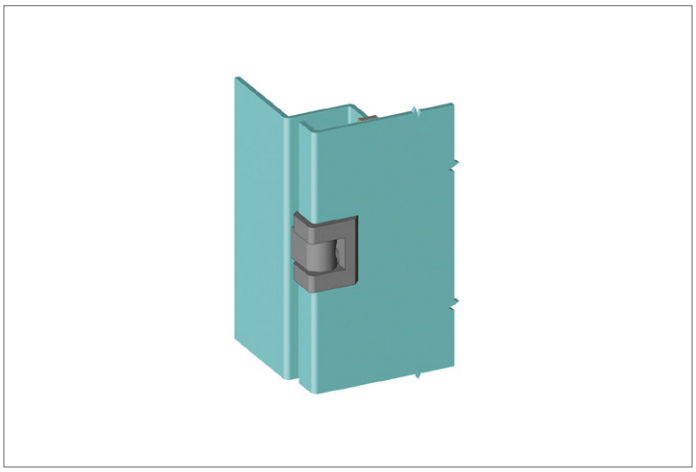
Mounting via M6 countersunk screws (not supplied).

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

Order No.	Finish	Door return	a	b	F_x kN	F_y kN	mc min.	ts panel thickness
S1926.AW0001	Black Coated	24.1	4.6	19.5	1.5	1.8	2.0	1.5
S1926.AW0002	Black Coated	24.6	5.1	19.5	1.5	1.8	2.0	2.0

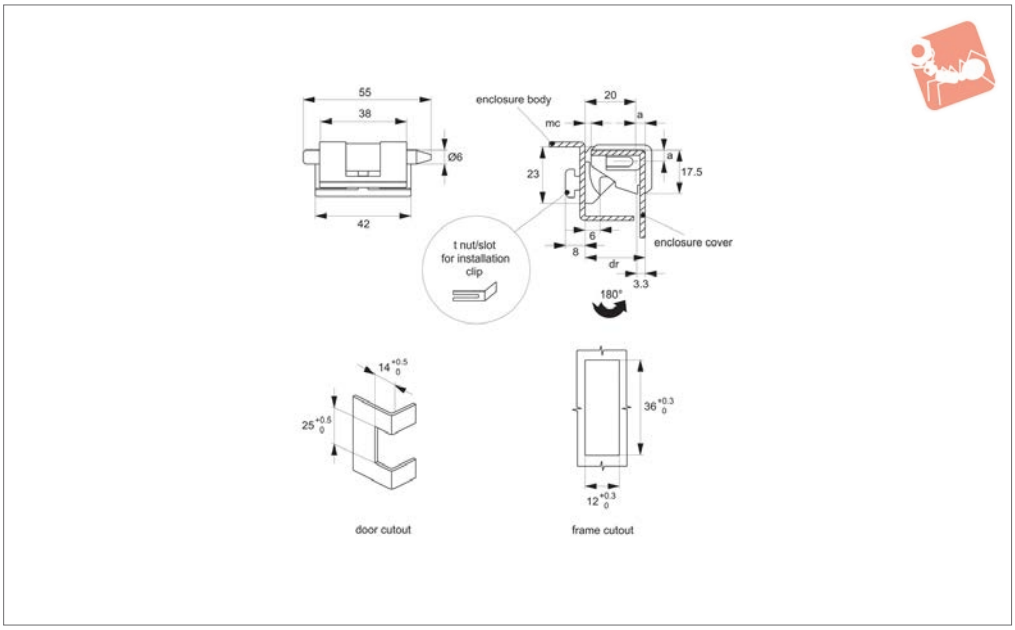




Corner Hinge 24 - 26mm Door Return

cut out and clip fix - zinc

S1928



Material

Hinge: die cast zinc, black powder coated.
Pin: steel, nickel-plated.

Technical Notes

Opening angle 180°.

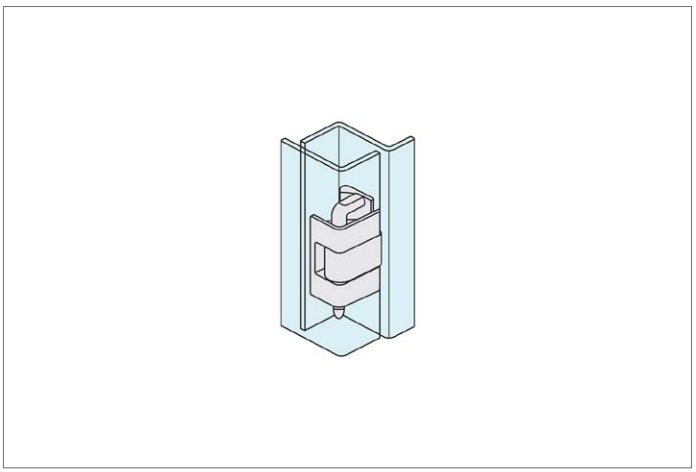
Tips

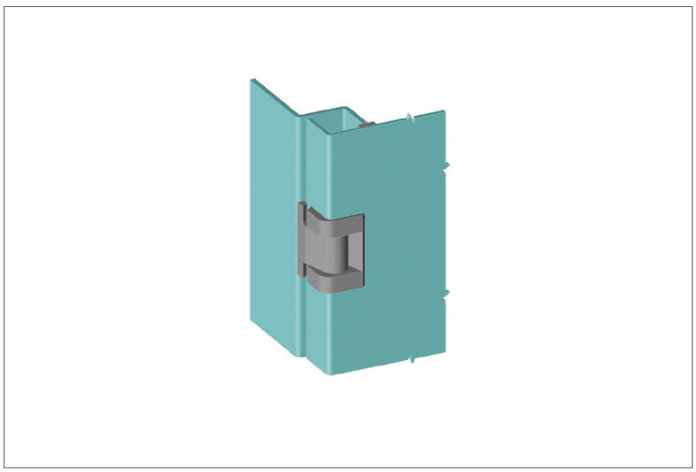
Mounting via use of installation clip and „t-nut" slot on hinge body. Requires additional cutout in frame (see technical drawing).

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

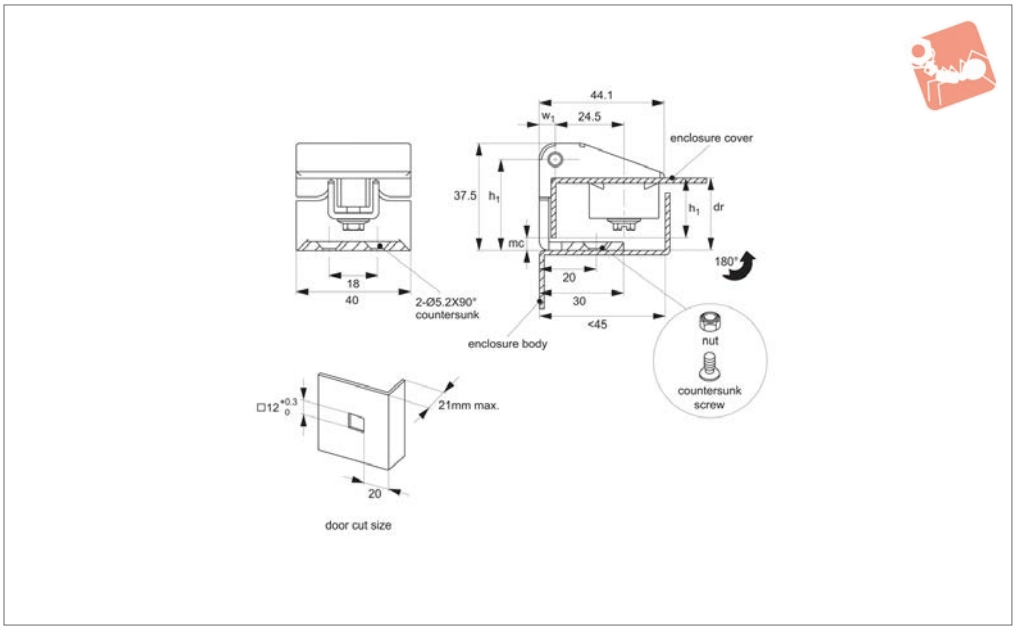
Order No.	Finish	Door return	a	b	F_x N	F_y N	mc min.	ts panel thickness
S1928.AW0001	Black Coated	24.6	4.6	20	1050	980	3	1.5
S1928.AW0002	Black Coated	25.1	5.1	20	1050	980	3	2.0
S1928.AW0003	Black Coated	26.1	6.1	20	1050	980	3	3.0





Corner Hinge 25,5mm Door Return

cut out and countersunk screw - zinc



S1941

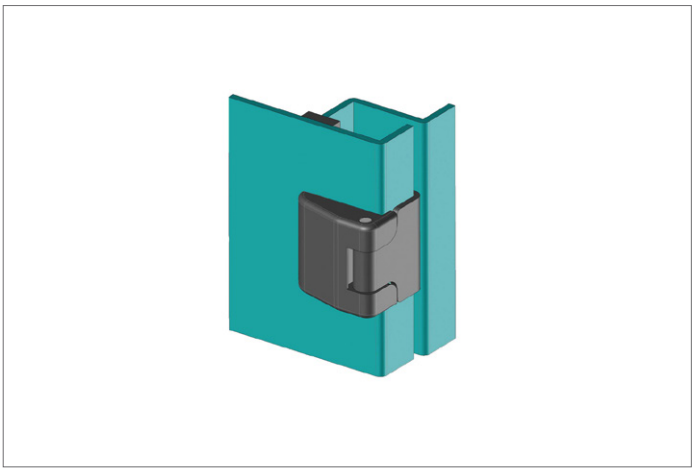
Material
Door-part: die cast zinc, black coated.
Frame-part and pin: steel, black coated.

Technical Notes
For sheet metal and machine enclosures with a 25,5mm door return, up to 2mm thick. For installation dimension see cut. Universal left or right hand opening doors. Max. opening angle 180°.

Tips
Mounting via M5 countersunk screws (not supplied), and support bracket (supplied)

Important Notes
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

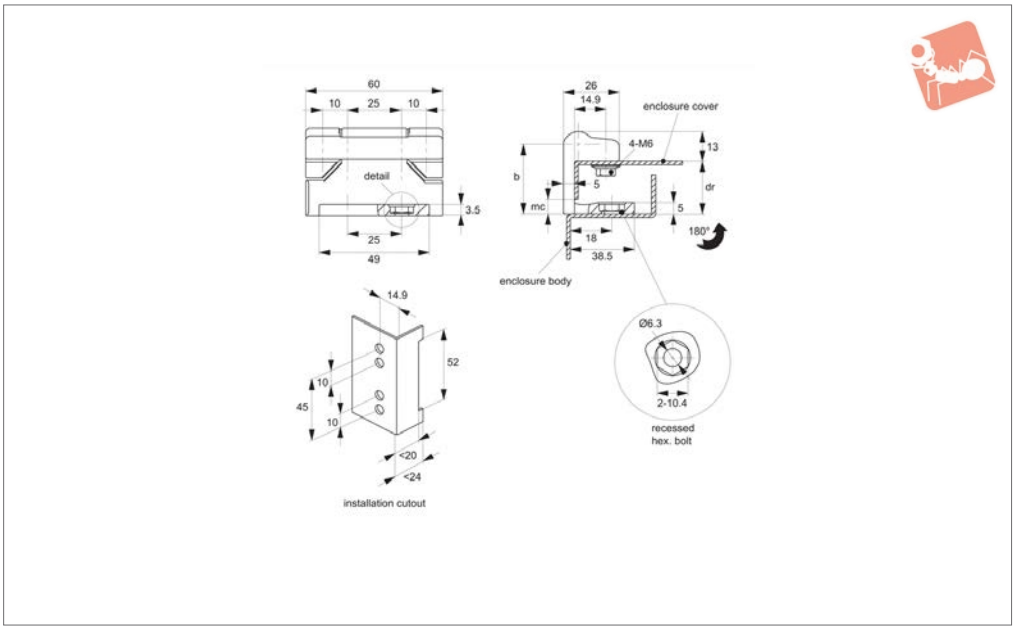
Order No.	Finish	Door return	h_1	w_1	F_x N	F_y N	mc min.	ts panel thickness
S1941.AW0010	Black Coated	25.5	32	5.6	300	250	4	2



Corner Hinge - 25mm Door Return

Locking nut and recessed hexagon - zinc

S1942



Material

Hinge: die cast zinc, black powder coated.
Pin: steel, black-plated.
Bearing washer: brass.

Technical Notes

For sheet metal and machine enclosures with a 25,5mm door return, up to 2mm thick. For installation dimension see cut.
Universal left or right hand opening doors.
Max. opening angle 180°.

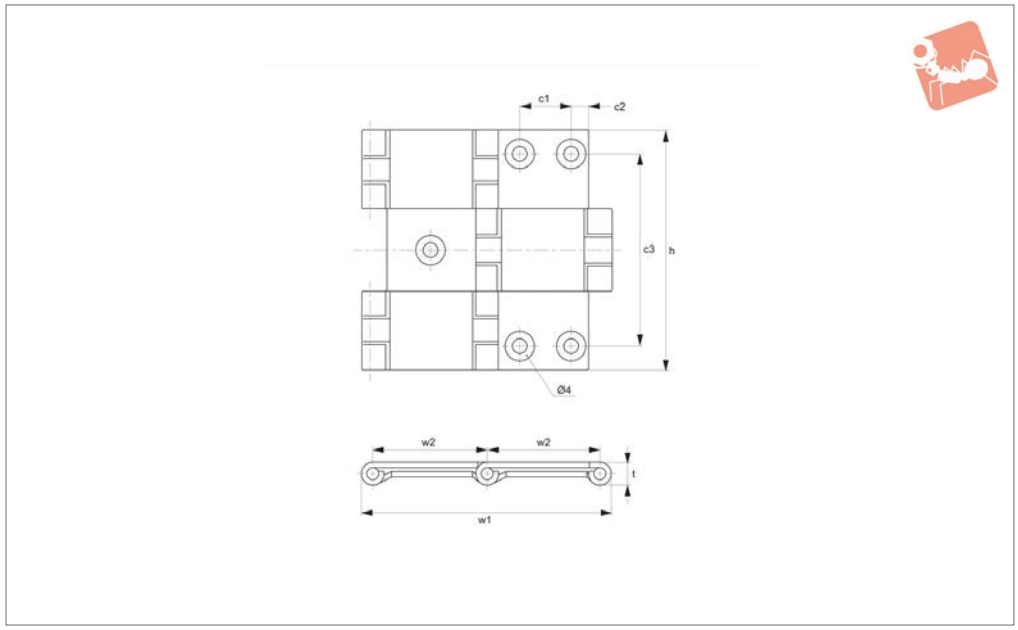
Tips

Mounting via M6 bolts with hex head of 10mm a/f (not supplied).

Important Notes

DR= Maximum door return suitable for use with hinge.
MC= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enlclosure cover.

Order No.	Finish	Door return	a	b	F_x N	F_y N	mc min.	ts panel thickness
S1942.AW010	Black Coated	25	5.6	32	980	630	5	2



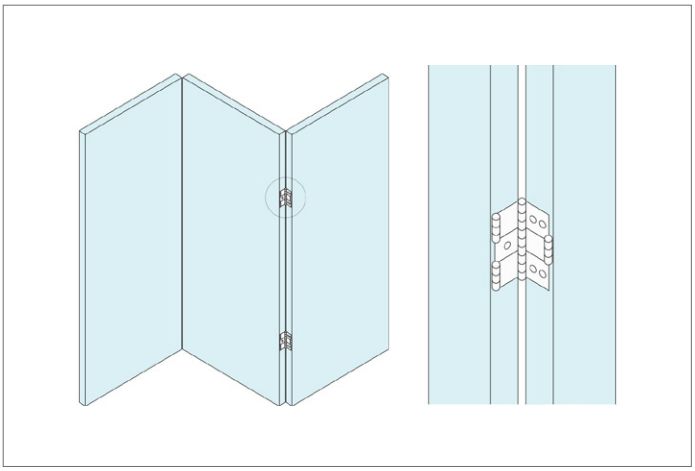
S2010

Material
Stainless steel, AISI 304, satin finish.

Technical Notes
Universal left and right swing of 180°.

Max. door size - 450w x 700h x 21mm thick. Max. door weight - 2,6Kg per hinge pair.

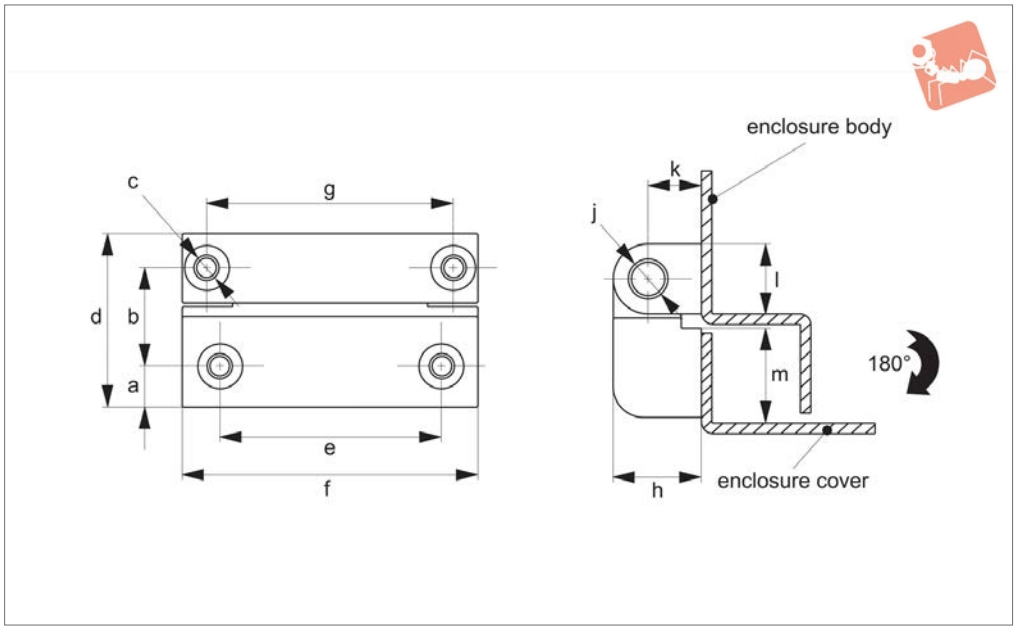
Order No.	c_1	c_2	c_3	t	w_1	w_2	y	Weight g
S2010.AC0060	13.5	4.8	47	5.6	64	29.0	60	65
S2010.AC0070	13.5	6.8	57	7.5	78	35.0	70	130
S2010.AC0080	22.0	6.5	66	7.5	94	43.2	80	175



Surface Mount - Flat Hinge

bolt-on - zinc

S2015



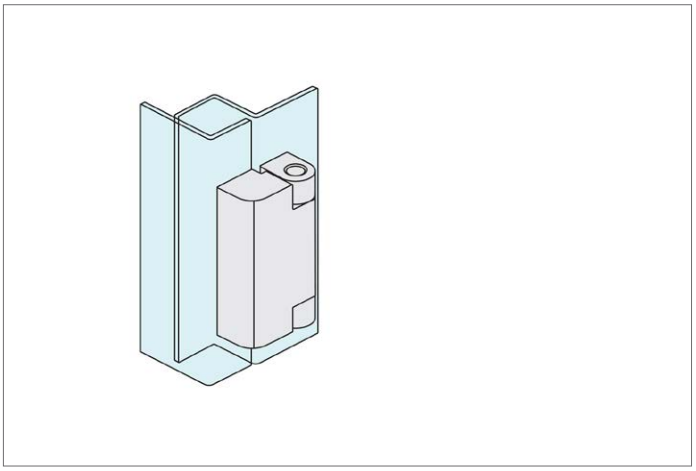
Material

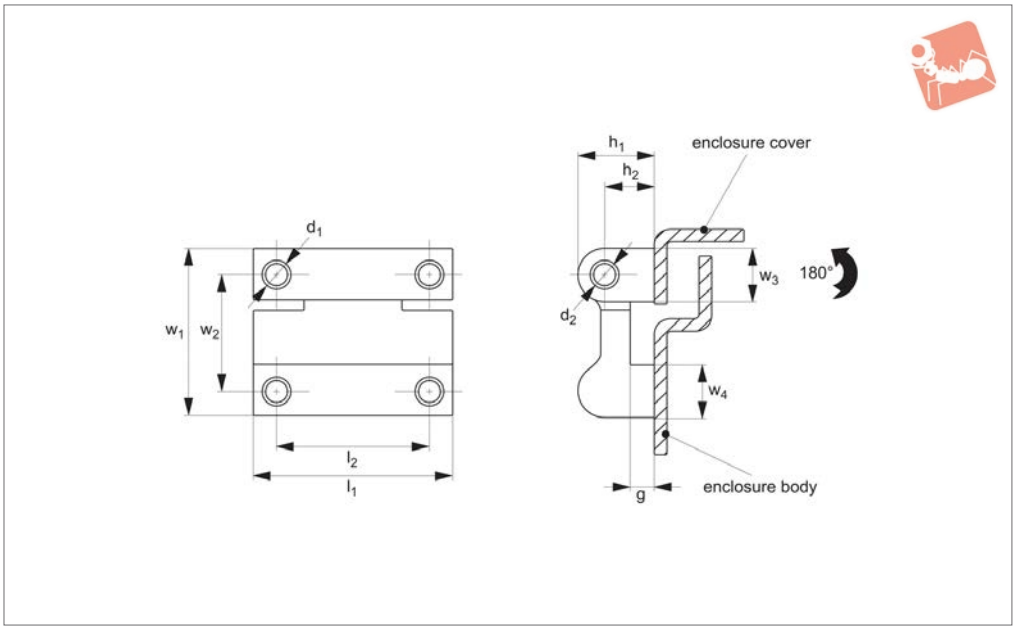
Hinge: die cast zinc, black powder coated.
Pin: steel, nickel-plated.

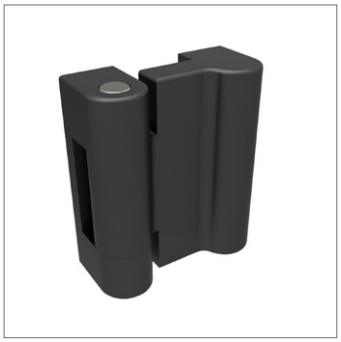
Technical Notes

Opening angle 180°. Mounting via screws dimension c.

Order No.	a	b	c	e	g	h	l	j	k	m	f	F_x N	F_y N	d
S2015.AW0022	4	13.0	M 4	22	22	13	10	Ø5	8	9.0	30	600	460	22.0
S2015.AW0028	4	18.5	M 4	22	22	13	10	Ø5	8	14.5	30	700	800	27.5
S2015.AW0035	8	20.0	M 5	45	50	18	14	Ø8	11	18.0	60	1000	1200	35.0





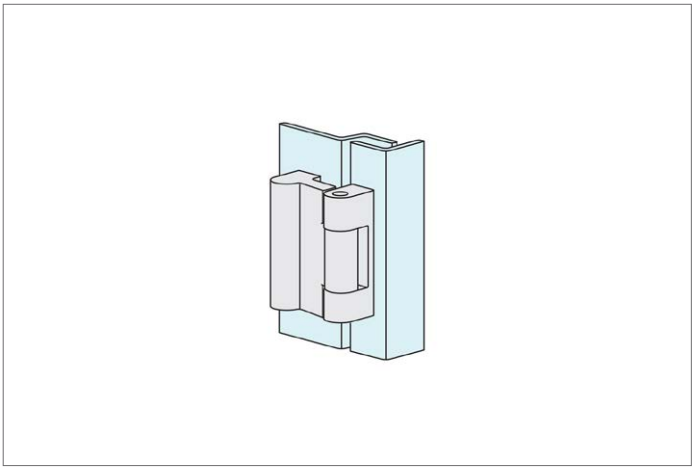


S2017

Material
Body: die cast zinc, black powder coated.
Pin: steel, nickel plated.

Technical Notes
Opening angle 180°. Mounting via M4 screws.

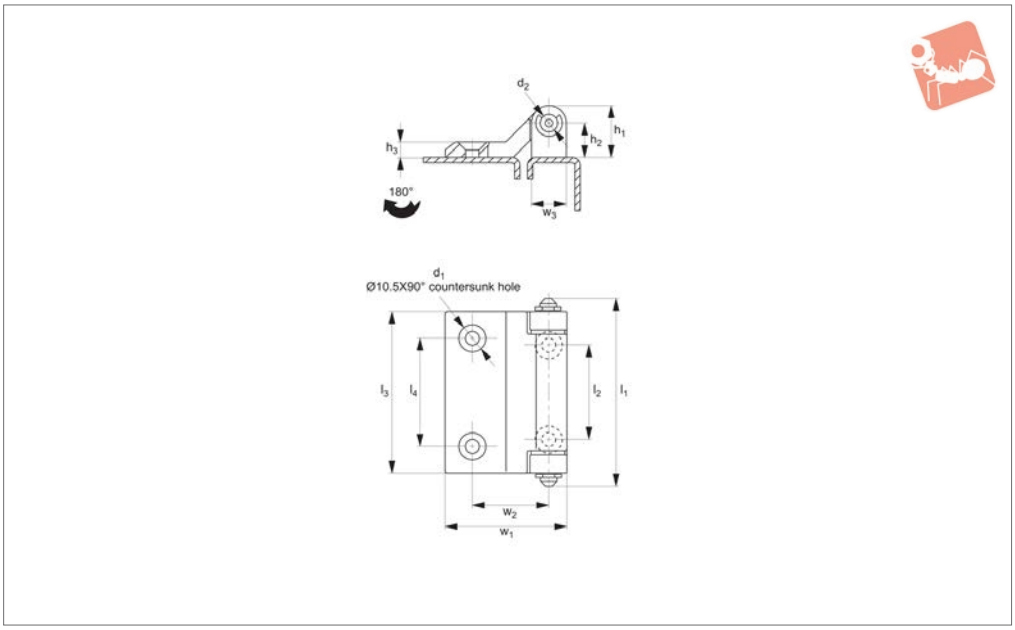
Order No.	Finish	h_1	h_2	l_1	l_2	w_1	w_2	w_3	w_4	F_x N	F_y N	d_1	d_2	g off set
S2017.AW0030	Black Powder Coated	11.5	7.5	30	23	26	18	8	8	1150	700	M 4	4	3.5



Off-Set Mount Hinge

bolt-on - zinc

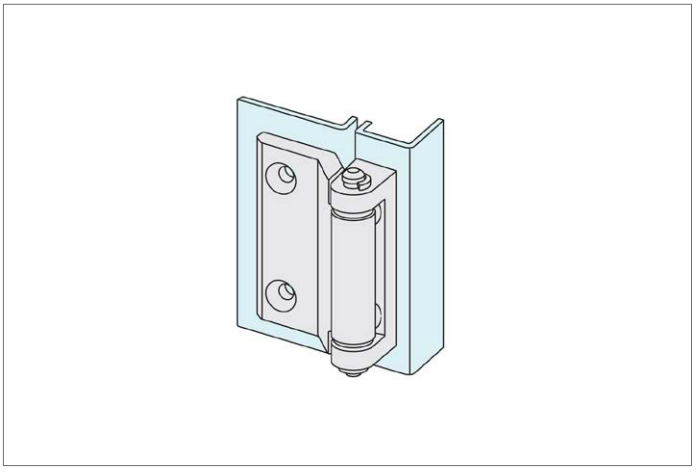
S2030



Material
Body: die cast zinc, black powder coated.
Pin: steel, nickel plated.

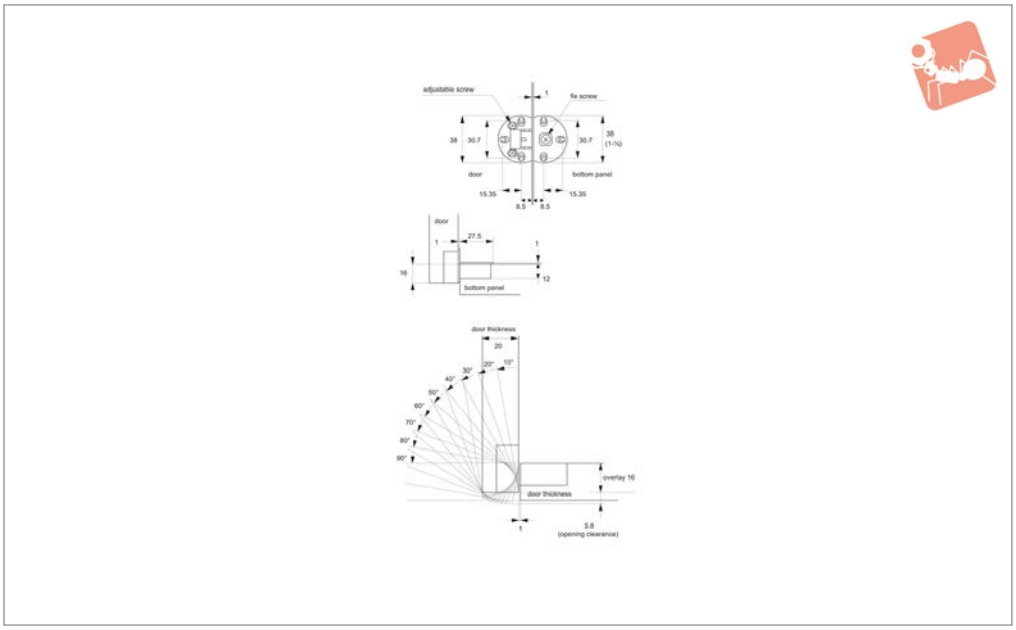
Technical Notes
Opening angle 180°. Mount via M5 screw (not supplied).

Order No.	Finish	h_1	h_2	h_3	l_1	l_2	l_3	l_4	w_1	w_2	w_3	F_x N	F_y N	d_1	d_2
S2030.AW0030	Black Coated	18	13	6	70	35	60	40	45	28.7	13	55	75	5.5	6.5



Flush Mount - Drop Lid Hinges

overlay - zinc



S2050

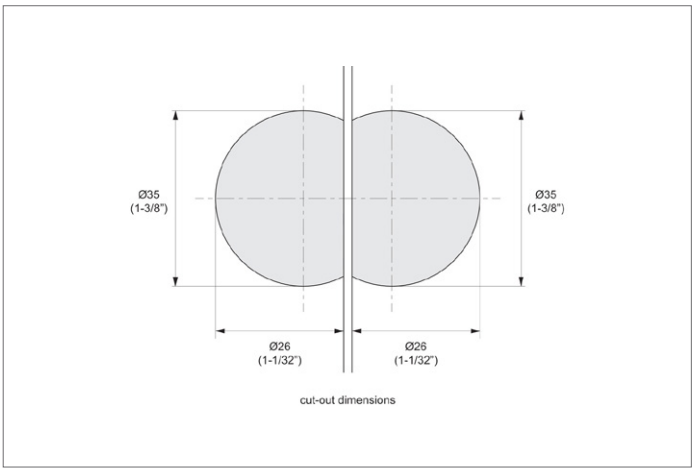
Material
Die cast zinc, nickel plated.

Technical Notes
Hinge flush when opened.

Max door thickness: 16-20mm. Overlay coverage: 14-16mm.
Hinge alignment adjustable after install-laton. Max. opening angle 90°.

Important Notes
Ideal for use in hi-fi cabinets, writing desks etc.

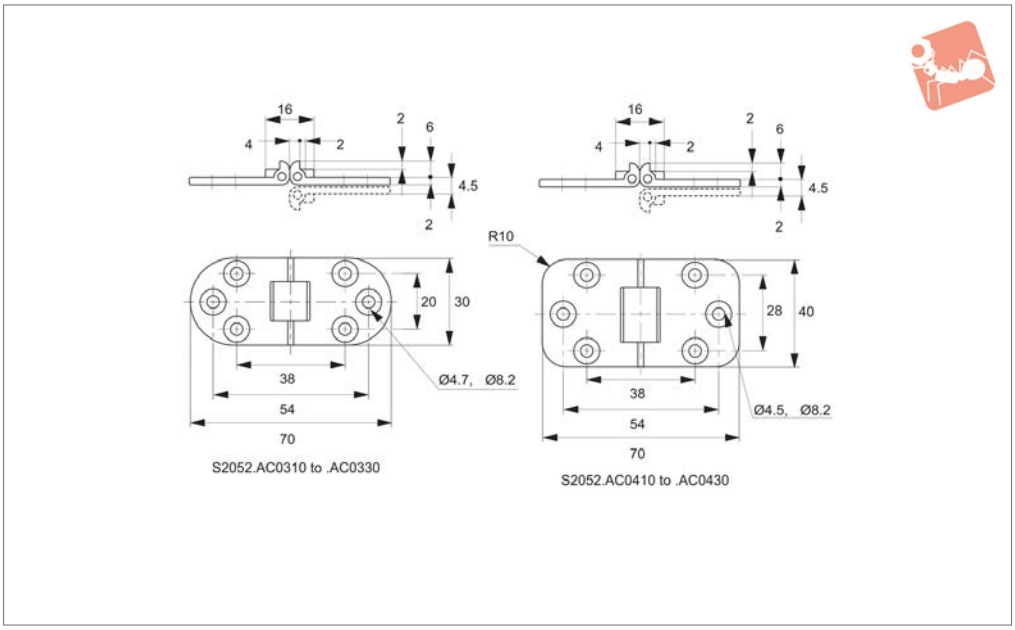
Order No.	Door thickness max.	Hinge dia.	Weight g
S2050.AC0038	16-20mm	38	79



Flush Mount - Drop Lid Hinges

two pivot overlay - brass

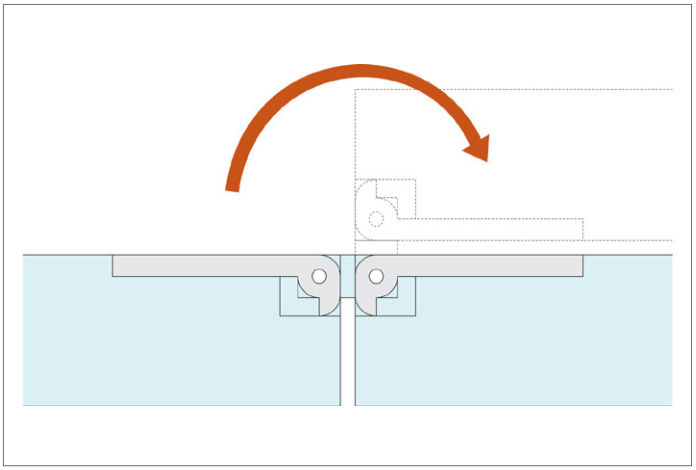
S2052

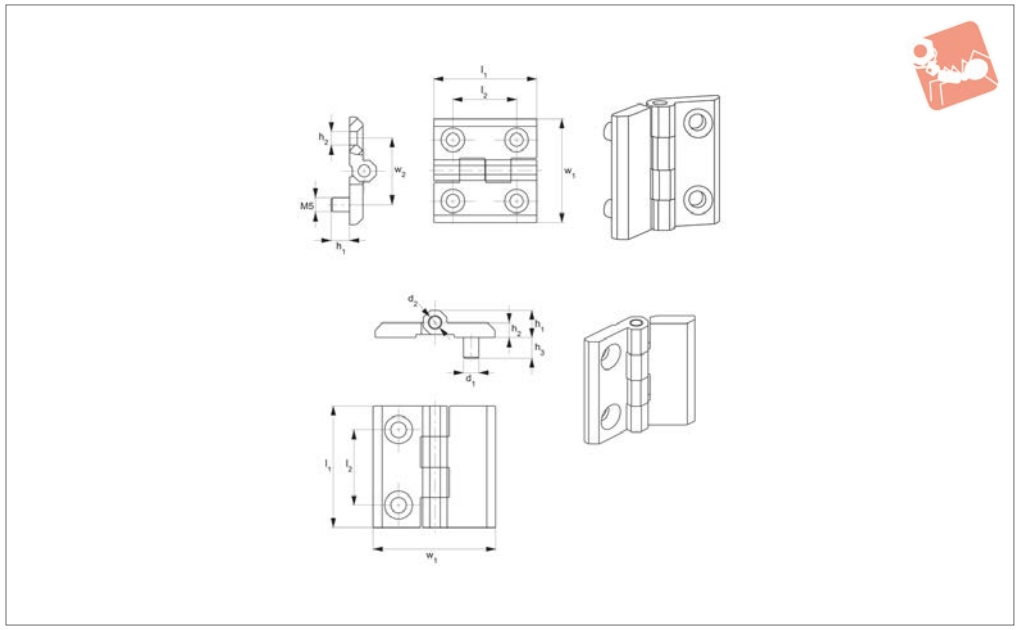


Material
Brass, finished either as polished brass, satin nickel or chrome plating.

Technical Notes
Max. door size: 450w x 700h x 21mm thick.
Provides 180° opening to table tops and flat surfaces.

Order No.	Finish	Size	Weight capacity per pair kg max.	Weight g
S2052.AC0310	Satin Nickel	30	4.0	45
S2052.AC0320	Chrome	30	4.0	45
S2052.AC0330	Brass	30	4.0	45
S2052.AC0410	Satin Nickel	40	4.0	64
S2052.AC0420	Chrome	40	4.0	64
S2052.AC0430	Brass	40	4.0	64





S1102

Material
Die Cast Zinc, Black Powder Coated Pin: steel, nickel plated.
Die Cast Zinc, Chrome Finish Pin: steel, nickel plated.

Technical Notes
For plain/flush mounted doors, as well as electrical panels and covers.

Order No.	Type	Size	h_1	h_2	h_3	l_1	l_2	w_1	w_2	d_1	d_2	90° Angled stress	Axial stress kN	Radial stress kN
S1102.AW0040	Black Coated	40x40	9.0	5	10.0	40	25	40	25	M 5	4	2.0	1.45	2.1
S1102.AW0050	Black Coated	50x50	11.5	6	12.5	50	30	50	30	M 6	6	2.45	2.1	3.5
S1102.AW0140	Chrome	40x40	9.0	5	10.0	40	25	40	25	M 5	4	-	-	-
S1102.AW0150	Chrome	50x50	11.5	6	12.5	50	30	50	30	M 6	6	-	-	-

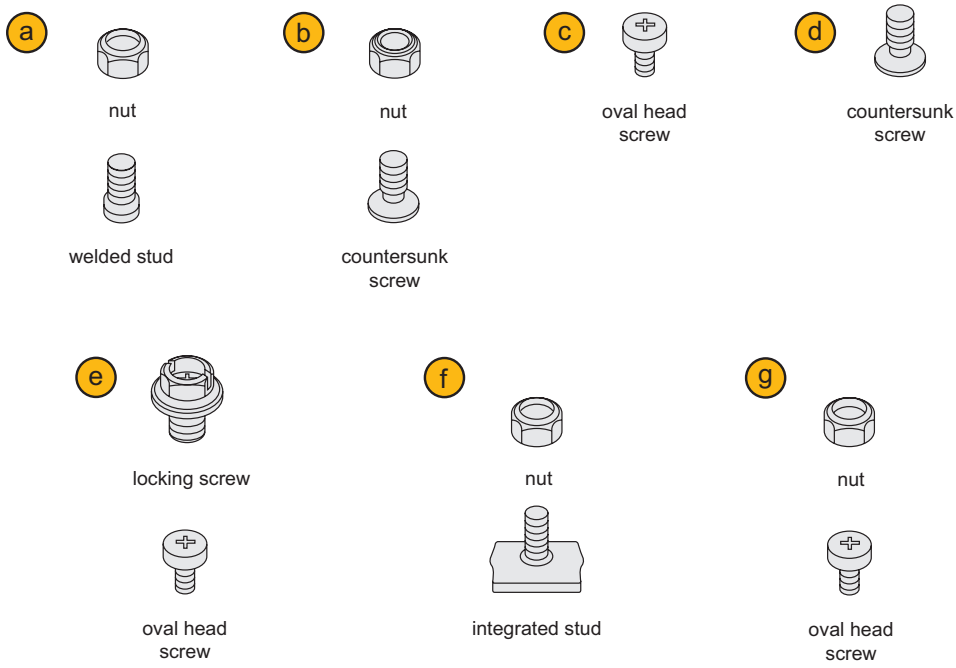
Mounting of Concealed Hinges

mounting options

A variety of mounting methods are available!

Mounting combinations

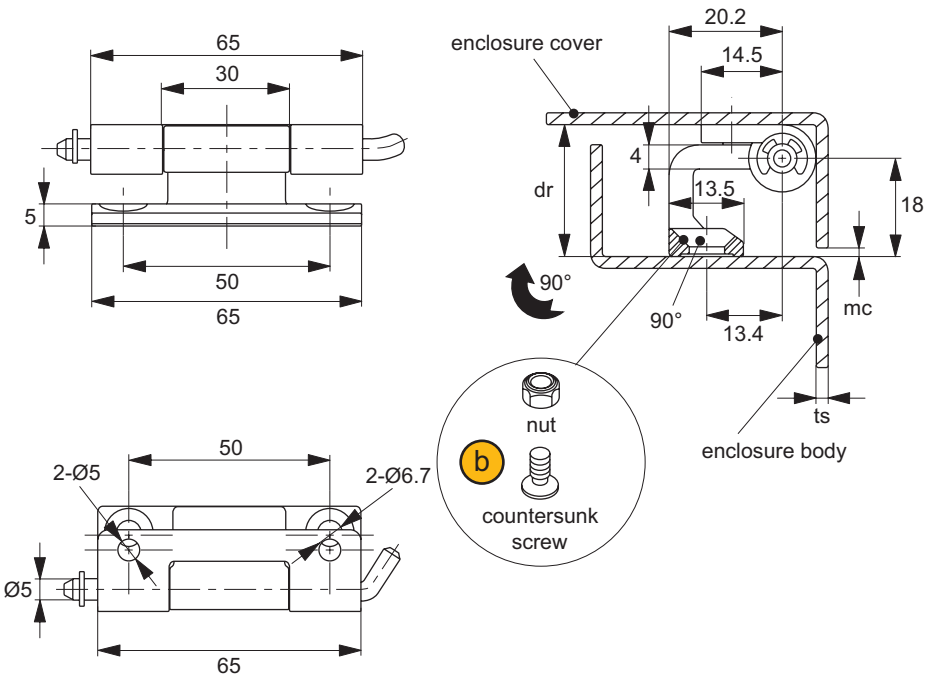
Wixroyd concealed hinges can be mounted in a variety of ways using additional nuts and bolts.

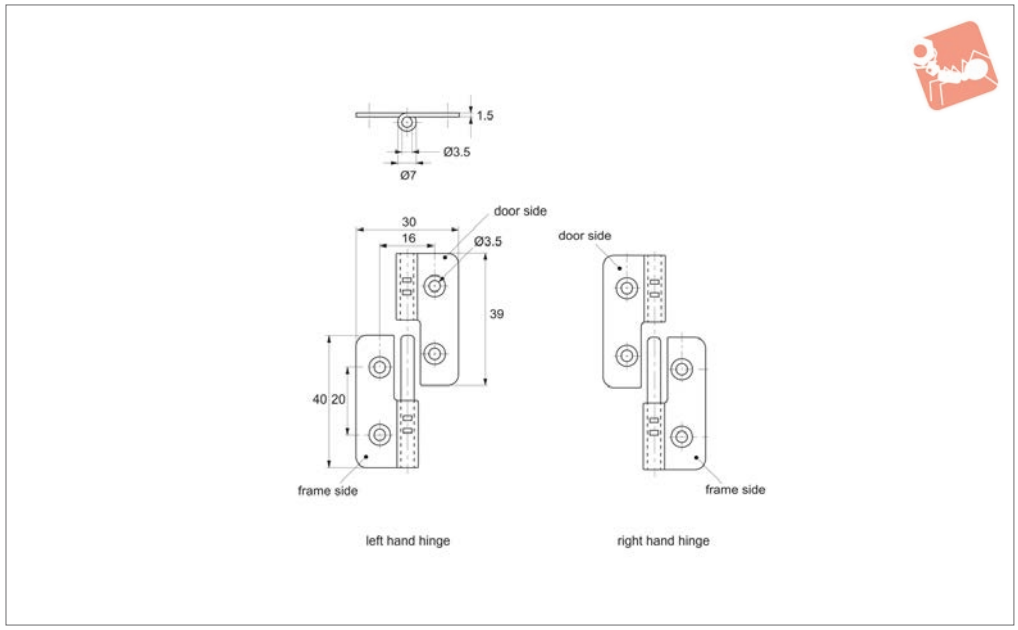


Important Note: Refer to individual product pages for suitable mounting options. If you have any problems please contact our Technical Sales Team.

Mounting example

In the example, mounting option (2), a nut with a countersunk screw, is used to mount the hinge onto the enclosure body.





S2300

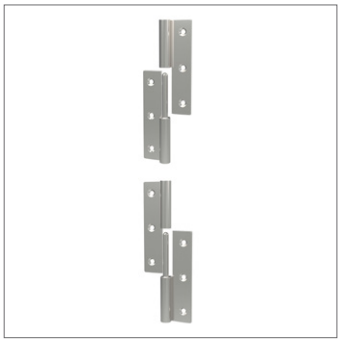
Material
Stainless steel, AISI 304, polished finish.

Important Notes
Product stamped with an „L“ does not mean it is a left hand hinge - it fixes to the right hand part of the frame.
Product stamped with an „R“ does not mean it is a right hand hinge - it fixes to the left hand side of the frame.

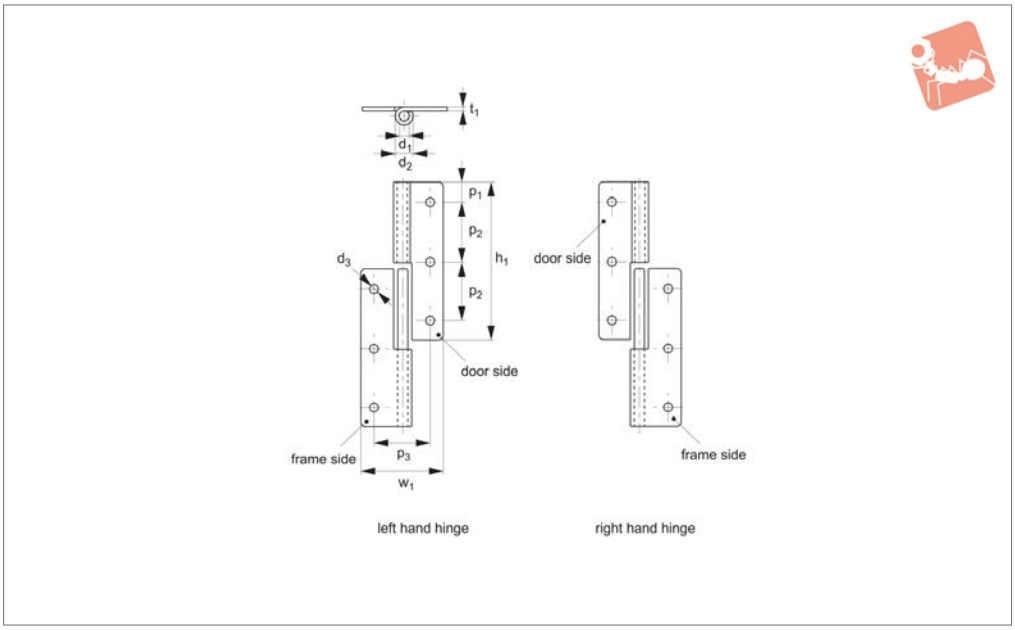
Order No.	t	Type	Weight g
S2300.AC0010	1.5	Right	21
S2300.AC0110	1.5	Left	21

Lift-Off Hinges - Off-Set

screw mount - stainless steel



S2320



Material

Stainless steel, AISI 304, polished finish.

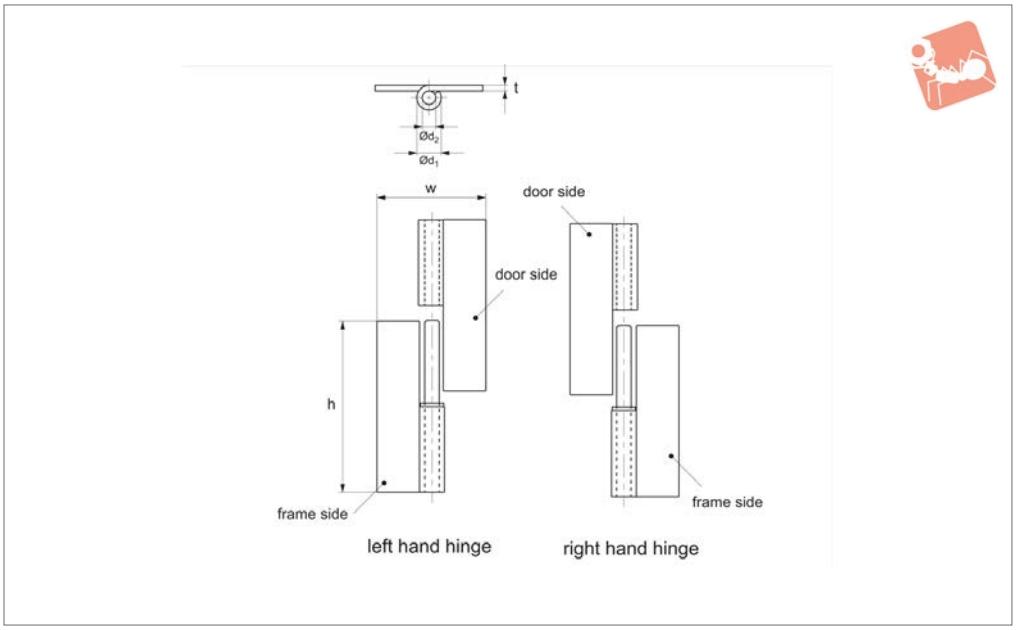
Technical Notes

Opening angle 180°.

Important Notes

Product stamped with an „L“ does not mean it is a left hand hinge - it fixes to the right hand part of the frame.
Product stamped with an „R“ does not mean it is a right hand hinge - it fixes to the left hand side of the frame.

Order No.	t	Type	h	w	p_1	p_2	p_3	Ø d_1	Ø d_2	Ø d_3	Weight g
S2320.AC0050	1.5	Right	50	32	5.0	20	21	7.5	4	3.2	32
S2320.AC0064	1.5	Right	64	36	8.0	24	24	7.5	4	3.2	44
S2320.AC0075	2.0	Right	75	38	7.5	30	24	8.5	4	3.2	64
S2320.AC0150	1.5	Left	50	32	5.0	20	21	7.5	4	3.2	32
S2320.AC0164	1.5	Left	64	36	8.0	24	24	7.5	4	3.2	44
S2320.AC0175	2.0	Left	75	38	7.5	30	24	8.5	4	3.2	64



S2340

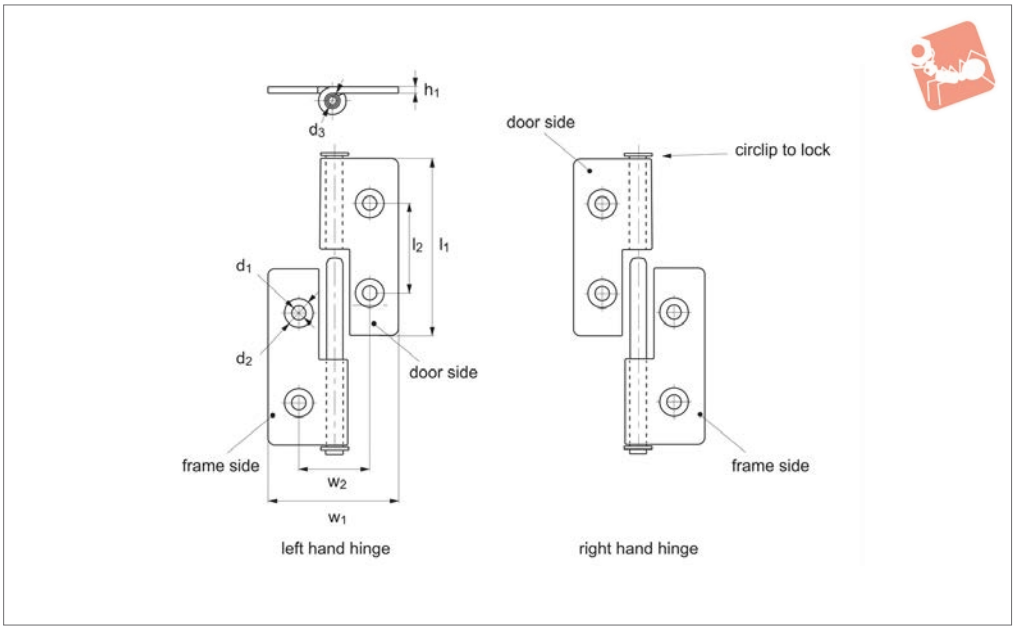
Material
Stainless steel, AISI 304, polished finish.

Order No.	t	Type	h	w	d_1	d_2	Weight g
S2340.AC0010	4	Right	100	82	16	8	335
S2340.AC0110	4	Left	100	82	16	8	335

Lift-Off Hinges - Off set

screw mount - stainless steel

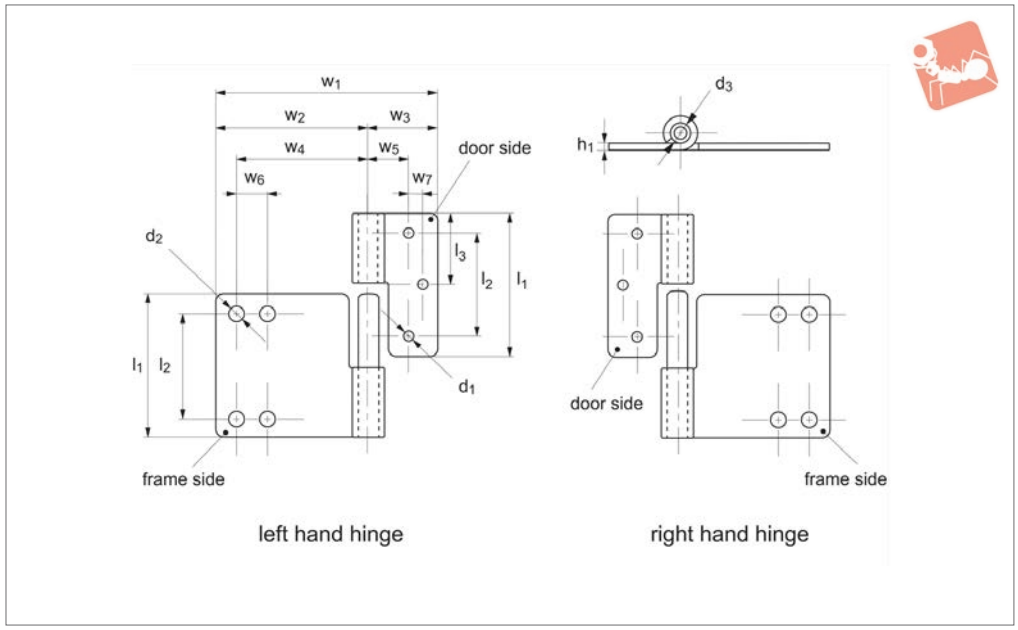
S2314



Material
Body: stainless steel 304.

Technical Notes
Opening angle 180°.

Order No.	Type	l_1	w_1	d_1	d_2	d_3	h_1	l_2	w_2	F_x N	F_y N
S2314.AW0010	Left	40	30	3.1	6.1	3.5	1.5	20	16	305	470
S2314.AW0020	Right	40	30	3.1	6.1	3.5	1.5	20	16	305	470



S2316

Material
Body: stainless steel.

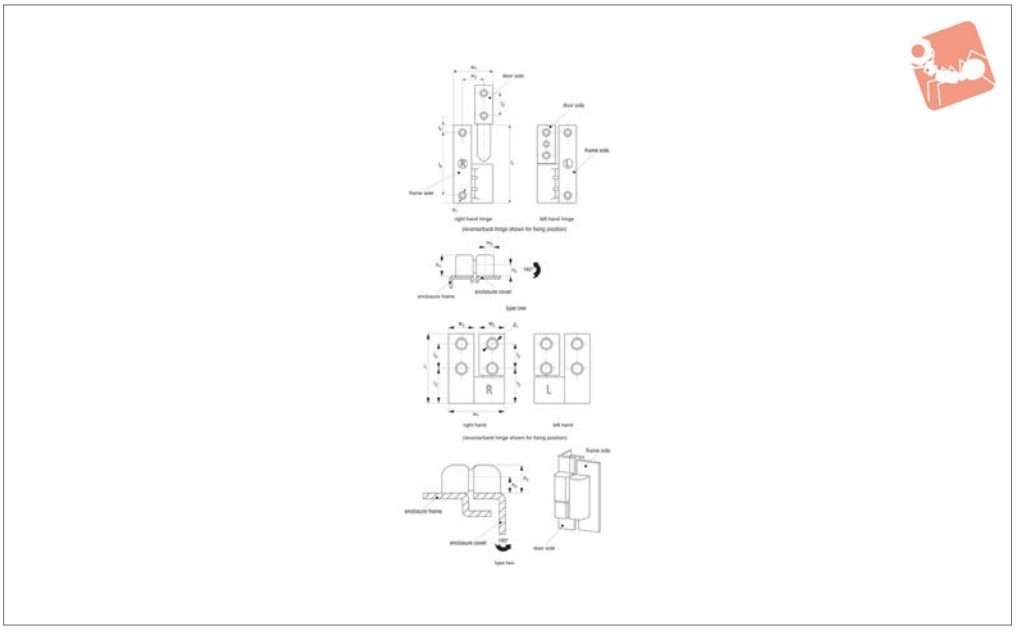
Technical Notes
Opening angle 180°.

Order No.	Type	l_1	w_1	d_1	d_2	d_3	h_1	l_2	l_3	w_2	w_3	w_4	w_5	w_6	w_7	F_x N	F_y N
S2316.AW0010	Left Hand	72	110	4.2	8.1	10	3	52	36	75	35	65	20	15	7.5	1280	630
S2316.AW0020	Right Hand	72	110	4.2	8.1	10	3	52	36	75	35	65	20	15	7.5	1280	630

Lift-Off Hinges - Off-Set

bolt-on - zinc

S2404



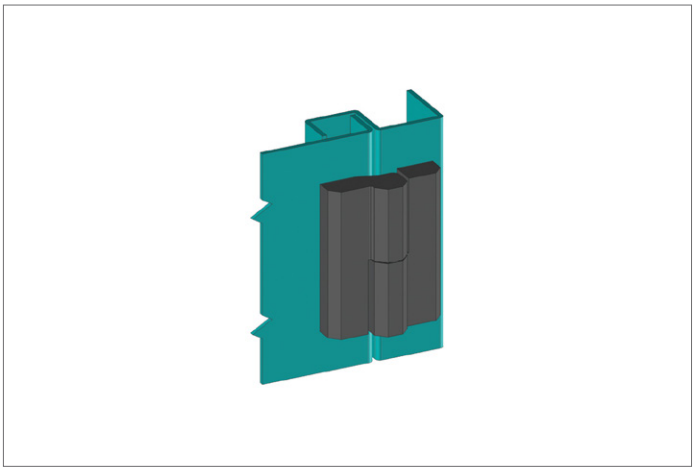
Material

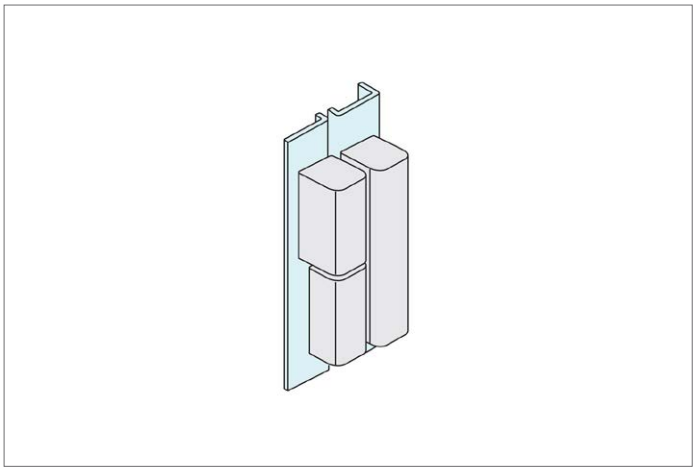
Type one: Body: die cast zinc, black powder coated.
Bushing: polyamide.
Type two: Body: die cast zinc, black powder coated.
Natural unfinished available on request, subject to minimum order quantity.

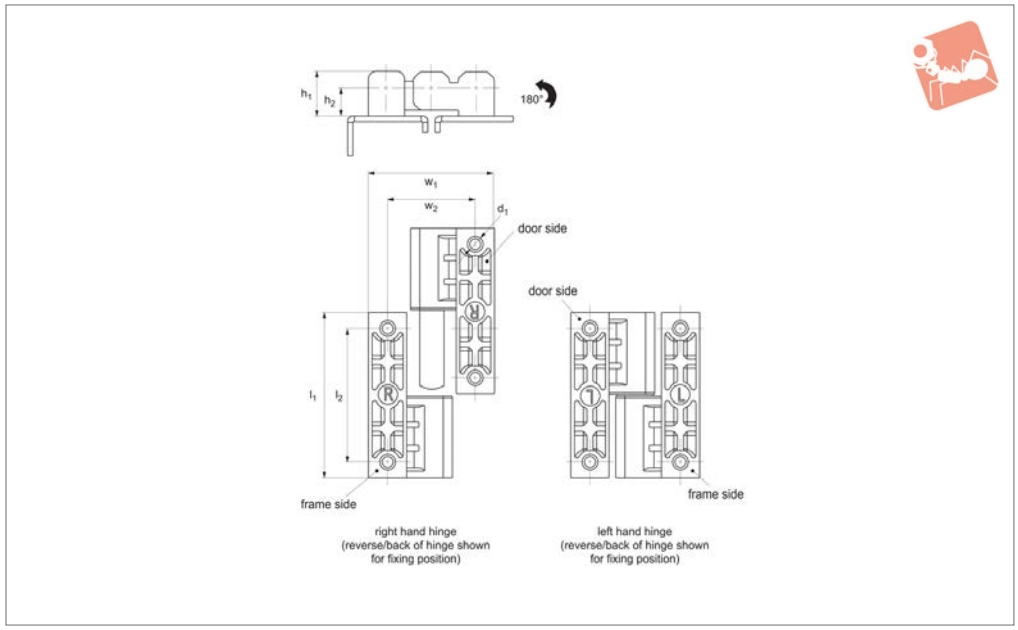
Technical Notes

Lift off hinge for plain/flush mounted doors. Concealed mounting screws prevent external access to the hinge. Opening angle 180°.

Order No.	Type	Hand	l_1	w_1	d_1	h_1	h_2	l_2	l_3	l_4	l_5	w_2	w_3	F_x N
S2404.AW0025	One	Right	64.0	32.5	M 5	17.5	10.0	19	-	51	6.5	17.5	-	490
S2404.AW0125	One	Left	64.0	32.5	M 5	17.5	10.0	19	-	51	6.5	17.5	-	490
S2404.AW0064	Two	Right	25.5	20.5	M 4	10.0	5.5	9	13	-	-	-	9.4	270
S2404.AW0164	Two	Left	25.5	20.5	M 4	10.0	5.5	9	13	-	-	-	9.4	270







S2406

Material
Hinge: die cast zinc.
Bushing: polyamide.

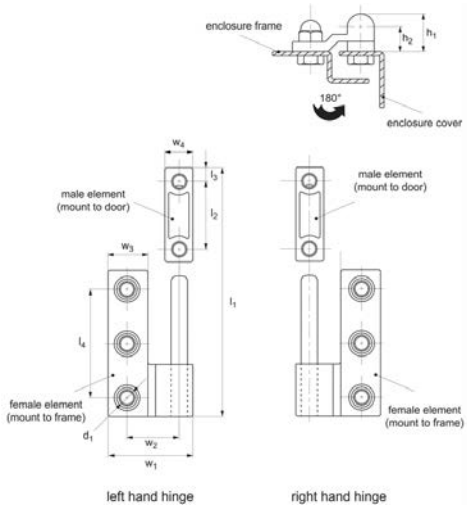
Technical Notes
Opening angle 180°.

Order No.	Type	l_1	w_1	d_1	h_1	h_2	l_2	w_2	F_x N	F_y N
S2406.AW0064	Right	64	50	M5	17.5	10	51	35	3300	880
S2406.AW0164	Left	64	50	M5	17.5	10	51	35	3300	880

Lift-Off Hinges - Off set

bolt-on - zinc

S2408



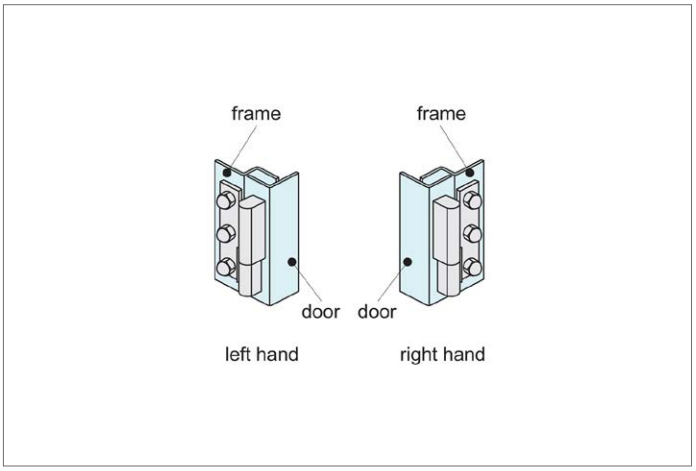
Material

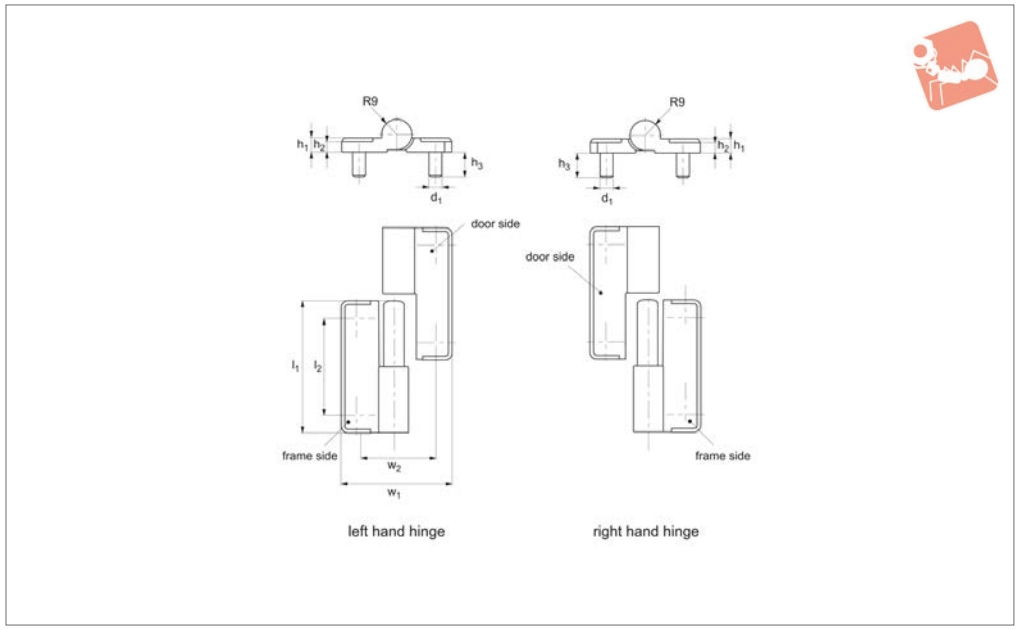
Body: die cast zinc, black powder coated.
Pin: steel, nickel plated.

Technical Notes

Opening angle 180°.

Order No.	Type	l_1	w_1	d_1	h_1	h_2	l_2	l_3	l_4	w_2	w_3	w_4
S2408.AW0062	Right	62	36	M6	16	10	29	5.5	46	22	16	12
S2408.AW0162	Left	62	36	M6	16	10	29	5.5	46	22	16	12



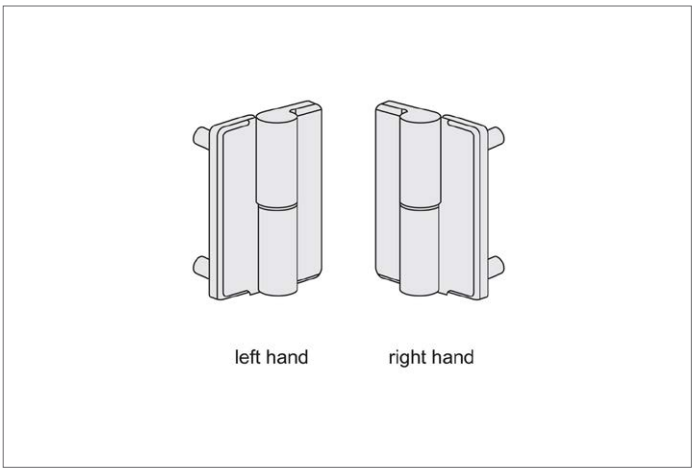


S2420

Material
Hinge: die cast zinc, black powder coated.
Screw: stainless steel.

Technical Notes
Using a left and a right handed hinge the door will not be removable, where as using two hinges of the same type the door will be removable. Opening angle 180°.

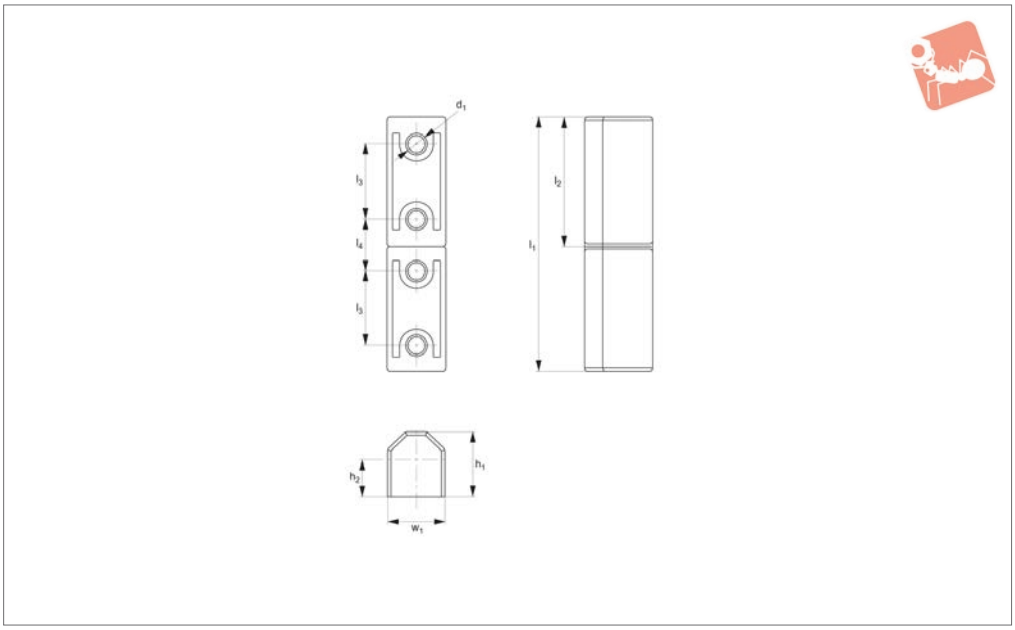
Order No.	Type	l_1	w_1	d_1	h_1	h_2	h_3	l_2	w_2	F_x N	F_y N
S2420.AW0010	Left	80	64	M 8	10	8	14	60	45	1500	1800
S2420.AW0110	Right	80	64	M 8	10	8	14	60	45	1500	1800



Lift-Off Hinges - In Line

bolt-on - zinc

S2500



Material

Body: die cast zinc, chrome plated or black powder coated.
Bushing: polyamide.

Technical Notes

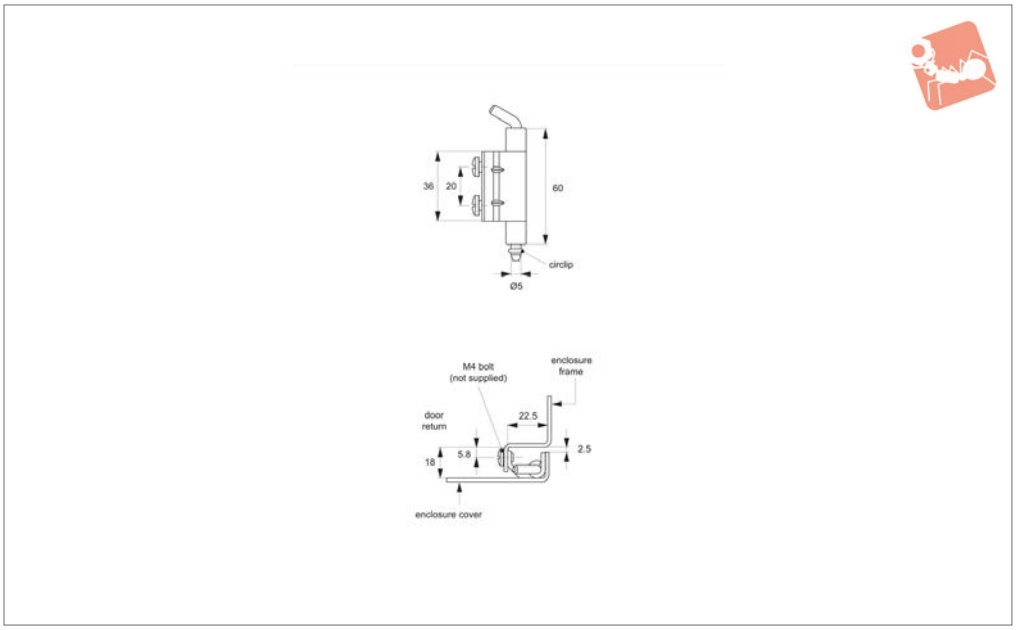
Universal left or right hand opening doors.
For external mounting on cabinets, surface mounted doors, sheet metal doors etc.

Mounting via concealed 4xM 5 screws.
Opening angle 180°.

Order No.	Finish	l_1	w_1	d_1	h_1	h_2	l_2	l_3	l_4	F_x N	F_y N
S2500.AW0010	Chrome	64	15	M 5	17	10	32	19	13	600	1500
S2500.AW0020	Black Coated	64	15	M 5	17	10	32	19	13	600	1500

Concealed Pivot Hinges - Lift Off

20 mm door return - weld or stud - steel

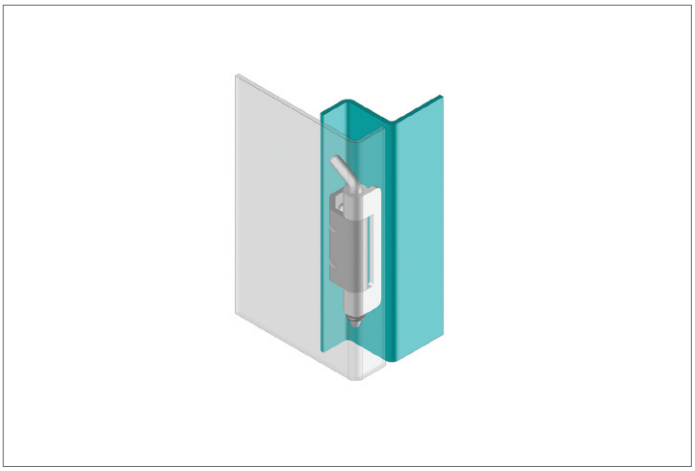


S2104

Material
Steel and stainless steel (304 and 316).

Technical Notes
Suited to sheet metal and machine enclosures with door return. Main body mounted via two M 4 screws. Hinge plate either welded or screwed to enclosure body. Removable hinge pin enables easy installation and is held in place via circlip. Max. opening angle 120°.

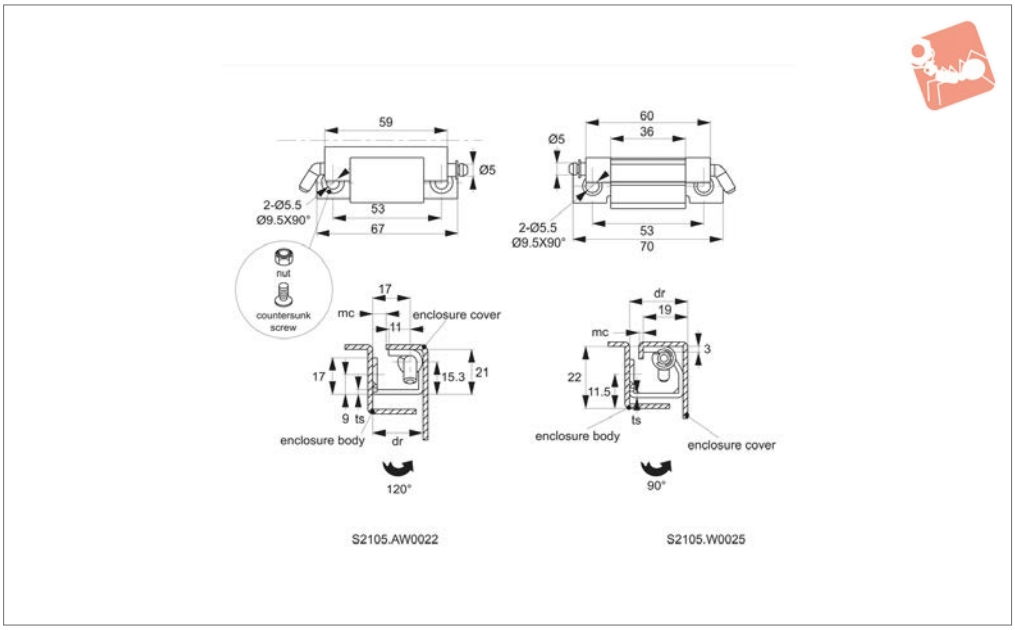
Order No.	Material	Door return	Size	F_x N	F_y N
S2104.AW0020	Steel	20	60 x 22,5 x 20	280	250
S2104.AW0120	304 Stainless	20	60 x 22,5 x 20	-	-
S2104.AW0220	316 Stainless	20	60 x 22,5 x 20	-	-



Concealed Pivot Hinges - Lift Off

22-25mm door return - weld and countersunk screw

S2105



Material

Body & hinge: steel, white zinc plated.

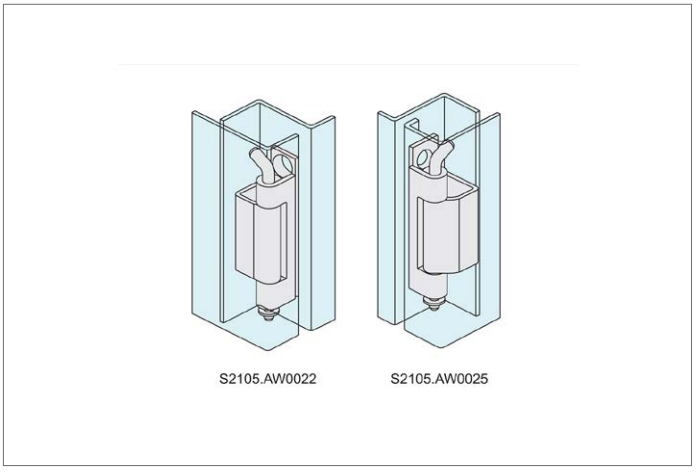
Technical Notes

Suited to sheet metal and machine enclosures with 22-25mm door return. Main body mounted via two M5 screws. Hinge plate either welded or screwed to enclosure body.
Removable hinge pin enables easy installation and is held in place via circlip.
Max. opening angle 120° or 90°.

Important Notes

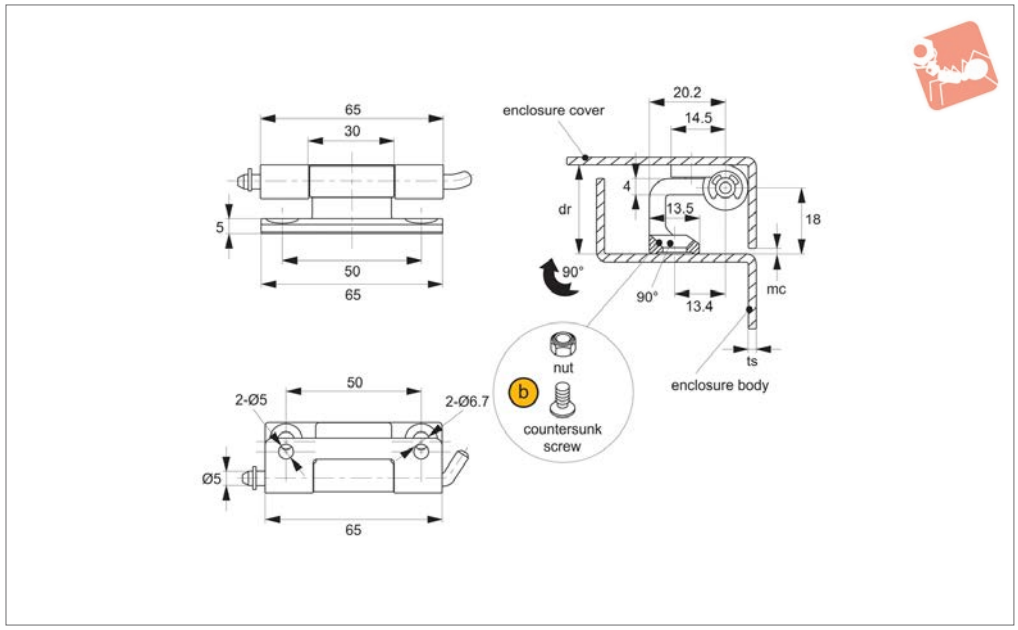
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts thickness
S2105.AW0022	25	59 x 21 x 22	120	310	4.5	2.5
S2105.AW0025	22	60 x 22 x 25	120	310	4.0	2.5



Concealed Pivot Hinges - Lift Off

23mm door return - weld and countersunk screw



S2115

HINGES

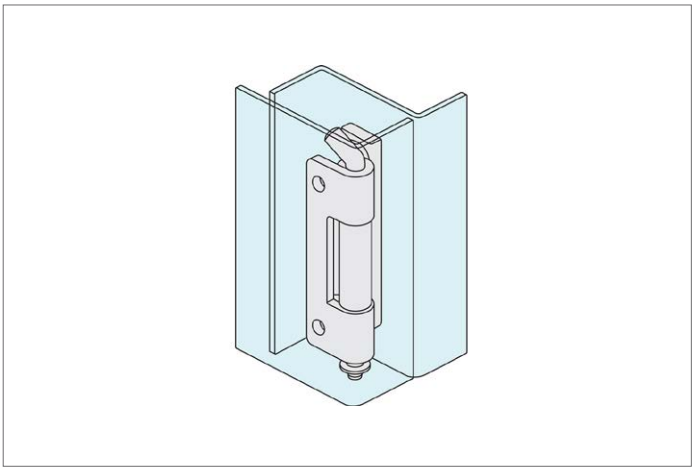
Material
Hinge & pin: steel, white zinc plated.

Technical Notes
Suited to sheet metal and machine enclosures with 23mm door return. When the gap between the door and frame is 2mm, opening angle is 90°.

Main body mounted via M6 screws, hinge plate either welded or screwed to enclosure with M5 screws. Removable hinge pin enables easy installation and is held in place via circlip. Opening angle 180°.

Important Notes
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

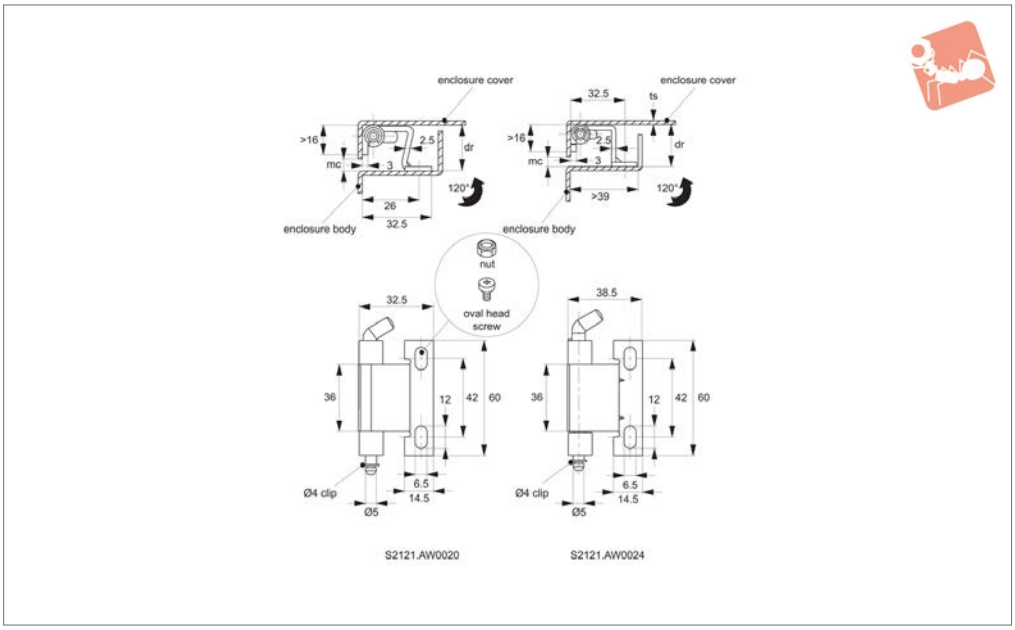
Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2115.AW0024	23.8	65 x 23 x 20,2	900	700	2	2



Concealed Pivot Hinges - Lift Off

20-24mm door return - weld and oval head screw

S2121



Material

Hinge & pin: steel, white zinc plated.

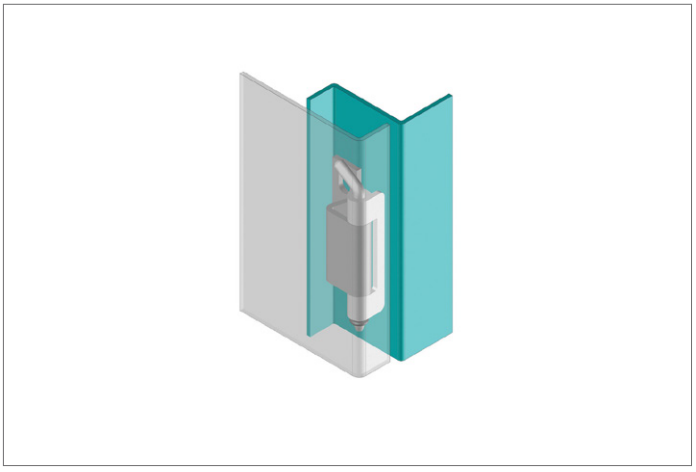
Technical Notes

Suited to sheet metal and machine enclosures with door return of 20-24mm. Main body mounted via two M6 screws, hinge plate welded to frame.
Removable hinge pin enables easy installation, and is held in place via circlip. Max. opening angle 120°.

Important Notes

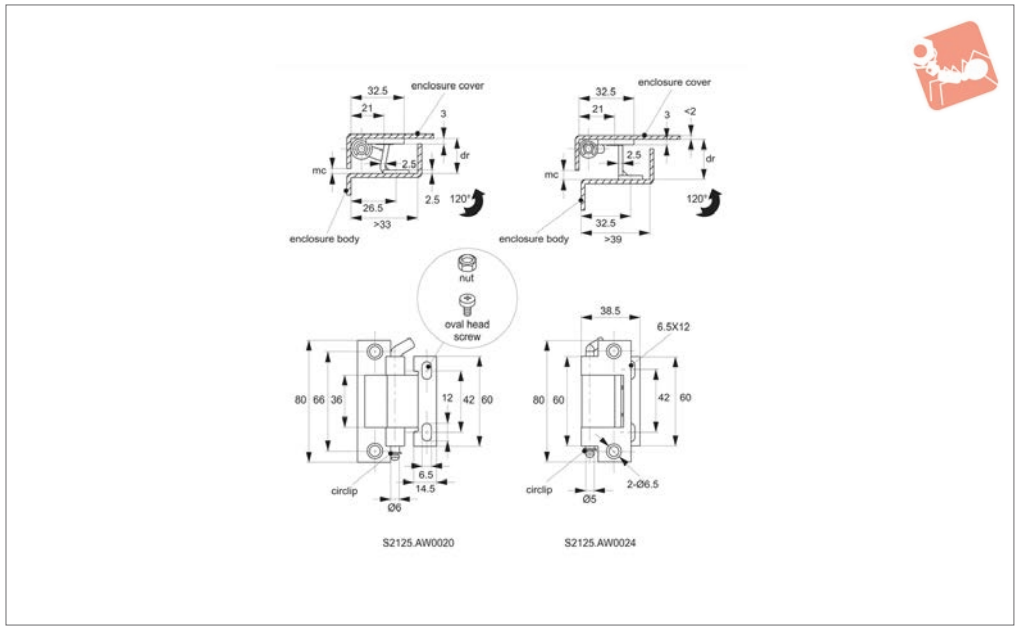
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2121.AW0020	20.0	60,0 x 32,5 x 20,0	350	778	3	2.0
S2121.AW0024	24.5	60,0 x 38,5 x 24,5	350	778	3	2.0



Concealed Pivot Hinges - Lift Off

20 & 24mm door return - weld and oval head screw



S2125

Material

Hinge & pin: steel, white zinc plated.

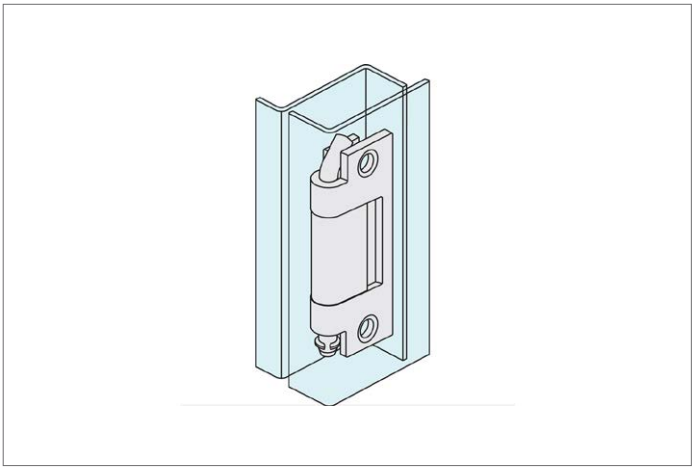
Technical Notes

Suited to sheet metal and machine enclosures with 20-24mm door return. Main body mounted via two M6 screws, hinge plate welded to frame.
Removable hinge pin enables easy installation, and is held in place via circlip.
Max. opening angle 120°.

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

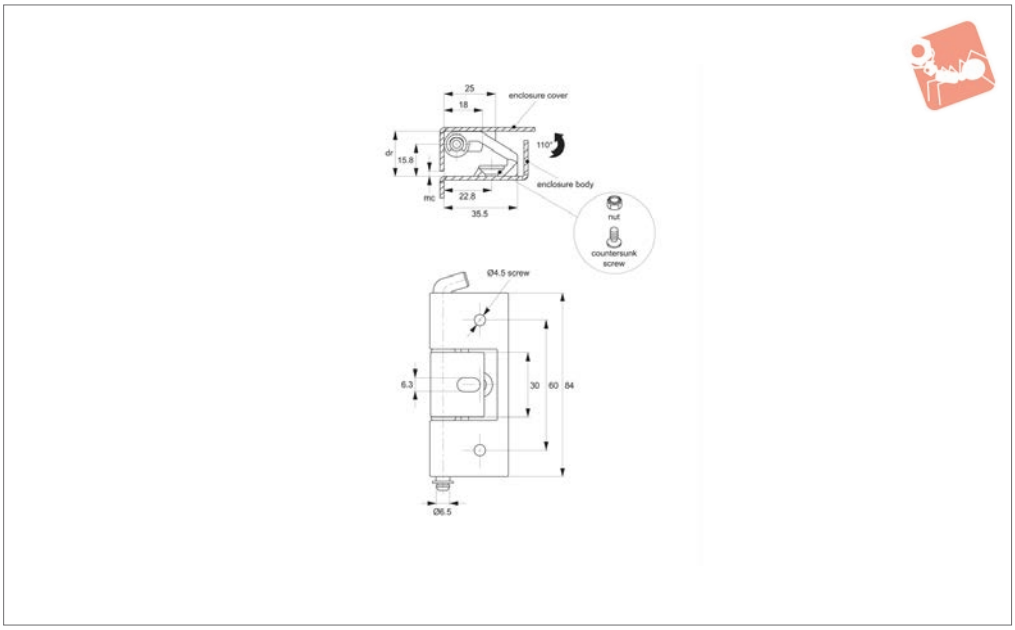
Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2125.AW0020	20.0	60,0 x 33,0 x 20,0	310	480	3.0	2.0
S2125.AW0024	24.5	60,0 x 39,0 x 24,5	310	480	2.5	2.0



Concealed Pivot Hinges - Lift Off

22mm door return - weld and countersunk screw -

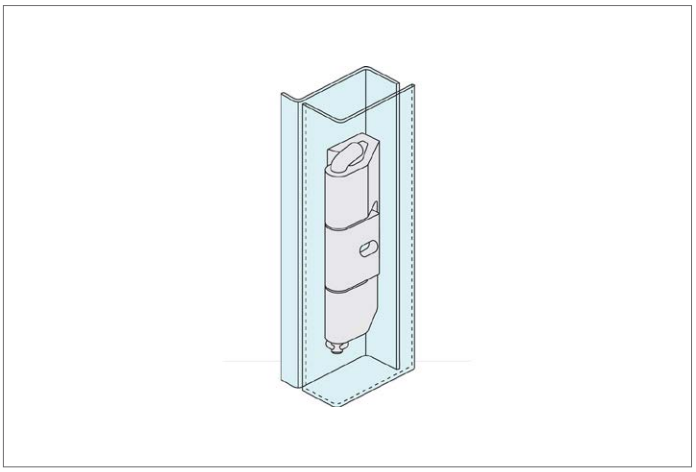
S2153



Material
Hinge: die cast zinc.
Pin: steel.
Gasket: polyamide.

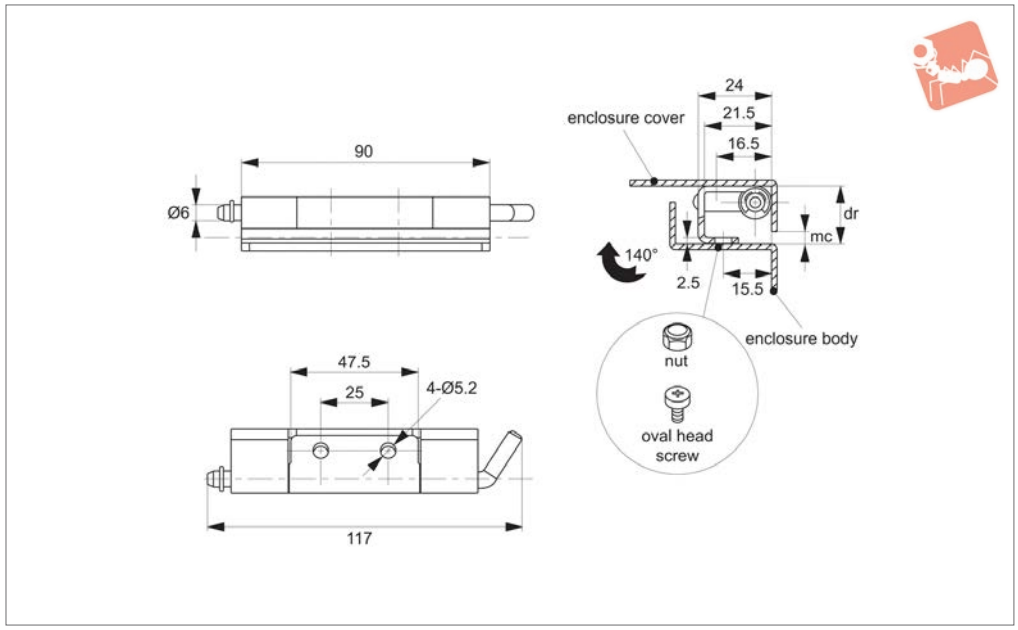
Technical Notes
Suited to sheet metal and machine enclosures with a 22mm door return. Main body mounted via two M4 screws, hinge plate welded to frame.
Removable hinge pin enables easy installation, and is held in place via circlip.
Max. opening angle 110°.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2153.AW0022	22	60 x 33,5 x 22	720	830	3	2



Concealed Pivot Hinges - Lift Off

19mm door return - weld and oval head screw -



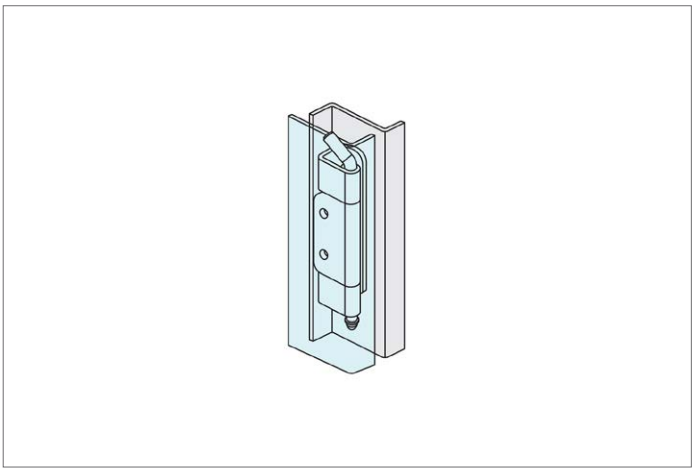
S2155

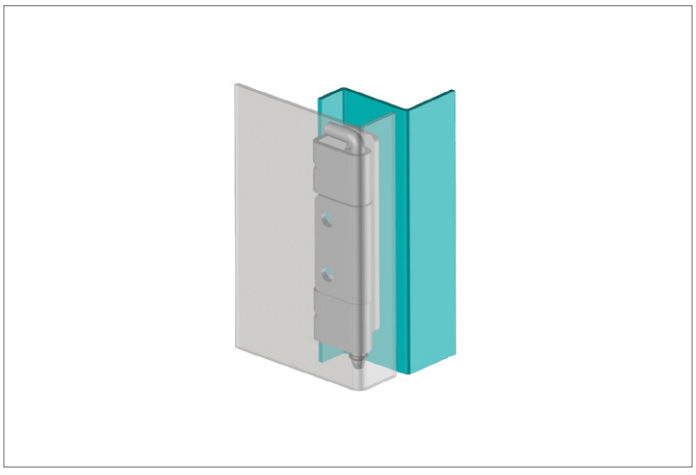
Material
Hinge & pin: stainless steel.

Technical Notes
Opening angle 140°.

Important Notes
Suited to sheet metal and machine enclosures with a 19mm door return. Main body mounted via two M5 screws, hinge plate welded to frame.
Removable hinge pin enables easy installation, and is held in place by split clip.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2155.AW0019	19	117 x 24 x 19	500	980	5	2.0

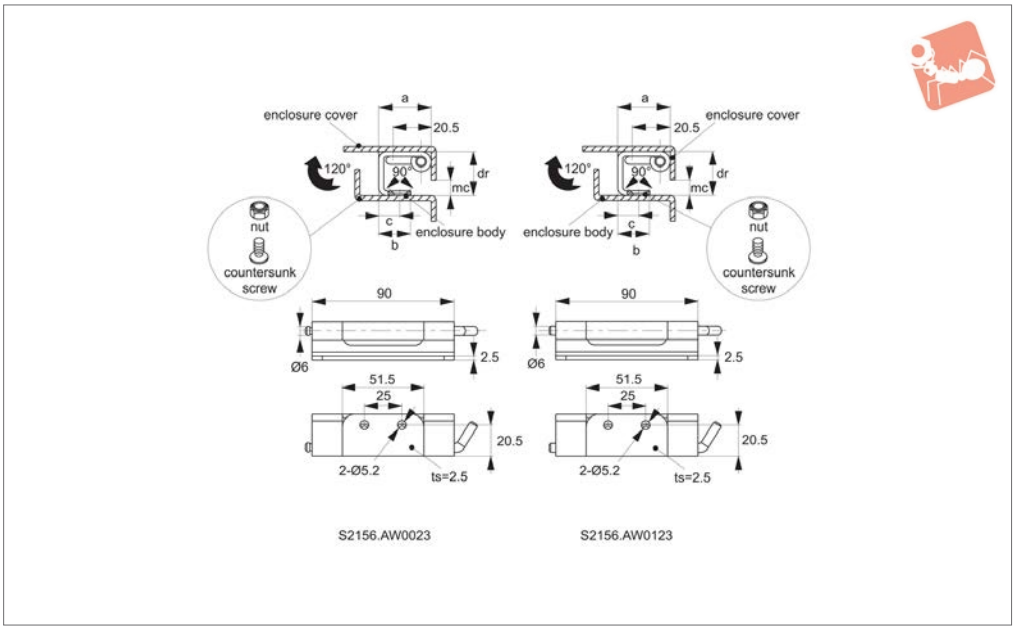




Concealed Pivot Hinges - Lift Off

23mm door return - weld and locking screw - stain-

S2156



Material

Hinge & shaft: stainless steel. AISI 304.

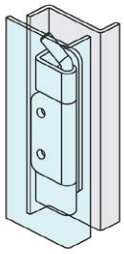
Technical Notes

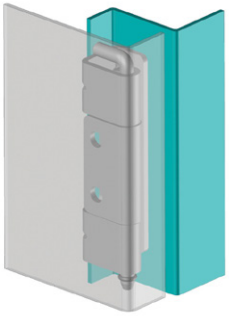
Opening angle 120°. Suited to sheet metal and machine enclosures with a 23mm door return. Main body mounted via two M5 screws, hinge plate welded to frame (copper plated for improved welding). Removable hinge pin enables easy installation, and is held in place by clip.

Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

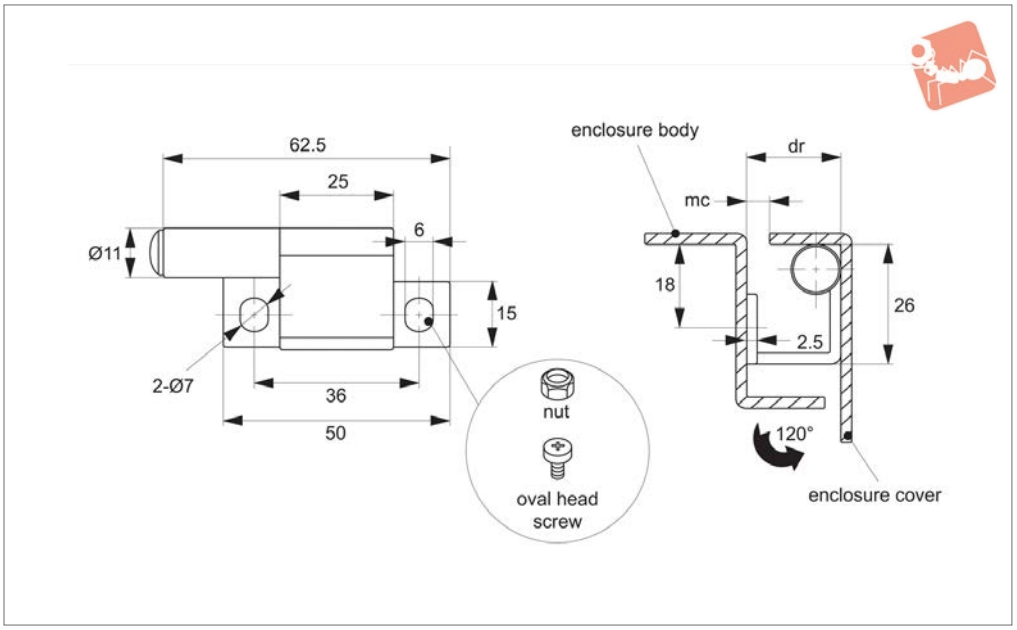
Order No.	Door return	Size	a	b	c	F_x N	F_y N	mc min.	ts panel thickness
S2156.AW0023	23	90 x 27,5 x 23	27.5	16.5	11.0	500	980	5	2.5
S2156.AW0123	23	90 x 33,5 x 23	33.5	22.0	14.5	500	980	5	2.5





Concealed Pivot Hinges - Lift Off

21mm door return - weld and oval head screw - steel



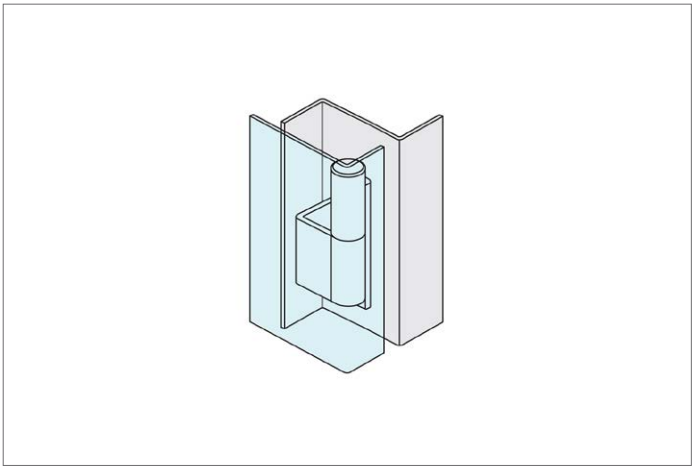
S2170

Material
Hinge: steel, white zinc plated.

Technical Notes
Suited to sheet metal and machine enclosures with a 21mm door return. Main body mounted via two M7 screws, hinge plate welded to frame.
Opening angle: 120°.

Important Notes
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

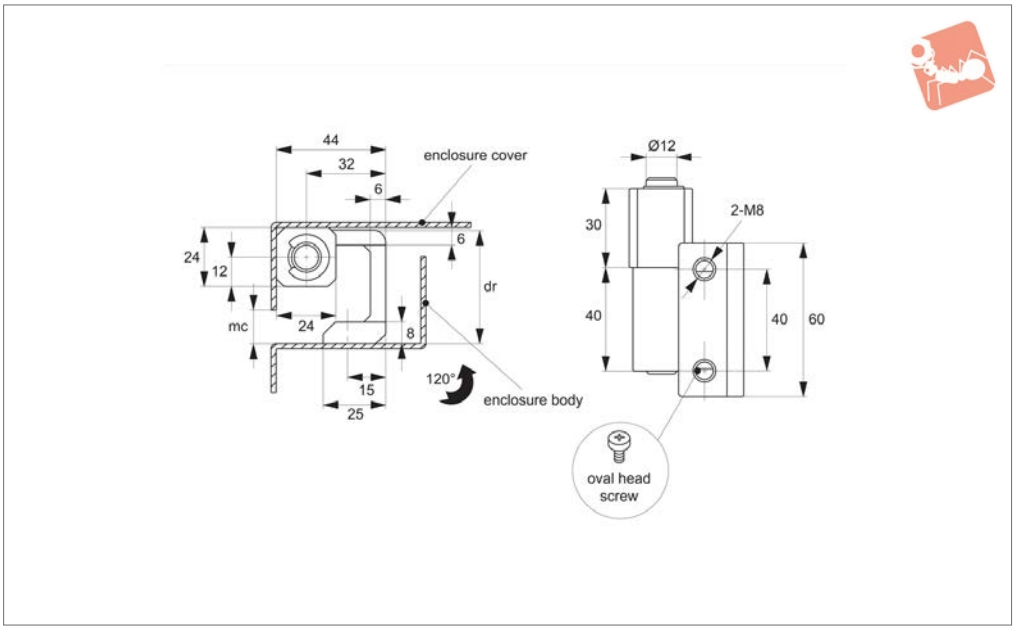
Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2170.AW0021	21	50 x 26 x 21	200	160	4	2.5



Concealed Pivot Hinges - Lift Off

45mm door return - weld and locking screw

S2172



Material

Hinge: stainless steel, white zinc plated.

Technical Notes

Suited to sheet metal and machine enclosures with a 45mm door return. Main body mounted via two M8 screws, hinge plate welded to frame.
Opening angle: 120°.

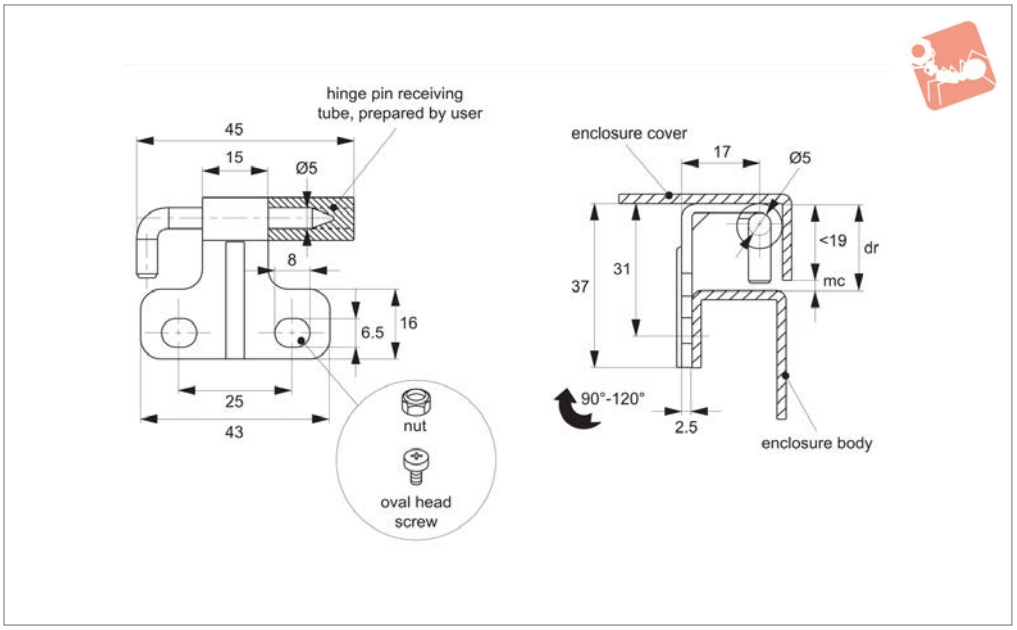
Important Notes

dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of enclosure cover.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2172.AW0046	45	60 x 44 x 45,5	2000	1500	10	2.5

Concealed Pivot Hinges - Lift Off

21mm door return - weld and oval head screw - steel



S2176

Material

Hinge: steel, black powder coated.
Pin: steel, white zinc plated.

Technical Notes

Suited to sheet metal and machine enclosures with a 21mm door return. Main body mounted via two M6 screws, hinge plate welded to frame (copper plated for improved welding).
Opening angle: 120°.

Important Notes

Female hinge installation requires user to prepare a welded tube to receive pin: min. dia. 5mm.

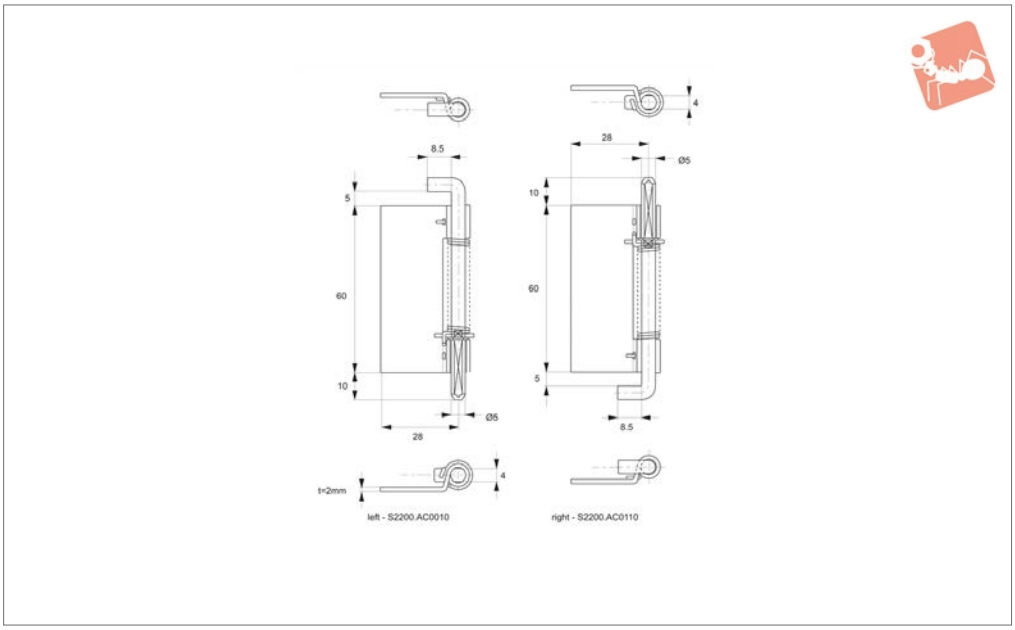
dr= Maximum door return suitable for use with hinge.
mc= Minimum clearance advised between enclosure cover and body to ensure smooth, full opening of elclosure cover.

Order No.	Door return	Size	F_x N	F_y N	mc min.	ts panel thickness
S2176.AW0021	21	43 x 19,5 x 21	360	105	2	2

End Mount Concealed Pivot Hinge

spring loaded - weld-on - stainless steel

S2200

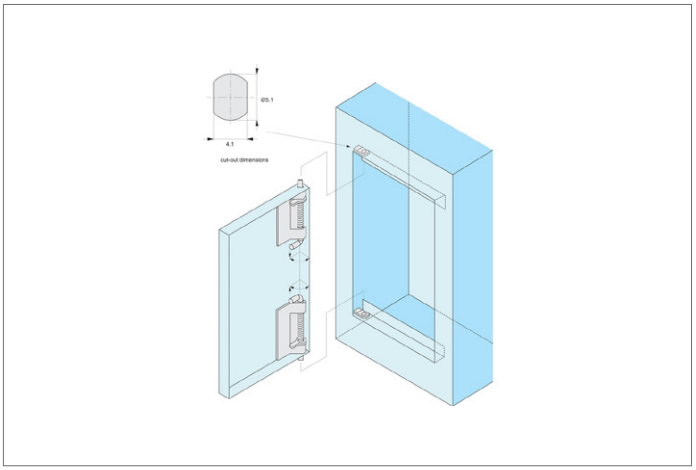


Material
Stainless steel, AISI 304.

Technical Notes
Spring loaded for self-closing.

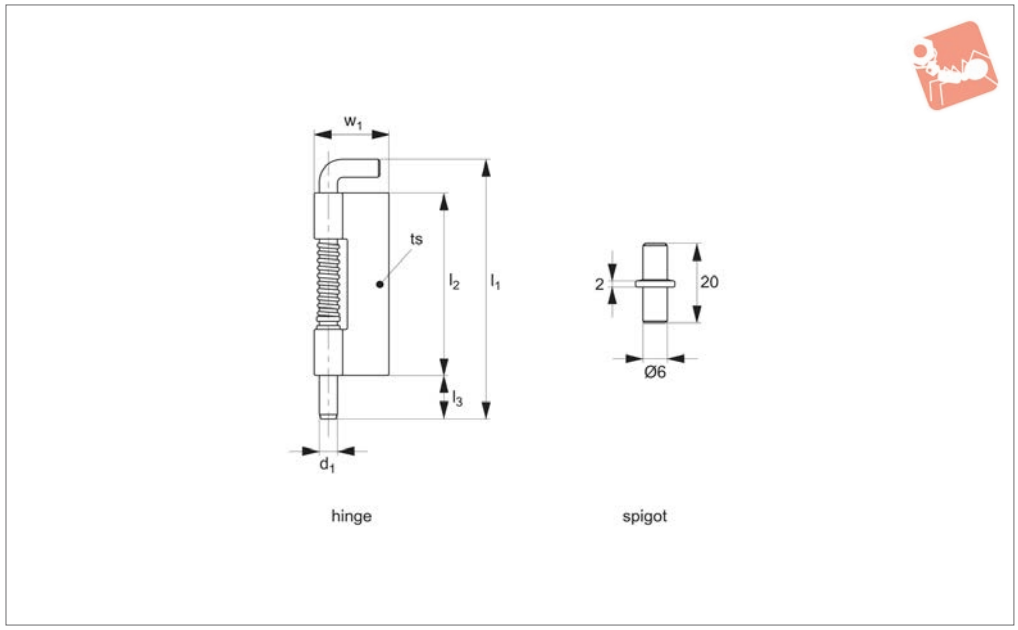
Lift pin for easy installation and removal.
Torsion moment (hinge closed): 0.76kgf/cm per piece.
Max. opening angle 100°.

Order No.	Type	Weight g
S2200.AC0010	Left	38
S2200.AC0110	Right	38



End Mount Concealed Pivot Hinge

spring loaded - weld-on - steel



S2202

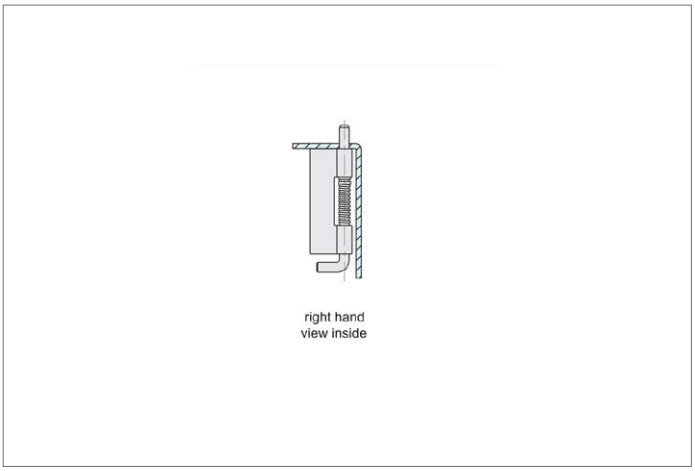
Material
Body: steel, white zinc plated.

Technical Notes
For sheet metal doors, cabinets and machinery covers. Spring body can be either welded, or screw mounted.
Pull back pin lever, hinge pin is retracted. Release pin lever and hinge pin springs back.
Max. opening angle 110°.

Tips
Spring loaded feature of hinge enables easy assembly and disassembly of panel/door, ideal for maintenance covers.
Typical assembly utilises spring loaded hinge at top of door and corresponding hinge spigot at foot of door.

Important Notes
Accessory (optional) this accessory is used as an alternative to the hinge with pin, usually fitted at the bottom of the door as load-bearing fixing door.

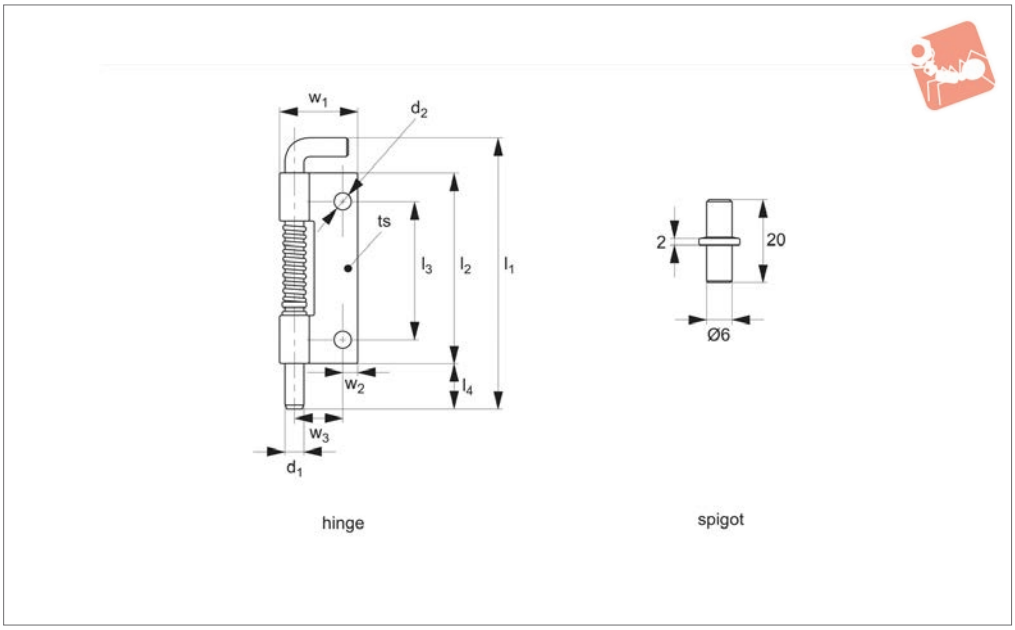
Order No.	Type	l_1	w_1	d_1	F_x N	F_y N	l_2	l_3	ts
S2202.AW0063	Left	89	26.4	6	150	200	62.5	15	2
S2202.AW0163	Right	89	26.4	6	150	200	62.5	15	2



End Mount Concealed Pivot Hinge

spring loaded - screw or weld-on - steel

S2205



Material

Body: steel, zinc plated.

Technical Notes

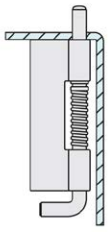
For sheet metal doors, cabinets and machinery covers. Spring body can be either welded, or screw mounted.

Pull back pin lever, hinge pin is retracted. Release pin lever and hinge pin springs back.
Max. opening angle 110°.

Tips

Spring loaded feature of hinge enables easy assembly and disassembly of panel/door, ideal for maintenance covers. Typical assembly utilises spring loaded hinge at top of door and corresponding hinge spigot at foot of door.

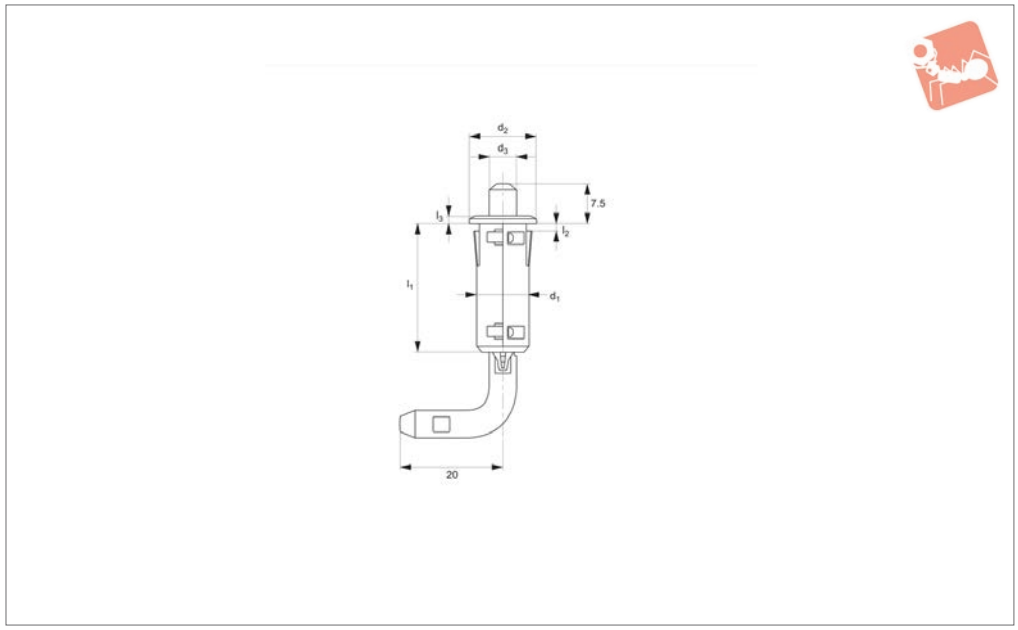
Order No.	Hand	l_1	w_1	d_1	d_2	F_x N	F_y N	l_2	l_3	l_4	w_2	w_3	ts
S2205.AW0032	Left	52	16.5	4	3.2	150	200	32.0	19	10	5	8.5	2
S2205.AW0132	Right	52	16.5	4	3.2	100	130	32.0	19	10	5	8.5	2
S2205.AW0063	Left	89	26.5	6	5.5	150	200	62.5	45	15	6	15.2	2
S2205.AW0163	Right	89	26.5	6	5.5	150	200	62.5	45	15	6	15.2	2



right hand
view inside

End Mount Concealed Pivot Hinge

spring loaded - snap fit - polyamide



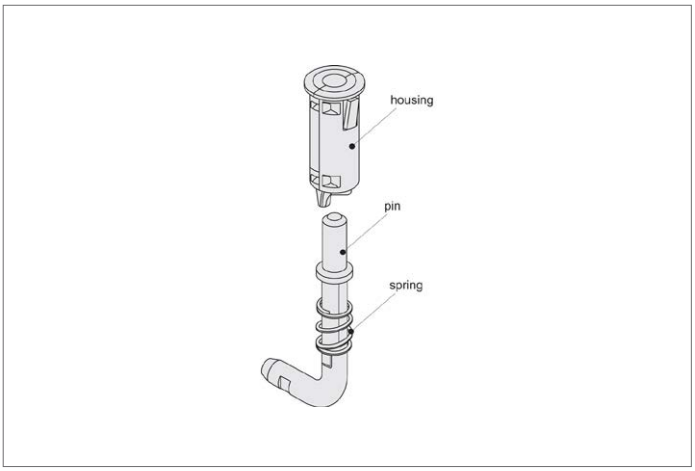
S2212

Material
Body: polyamide, black PA 6 GRF30.
Pin: stainless steel.
Latch: die cast zinc, white zinc plated.

Technical Notes
For sheet metal doors, cabinets and machinery covers. Clip fix for easy assembly. Pull back pin lever, hinge pin is retracted. Release pin lever and hinge pin springs back. Opening angle 180°.

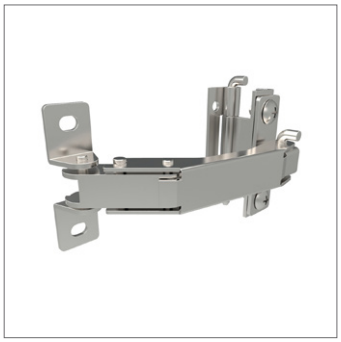
Tips
Spring loaded feature of hinge enables easy assembly and disassembly of panel/door, ideal for maintenance covers. Max. opening angle 110°.

Order No.	l_1	d_1	d_2	d_3	l_2	l_3
S2212.AW0005	24.5	10	13	5	7.5	1.5

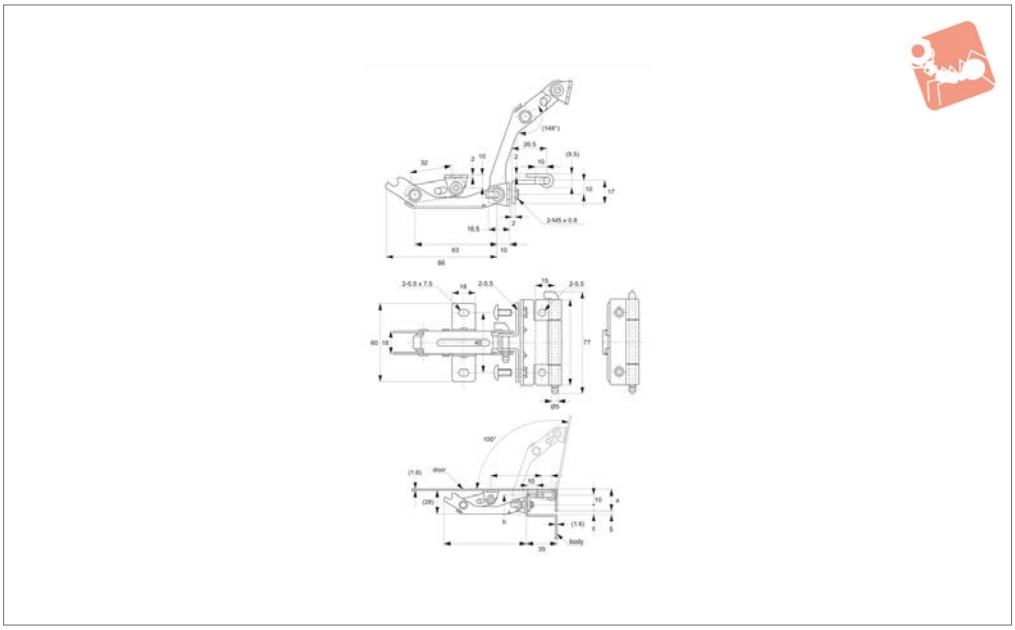


Concealed Pivot Hinges - Integral Stay

screw mount - stainless steel



S2250



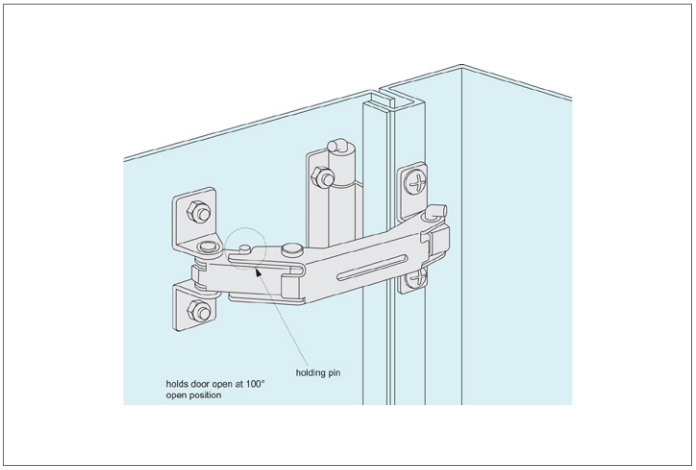
Material
Stainless steel, AISI 304.

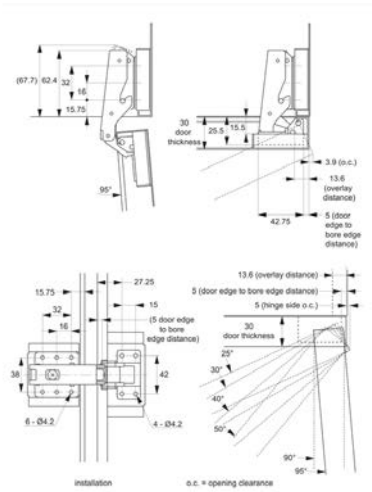
Technical Notes
Combined hinge and stay easily installed/ removed via installation pin. Ideal for removal of machine/equipment covers for maintenance.

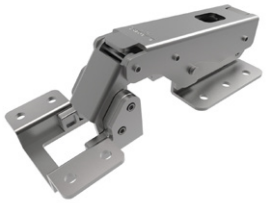
Tips
Particularly suited to gaming industry. Nature of hinges movement enables machine cover and body to be fully sealed to prohibit tampering or interference.

Important Notes
Suitable for doors up to10Kg (as pair). Holding force: 30kgf/cm each.

Order No.	Type	Weight g
S2250.AC0010	Stainless Steel	190







S2260

Material
Steel, nickel plated.

Technical Notes
Snap-on feature allows easy installation and removal of door panel, especially suitable for maintenance. Max. opening angle 95°.

Tips
Hinge enables opening of doors without interference with side panels and hence ideal where two doors are mounted close together.

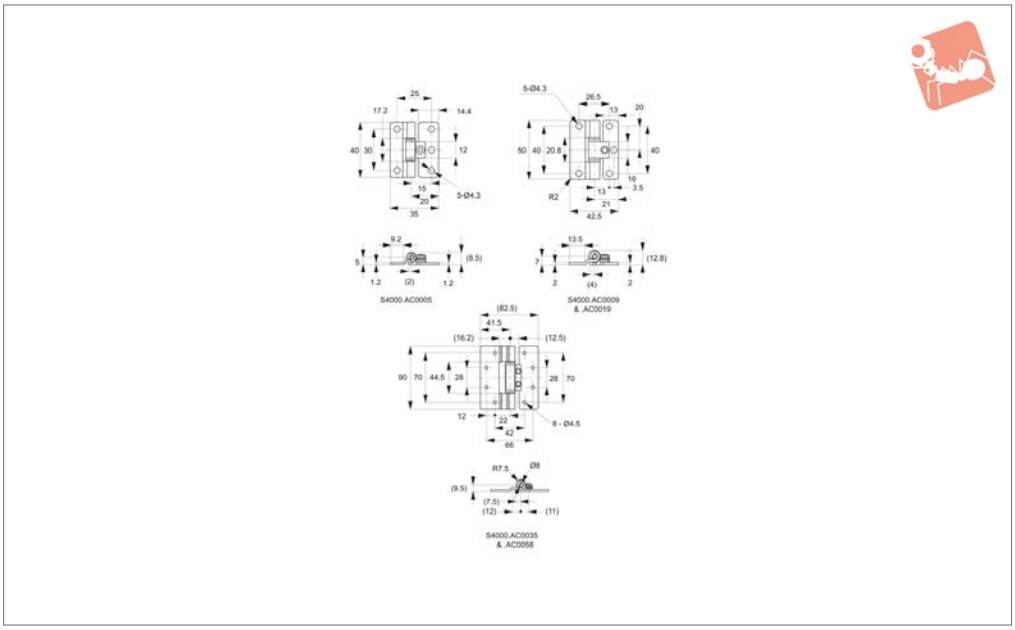
Important Notes
When correctly installed hinges require only a 3.9mm opening clearance between units.

Order No.	Type	Weight g
S2260.AC0010	Hinge	138
S2260.AC0050	Mounting Plate	81

Constant Torque - Friction Hinge

screw mount - stainless steel

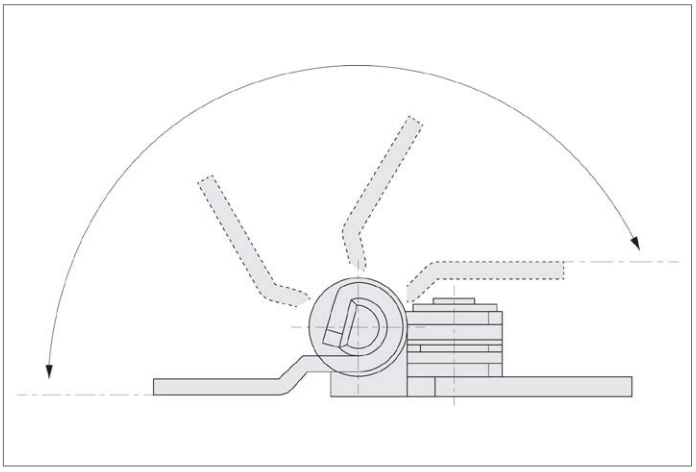
S4000



Material
Body: stainless steel, AISI 304, polished.
Shaft: Stainless steel, AISI 303, polished.

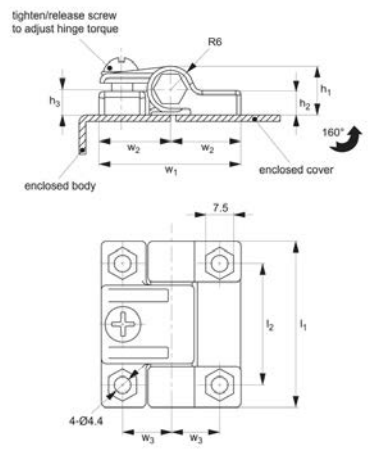
Technical Notes
Friction torque hinge designed for holding lid/door in position. Stainless steel construction for corrosive environments.
Operating temperature: -20°C to +60°C.

Order No.	Torque kgf/cm ±1	Weight g
S4000.AC0005	5	21
S4000.AC0009	9	51
S4000.AC0019	19	51
S4000.AC0035	35	195
S4000.AC0058	58	195



Adjustable Torque - Friction Hinge

polyamide - screw mount - plastic



S4002

Material
Body: polyamide, black finish.
Shaft: PC.
Supplied with: Fixing nuts and bolts.

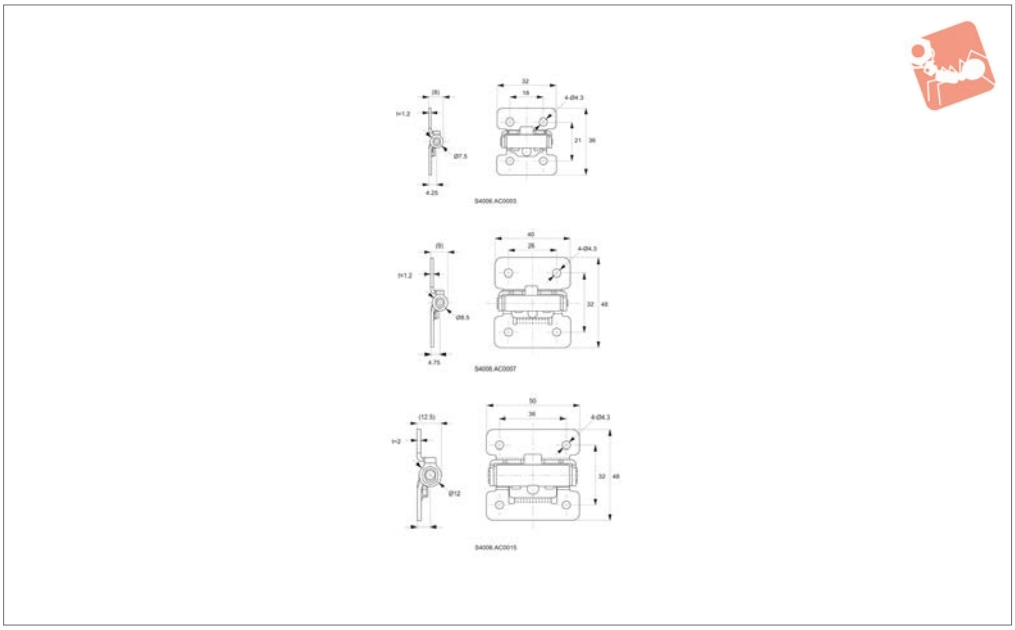
Technical Notes
Opening angle 160°. Hinge torque adjusted by screw. Provides position control. Suitable for left hand and right hand application.

Order No.	Torque kgf/cm max. | ±1	h_1	h_2	h_3	l_1	l_2	w_1	w_2	w_3
S4002.AW0043	8	12.5	6	6.5	43	13.5	36	18	12.5

Constant Torque - Friction Torque

screw mount - stainless steel

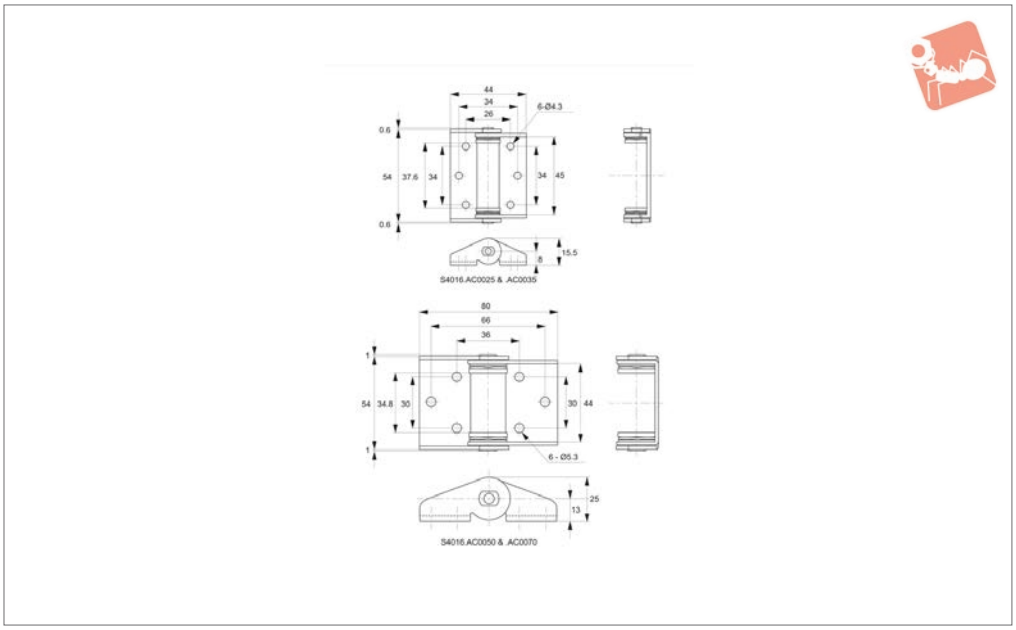
S4006



Material
Body: stainless steel, AISI 304. Fixing tube: polyacetal.

Technical Notes
Friction torque hinge holds lids/covers over free stop angle between 0 - 180°.

Order No.	Torque/pair kgf/cm +40%|-20%	Free stop angle
S4006.AC0003	3.5	0 - 180°
S4006.AC0007	7.0	0 - 180°
S4006.AC0015	15.0	0 - 180°



S4016

Material
Body: stainless steel, AISI 304, polished.
Shaft: stainless steel, AISI 303.
Washer: phosphor bronze.
Spring washer: steel.

Technical Notes
Friction torque hinge designed for holding monitors, displays etc in position.

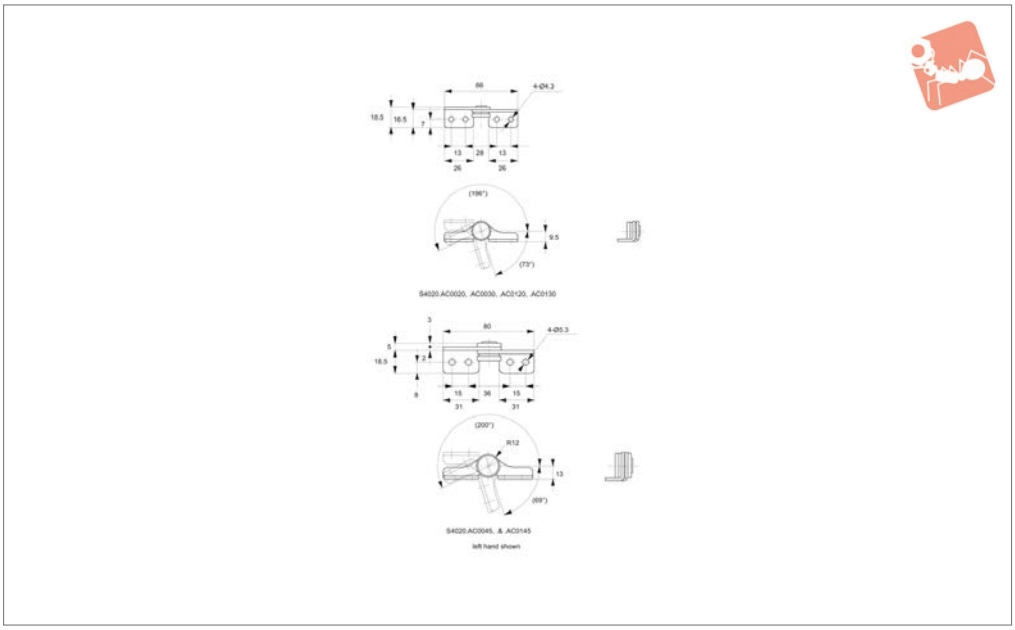
Important Notes
Applicable torque range 180°. Tested to 20,000 cycles, based on movement within a 45° range of movement. Temperature range -10 to +50°C.

Order No.	Torque kgf/cm ±20%	Weight g
S4016.AC0025	25	50
S4016.AC0035	35	50
S4016.AC0050	50	130
S4016.AC0070	70	130

Constant Torque - Friction Hinges

screw mount - stainless

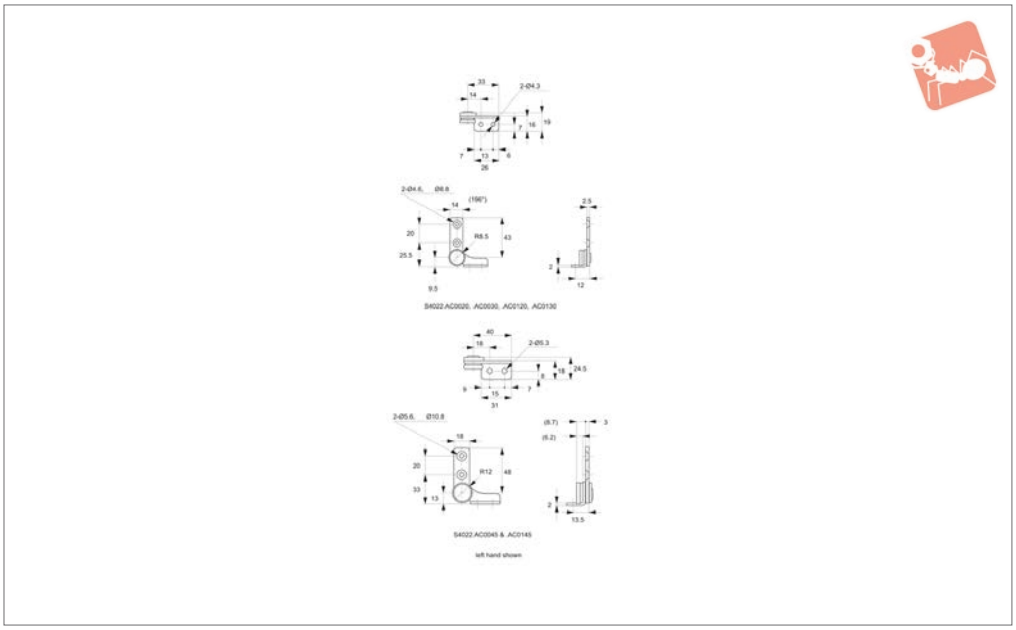
S4020



Material
Body: stainless steel, AISI 430.

Technical Notes
Friction torque hinge ideal for mounting of monitors, monitoring cameras, screens and displays. Consistent torque throughout free stop angle.

Order No.	Torque kgf/cm ±20%	Hand	Friction free stop angle	Weight g
S4020.AC0020	20.4	right	0-140°	30
S4020.AC0120	20.4	left	0-140°	30
S4020.AC0030	30.6	right	0-140°	30
S4020.AC0130	30.6	left	0-140°	30
S4020.AC0045	45.9	right	0-140°	65
S4020.AC0145	45.9	left	0-140°	65

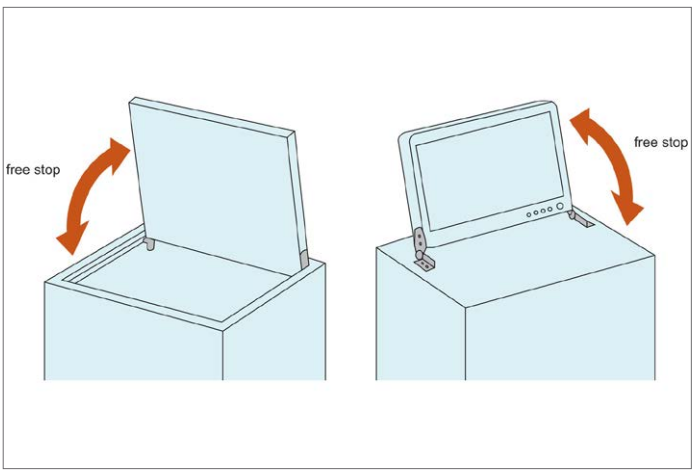


S4022

Material
Body: stainless steel, AISI 430.

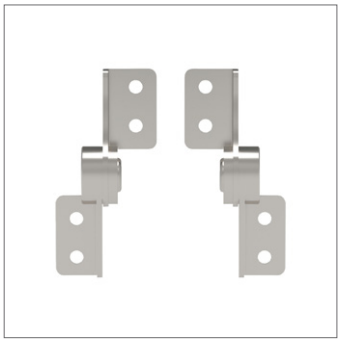
Technical Notes
Friction torque hinge ideal for mounting of monitors, monitoring cameras, screens and displays. Consistent torque throughout free stop angle.

Order No.	Torque kgf/cm ±20%	Hand	Opening angle °	Weight g
S4022.AC0010	7.1	right	360°	31
S4022.AC0020	20.4	right	360°	30
S4022.AC0030	30.6	right	360°	30
S4022.AC0045	45.9	right	360°	65
S4022.AC0110	7.1	left	360°	31
S4022.AC0120	20.4	left	360°	30
S4022.AC0130	30.6	left	360°	30
S4022.AC0145	45.9	left	360°	65

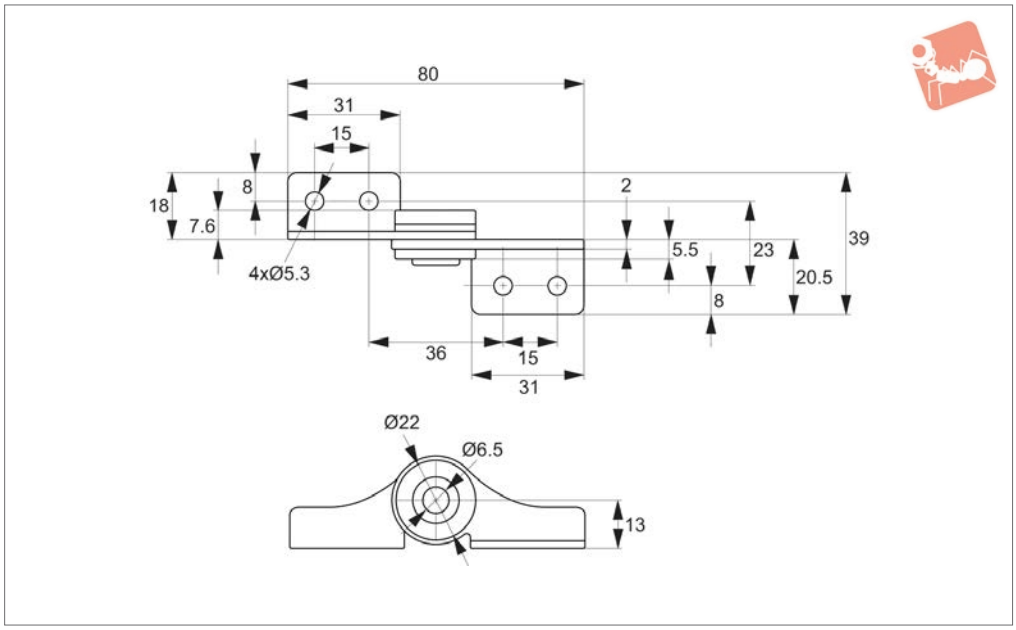


Constant Torque - Friction Torque

Friction Torque Hinges



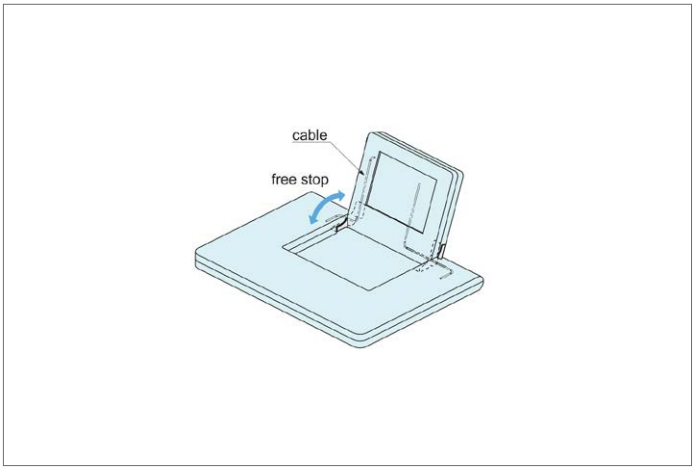
S4024

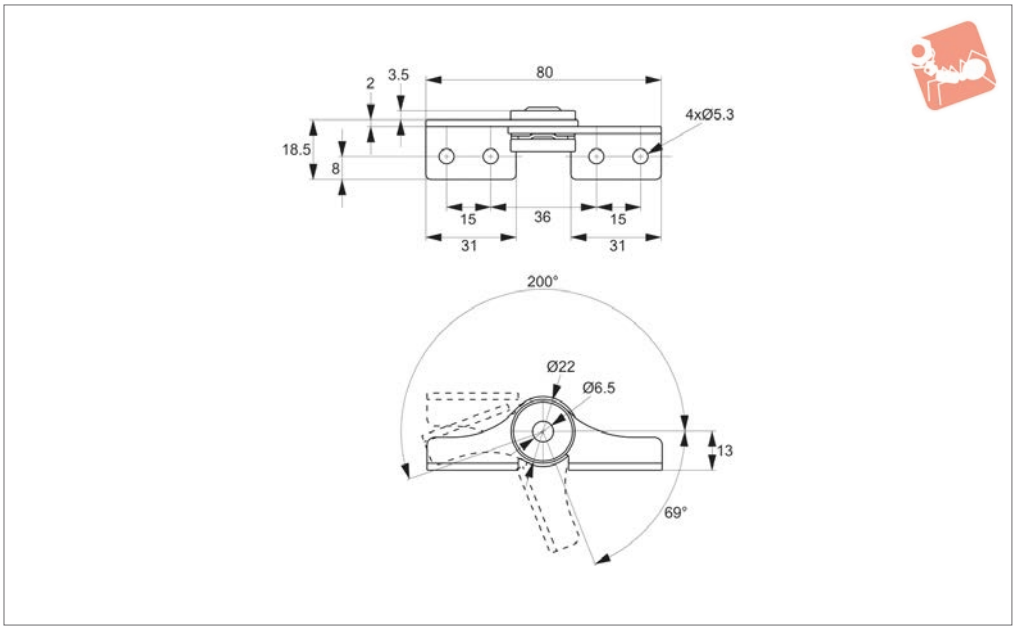


Material
Bracket and Base- 430 Stainless, Plate-steel, Shaft and washer- 303 and 430 stainless steel.

Technical Notes
Hole in shaft allows easy cable management. Ideal for the holder of LCD and monitoring camera. Successfull Passed for the 50,000 open/close private cycle test.
Operating temperature: 0°C- 40°cC.
For pair using: Use the same torque moment in both hinges.
Torque moment per piece is 4.5 Nm ±20%.

Order No.	Type	Weight g
S4024.AC0010	Right/Wiring Hole	60
S4024.AC0020	Left/Wiring Hole	60





S4026

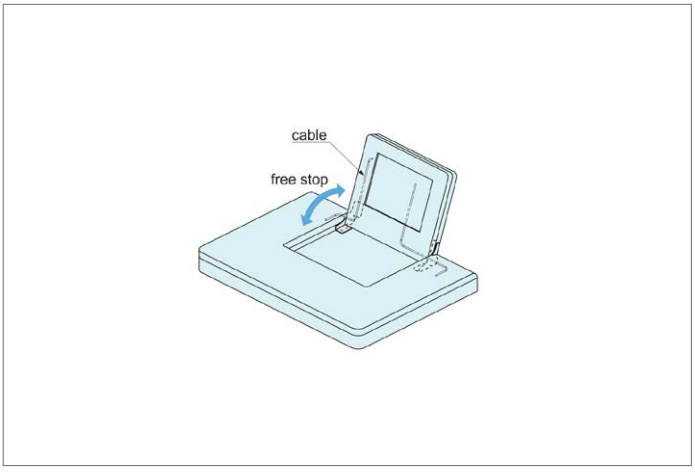
Material
Bracket and Base- 430 Stainless, Plate-steel, Shaft and washer- 303 and 430 stainless steel.

Technical Notes
Hole in shaft allows easy cable management. Ideal for the holder of LCD and monitoring camera. Successfull Passed for the 50,000 open/close private cycle test. Torque moment per piece is 4.5 Nm ±20%.

Tips
Operating temperature: 0°C- 40°cC.

For pair using: Use the same torque moment in both hinges.

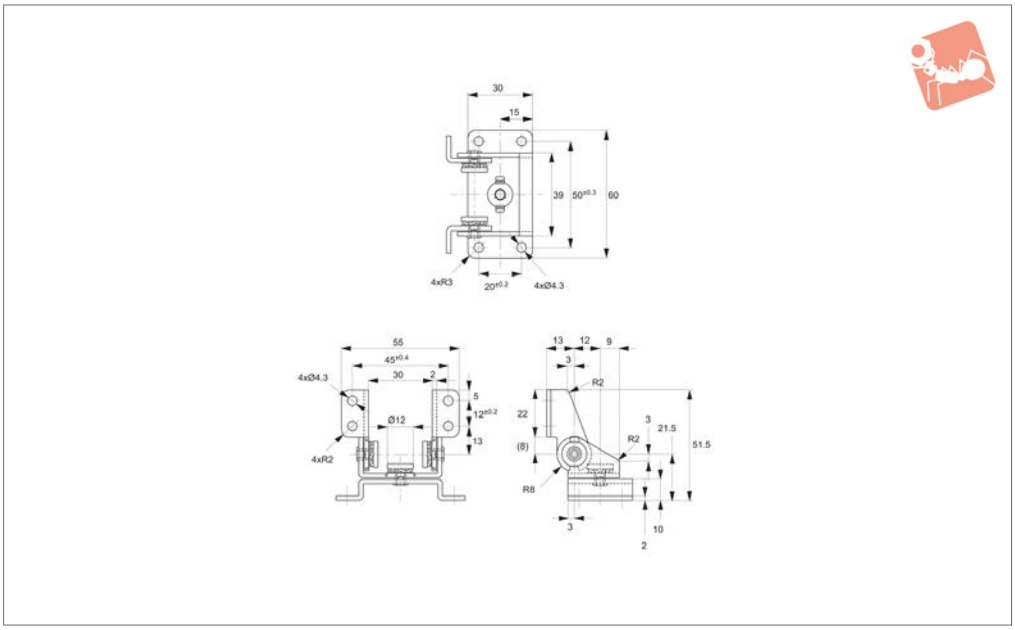
Order No.	Type	Weight g
S4026.AC0010	Right/Wiring Hole	60
S4026.AC0020	Left/Wiring Hole	60



Constant Torque - Dual Axis Friction

screw mount - stainless steel

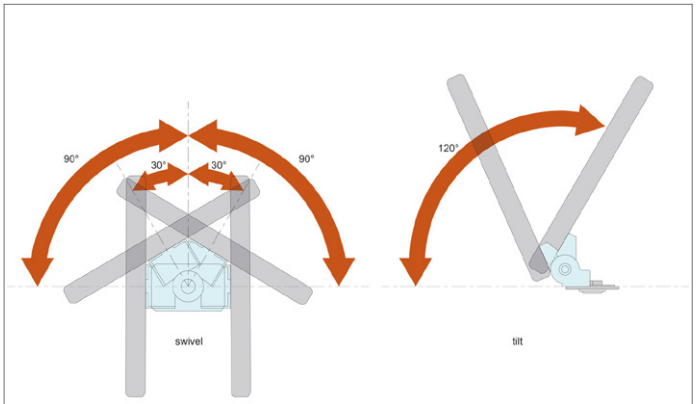
S4030



Material
Body and base: stainless steel, AISI 430.

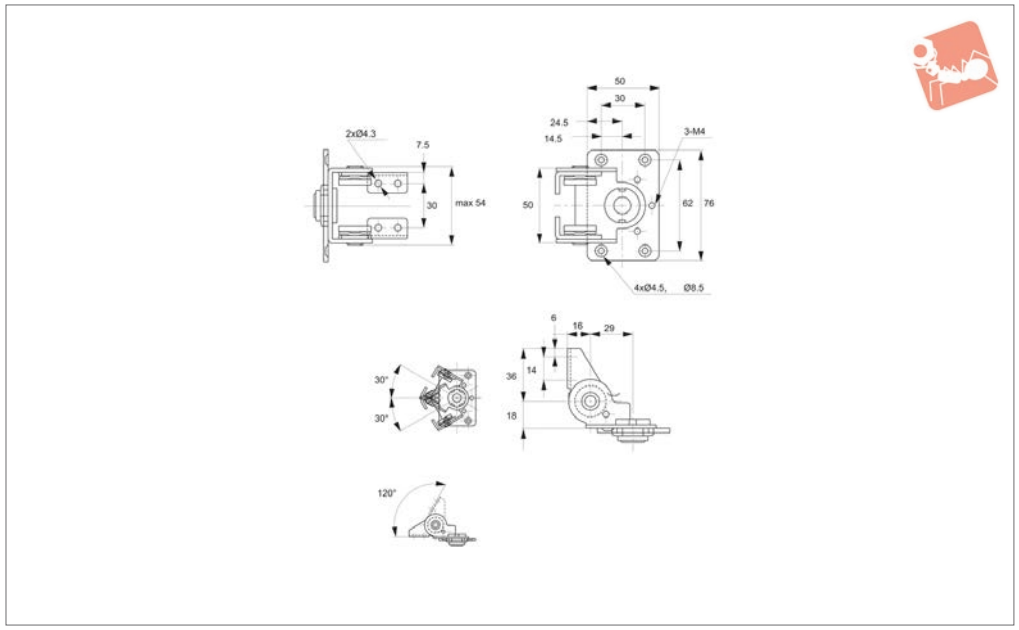
Technical Notes
Dual axis torque hinge with stability in both axis. Ideal for mounting of monitor screens. Angle of swivel axis can be limited via use of pin/screw (not supplied).

Order No.	Swivel angle	Swivelling torque kgf/cm ±20%	Tilting angle	Tilting torque kgf/cm ±20%
S4030.AC0030	30°/90°	15	120°	30



Constant Torque Hinge

dual axis fringe - screw mount - stainless



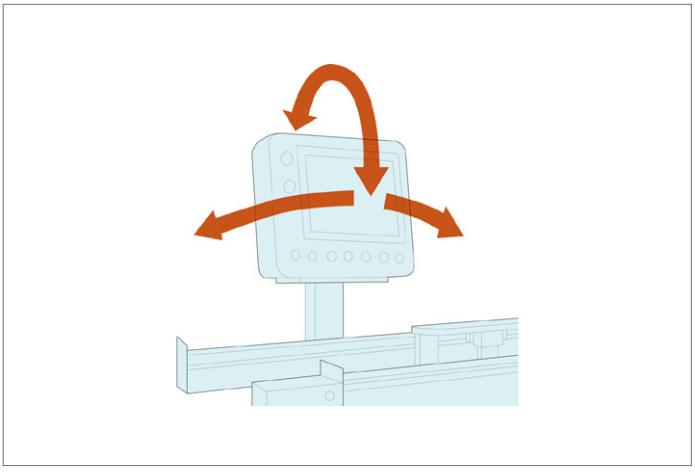
S4032

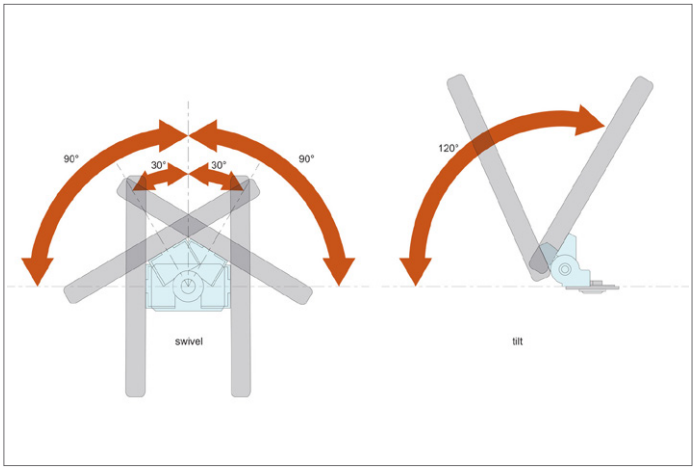
HINGES

Material
Body and base: stainless steel, AISI 430.

Technical Notes
Dual axis torque hinge with stability in both axis. Ideal for mounting of monitor screens. Angle of swivel axis can be limited via use of pin/screw (not supplied).

Order No.	Swivel angle	Swivelling torque kgf/cm ±20%	Tilting angle	Tilting torque kgf/cm ±15%
S4032.AC0030	30°/90°	30.5	120°	71.5

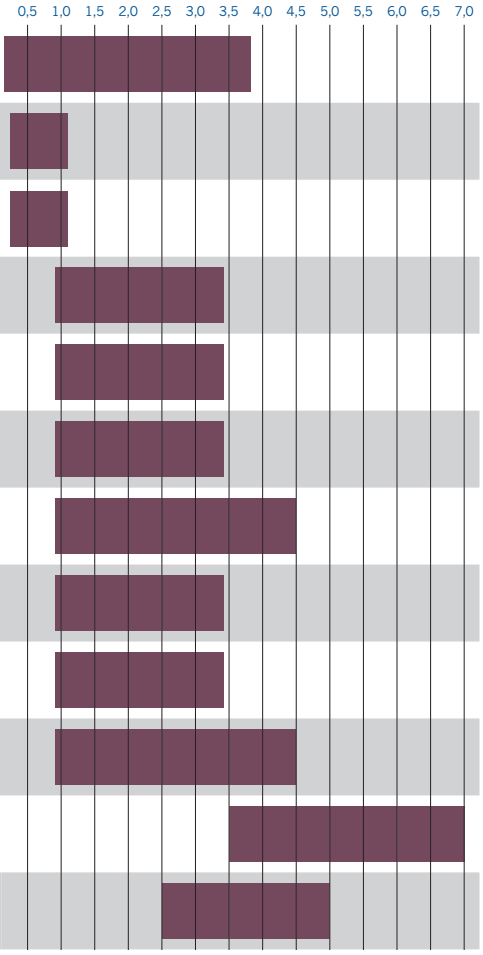




Torque and Positioning Hinges

Table of constant torque ranges

	Part no.	Torque type	Shaft Rotation	Torque Nm
	S3810	Symmetric	360°	0,05 to 3,80
	S3820	Symmetric/ Asymmetric	360°	0,2 to 1,1
	S3824	Symmetric/ Asymmetric	360°	0,2 to 1,1
	S3830	Symmetric/ Asymmetric	270°	0,9 to 3,4
	S3834	Symmetric/ Asymmetric	270°	0,9 to 3,4
	S3840	Symmetric/ Asymmetric	270°	0,9 to 3,4
	S3844	Symmetric/ Asymmetric	270°	0,9 to 4,5
	S3850	Symmetric/ Asymmetric	270°	0,9 to 3,4
	S3852	Symmetric/ Asymmetric	270°	0,9 to 3,4
	S3854	Symmetric/ Asymmetric	270°	0,9 to 4,5
	S3860	Symmetric	270°	3,5 to 7,0
	S3870	Symmetric	90° and 360°	2,5 to 5,0

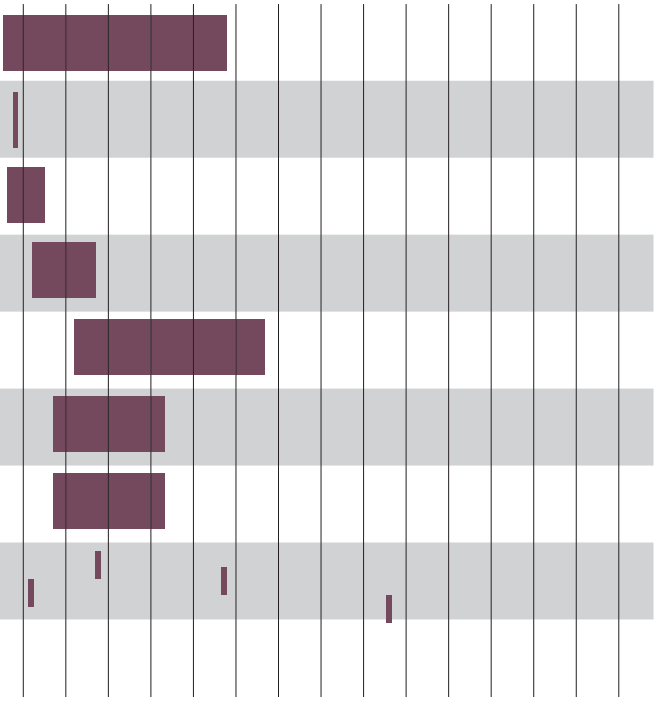


Constant Torque Hinges S4000-S4032 Operating Principle

Wixroyd Constant Torque Hinges rely only on mechanical friction to achieve a stable torque. A range of different friction hinges are available to best suit your application.

Table of constant torque ranges

	Part no.	Torque Kgf.cm
	S4000	5 - 57.5
	S4002	8
	S4006	3.5 - 15.3
	S4010	15 - 30
	S4016	25 - 70
	S4020	20 - 45.8
	S4022	20 - 45.8
	S4030	Tilting: 30.5 Swivelling: 15
	S4032	Tilting: 71.5 Swivelling: 30.5



Wixroyd AN ESSENTRA COMPANY

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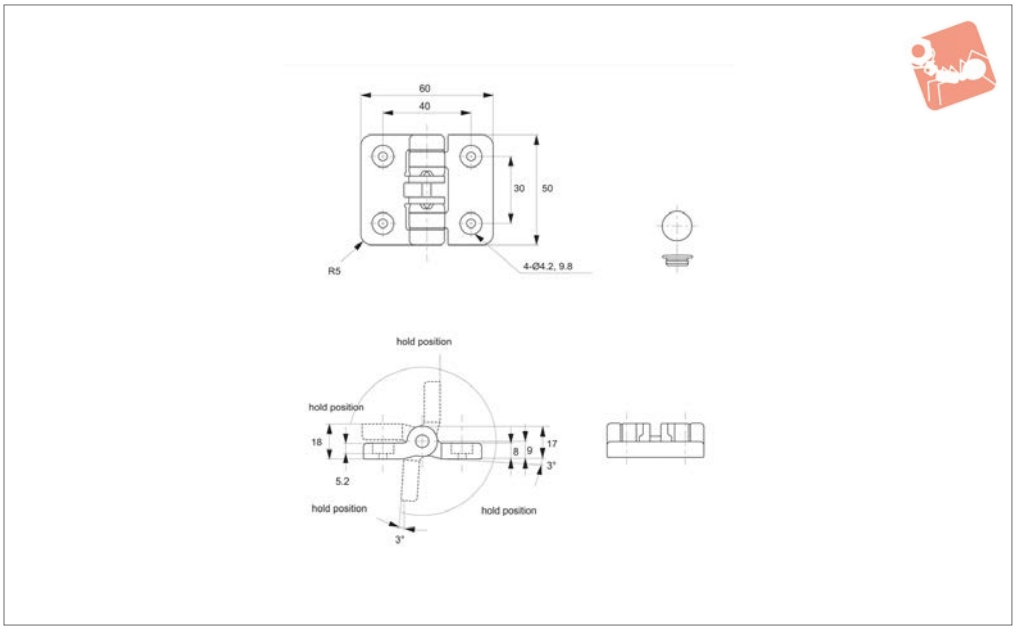
Detent Positioning Hinges

screw mount - plastic



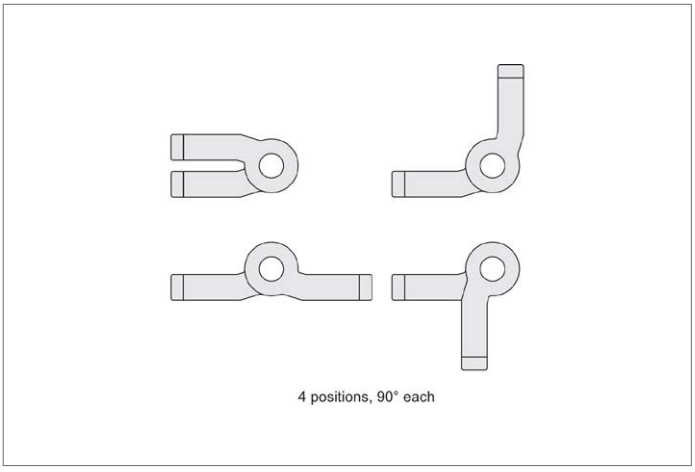
S4100

Material
Body: polyacetal.
Caps: polypropylene.
Pin: AISI 304 stainless steel.

Technical Notes
Holds doors open at 4x90° positions without secondary mechanical support.
Holding force approx. 5Kgf.cm.

Tips
Suitable for medical, food processing and factory automation machines.

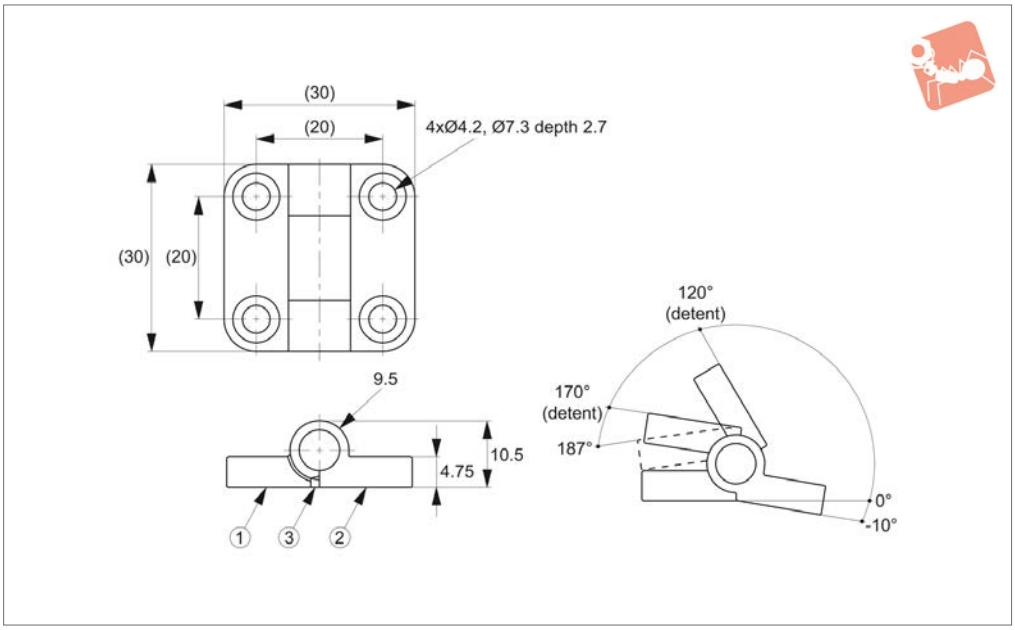
Order No.	Colour	Weight g
S4100.AC0010	Ivory	30
S4100.AC0020	Black	30



Mini Detent Hinge

screw mount - plastic

S4102



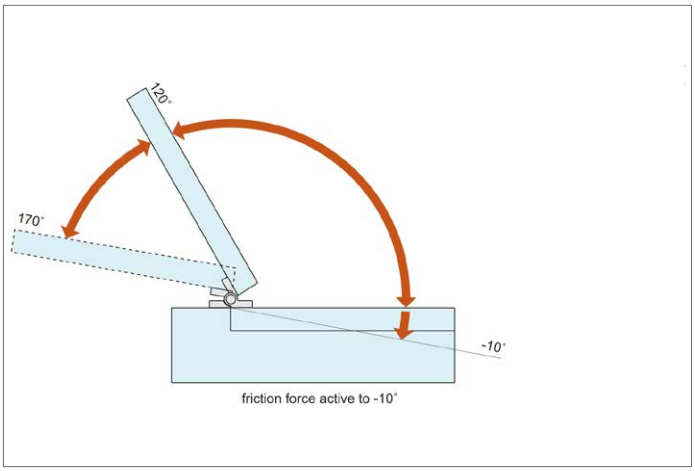
Technical Notes

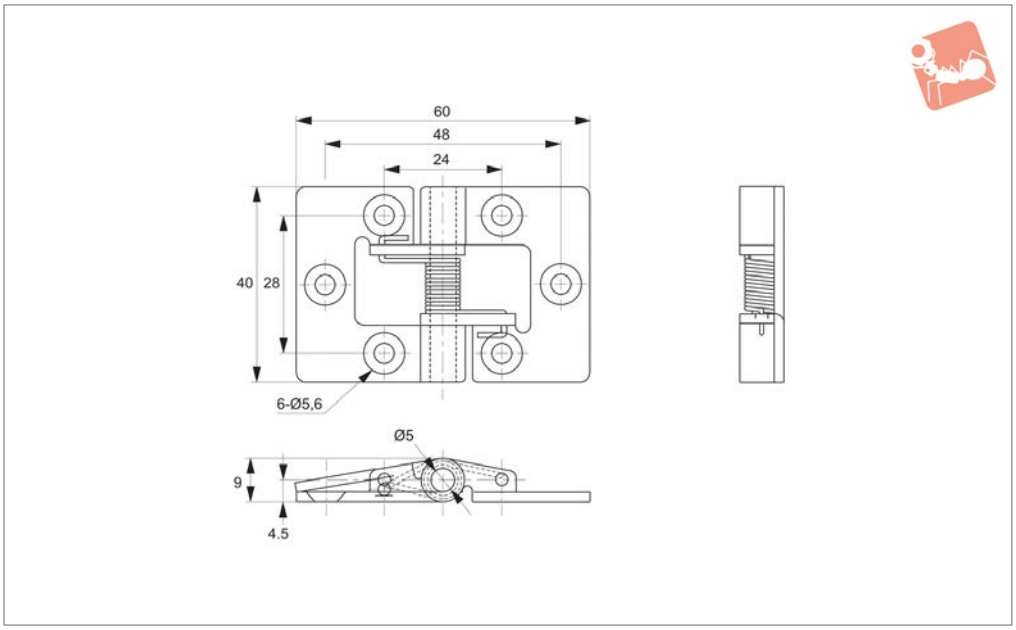
Plastic hinge holds doors at 3 different positions without secondary support (-10°, 120° and 170°). Can be used horizontally or vertically. Additional stopper is recommended at 0° and 170°. Successfully passed for the 40,000 open/close private cycle test.

Tips

Recommended screw: Pan wood screw M4.

Order No.	Colour	Weight g
S4102.AW0010	Black	8
S4102.AW0020	White	8



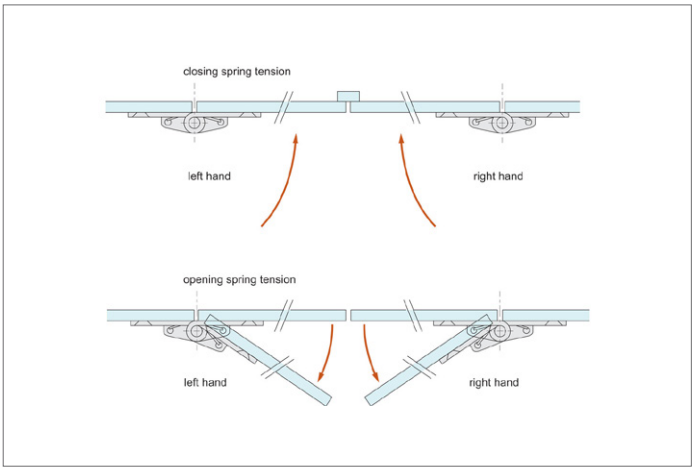


S4200

Material
Stainless steel, AISI 304, polished finish.

Technical Notes
Two spring tension types available; opening type - spring works to keep door/panel open; closing type - spring works to close the door/panel.

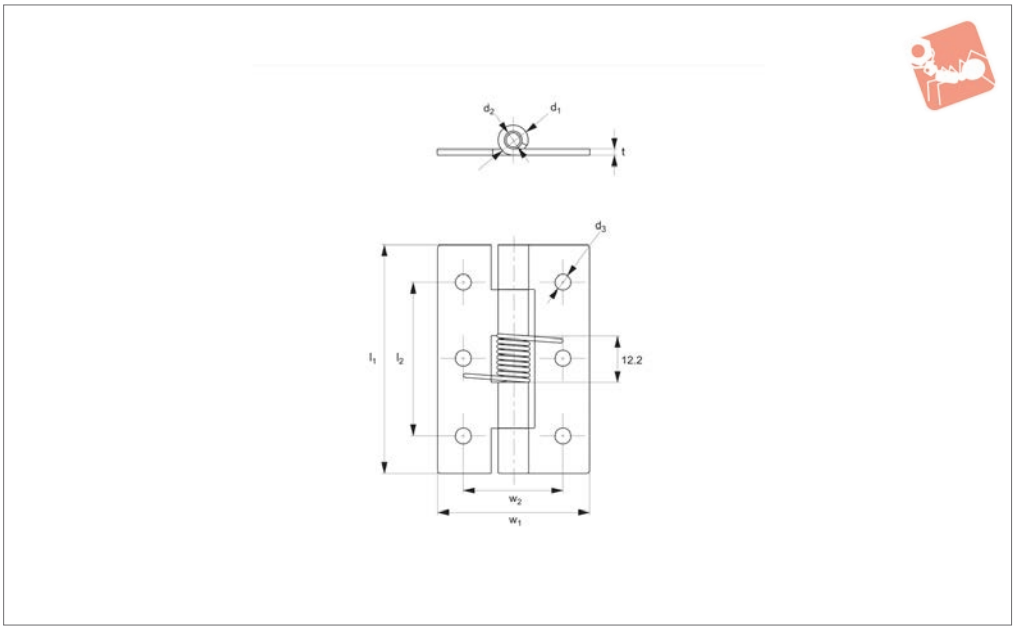
Order No.	Spring tension	Hand	Weight g
S4200.AC0010	Closing	Left	41
S4200.AC0110	Opening	Left	41
S4200.AC0020	Closing	Right	41
S4200.AC0120	Opening	Right	41



Spring Hinges

screw mount - stainless steel

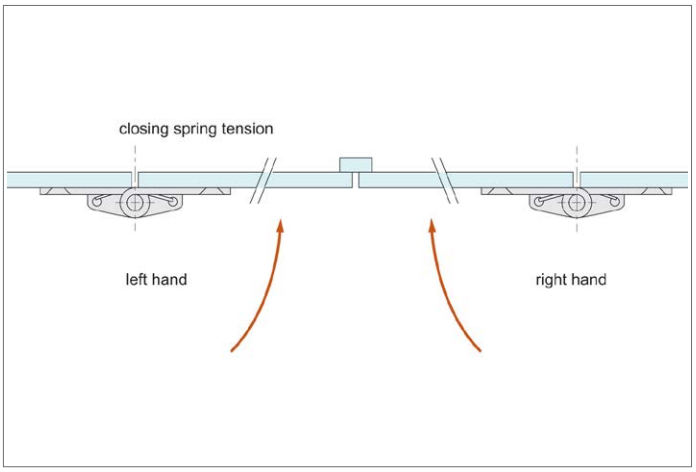
S4202

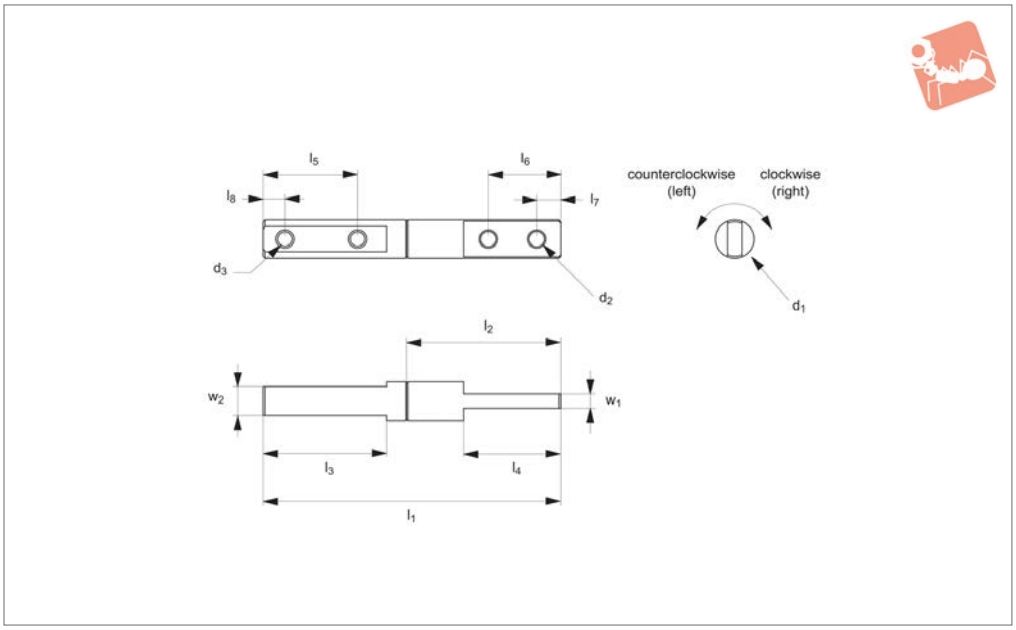


Material
Stainless steel, AISI 304, plain finish.

Technical Notes
Spring tension in this hinge is designed to keep doors closed.

Order No.	Spring load kg	Spring tension	l_1	l_2	t	w_1	w_2	d_1	d_2	d_3	Weight g
S4202.AC0020	0.50	Closing	20	-	0.5	14	-	2.2	1	-	5
S4202.AC0025	0.55	Closing	25	14	1.2	32	20	5.8	3	3.2	10
S4202.AC0038	1.20	Closing	38	26	1.5	32	20	6.5	3	3.2	20
S4202.AC0051	0.80	Closing	51	32	1.5	38	25	6.5	3	3.2	35





S3810

Material
Steel with nickel plating finish.

Technical Notes
Tested to 10,000 cycles with static torque value remaining within +/- 25%. (Note; S3810.AC0003 and .AC0004 to within +/- 35%). 360° shaft rotation.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions.
CW= clockwise.
CCW= counterclockwise.

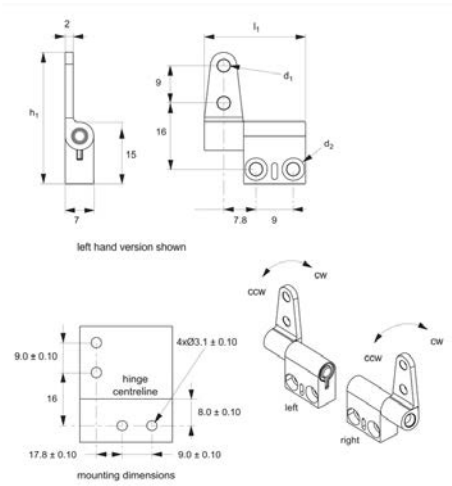
Order No.	Dia. size	Torque CW Nm	Torque CCW Nm	Shaft rotation	Torque type	d_1	d_2	d_3
S3810.AC0003	3	0.05	0.05	360°	Symmetric	3	-	-
S3810.AC0004	4	0.13	0.13	360°	Symmetric	4	2.2	2.2
S3810.AC0005	5	0.40	0.40	360°	Symmetric	5	2.6	2.6
S3810.AC0006	6	0.50	0.50	360°	Symmetric	6	3.2	3.2
S3810.AC0007	7	0.60	0.60	360°	Symmetric	7	3.7	3.7
S3810.AC0008	8	0.50	0.50	360°	Symmetric	8	3.2	3.2
S3810.AC0009	8	0.80	0.80	360°	Symmetric	8	3.2	3.2
S3810.AC0010	10	1.00	1.00	360°	Symmetric	10	4.3	4.3

Order No.	l_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8	w_1	w_2
S3810.AC0003	27.0	9.2	8.0	8.0	-	-	-	-	1.5	-
S3810.AC0004	33.0	12.2	11.0	11.0	7.5	7.5	3.0	3.0	2.0	-
S3810.AC0005	39.0	15.2	14.0	14.0	10.5	10.5	3.5	3.5	2.0	-
S3810.AC0006	41.0	15.5	14.0	14.0	10.5	10.5	3.5	3.5	2.5	-
S3810.AC0007	47.0	18.0	16.0	16.0	12.0	12.0	4.0	4.0	3.0	-
S3810.AC0008	54.5	31.9	20.1	20.1	15.0	15.0	5.0	5.0	3.0	3.0
S3810.AC0009	54.5	31.9	20.1	20.1	15.0	15.0	5.0	5.0	3.0	3.0
S3810.AC0010	57.2	21.5	20.0	20.0	15.0	15.0	5.0	5.0	4.0	-

Friction Hinges - Symmetric

asymmetric torque - counter bored

S3820



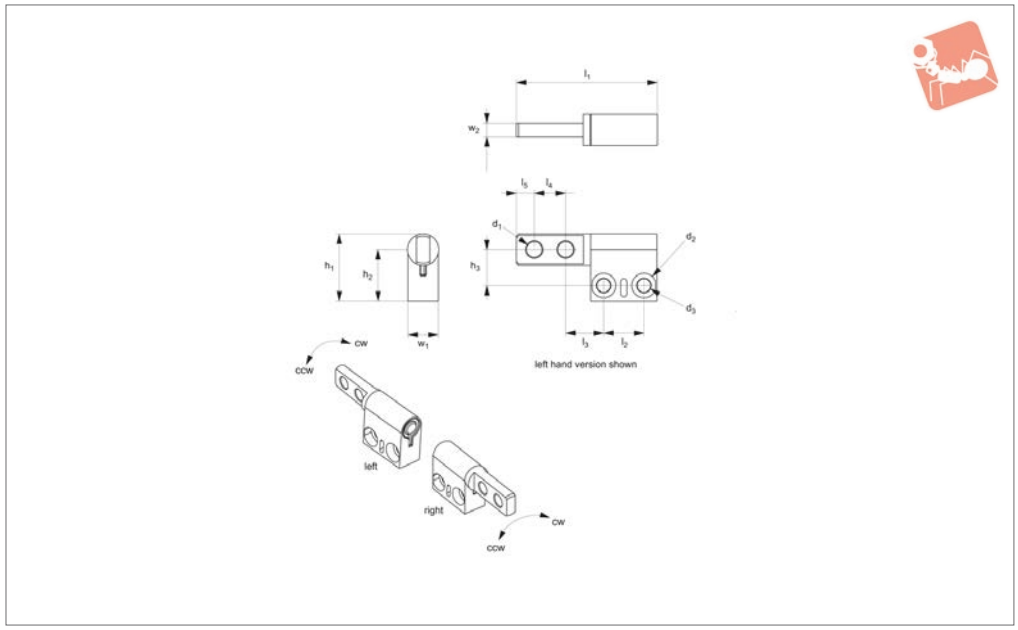
Material
Zinc alloy, steel and grease with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%.

Tips
For mounting and installation information refer to technical diagram.
Also available with black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counter-clockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2	h_1	l_1
S3820.AC0002	0.20	0.20	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1002	0.20	0.20	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0005	0.50	0.50	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1005	0.50	0.50	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0007	0.70	0.70	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1007	0.70	0.70	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0009	0.90	0.90	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1009	0.90	0.90	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0207	0.70	0.40	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1207	0.70	0.40	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0209	0.90	0.55	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1209	0.90	0.55	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0211	1.10	0.70	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1211	1.10	0.70	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0307	0.40	0.70	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1307	0.40	0.70	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0309	0.55	0.90	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1309	0.55	0.90	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0311	0.70	1.10	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1311	0.70	1.10	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52



S3824

Material
Steel and zinc with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%.

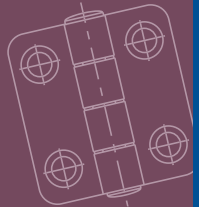
Tips
Also available as black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.

CW= clockwise
CCW= counterclockwise

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3824.AC0002	0.20	0.20	360°	Right	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0005	0.50	0.50	360°	Right	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0007	0.70	0.70	360°	Right	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0009	0.90	0.90	360°	Right	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0207	0.70	0.40	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0209	0.90	0.55	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0211	1.10	0.70	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0307	0.40	0.70	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0309	0.55	0.90	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC0311	0.70	1.10	360°	Right	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1002	0.20	0.20	360°	Left	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1005	0.50	0.50	360°	Left	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1007	0.70	0.70	360°	Left	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1009	0.90	0.90	360°	Left	Symmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1207	0.70	0.40	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1209	0.90	0.55	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1211	1.10	0.70	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1307	0.40	0.70	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1309	0.55	0.90	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.
S3824.AC1311	0.70	1.10	360°	Left	Asymmetric	3.5	Ø5,44x2,54 dpt.

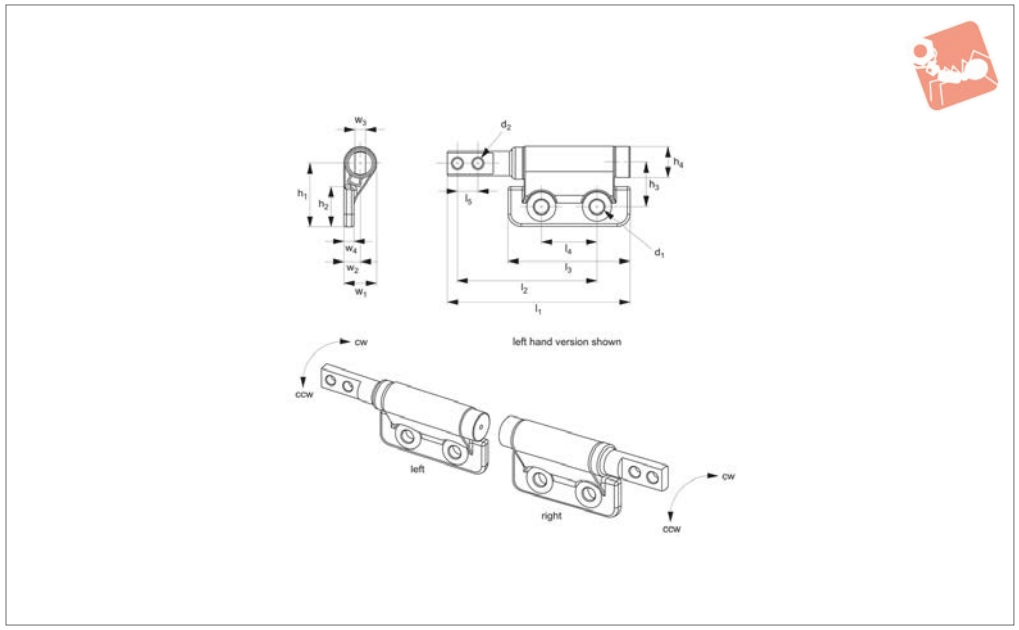
Order No.	d_3	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2
S3824.AC0002	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0005	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0007	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0009	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0207	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0209	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0211	3.05	15	12	8	32	9	9	7	4	7	3



Friction Hinges

symmetric - asymmetric torque - 0,5-1,1 Nm. -

Order No.	d_3	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2
S3824.AC0307	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0309	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC0311	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1002	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1005	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1007	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1009	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1207	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1209	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1211	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1307	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1309	3.05	15	12	8	32	9	9	7	4	7	3
S3824.AC1311	3.05	15	12	8	32	9	9	7	4	7	3



S3830

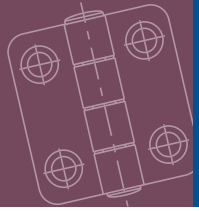
Material
Zinc alloy, steel, grease and o-ring with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips
Also available as black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3830.AC0000	0.0	0.0	270°	Right	Symmetric	5	3.3
S3830.AC0009	0.9	0.9	270°	Right	Symmetric	5	3.3
S3830.AC0014	1.4	1.4	270°	Right	Symmetric	5	3.3
S3830.AC0018	1.8	1.8	270°	Right	Symmetric	5	3.3
S3830.AC0023	2.3	2.3	270°	Right	Symmetric	5	3.3
S3830.AC0027	2.7	2.7	270°	Right	Symmetric	5	3.3
S3830.AC0214	1.4	0.8	270°	Right	Asymmetric	5	3.3
S3830.AC0218	1.8	1.1	270°	Right	Asymmetric	5	3.3
S3830.AC0223	2.3	1.4	270°	Right	Asymmetric	5	3.3
S3830.AC0227	2.7	1.6	270°	Right	Asymmetric	5	3.3
S3830.AC0234	3.4	2.0	270°	Right	Asymmetric	5	3.3
S3830.AC0314	0.8	1.4	270°	Right	Asymmetric	5	3.3
S3830.AC0318	1.1	1.8	270°	Right	Asymmetric	5	3.3
S3830.AC0323	1.4	2.3	270°	Right	Asymmetric	5	3.3
S3830.AC0327	1.6	2.7	270°	Right	Asymmetric	5	3.3
S3830.AC0334	2.0	3.4	270°	Right	Asymmetric	5	3.3
S3830.AC1000	0.0	0.0	270°	Left	Symmetric	5	3.3
S3830.AC1009	0.9	0.9	270°	Left	Symmetric	5	3.3
S3830.AC1014	1.4	1.4	270°	Left	Symmetric	5	3.3
S3830.AC1018	1.8	1.8	270°	Left	Symmetric	5	3.3
S3830.AC1023	2.3	2.3	270°	Left	Symmetric	5	3.3
S3830.AC1027	2.7	2.7	270°	Left	Symmetric	5	3.3
S3830.AC1214	1.4	0.8	270°	Left	Asymmetric	5	3.3
S3830.AC1218	1.8	1.1	270°	Left	Asymmetric	5	3.3
S3830.AC1223	2.3	1.4	270°	Left	Asymmetric	5	3.3
S3830.AC1227	2.7	1.6	270°	Left	Asymmetric	5	3.3
S3830.AC1234	3.4	2.0	270°	Left	Asymmetric	5	3.3
S3830.AC1314	0.8	1.4	270°	Left	Asymmetric	5	3.3
S3830.AC1318	1.1	1.8	270°	Left	Asymmetric	5	3.3
S3830.AC1323	1.4	2.3	270°	Left	Asymmetric	5	3.3

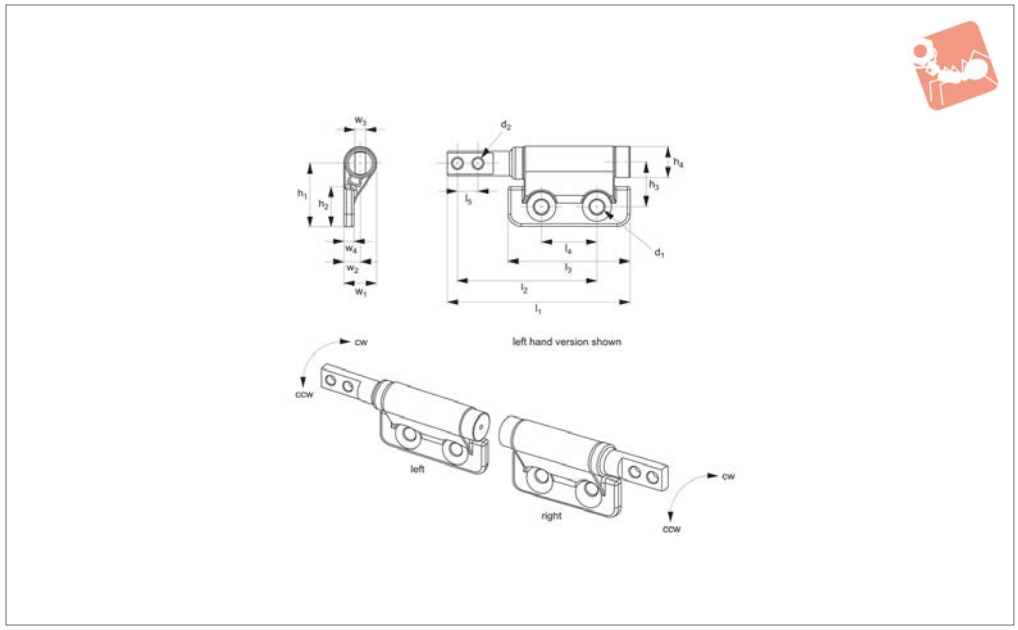


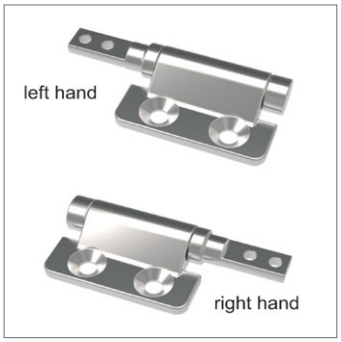
Friction Hinges

symmetric - asymmetric torque - 0,0-3,4 Nm. - plain

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3830.AC1327	1.6	2.7	270°	Left	Asymmetric	5	3.3
S3830.AC1334	2.0	3.4	270°	Left	Asymmetric	5	3.3

Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4
S3830.AC0000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	v	3





S3834

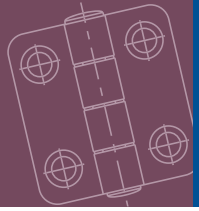
Material
Zinc alloy, steel, grease and o-ring with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. 270° shaft rotation. Oil ring seals against environmental contamination.

Tips
Also available as black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3834.AC0000	0.0	0.0	270°	Right	Symmetric	4.5	3.3
S3834.AC0009	0.9	0.9	270°	Right	Symmetric	4.5	3.3
S3834.AC0014	1.4	1.4	270°	Right	Symmetric	4.5	3.3
S3834.AC0018	1.8	1.8	270°	Right	Symmetric	4.5	3.3
S3834.AC0023	2.3	2.3	270°	Right	Symmetric	4.5	3.3
S3834.AC0027	2.7	2.7	270°	Right	Symmetric	4.5	3.3
S3834.AC0214	1.4	0.8	270°	Right	Asymmetric	4.5	3.3
S3834.AC0218	1.8	1.1	270°	Right	Asymmetric	4.5	3.3
S3834.AC0223	2.3	1.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC0227	2.7	1.6	270°	Right	Asymmetric	4.5	3.3
S3834.AC0234	3.4	2.0	270°	Right	Asymmetric	4.5	3.3
S3834.AC0314	0.8	1.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC0318	1.1	1.8	270°	Right	Asymmetric	4.5	3.3
S3834.AC0323	1.4	2.3	270°	Right	Asymmetric	4.5	3.3
S3834.AC0327	1.6	2.7	270°	Right	Asymmetric	4.5	3.3
S3834.AC0334	2.0	3.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC1000	0.0	0.0	270°	Left	Symmetric	4.5	3.3
S3834.AC1009	0.9	0.9	270°	Left	Symmetric	4.5	3.3
S3834.AC1014	1.4	1.4	270°	Left	Symmetric	4.5	3.3
S3834.AC1018	1.8	1.8	270°	Left	Symmetric	4.5	3.3
S3834.AC1023	2.3	2.3	270°	Left	Symmetric	4.5	3.3
S3834.AC1027	2.7	2.7	270°	Left	Symmetric	4.5	3.3
S3834.AC1214	1.4	0.8	270°	Left	Asymmetric	4.5	3.3
S3834.AC1218	1.8	1.1	270°	Left	Asymmetric	4.5	3.3
S3834.AC1223	2.3	1.4	270°	Left	Asymmetric	4.5	3.3
S3834.AC1227	2.7	1.6	270°	Left	Asymmetric	4.5	3.3
S3834.AC1234	3.4	2.0	270°	Left	Asymmetric	4.5	3.3
S3834.AC1314	0.8	1.4	270°	Left	Asymmetric	4.5	3.3
S3834.AC1318	1.1	1.8	270°	Left	Asymmetric	4.5	3.3
S3834.AC1323	1.4	2.3	270°	Left	Asymmetric	4.5	3.3

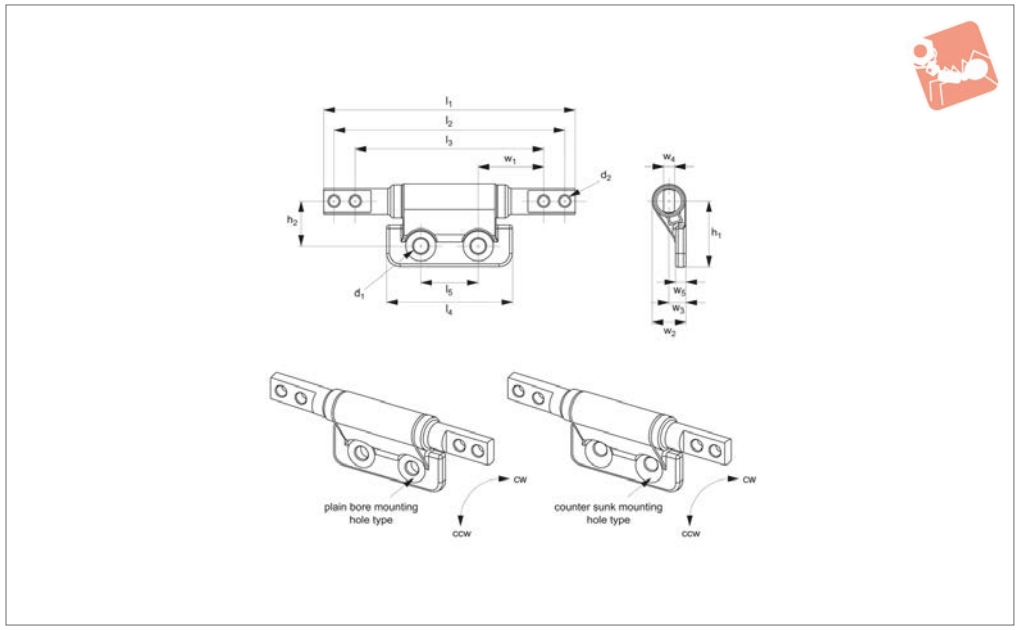


Friction Hinges

symmetric - asymmetric torque - 0,0-3,4 Nm. -

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3834.AC1327	1.6	2.7	270°	Left	Asymmetric	4.5	3.3
S3834.AC1334	2.0	3.4	270°	Left	Asymmetric	4.5	3.3

Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4
S3834.AC0000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC0334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3834.AC1334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3



S3840

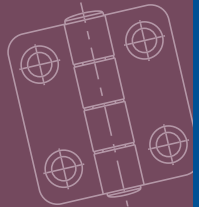
Material
Zinc alloy, steel, grease and o-ring with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips
Also available as black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Counter sunk Torque Type
S3840.AC0000	0.0	0.0	270°	Plain	Symmetric
S3840.AC0009	0.9	0.9	270°	Plain	Symmetric
S3840.AC0014	1.4	1.4	270°	Plain	Symmetric
S3840.AC0018	1.8	1.8	270°	Plain	Symmetric
S3840.AC0023	2.3	2.3	270°	Plain	Symmetric
S3840.AC0027	2.7	2.7	270°	Plain	Symmetric
S3840.AC0214	1.4	0.8	270°	Plain	Asymmetric
S3840.AC0218	1.8	1.1	270°	Plain	Asymmetric
S3840.AC0223	2.3	1.4	270°	Plain	Asymmetric
S3840.AC0227	2.7	1.6	270°	Plain	Asymmetric
S3840.AC0234	3.4	2.0	270°	Plain	Asymmetric
S3840.AC0314	0.8	1.4	270°	Plain	Asymmetric
S3840.AC0318	1.1	1.8	270°	Plain	Asymmetric
S3840.AC0323	1.4	2.3	270°	Plain	Asymmetric
S3840.AC0327	1.6	2.7	270°	Plain	Asymmetric
S3840.AC0334	2.0	3.4	270°	C'sunk	Asymmetric
S3840.AC1000	0.0	0.0	270°	C'sunk	Symmetric
S3840.AC1009	0.9	0.9	270°	C'sunk	Symmetric
S3840.AC1014	1.4	1.4	270°	C'sunk	Symmetric
S3840.AC1018	1.8	1.8	270°	C'sunk	Symmetric
S3840.AC1023	2.3	2.3	270°	C'sunk	Symmetric
S3840.AC1027	2.7	2.7	270°	C'sunk	Symmetric
S3840.AC1214	1.4	0.8	270°	C'sunk	Symmetric
S3840.AC1218	1.8	1.1	270°	C'sunk	Symmetric
S3840.AC1223	2.3	1.4	270°	C'sunk	Symmetric
S3840.AC1227	2.7	1.6	270°	C'sunk	Symmetric
S3840.AC1234	3.4	2.0	270°	C'sunk	Asymmetric
S3840.AC1314	0.8	1.4	270°	C'sunk	Asymmetric
S3840.AC1318	1.1	1.8	270°	C'sunk	Asymmetric
S3840.AC1323	1.4	2.3	270°	C'sunk	Asymmetric

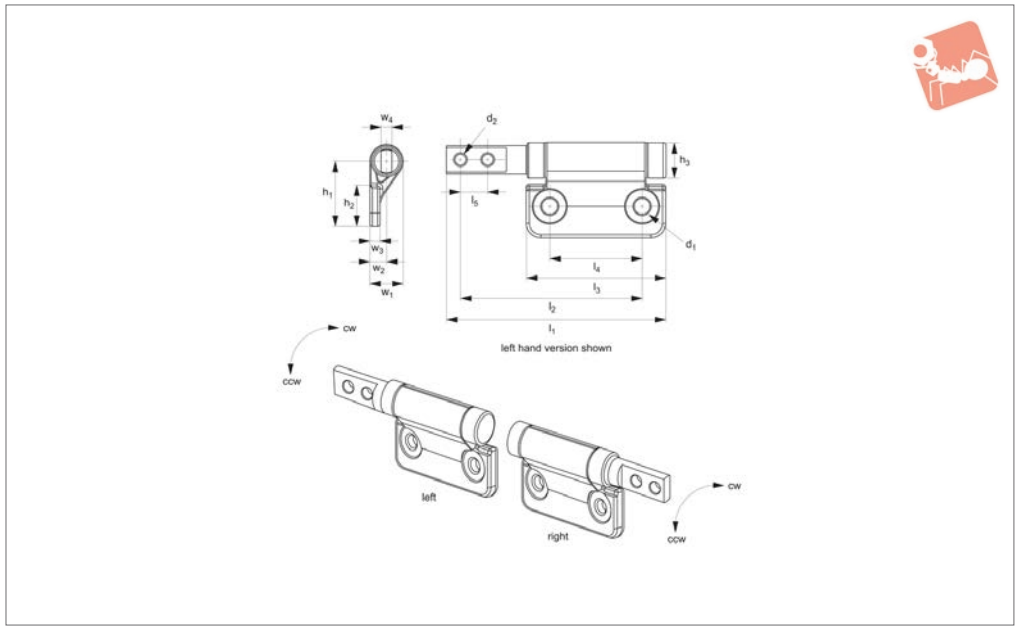


Friction Hinges

symmetric - asymmetric torque - 0,0-3,4 Nm. -

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Counter sunk Torque Type
S3840.AC1327	1.6	2.7	270°	C'sunk	Asymmetric
S3840.AC1334	2.0	3.4	270°	C'sunk	Asymmetric

Order No.	d_1	d_2	h_1	h_2	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4	w_5
S3840.AC0000	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0009	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0014	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0018	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0023	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0027	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0214	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0218	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0223	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0227	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0234	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0314	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0318	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0323	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0327	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0334	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1000	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1009	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1014	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1018	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1023	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1027	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1214	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1218	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1223	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1227	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1234	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1314	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1318	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1323	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1327	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1334	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3



S3844

Material
Steel and zinc with natural finish.

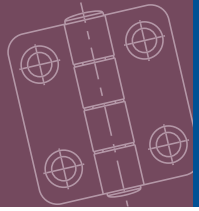
Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips
Also available as black oxide finish, on request and subject to min. quantity.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d_1	d_2
S3844.AC0000	0.0	0.0	270°	Right	Symmetric	5.2	4.5
S3844.AC0009	0.9	0.9	270°	Right	Symmetric	5.2	4.5
S3844.AC0018	1.8	1.8	270°	Right	Symmetric	5.2	4.5
S3844.AC0023	2.3	2.3	270°	Right	Symmetric	5.2	4.5
S3844.AC0034	3.4	3.4	270°	Right	Symmetric	5.2	4.5
S3844.AC0223	2.3	1.4	270°	Right	Asymmetric	5.2	4.5
S3844.AC0234	3.4	2.0	270°	Right	Asymmetric	5.2	4.5
S3844.AC0245	4.5	2.7	270°	Right	Asymmetric	5.2	4.5
S3844.AC0323	1.4	2.3	270°	Right	Asymmetric	5.2	4.5
S3844.AC0334	2.0	3.4	270°	Right	Asymmetric	5.2	4.5
S3844.AC0345	2.7	4.5	270°	Right	Asymmetric	5.2	4.5
S3844.AC1000	0.0	0.0	270°	Left	Symmetric	5.2	4.5
S3844.AC1009	0.9	0.9	270°	Left	Symmetric	5.2	4.5
S3844.AC1018	1.8	1.8	270°	Left	Symmetric	5.2	4.5
S3844.AC1023	2.3	2.3	270°	Left	Symmetric	5.2	4.5
S3844.AC1034	3.4	3.4	270°	Left	Symmetric	5.2	4.5
S3844.AC1223	2.3	1.4	270°	Left	Asymmetric	5.2	4.5
S3844.AC1234	3.4	2.0	270°	Left	Asymmetric	5.2	4.5
S3844.AC1245	4.5	2.7	270°	Left	Asymmetric	5.2	4.5
S3844.AC1323	1.4	2.3	270°	Left	Asymmetric	5.2	4.5
S3844.AC1334	2.0	3.4	270°	Left	Asymmetric	5.2	4.5
S3844.AC1345	2.7	4.5	270°	Left	-	5.2	4.5

Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4
S3844.AC0000	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0009	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0018	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0023	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0034	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0223	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4



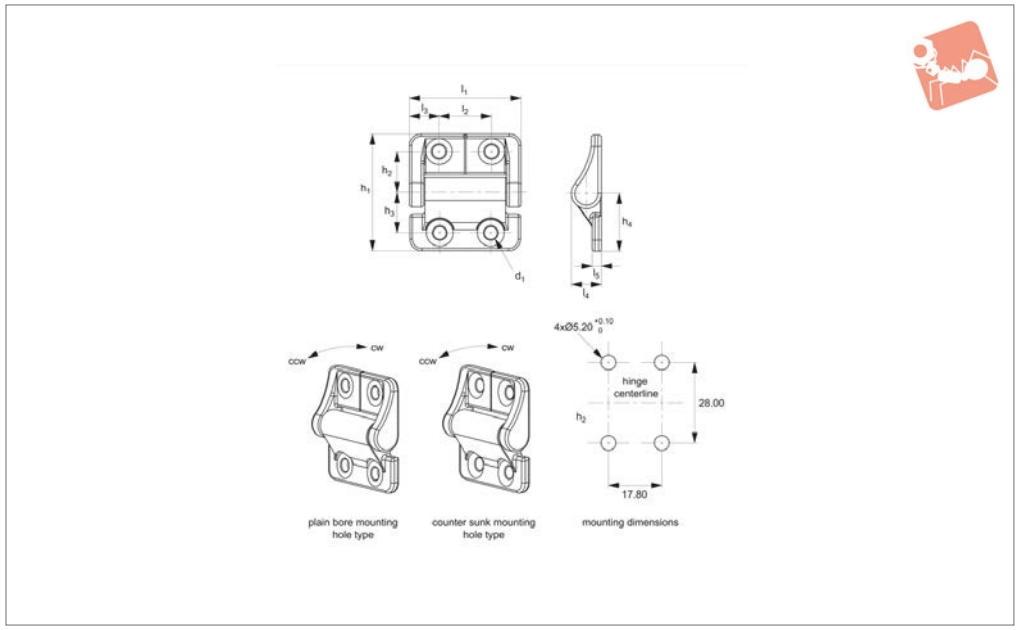
Friction Hinges

symmetric - asymmetric torque - 0,0-4,5 Nm. - plain

Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4
S3844.AC0234	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0245	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0323	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0334	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0345	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1000	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1009	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1018	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1023	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1034	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1223	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1234	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1245	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1323	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1334	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1345	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4

Friction Hinges - Natural - Symmetric

asymmetric torque - countersunk & plain bore



S3850

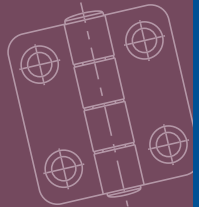
Material
Zinc alloy, steel, grease and o-ring with natural finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips
For mounting and installation information refer to technical diagram.
Also available as black paint finish, see part S5852.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type	d_1	h_1
S3850.AC0000	0.0	0.0	270°	Plain	Symmetric	4.5	40
S3850.AC0009	0.9	0.9	270°	Plain	Symmetric	4.5	40
S3850.AC0014	1.4	1.4	270°	Plain	Symmetric	4.5	40
S3850.AC0018	1.8	1.8	270°	Plain	Symmetric	4.5	40
S3850.AC0023	2.3	2.3	270°	Plain	Symmetric	4.5	40
S3850.AC0027	2.7	2.7	270°	Plain	Symmetric	4.5	40
S3850.AC0214	1.4	0.8	270°	Plain	Asymmetric	4.5	40
S3850.AC0218	1.8	1.1	270°	Plain	Asymmetric	4.5	40
S3850.AC0223	2.3	1.4	270°	Plain	Asymmetric	4.5	40
S3850.AC0227	2.7	1.6	270°	Plain	Asymmetric	4.5	40
S3850.AC0234	3.4	2.0	270°	Plain	Asymmetric	4.5	40
S3850.AC0314	0.8	1.4	270°	Plain	Asymmetric	4.5	40
S3850.AC0318	1.1	1.8	270°	Plain	Asymmetric	4.5	40
S3850.AC0323	1.4	2.3	270°	Plain	Asymmetric	4.5	40
S3850.AC0327	1.6	2.7	270°	Plain	Asymmetric	4.5	40
S3850.AC0334	2.0	3.4	270°	Plain	Asymmetric	4.5	40
S3850.AC1000	0.0	0.0	270°	C'sunk	Symmetric	4.5	40
S3850.AC1009	0.9	0.9	270°	C'sunk	Symmetric	4.5	40
S3850.AC1014	1.4	1.4	270°	C'sunk	Symmetric	4.5	40
S3850.AC1018	1.8	1.8	270°	C'sunk	Symmetric	4.5	40
S3850.AC1023	2.3	2.3	270°	C'sunk	Symmetric	4.5	40
S3850.AC1027	2.7	2.7	270°	C'sunk	Symmetric	4.5	40
S3850.AC1214	1.4	0.8	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1218	1.8	1.1	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1223	2.3	1.4	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1227	2.7	1.6	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1234	3.4	2.0	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1314	0.8	1.4	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1318	1.1	1.8	270°	C'sunk	Asymmetric	4.5	40

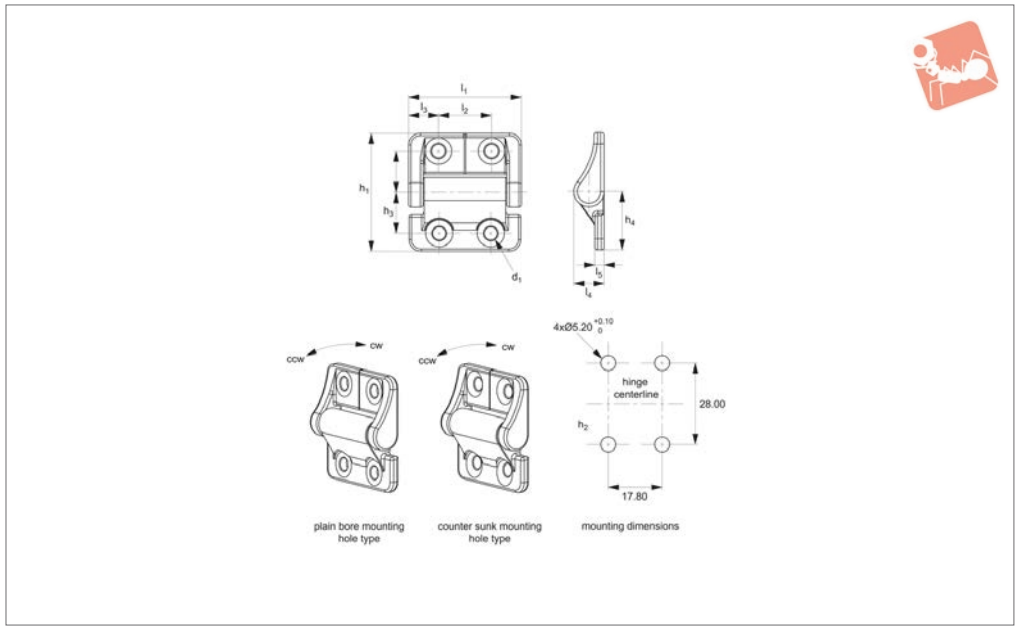


Friction Hinges - Natural - Symmetric

asymmetric torque - countersunk & plain bore

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type	d_1	h_1
S3850.AC1323	1.4	2.3	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1327	1.6	2.7	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1334	2.0	3.4	270°	C'sunk	Asymmetric	4.5	40

Order No.	h_2	h_3	h_4	l_1	l_2	l_3	l_4	l_5
S3850.AC0000	14	14	20	38	17.8	10.1	10	3
S3850.AC0009	14	14	20	38	17.8	10.1	10	3
S3850.AC0014	14	14	20	38	17.8	10.1	10	3
S3850.AC0018	14	14	20	38	17.8	10.1	10	3
S3850.AC0023	14	14	20	38	17.8	10.1	10	3
S3850.AC0027	14	14	20	38	17.8	10.1	10	3
S3850.AC0214	14	14	20	38	17.8	10.1	10	3
S3850.AC0218	14	14	20	38	17.8	10.1	10	3
S3850.AC0223	14	14	20	38	17.8	10.1	10	3
S3850.AC0227	14	14	20	38	17.8	10.1	10	3
S3850.AC0234	14	14	20	38	17.8	10.1	10	3
S3850.AC0314	14	14	20	38	17.8	10.1	10	3
S3850.AC0318	14	14	20	38	17.8	10.1	10	3
S3850.AC0323	14	14	20	38	17.8	10.1	10	3
S3850.AC0327	14	14	20	38	17.8	10.1	10	3
S3850.AC0334	14	14	20	38	17.8	10.1	10	3
S3850.AC1000	14	14	20	38	17.8	10.1	10	3
S3850.AC1009	14	14	20	38	17.8	10.1	10	3
S3850.AC1014	14	14	20	38	17.8	10.1	10	3
S3850.AC1018	14	14	20	38	17.8	10.1	10	3
S3850.AC1023	14	14	20	38	17.8	10.1	10	3
S3850.AC1027	14	14	20	38	17.8	10.1	10	3
S3850.AC1214	14	14	20	38	17.8	10.1	10	3
S3850.AC1218	14	14	20	38	17.8	10.1	10	3
S3850.AC1223	14	14	20	38	17.8	10.1	10	3
S3850.AC1227	14	14	20	38	17.8	10.1	10	3
S3850.AC1234	14	14	20	38	17.8	10.1	10	3
S3850.AC1314	14	14	20	38	17.8	10.1	10	3
S3850.AC1318	14	14	20	38	17.8	10.1	10	3
S3850.AC1323	14	14	20	38	17.8	10.1	10	3
S3850.AC1327	14	14	20	38	17.8	10.1	10	3
S3850.AC1334	14	14	20	38	17.8	10.1	10	3



S3852

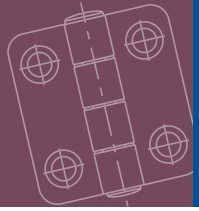
Material
Zinc alloy, steel, grease and o-ring with black paint finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips
For mounting and installation information refer to technical diagram. Also available as natural finish see part S3850.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type
S3852.AC0000	0.0	0.0	270°	Plain	Symmetric
S3852.AC0009	0.9	0.9	270°	Plain	Symmetric
S3852.AC0014	1.4	1.4	270°	Plain	Symmetric
S3852.AC0018	1.8	1.8	270°	Plain	Symmetric
S3852.AC0023	2.3	2.3	270°	Plain	Symmetric
S3852.AC0027	2.7	2.7	270°	Plain	Symmetric
S3852.AC0214	1.4	0.8	270°	Plain	Asymmetric
S3852.AC0218	1.8	1.1	270°	Plain	Asymmetric
S3852.AC0223	2.3	1.4	270°	Plain	Asymmetric
S3852.AC0227	2.7	1.6	270°	Plain	Asymmetric
S3852.AC0234	3.4	2.0	270°	Plain	Asymmetric
S3852.AC0314	0.8	1.4	270°	Plain	Asymmetric
S3852.AC0318	1.1	1.8	270°	Plain	Asymmetric
S3852.AC0323	1.4	2.3	270°	Plain	Asymmetric
S3852.AC0327	1.6	2.7	270°	Plain	Asymmetric
S3852.AC0334	2.0	3.4	270°	Plain	Asymmetric
S3852.AC1000	0.0	0.0	270°	C'sunk	Symmetric
S3852.AC1009	0.9	0.9	270°	C'sunk	Symmetric
S3852.AC1014	1.4	1.4	270°	C'sunk	Symmetric
S3852.AC1018	1.8	1.8	270°	C'sunk	Symmetric
S3852.AC1023	2.3	2.3	270°	C'sunk	Symmetric
S3852.AC1027	2.7	2.7	270°	C'sunk	Symmetric
S3852.AC1214	1.4	0.8	270°	C'sunk	Asymmetric
S3852.AC1218	1.8	1.1	270°	C'sunk	Asymmetric
S3852.AC1223	2.3	1.4	270°	C'sunk	Asymmetric
S3852.AC1227	2.7	1.6	270°	C'sunk	Asymmetric
S3852.AC1234	3.4	2.0	270°	C'sunk	Asymmetric
S3852.AC1314	0.8	1.4	270°	C'sunk	Asymmetric
S3852.AC1318	1.1	1.8	270°	C'sunk	Asymmetric
S3852.AC1323	1.4	2.3	270°	C'sunk	Asymmetric

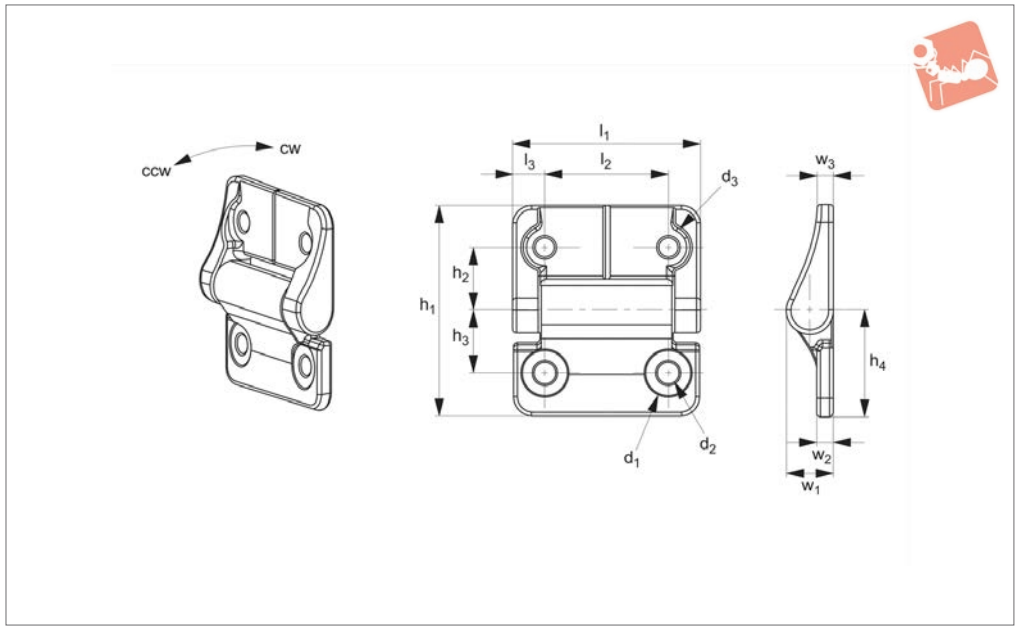


Friction Hinges - Black

symmetric - asymmetric torque - 0,0-3,5 Nm. -

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type
S3852.AC1327	1.6	2.7	270°	C'sunk	Asymmetric
S3852.AC1334	2.0	3.4	270°	C'sunk	Asymmetric

Order No.	d_1	h_1	h_2	h_3	h_4	l_1	l_2	l_3	l_4	l_5
S3852.AC0000	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0009	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0014	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0018	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0023	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0027	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0214	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0218	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0223	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0227	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0234	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0314	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0318	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0323	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0327	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0334	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1000	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1009	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1014	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1018	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1023	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1027	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1214	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1218	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1223	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1227	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1234	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1314	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1318	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1323	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1327	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1334	4.5	40	14	14	20	38	17.8	10.1	10	3



S3854

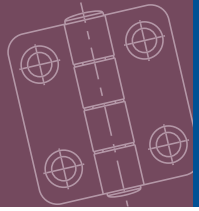
Material
Steel and zinc with natural or black oxide finish.

Technical Notes
Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Important Notes
Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Finish	Torque type	d_1	d_2	d_3
S3854.AC0000	0.0	0.0	270°	Natural	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0009	0.9	0.9	270°	Natural	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0018	1.8	1.8	270°	Natural	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0023	2.3	2.3	270°	Natural	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0034	3.4	3.4	270°	Natural	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0223	2.3	1.4	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0234	3.4	2.0	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0327	4.5	2.7	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0323	1.4	2.3	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0334	2.0	3.4	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC0345	2.7	4.5	270°	Natural	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1000	0.0	0.0	270°	Black paint	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1009	0.9	0.9	270°	Black paint	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1018	1.8	1.8	270°	Black paint	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1023	2.3	2.3	270°	Black paint	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1034	3.4	3.4	270°	Black paint	Symmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1223	2.3	1.4	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1234	3.4	2.0	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1327	4.5	2.7	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1323	1.4	2.3	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1334	2.0	3.4	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10
S3854.AC1345	2.7	4.5	270°	Black paint	Asymmetric	Ø12x0,7 dept.	5.2	10

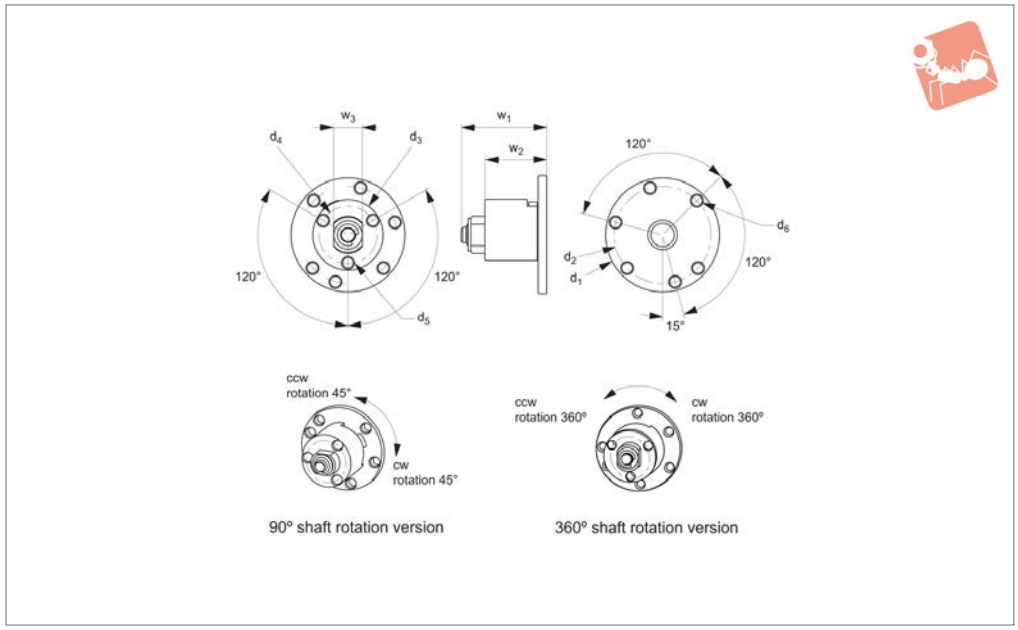
Order No.	h_1	h_2	h_3	h_4	l_1	l_2	l_3	w_1	w_2	w_3
S3854.AC0000	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0009	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0018	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0023	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0034	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0223	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0234	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81



Friction Hinges - Natural & Black

symmetric - asymmetric torque

Order No.	h_1	h_2	h_3	h_4	l_1	l_2	l_3	w_1	w_2	w_3
S3854.AC0327	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0323	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0334	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC0345	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1000	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1009	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1018	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1023	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1034	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1223	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1234	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1327	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1323	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1334	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81
S3854.AC1345	57.15	17	17	28.58	50.8	34	8.4	12.8	4.5	3.81



S3870

HINGES

Material
Steel with nickel plating finish.

Technical Notes
Tested to 10,000 cycles with static torque value remaining within +/- 25%.

Important Notes
Symmetric, offer same torque value in both clockwise and counterclockwise directions.

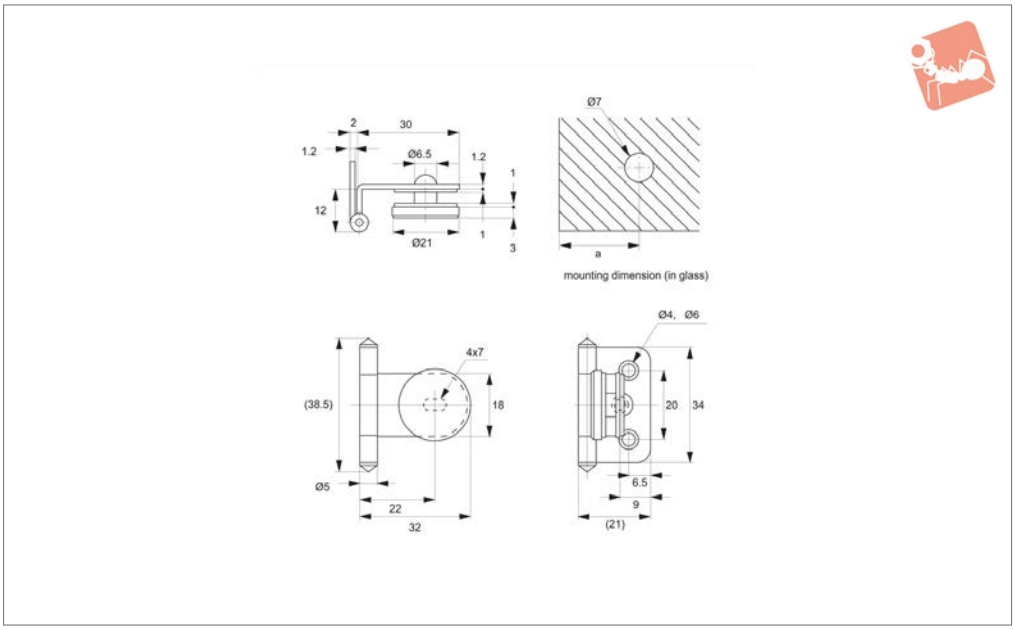
CW= clockwise.
CCW= counterclockwise.

Order No.	Torque Nm	Shaft rotation	Torque type	d_1	d_2	d_3	d_4	d_5	d_6	w_1	w_2	w_3 thru
S3870.AC0025	2.5	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0030	3.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0040	4.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0050	5.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0125	2.5	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0130	3.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0140	4.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0150	5.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8

Glass Door Hinges - Inset Type

stainless steel

T2000



Material

Hinge: stainless steel, AISI 304, polished.
Cover: aluminium, alumite.

Technical Notes

For door thickness 4 to 6mm. For installation dimensions see table below.
a = distance of mounting holes from glass edge, to ensure smooth door opening.
Please note, you will need to drill holes in the glass in order to fit these hinges.

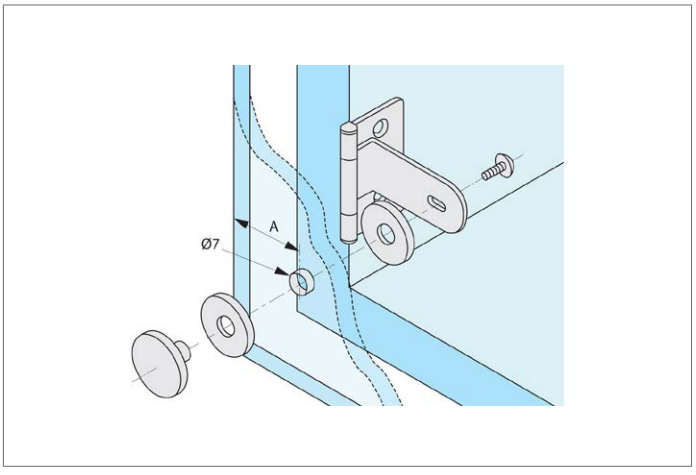
Tips

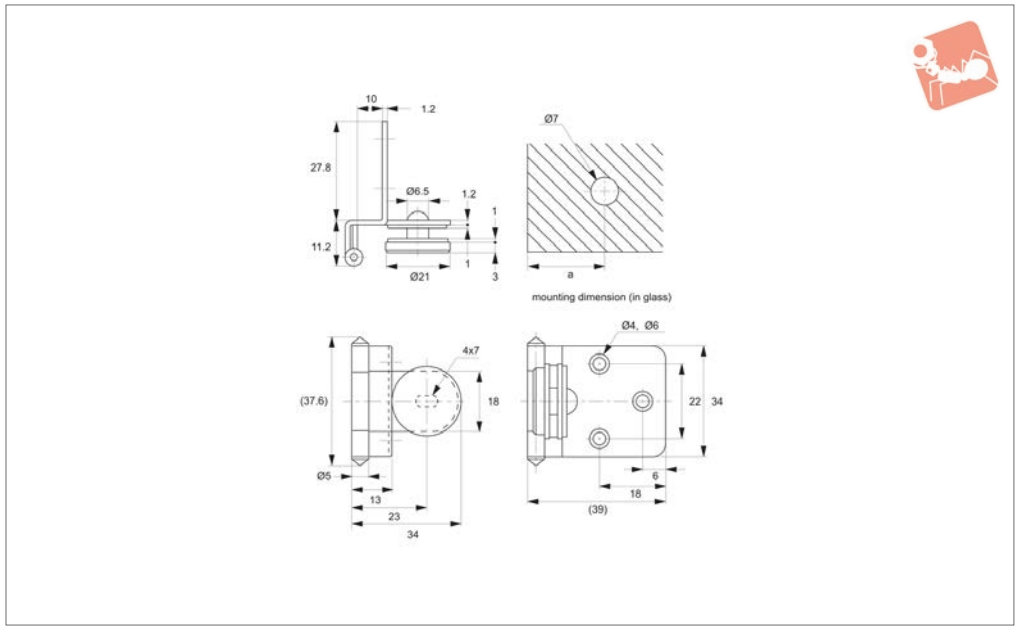
Screws are not included.

Important Notes

For glass thickness:
4mm; a = 19
5mm; a = 18
6mm; a = 17

Order No.	Glass thickness mm	Load capacity 2 hinges kg	Weight g
T2000.AC0010	4 to 6	4	15





T2020

Material
Hinge: stainless steel, AISI 304, polished.
Cover: aluminium, alumite.

Technical Notes
For door thickness 4 to 6mm. For installation dimensions see table below.

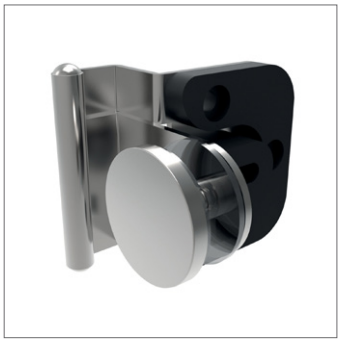
a = distance of mounting holes from glass edge, to ensure smooth door opening. Please note, you will need to drill holes in the glass in order to fit these hinges.

Tips
Screws are not included.

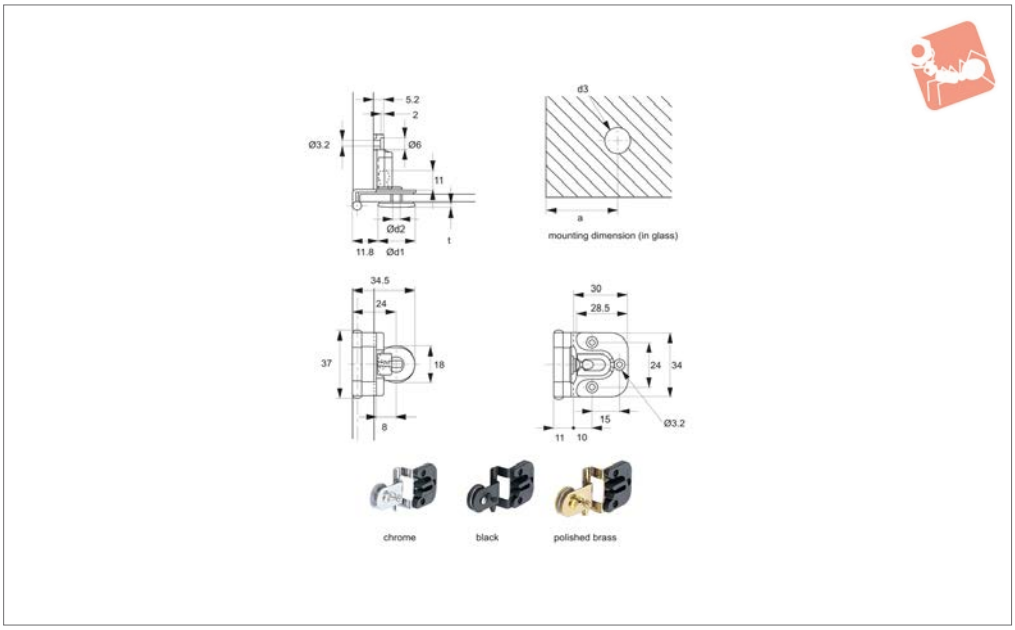
Important Notes
For glass thickness:
4mm; a = 19, overlay = 8
5mm; a = 18, overlay = 7
6mm; a = 17, overlay = 7

Order No.	Glass thickness mm	Load capacity 2 hinges kg	Weight g
T2020.AC0010	4 to 6	4	21

Glass Door Hinges - Half Overlay Type
with catch



T2040



Material
Hinge: steel or stainless steel, AISI 304, with ABS plastic body. Refer to table for plating finish.

Technical Notes
For door thickness 4 to 6mm.
Max. door size - 450w x 700h x 5mm thick.
Max. door weight - 4Kg per hinge pair.

For installation dimensions see table below.
a = distance of mounting holes from glass edge, to ensure smooth door opening.
Plastic body of hinge forms a mechanical catch to hold door in closed position.
Please note, you will need to drill holes in the glass in order to fit these hinges.

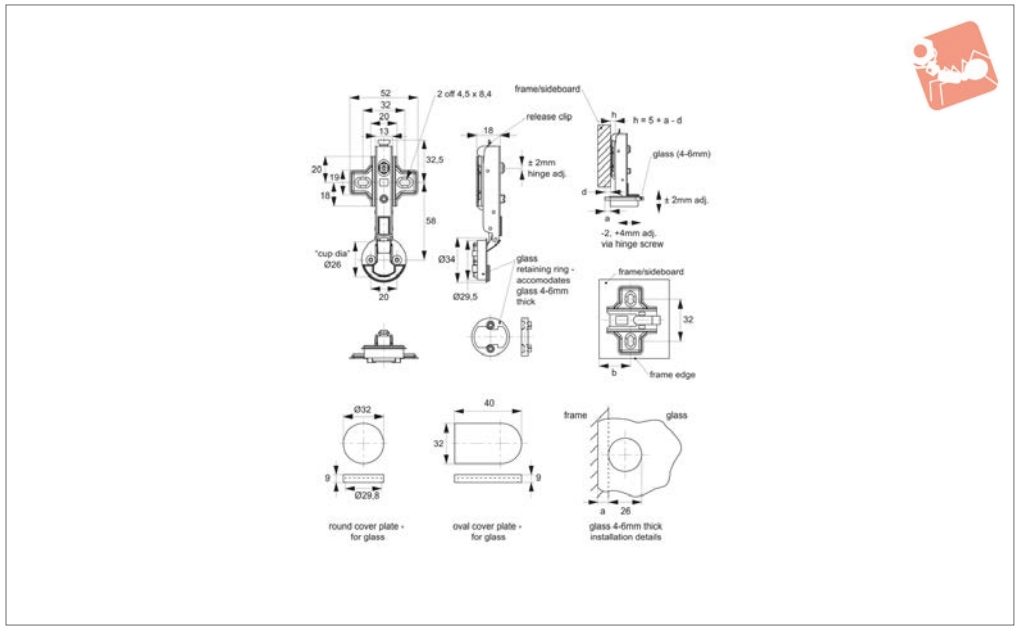
Tips
Screws are not included.

Important Notes
For glass thickness:
4mm; a = 19, overlay = 8
5mm; a = 18, overlay = 7
6mm; a = 18, overlay = 6

Order No.	Glass thickness mm	Finish	Load capacity 2 hinges kg	Body type	d_1	d_2	d_3	t	Screw	Weight g
T2040.AC0020	4 to 6	Chrome	4	Steel	20	6.5	7.0	2	M 3,5 x 6	36
T2040.AC0030	4 to 6	Brass	4	Steel	20	6.5	7.0	2	M 3,5 x 6	36
T2040.AC0040	4 to 6	Black	4	Stainless	21	8.0	8.5	3	M 3,0 x 6	32

Glass Door Hinges - Size 26

inset type - half overlay type - 110° opening - soft



T2104

Material

Hinge arm: steel, zinc plated, with plastic glass retaining ring.
Hinge mounting plate: steel, zinc plated.
Cover plate for glass: ABS plastic, metal coated.
Cover plate for hinge arm and mounting plate: ABC plastic, chrome plated.
Supplied (per hinge): - 1 x hinge arm. 1 x mounting plate (self-tap screw fixing). 1 x mounting plate (euro screw fixing). 1 x cover plate for glass (round). 1 x cover plate for glass (oval). 1 x cover plate for arm hinge and moutning plate. 2 x wood screw (4 x 16). 2 x euro screw (6.3 x 16).

Technical Notes

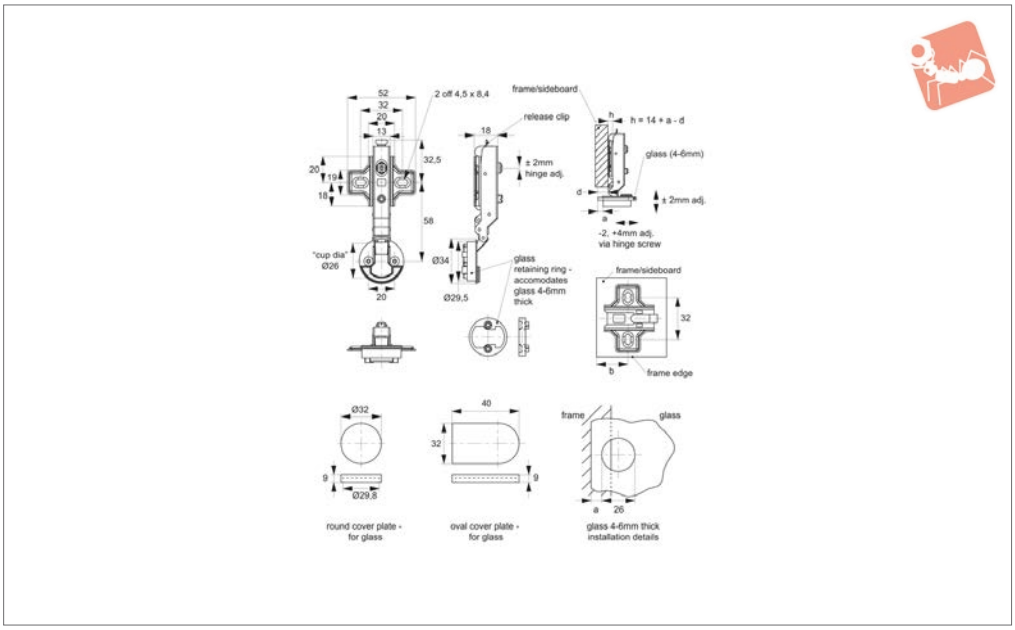
Supplied as single hinge.
incorporated into the hinge is a hydraulic based „soft close“ device to assist in controlled closing of door.
Installation notes:
Hinge-on-plate mounting system; plate easily fastened to wooden frame using self-tapping screw (supplied). Requires 26 mm dia. cut out glass for mounting of hinge to glass door - please see installation diagram for details. Hinge is „clip-on“, quick mount/dismount to the mounting plate.

Order No.	Glass thickness mm	Finish	Size
T2104.AW0010	4 to 6	Chrome	25
T2104.AW0020	4 to 6	Gold	25

Glass Door Hinges - Size 26

overlay type - 110° opening - soft close

T2106



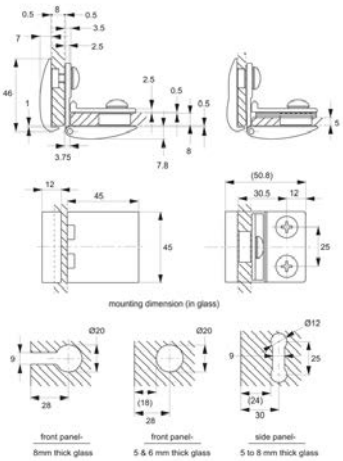
Material

Hinge arm: steel, zinc plate, with plastic glass retaining ring.
Hinge mounting plate: steel, zinc plated.
Cover plate for glass: ABS plastic, metal coated.
Cover plate for hinge arm and mounting plate: ABC plastic, chrome plated.
Supplied (per hinge): - 1 x hinge arm. 1 x mounting plate (self-tap screw fixing). 1 x mounting plate (euro screw fixing). 1 x cover plate for glass (round). 1 x cover plate for glass (oval). 1 x cover plate for arm hinge and mounting plate. 2 x wood screw (4 x 16). 2 x euro screw (6.3 x 16).

Technical Notes

Supplied as single hinge.
Incorporated into the hinge is a hydraulic based „soft close“ device to assist in controlled closing of door.
Installation notes:
Hinge-on-plate mounting system; plate easily fastened to wooden frame using self-tapping screws or eurp screw (supplied).
Requires 26 mm dia. cut-out glass for mounting of hinge to glass door - please see installation diagram for details. Hinge is „clip-on“, quick mount/dismount to the mounting plate.

Order No.	Glass thickness mm	Finish	Size
T2106.AW0010	4 to 6	Chrome	25
T2106.AW0020	4 to 6	Gold	25



T2200

Material
Hinge body: brass, in nickel, chrome or gold finish.
Glass adj. roller: polyamide, black.
Bushes & spacers: rubber, black.

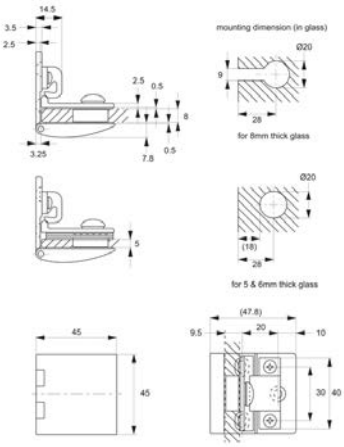
Technical Notes
For door thickness 5 to 8mm. Horizontally adjustable by 2,5mm.
Max. door size-
600w x 700h x 8mm thick
Max. door weight-
15Kg per hinge pair.
Please note, you will need to drill holes in the glass in order to fit these hinges.

Important Notes
Spacers are supplied to accommodate different glass door thicknesses;
5mm glass use 3 spacers
6mm glass use 2 spacers
8mm glass no spacers required.

Order No.	Glass thickness mm	Finish	Load capacity 2 hinges kg
T2200.AC0010	5 to 8	Satin Nickel	15
T2200.AC0020	5 to 8	Chrome	15
T2200.AC0030	5 to 8	Gold	15

Glass Door Hinges - Inset Type
with catch

T2220



Material
Hinge body: brass, in nickel, chrome or gold finish.
Glass adj. roller: polyamide, black.
Bushes & spacers: rubber, black.

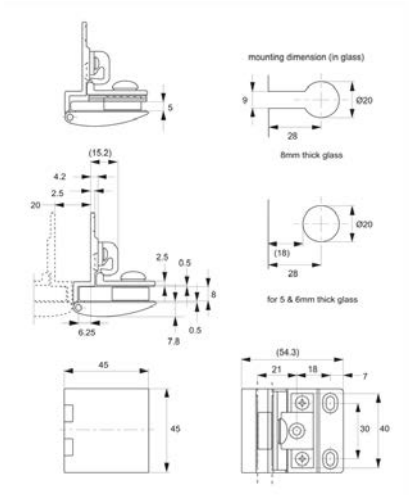
Technical Notes
For door thickness 5 to 8mm. Horizontally adjustable by 2,5mm, vertical adjustment 2mm.
Max. door size-
600w x 700h x 8 mm thick
Max. door weight-
15Kg per hinge pair.
Plastic body of hinge forms a mechanical catch to hold panel/door in closed position.

Please note, you will need to drill holes in the glass in order to fit these hinges.

Important Notes
Spacers are supplied to accommodate different glass door thicknesses;
5mm glass use 3 spacers
6mm glass use 2 spacers
8mm glass no spacers required.

Order No.	Glass thickness mm	Finish	Load capacity 2 hinges kg
T2220.AC0010	5 to 8	Satin Nickel	15
T2220.AC0020	5 to 8	Chrome	15
T2220.AC0030	5 to 8	Gold	15

Glass Door Hinges - Overlay Type
with catch



T2240

Material
Hinge body: brass, in nickel, chrome or gold finish.
Glass adj. roller: polyamide, black.
Bushes & spacers: rubber, black.

Technical Notes
6mm overlay. For door thickness 5 to 8mm.
Horizontally adjustable by 2,5mm, vertical adjustment 2mm.
Max. door size - 600w x 700h x 8mm thick.
Max. door weight - 15Kg per hinge pair.
Plastic body of hinge forms a mechanical catch to hold panel/door in closed position.
Please note, you will need to drill holes in the glass in order to fit these hinges.

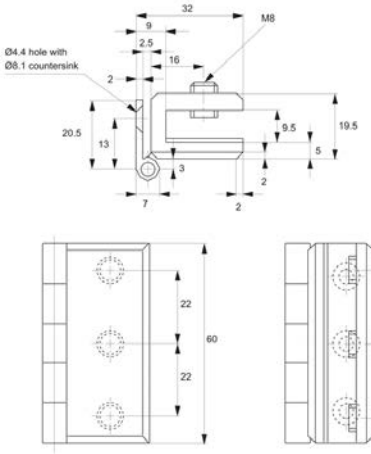
Important Notes
Spacers are supplied to accommodate different glass door thicknesses;
5mm glass use 3 spacers
6mm glass use 2 spacers
8mm glass no spacers required.

Order No.	Glass thickness mm	Finish	Load capacity 2 hinges kg
T2240.AC0010	5 to 8	Satin Nickel	15
T2240.AC0020	5 to 8	Chrome	15
T2240.AC0030	5 to 8	Gold	15

Glass Door Hinges - Set Screw Mount

stainless steel

T2260



Material
Body: stainless steel, AISI 304, polished

Technical Notes
For door thicknesses 4 to 8mm.

Max. door size-
450w x 1300h x 8mm thick.

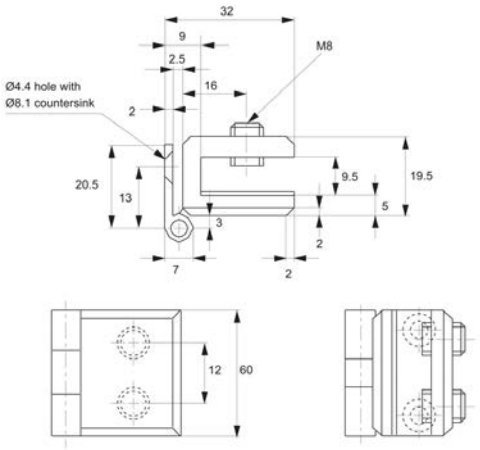
Important Notes
No holes required in glass for installation.

Three grub screws hold and clamp glass in place.

Order No.	Glass thickness mm	Finish
T2260.AC0010	4 to 8	Stainless

Glass Door Hinges - Set Screw Mount

stainless steel



T2280

Material
Body: stainless steel, AISI 304, polished

Technical Notes
For door thicknesses 4 to 8mm.

Max. door size - 400w x 600h x 8mm thick.

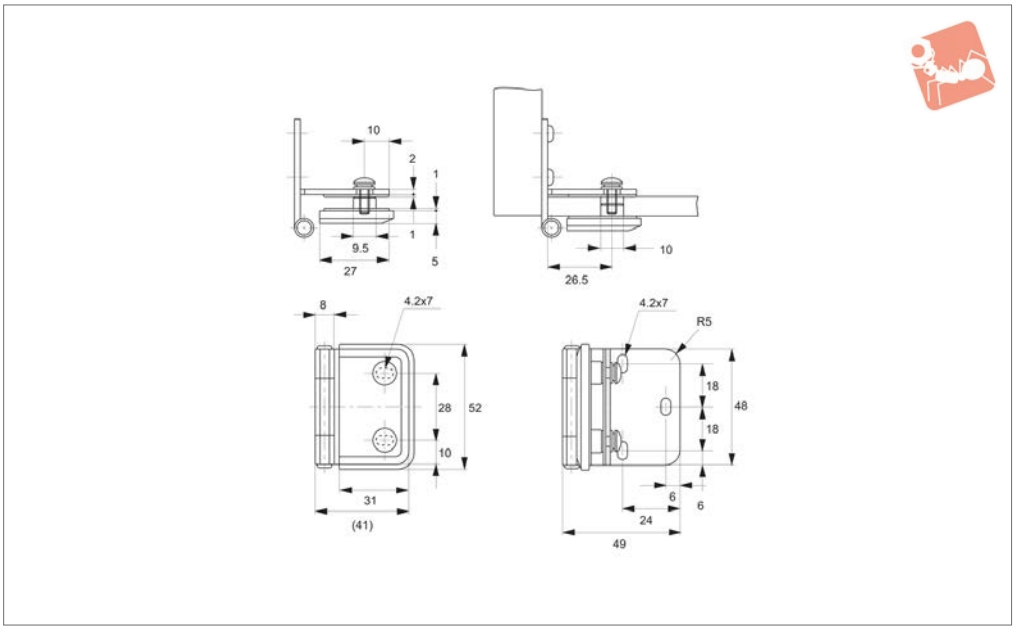
Important Notes
No holes required in glass for installation.
Three grub screws hold and clamp glass in place.

Order No.	Glass thickness mm	Finish
T2280.AC0010	4 to 8	Stainless

Glass Door Hinge - Inset Type

stainless steel

T2300



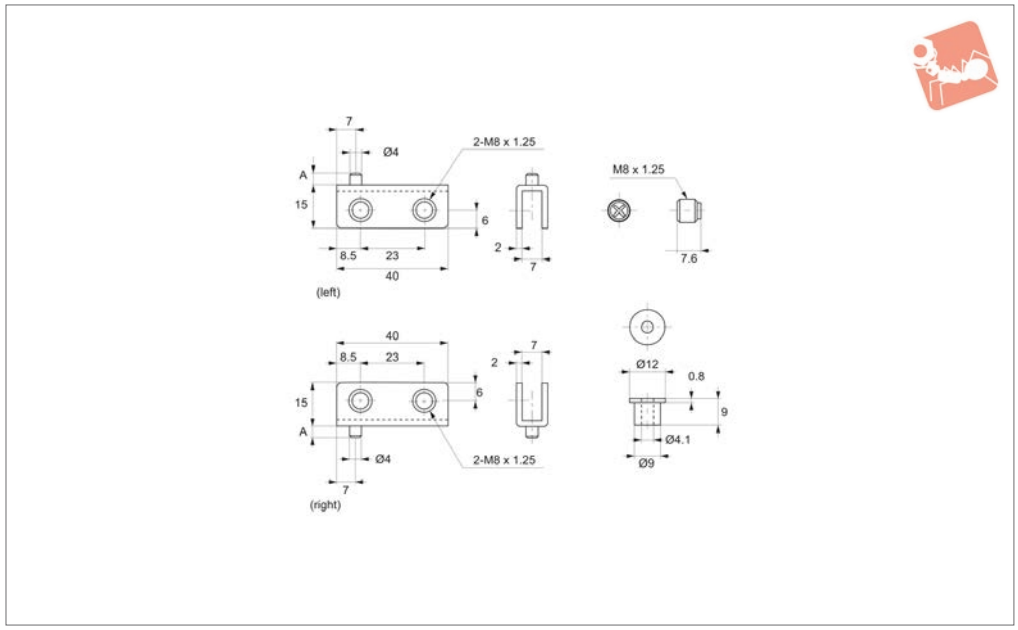
Material
Hinge body: stainless steel, AISI 304, polished.
Cover plate: zinc alloy, chrome plated.

Technical Notes
For door thicknesses 5 to 8mm.
Max. door size - 650w x 700h x 8mm thick.
Max. door weight - 12Kg per hinge pair.

Please note, you will need to drill holes in the glass in order to fit these hinges.

Order No.	Glass thickness mm	Finish	Load capacity kg
T2300.AC0010	5 to 8	Stainless	12

Glass Door Hinge - Inset Type
steel



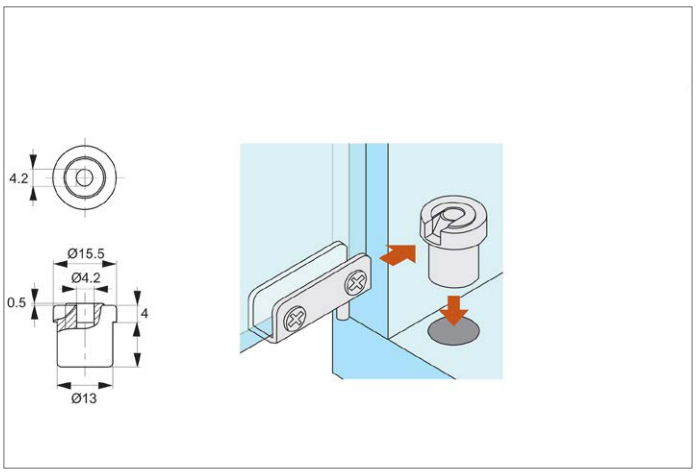
T2400

Material
Hinge Body: Steel, black finish
Support: Polypropylene (PP), black finish
Screw: Steel, black finish
Socket: Polyamide (PA), black finish

Technical Notes
Please use in pairs. Can not be used seperately.
Left: For left-lower/right-upper
Right: For right-lower/left-upper
Door width: Max. 450
Door Height: Max. 700
Glass Thickness: 4,5
Door Weight: Max. 4kg/pair

Tips
T2400.AW0010 and T2400.AW0020 should be used with the socket.

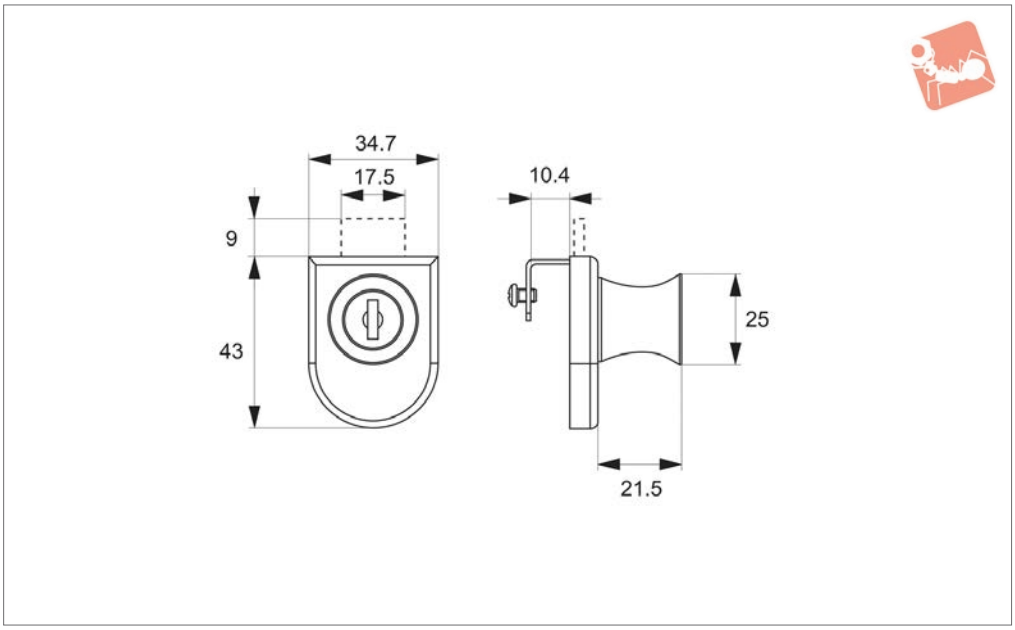
Order No.	Type	a	Weight g
T2400.AW0010	Right	4	25.0
T2400.AW0020	Left	4	25.0
T2400.AW0110	Right	9	25.5
T2400.AW0120	Left	9	25.5
T2400.AW0990	-	-	5



Glass Door Lock

zinc,cylinder lock - set screw mount

T4101



Material
Zinc alloy, Din EN1774 ZnAI4Cu1

Technical Notes
To suit glass from 4 - 8mm thick. For use in glass cabinets and showcases.

Important Notes
Easy installation, lock is clamped to edge of glass via a grub screw.

Also supplied with catch plate.

Order No.	Glass thickness mm min.	Glass thickness mm max.	Key type
T4101.AW0010	4	8	Keyed alike

Glass Door Hinges Selection Chart

The Wixroyd range of glass door hinges are intended for the mounting of smaller doors and panels on cabinets and enclosures, typically their maximum load capacity is 4 Kg per hinge pair. Some of our larger hinges have a capacity of upto 12-15 Kg/pair.

Wixroyd product no.	Max. glass thickness (mm)	Max. load capacity per pair (Kg)	Max. door/ panel size mm (subj. to max. load)	Requires mounting holes cut in glass
T2000	4 to 6	4	-	Yes
T2030	4 to 6	4	450 x 700	Yes
T2220	5 to 8	15	600 x 700	Yes
T2300	5 to 8	12	650 x 700	Yes
T2102	4 to 6	8	500 x 600	Yes

Inset type hinges

Inset hinges are mounted on the inside of the cabinet frame, and are used for hanging doors/panels flush to the frame of the cabinet. Requires mounting holes to be cut into the glass.

Wixroyd product no.	Max. glass thickness (mm)	Max. load capacity per pair (Kg)	Max. door/ panel size mm (subj. to max. load)	Requires mounting holes cut in glass
T2240	5 to 8	15	600 x 700	Yes
T2106	4 to 6	8	500 x 600	Yes

Overlay hinges

Overlay hinges are mounted to the inside of the cabinet frame, with the complete hinge profile resting on the cabinet frame. The door/panel is hung proud of the cabinet frame. Requires mounting holes to be cut into the glass.

Wixroyd product no.	Max. glass thickness (mm)	Max. load capacity per pair (Kg)	Max. door/ panel size mm (subj. to max. load)	Requires mounting holes cut in glass
T2020	4 to 6	4	-	Yes
T2040	4 to 6	4	450 x 700	Yes
T2104	4 to 6	8	500 x 600	Yes

Half overlay hinges

Half overlay hinges are mounted to the inside of the cabinet frame, with half of the hinge profile resting on the cabinet frame. The door/panel is hung proud of the cabinet frame. Requires mounting holes to be cut into the glass.

Wixroyd product no.	Max. glass thickness (mm)	Max. load capacity per pair (Kg)	Max. door/ panel size mm (subj. to max. load)	Requires mounting holes cut in glass
T2200	5 to 8	15	600 x 700	Yes

Glass-to-glass hinges

To hinge glass-to-glass, Tony says use these particular hinges, they provide non-flush hanging of glass to glass. Requires mounting holes to be cut into the glass.

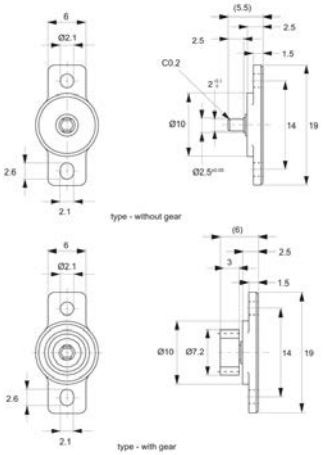
Wixroyd product no.	Max. glass thickness (mm)	Max. load capacity per pair (Kg)	Max. door/ panel size mm (subj. to max. load)	Requires mounting holes cut in glass
T2260	4 to 8	-	450 x 1300	No
T2280	4 to 8	-	400 x 600	No

Set screw mount hinges

These simple to install glass hinges use set screws to clamp the glass, no cutting of the glass is required.

Rotary Dampers
bi-directional - continuous rotation - up to 40 gf.cm

Q3000

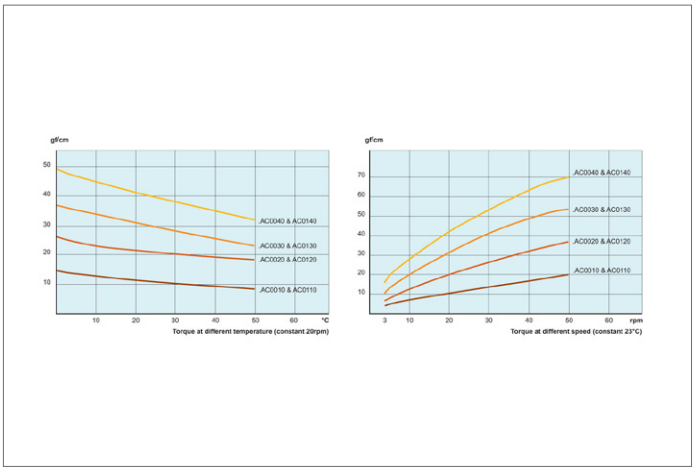


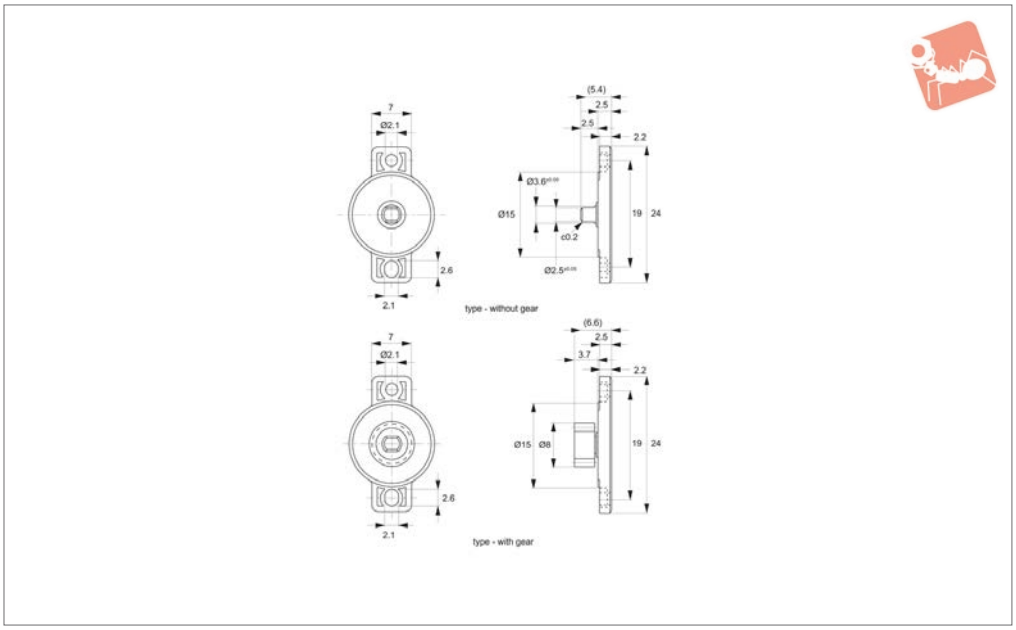
Material
Body: polycarbonate
Shaft: polyacetal
Gear: polyacetal

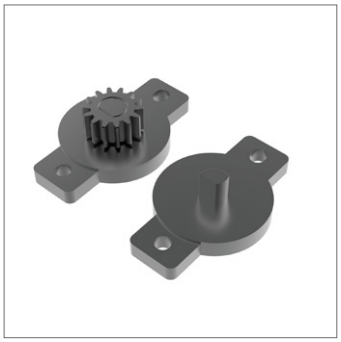
Technical Notes
Gear Specification:
Type - Standard Spur Gear
Tooth - Involute (full)
Module - 0.6mm
Pressure Angle - 20°
Number of Teeth - 10
Pitch Circle Diameter - 6mm
Temperature range 0° to +50°.

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments.
For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.

Order No.
Q3000.AC0010
Q3000.AC0020
Q3000.AC0030
Q3000.AC0040
Q3000.AC0110
Q3000.AC0120
Q3000.AC0130
Q3000.AC0140







Q3020

Material
Body: polycarbonate
Shaft: polyacetal
Gear: polyacetal

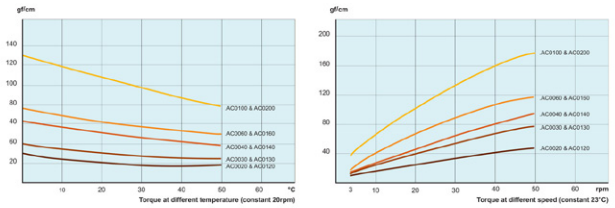
Technical Notes
Gear Specification:
Type - Standard Spur Gear
Tooth - Involute (full)
Module - 0.5mm
Pressure Angle - 20°
Number of Teeth - 14
Pitch Circle Diameter - 7mm
Temperature range 0° to +50°c.

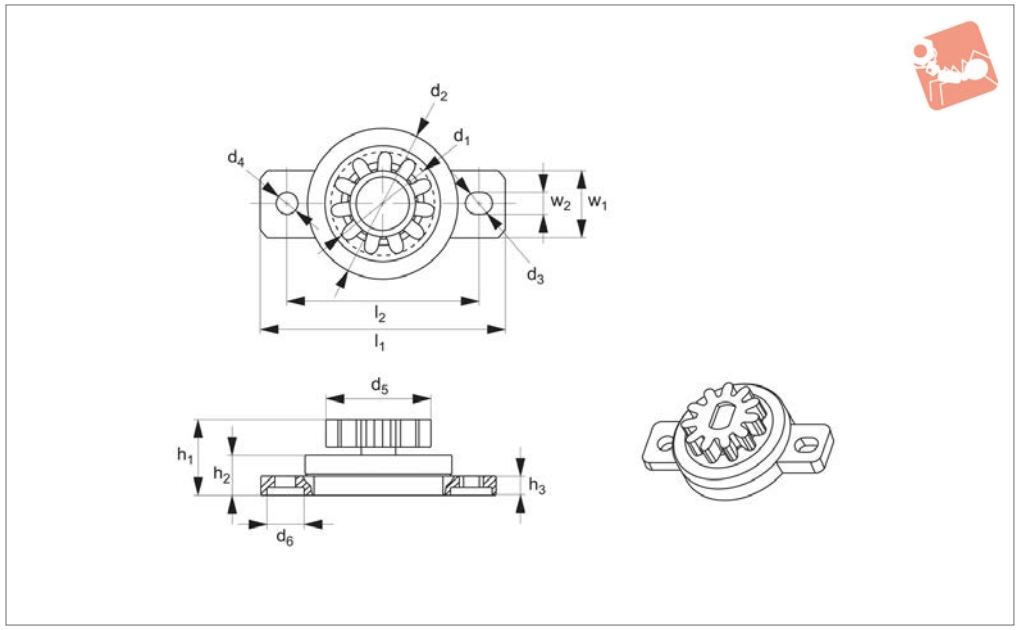
Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments.
For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.

Order No.	Type	Damping torque gf·cm	Weight g
Q3020.AC0020	Without Gear	20	0.6
Q3020.AC0030	Without Gear	30	0.6
Q3020.AC0040	Without Gear	45	0.6
Q3020.AC0060	Without Gear	60	0.6
Q3020.AC0100	Without Gear	100	0.6
Q3020.AC0120	With Gear	20	0.8
Q3020.AC0130	With Gear	30	0.8
Q3020.AC0140	With Gear	45	0.8
Q3020.AC0160	With Gear	60	0.8
Q3020.AC0200	With Gear	100	0.8

Rotary Dampers

bi-directional - continuous rotation - up to 100 gf.





Q3022

Material
Polycetal (POM), Polycarbonate (PC)

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

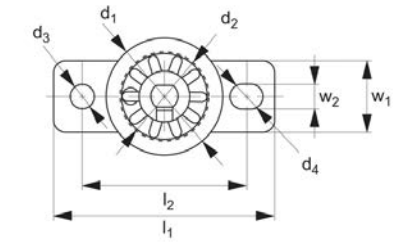
Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3022.AC0150	With gear	50-150	11	0.8	8.8	20°

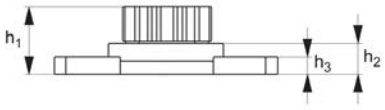
Order No.	l_1	d_1	d_2	d_3	d_4	d_5	d_6	h_1	h_2	h_3	l_2 ±0.1	w_1	w_2
Q3022.AC0150	23.9	10.4	15	2.5	2.2	15	4.1	7.55	4.2	1.85	18.9	6.7	2.2

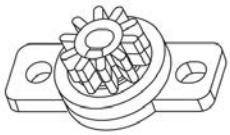
Rotary Dampers

bi-directional - continuous rotation - up to 50gf.cm

Q3026





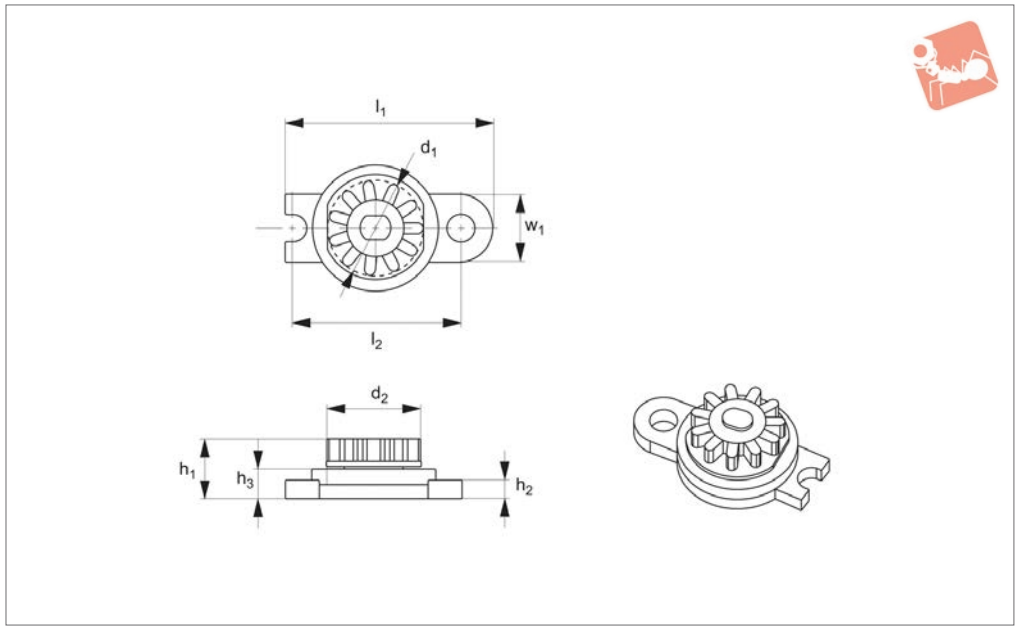


Material
thermoplastic (ABS), Polycetal (POM).

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3026.AC0050	With gear	15-50	11	0.6	6	20°

Order No.	l_1	d_1	d_2	d_3	d_4	h_1	h_2	h_3	l_2	w_1	w_2
Q3026.AC0050	19	10	7.2	2.1	2.5	5.9	2.7	1.5	14	6	2.1



Q3027

Material
thermoplastic (ABS), Polycetal (POM).

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

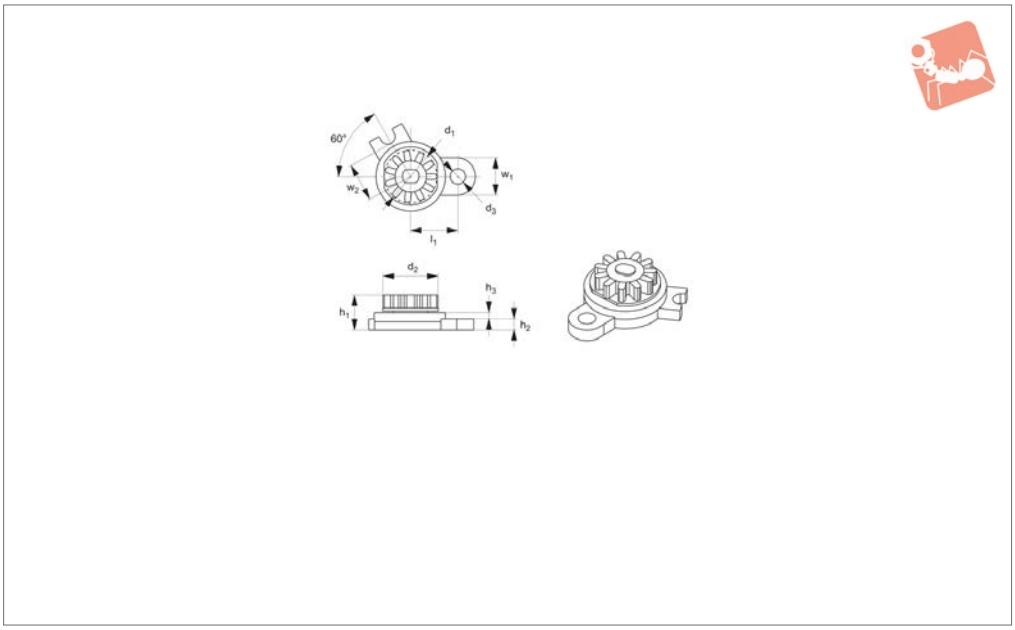
Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3027.AC0050	With gear	15-50	11	0.6	6.6	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	l_2	w_1
Q3027.AC0050	16.7	7.8	10.2	5	1.5	2.5	13.85	5

Rotary Dampers

bi-directional - continuous rotation - up to 50gf.cm

Q3028

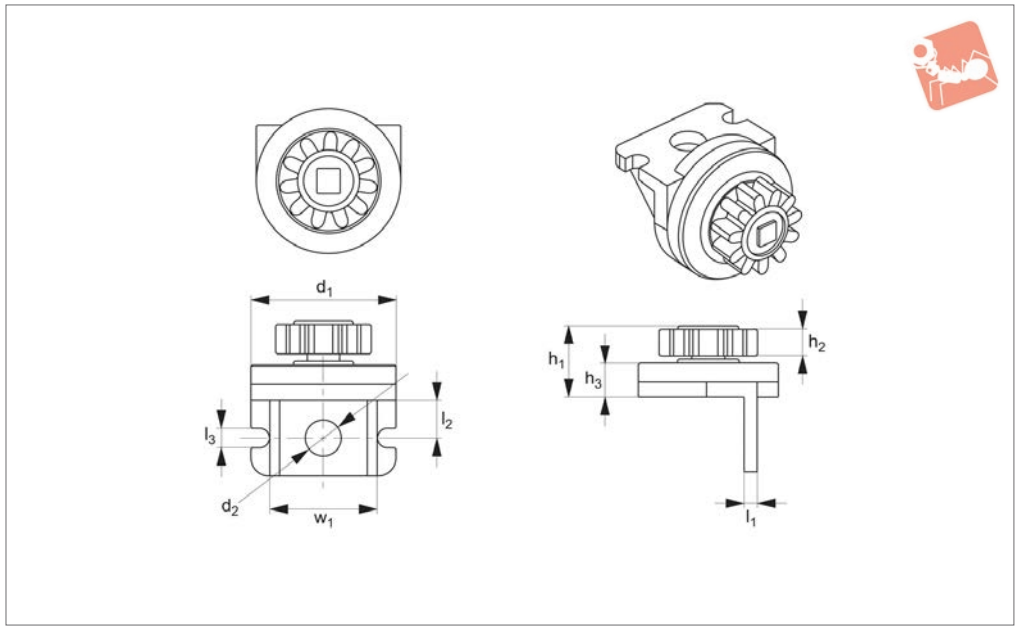


Material
Polycarbonate (PC), polycetal (POM).

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3028.AC0050	With gear	15-50	11	0.6	6.6	20°

Order No.	l_1	d_1	d_2	d_3	h_1	h_2	h_3	w_1	w_2	Angle
Q3028.AC0050	7	7.8	10.2	2.2	5	2.5	1.5	5.0	5.8	60°



Q3029

Material
thermoplastic (ABS), Polycetal (POM).

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

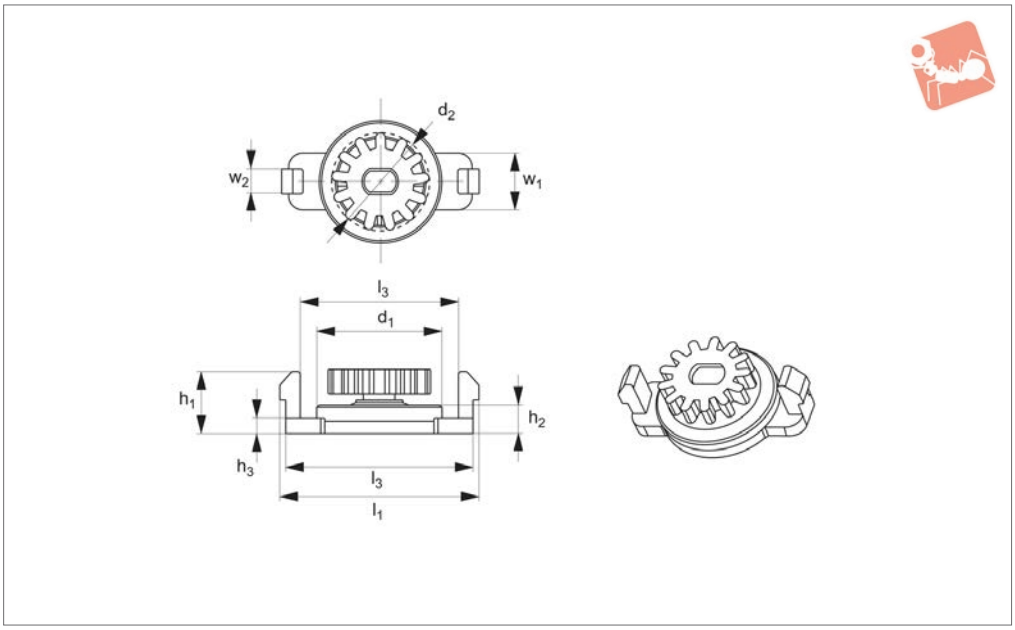
Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3029.AC0150	With gear	70-150	11	0.8	8.8	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	l_2	l_3	w_1
Q3029.AC0150	1.6	15.1	3.9	7.6	3	4.2	3.9	2	11

Rotary Dampers

bi-directional - continuous rotation - up to 150gf.

Q3031

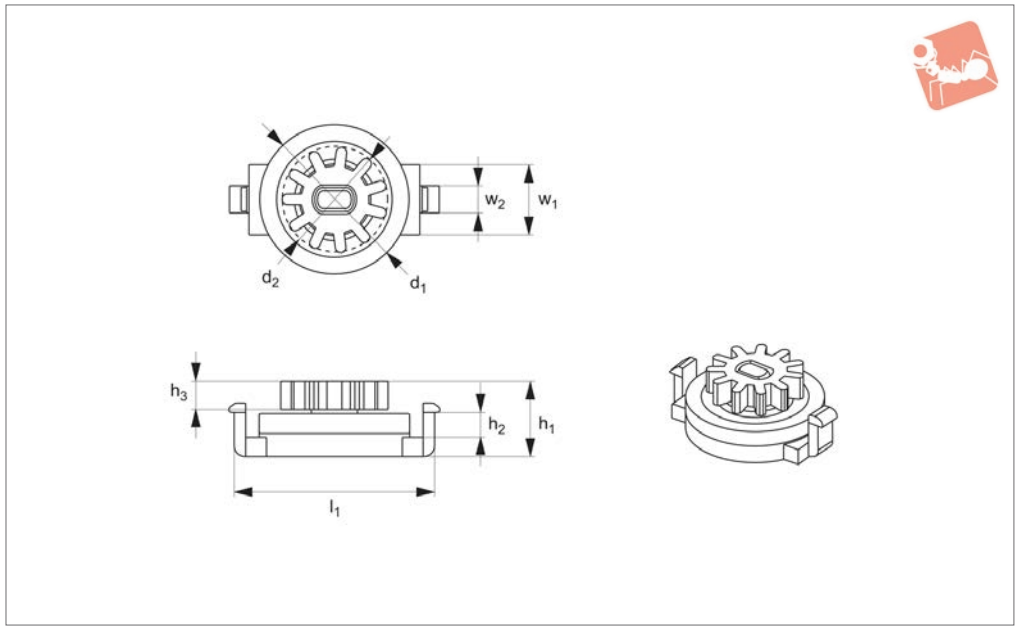


Material
Polycetal (POM), polycarbonate (PC)

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3031.AC0150	With gear	50-150	13	0.8	10.4	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	l_2	l_3	w_1	w_2
Q3031.AC0150	24	15	12	7.5	4	2.21	22.5	18.7	7	3



Q3032

Material
Polycetal (POM), polycarbonate (PC)

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

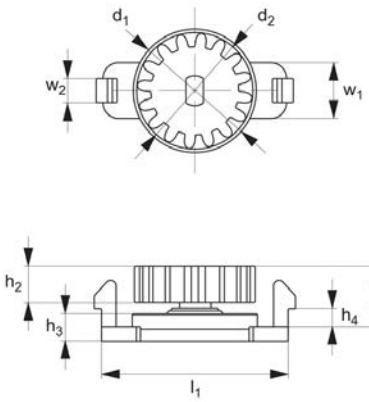
Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3032.AC0100	With gear	50-100	11	0.8	8.8	20°

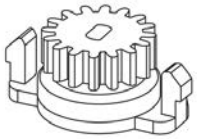
Order No.	l_1	d_1	d_2	h_1	h_2	h_3	w_1	w_2
Q3032.AC0100	19.65	15	10.4	7.55	2.52	2.9	7	2.9

Rotary Dampers

bi-directional - continuous rotation - up to 150gf.

Q3033



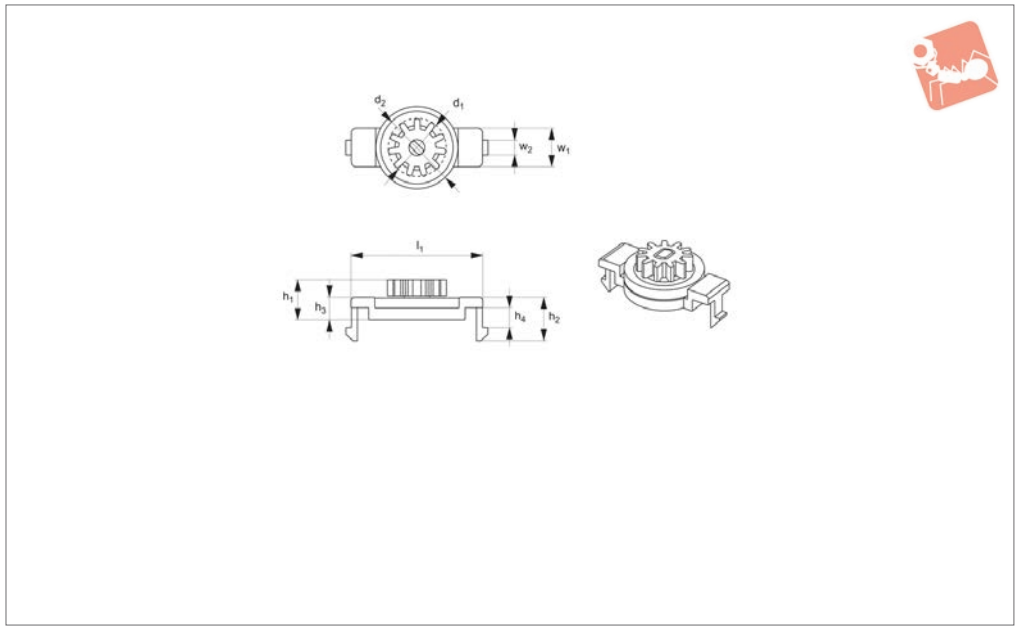


Material
thermoplastic (ABS), Polycetal (POM).

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3033.AC0150	With gear	50-150	16	0.8	12.8	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	h_4	w_1	w_2
Q3033.AC0150	22.5	15	14	9.2	4.5	4	2.2	7.0	3.0



Q3036

Material
Polycetal (POM), polycarbonate (PC).

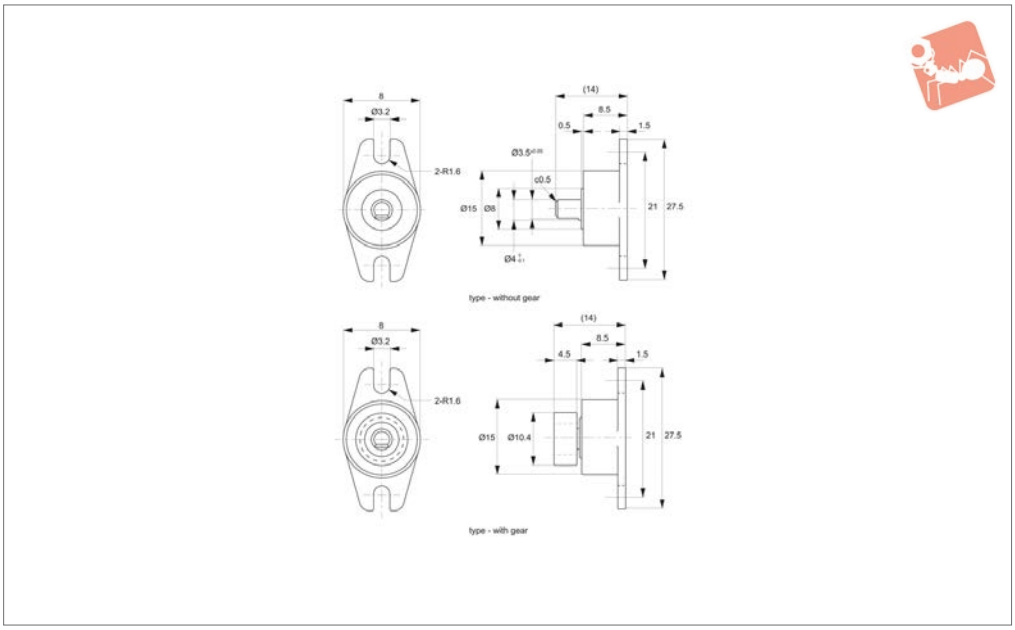
Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3036.AC0050	With gear	15-50	11	0.8	8.8	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	h_4	w_1	w_2
Q3036.AC0050	24.5	15.2	10.4	7.8	8.2	4.3	3.7	7	2.5

Rotary Dampers
uni- and bi-directional - continuous rotation

Q3040



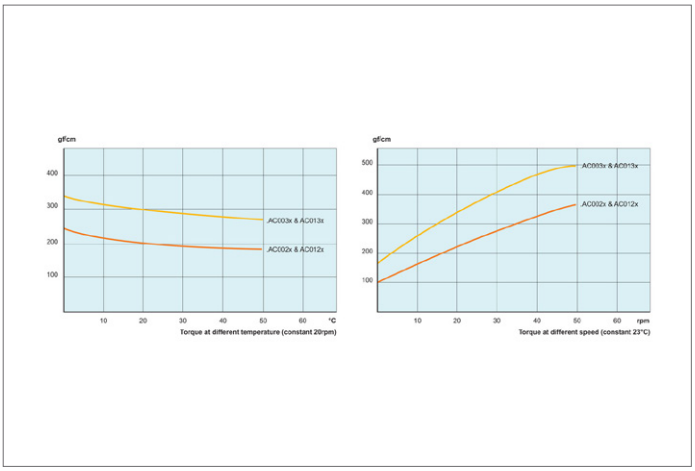
Material
Body: polycarbonate.
Gear: polyacetal.
Oil: silicone oil.

Technical Notes
Gear specification:
Type - standard spur gear
Tooth - involute (full)
Module - 0.8
Pressure angle - 20°
Number of teeth - 11
Pitch circle diameter - 8.8

Tips
For graphs of torque at varying temperature and speed see torque closing speed graphs.

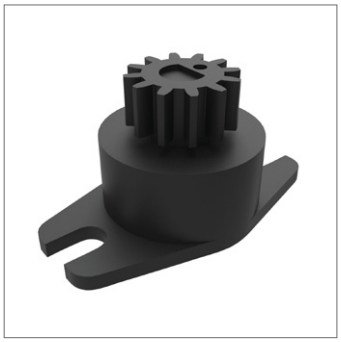
Important Notes
Rotation speed of 20rpm, at 23°C.
Up to 300gf.cm.
Values ±20%.
Max. rotation speed 50rpm.
Max. cycle rate 10 cycle/min.
Operating temperature, 0° to 50°C.
Design tested to 50,000 cycles.
Meets RoHS standards.

Order No.	Type	Damping direction	Damping torque gf·cm	Shaft material	Weight g
Q3040.AWC0020	Without Gear	Bi-directional	200	Polyacetal	2.1
Q3040.AW0030	Without Gear	Bi-directional	300	Polyacetal	2.1
Q3040.AW0120	With Gear	Bi-directional	200	Polyacetal	2.4
Q3040.AW0130	With Gear	Bi-directional	300	Polyacetal	2.4
Q3040.AW0031	Without Gear	Clockwise	300	Metal	3.2
Q3040.AW0131	With Gear	Clockwise	300	Metal	3.5
Q3040.AW0032	Without Gear	Anti-clockwise	300	Metal	3.2
Q3040.AW0132	With Gear	Anti-clockwise	300	Metal	3.5

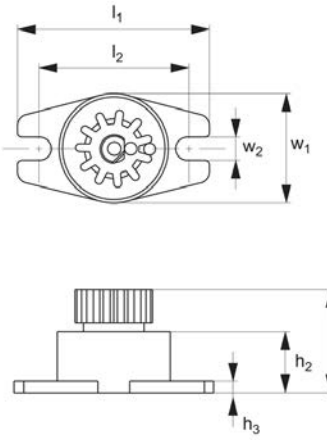

gf/cm
400
300
200
100
AC003x & AC013x
AC002x & AC012x
10
20
30
40
50
60
°C
Torque at different temperature (constant 20rpm)
gf/cm
500
400
300
200
100
AC003x & AC013x
AC002x & AC012x
10
20
30
40
50
60
rpm
Torque at different speed (constant 23°C)

Rotary Dampers

bi-directional - continuous rotation - up to 400gf.



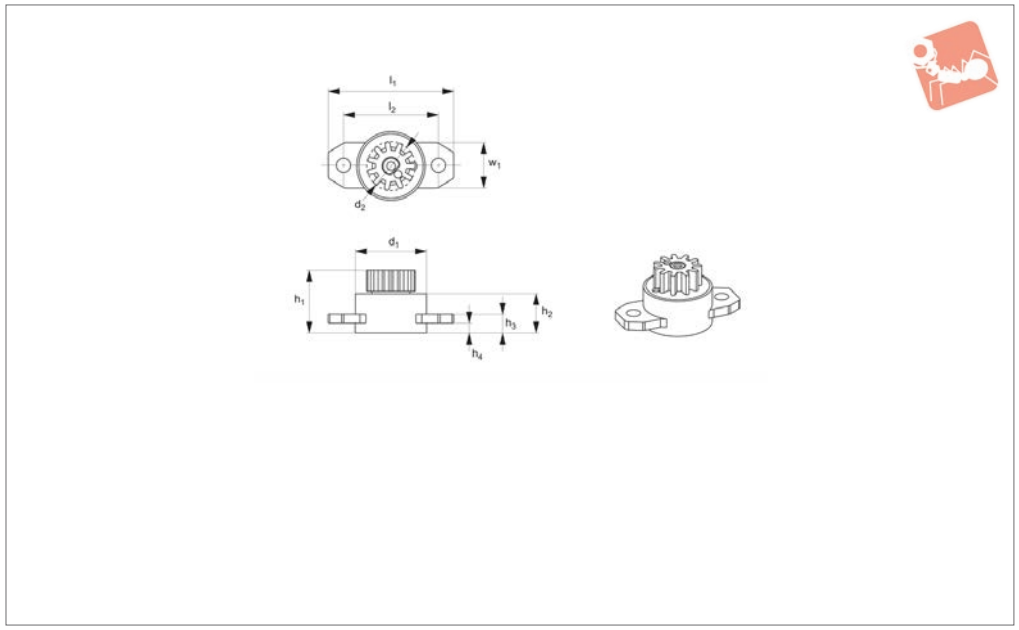
Q3042

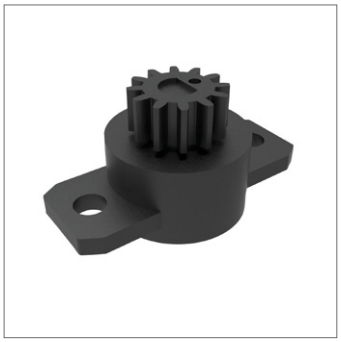


Material
Polycetal (POM), polycarbonate (PC)

Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Damping direction	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle	l_1	h_1	h_2	h_3	w_1	w_2
Q3042.AC0400	Anti-clockwise	80-120	11	0.6	8.8	20	27.5	14	8.5	1.5	15	3.2
Q3042.AC0410	Clockwise	80-120	11	0.6	8.8	20	27.5	14	8.5	1.5	15	3.2
Q3042.AC0420	Anti-clockwise	60-80	11	0.6	8.8	20	27.5	14	8.5	1.5	15	3.2
Q3042.AC0430	Clockwise	60-80	11	0.6	8.8	20	27.5	14	8.5	1.5	15	3.2





Q3044

Material
Thermoplastic (ABS), polycetal (POM).

Technical Notes
Temperatue range +30 -80°C.

Expected life span greater than 50k cycles.

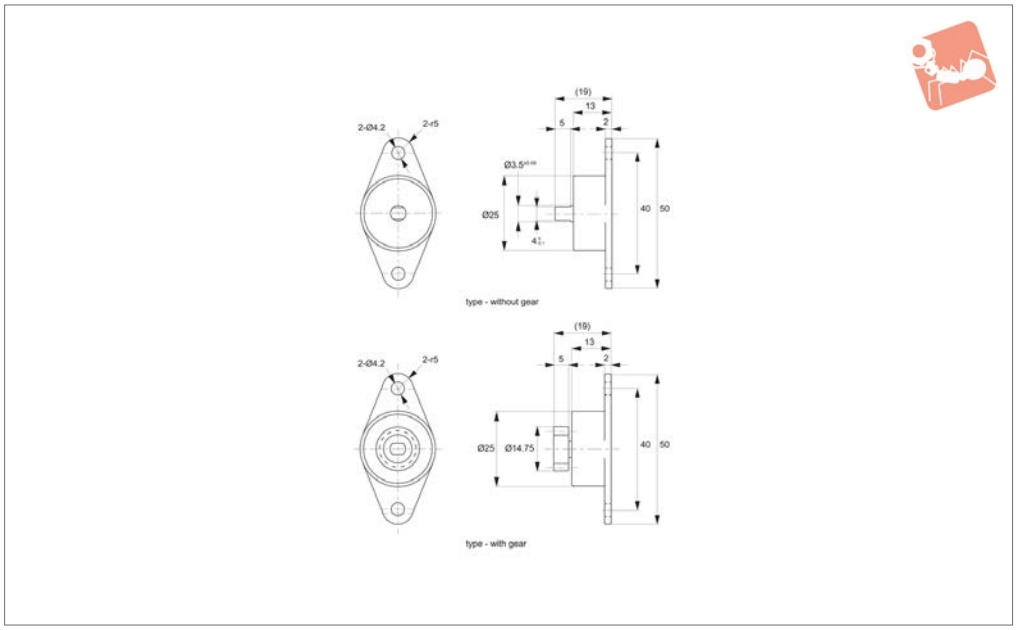
Tips
Create smooth movement and dampening in applications such as loading trays, arm rests and storage compartments. Subject to minimum order quantity.

Order No.	Type	Torque gf·cm	No. of teeth	Gear module	Pitch circle diameter P.C.D	Pressure angle
Q3044.AC0400	With gear	100-400	11	0.8	8.8	20°

Order No.	l_1	d_1	d_2	h_1	h_2	h_3	h_4	l_2	w_1
Q3044.AC0400	27.5	15	10.4	13.6	8.6	4	2	21	10

Rotary Dampers
uni- and bi-directional - continuous rotation - up to

Q3060



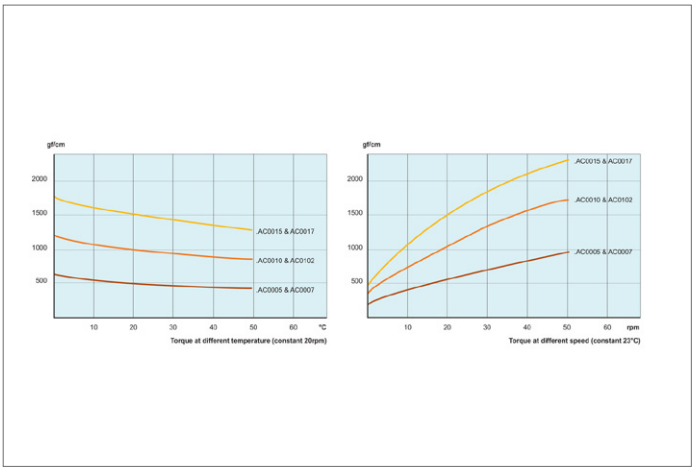
Material
Body: polycarbonate
Shaft: polyacetal
Gear: polyacetal

Technical Notes
Gear specification:
Type - Modified Spur Gear
Tooth - Involute (full)
Module - 1.0mm
Pressure Angle - 20°
Number of Teeth - 12
Pitch Circle Diameter - 12mm

Temperature Range 0° to +50°C.

Tips
For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.

Order No.	Type	Damping direction	Torque gf·cm	Shaft type	Weight g
Q3060.AC0005	w/o Gear	Clockwise	500	Polyacetal	11.8
Q3060.AC0006	w/o Gear	Anti-Clockwise	500	Polyacetal	11.8
Q3060.AC0007	w/o Gear	Bi-Directional	500	Polyacetal	8.3
Q3060.AC0010	w/o Gear	Clockwise	1000	Polyacetal	11.8
Q3060.AC0011	w/o Gear	Anti-Clockwise	1000	Polyacetal	11.8
Q3060.AC0012	w/o Gear	Bi-Directional	1000	Polyacetal	8.3
Q3060.AC0015	w/o Gear	Clockwise	1500	Polyacetal	11.8
Q3060.AC0016	w/o Gear	Anti-Clockwise	1500	Polyacetal	11.8
Q3060.AC0017	w/o Gear	Bi-Directional	1500	Polyacetal	8.3
Q3060.AC0405	with Gear	Clockwise	500	Polyacetal	11.8
Q3060.AC0406	with Gear	Anti-Clockwise	500	Polyacetal	11.8
Q3060.AC0407	with Gear	Bi-Directional	500	Polyacetal	8.3
Q3060.AC0410	with Gear	Clockwise	1000	Polyacetal	11.8
Q3060.AC0411	with Gear	Anti-Clockwise	1000	Polyacetal	11.8
Q3060.AC0412	with Gear	Bi-Directional	1000	Polyacetal	8.3
Q3060.AC0415	with Gear	Clockwise	1500	Polyacetal	11.8
Q3060.AC0416	with Gear	Anti-Clockwise	1500	Polyacetal	11.8
Q3060.AC0417	with Gear	Bi-Directional	1500	Polyacetal	8.3

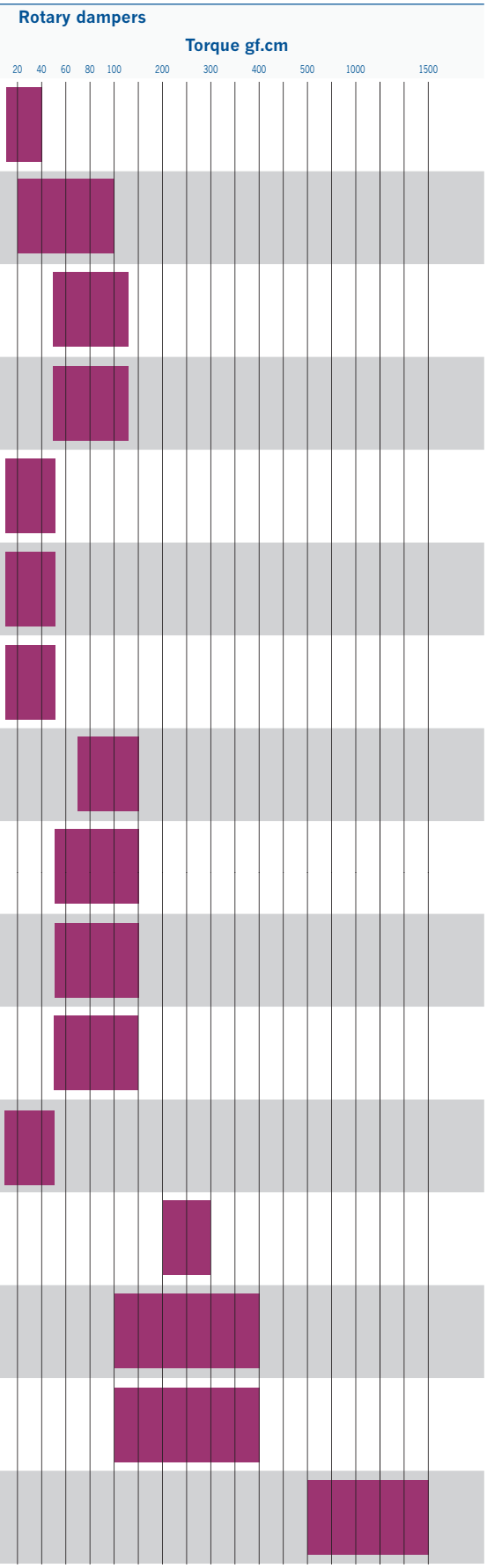

gf/cm
2000
1500
1000
500
AC0015 & AC0017
AC0010 & AC0102
AC0005 & AC0007
10
20
30
40
50
60
°C
Torque at different temperature (constant 20rpm)
gf/cm
2000
1500
1000
500
AC0015 & AC0017
AC0010 & AC0102
AC0005 & AC0007
10
20
30
40
50
60
rpm
Torque at different speed (constant 23°C)

Rotary Dampers

product selection chart

Product selection chart

	Part no.	Damping direction	Torque gf.cm
	Q3000	Two way	10 - 40
	Q3020	Two way	20 - 100
	Q3022	Two way	50 - 150
	Q3024	Two way	50 - 150
	Q3026	Two way	15 - 50
	Q3027	Two way	15 - 50
	Q3028	Two way	15 - 50
	Q3029	Two way	70 - 150
	Q3031	Two way	50 - 150
	Q3032	Two way	50 - 100
	Q3033	Two way	50 - 150
	Q3036	Two way	15 - 50
	Q3040	One/two way	200 - 300
	Q3042	Two way	100 - 400
	Q3044	Two way	100 - 400
	Q3060	One/two way	500 - 1500

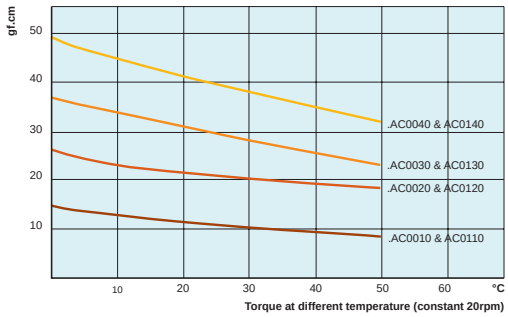


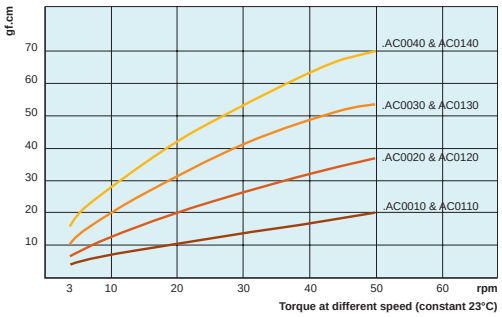
Follow the torque calculation formula opposite and utilise the following torque closing speed graphs to ensure the selected rotary damper best suits you application.

Torque closing speed graphs

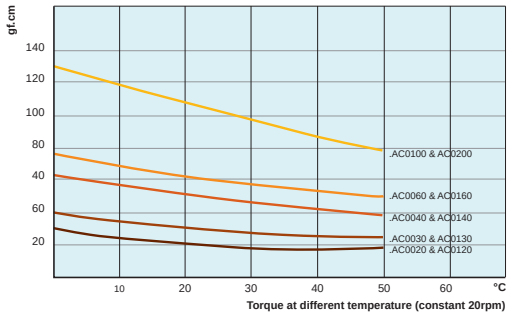
Torque graphs for temperature and speed

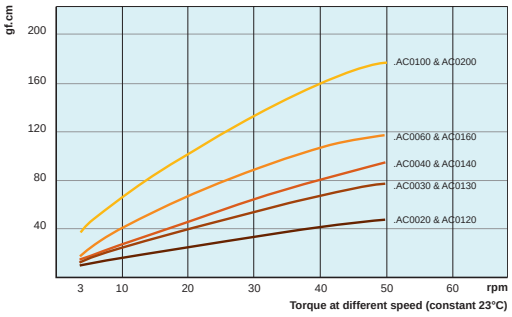
Q3000



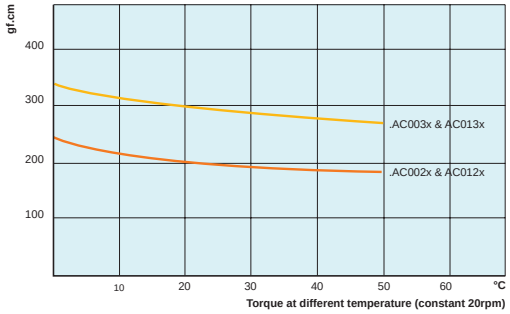


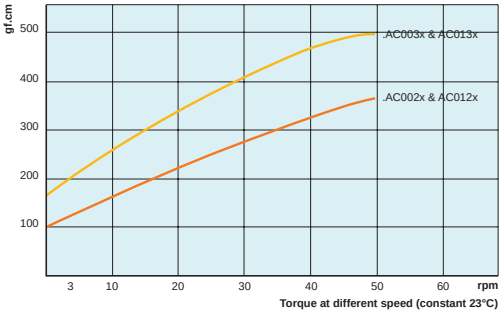
Q3020



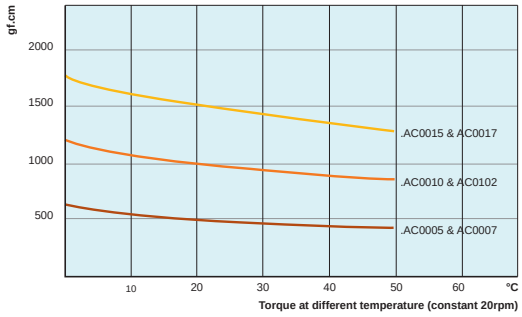


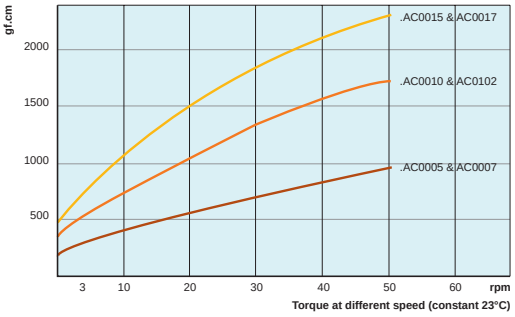
Q3040





Q3060





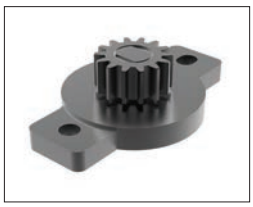
Rotary Dampers

bi or uni-directional continuous rotation

Solution for controlled opening and closing motion

Wixroyd rotary dampers offer controlled opening and closing of lids, drawers, covers and much more, they provide a range of solutions for a variety of applications creating smooth movement and function.

Though unnoticed in many applications, rotary dampers are a vital part of many products bringing quality, safety and durability. Rotary dampers provide quality movement enhancing both touch and feel. Available in unidirectional (single) dampening, or bi-directional (double) version. Also available with or without gears.




Rotary dampers

Rotary dampers utilise the principle of fluid resistance to reduce the speed of moving parts. The oil viscosity is utilised to provide the “braking force” of the damper. The torque or “braking force” can be adjusted by changing the viscosity of the oil. The advantages of the rotary type dampers are their compact size.

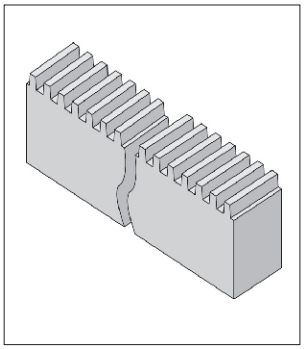
Applications

- Loading trays for CD, DVD, VCR, MD players.
- Arm rests, ashtrays, center consoles, glove boxes, handles and storage compartments in passenger vehicles.
- Camcorders, celular phones and small personal devices.

Operating principle

Rotary dampers utilise the movement of fluid forced from one chamber to another via a rotor. Dampening speed is dependent upon the viscosity of the fluid and the diameter of the fluid aperture.

Through the use of toothed plastic rack no. Q3150, rotary dampers with gears can be used to dampen on a linear plane rather than the normal dampening directly at the shaft.



Part no.	Q3200 to Q3260
Max. speed	50rpm
Max. cycle rate	10 cycles/min
Nominal torque rating	At 20rpm, 23°C (73°F)
Operating temperature	0 to 50°C (32 - 122F°)
Storage temperature	-20 to 60°C (-4 to 140°F)

Torque calculation

Note
Dampening direction is determined whilst looking directly onto the output shaft.

Important
Avoid side loading of the disk damper output shaft in order to maximise effectiveness.

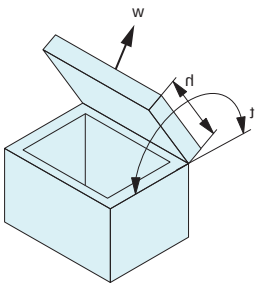
To calculate the torque for your application, the following measurements are necessary.

t (torque) = w x 0.5 x h

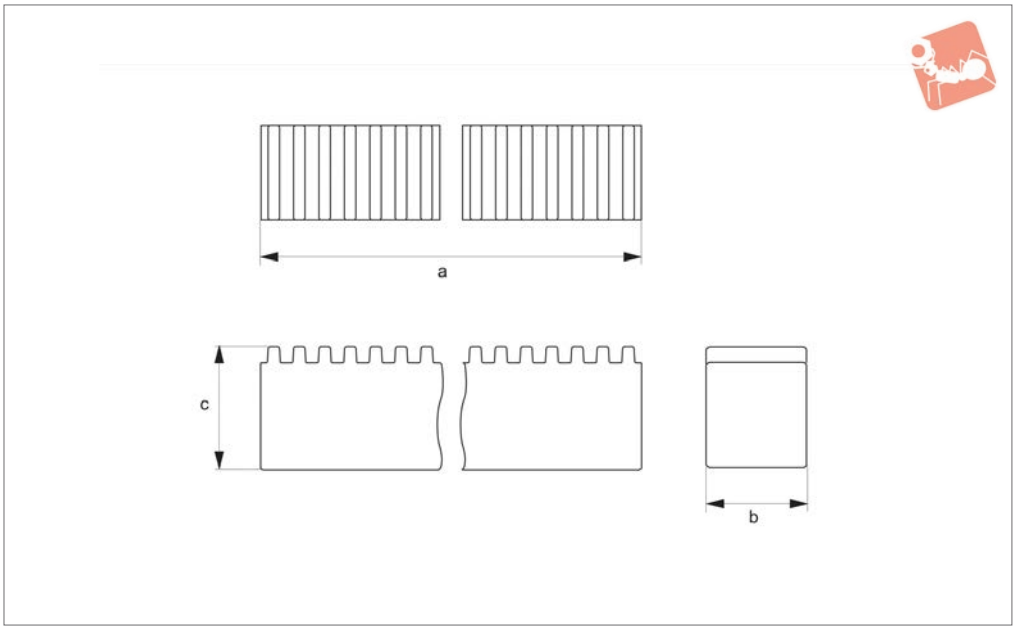
h = length from pivot point to end of lid (cm)

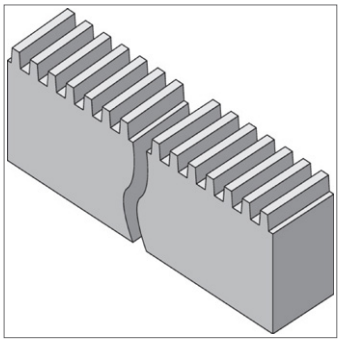
w = weight of the lid (Kg)

Torque force stated per product (see individual product pages), is the maximum torque to which the specified part can be exposed before the dampening force yields and hence dampening is overcome.



Important note: Once calculation has been made choose a disk damper from our range which can accommodate the newly calculated torque of the application. Use the damper closing speed graphs opposite to confirm that the rpm given at the corresponding torque value matches the desired lid closing speed. If the desired rpm is beyond the capacity of the selected damper, then select another damper with a higher torque rating and re-test. If the rpm is too slow select another damper with a lower torque rating and re-test.





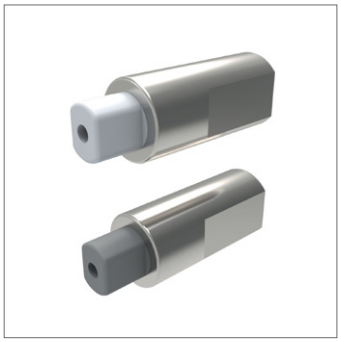
Q3150

Material
Plastic

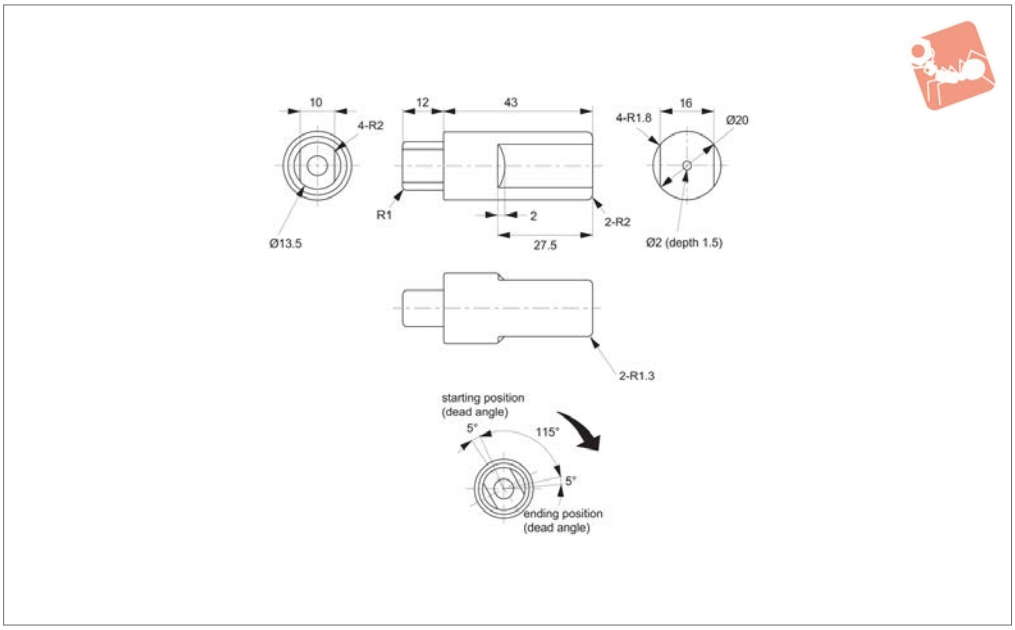
Technical Notes
For use with our geared rotary dampers Q3000 to Q3060.

Order No.	Type	Module	a	b	c
Q3150.AC0052	Rigid	0.5	250	4	6.0
Q3150.AC0062	Rigid	0.6	250	4	6.0
Q3150.AC0082	Rigid	0.8	250	6	8.0
Q3150.AC0102	Rigid	1.0	250	10	10.0

Torque Dampers
uni-directional - 115° operating angle



Q0400



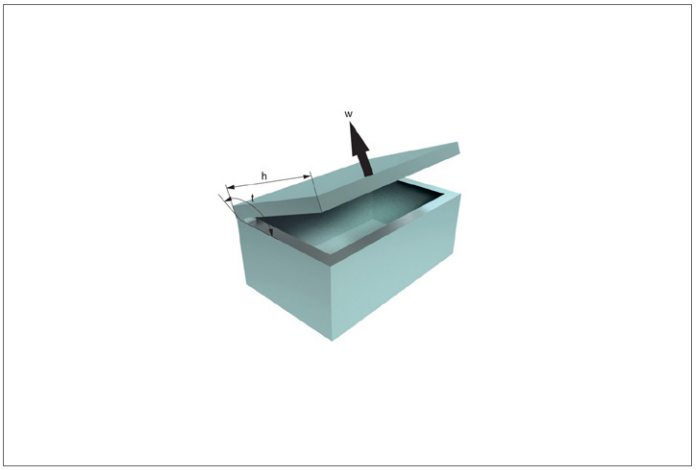
Material
Body: stainless steel, AISI 304.
Shaft: PBT plastic. White for anti-clockwise version, grey for clockwise version. Different torque forces marked by colour coded dot on shaft.

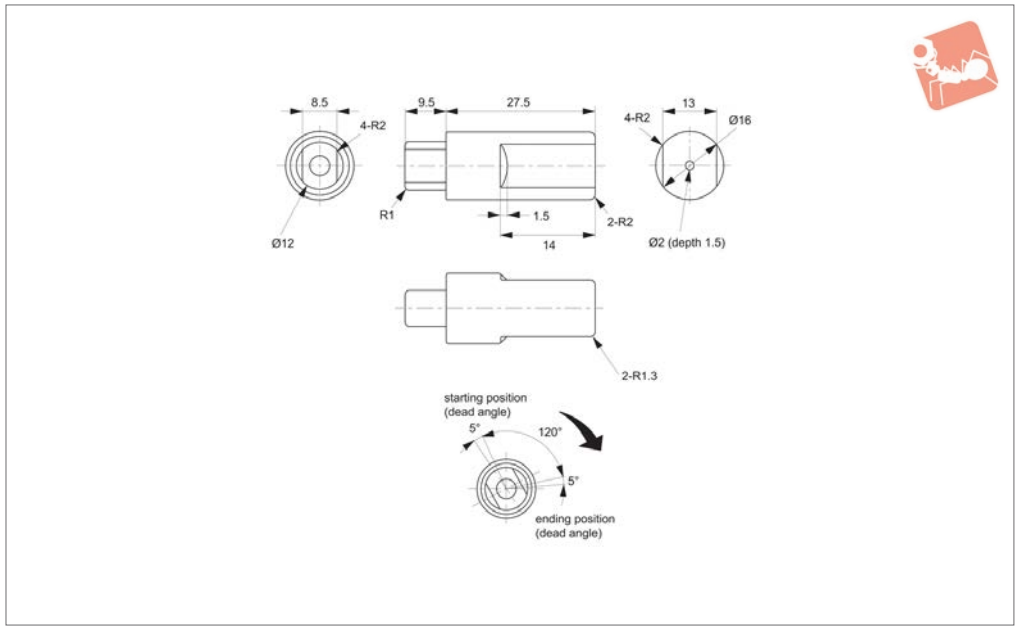
Technical Notes
115° operating angle, additional 5° dead angle at start/end position.
Tested to over 100,000 cycles.
Temperature range 0° to 40°C.

Tips
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Type	Shaft colour	Operating angle °	Torque kgf/cm	Torque colour marking	Weight g
Q0400.AC0010	Anti-Clockwise	White	115°	15 - 25	Blue	38
Q0400.AC0020	Anti-Clockwise	White	115°	25 - 35	Red	38
Q0400.AC0110	Clockwise	Grey	115°	15 - 25	Blue	38
Q0400.AC0120	Clockwise	Grey	115°	25 - 35	Red	38





Q0420

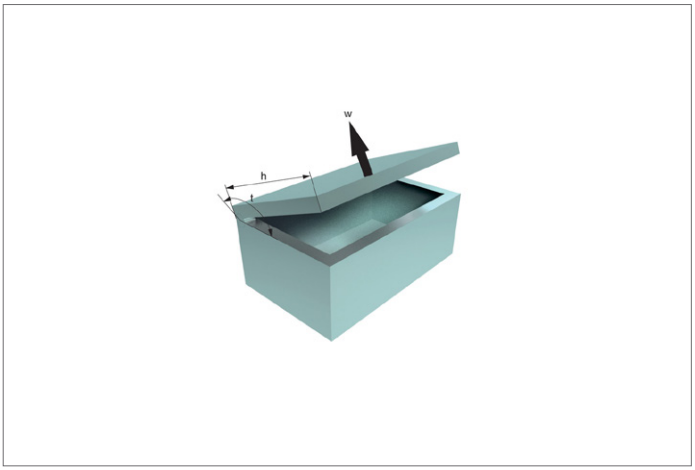
Material
Body: stainless steel, AISI 304.
Shaft: PBT plastic. White for anti-clockwise version, grey for clockwise version. Different torque forces marked by colour coded dot on shaft.

Technical Notes
120° operating angle, additional 5° dead angle at start/end position.
Tested to over 100,000 cycles.
Temperature range 0° to 40°C.

Tips
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

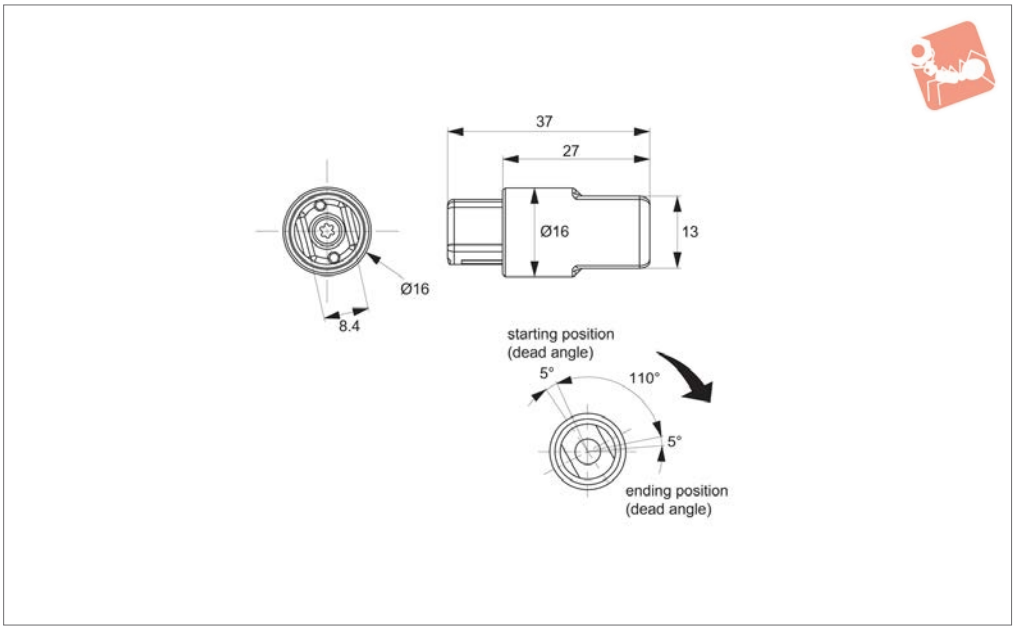
Order No.	Type	Shaft colour	Operating angle °	Torque kgf/cm	Torque colour marking	Weight g
Q0420.AW0010	Anti-Clockwise	White	120°	10,2 - 17,3	Green	16
Q0420.AW0020	Anti-Clockwise	White	120°	17,3 - 25,5	Black	16
Q0420.AW0110	Clockwise	Grey	120°	10,2 - 17,3	Green	16
Q0420.AW0120	Clockwise	Grey	120°	17,3 - 25,5	Black	16



Torque Dampers - Compact

uni-directional - 110° operating angle

Q0422



Material

Body: stainless steel, AISI 304.
Shaft: POM plastic. White for anti-clockwise version, black for clockwise version.
Oil: silicone oil.

Tips

Provides smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes

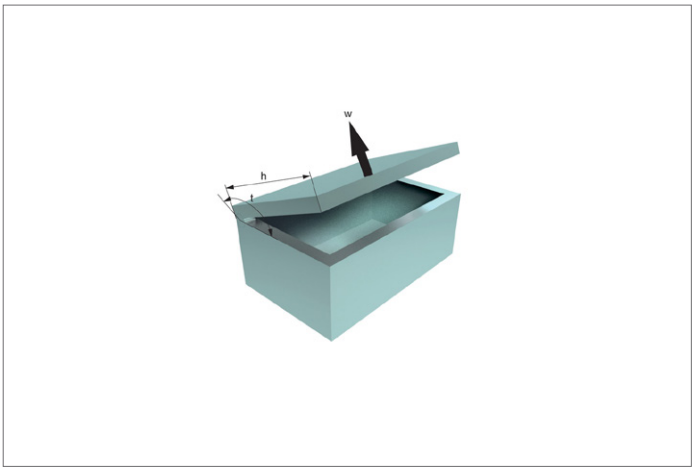
Rated torques measured at rotation speed of 20rpm, at 23°C.
Values ±20%.
Max. rotation speed 50rpm.
Max. cycle rate 10 cycle/min.
Operating temperature, -5° to 50°C.
Design tested to 50,000 cycles.

Torque calculation:
T(Kg.cm)=W(Kg) x H(cm) x 9.8/2.
W(Kg) is weight of cover/lid, H(cm) is distance between fulcrum and cover/lid's opening edge.

Q0422 is designed to generate a large torque just before a lid, closing from a vertical position; comes to full closure. See diagram a.

Q0422 should not be used for a lid closing from a horizontal start position, as the damper torque generated, just prior to closing, is too great causing the lid not to fully close. See diagram b.

Order No.	Damping direction	Shaft colour	Operating angle °	Torque kgf	Weight g
Q0422.AW0110	Clockwise	Black	110°	10	14
Q0422.AW0010	Anti-clockwise	White	110°	10	14
Q0422.AW0120	Clockwise	Black	110°	20	14
Q0422.AW0020	Anti-clockwise	White	110°	20	14
Q0422.AW0130	Clockwise	Black	110°	30	14
Q0422.AW0030	Anti-clockwise	White	110°	30	14


w
h
t

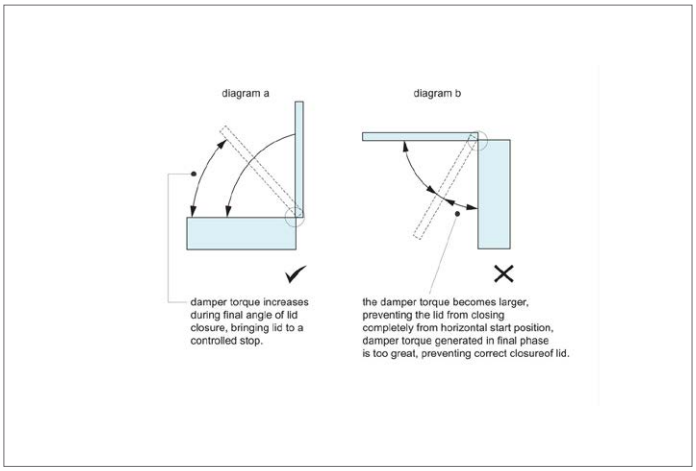
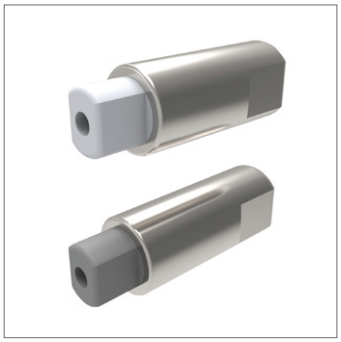
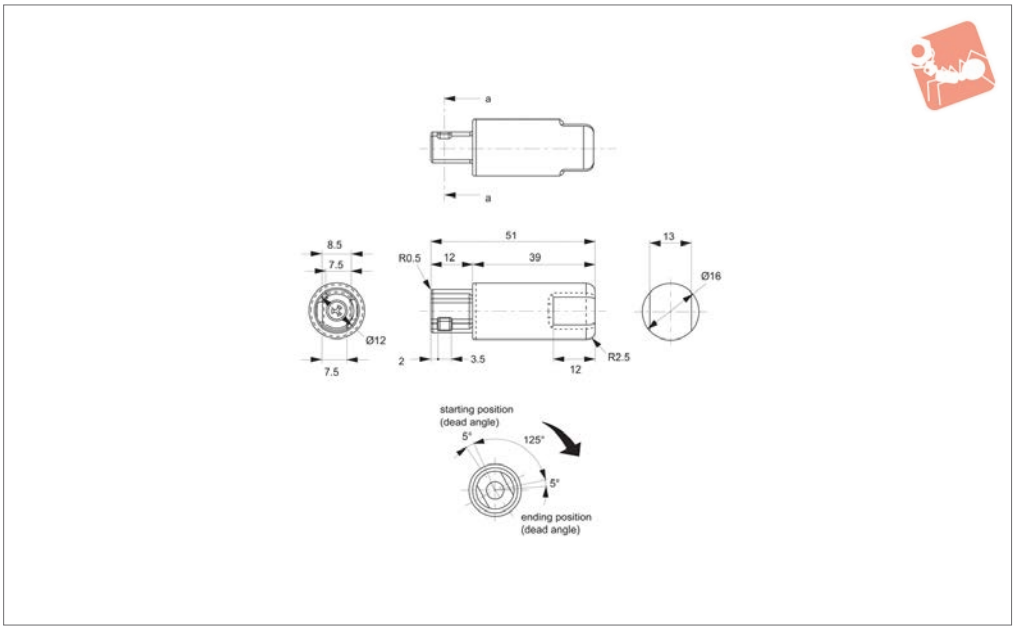


diagram a
diagram b
damper torque increases during final angle of lid closure, bringing lid to a controlled stop.
the damper torque becomes larger, preventing the lid from closing completely from horizontal start position, damper torque generated in final phase is too great, preventing correct closureof lid.

Torque Dampers
uni-directional - 125° operating angle



Q0430



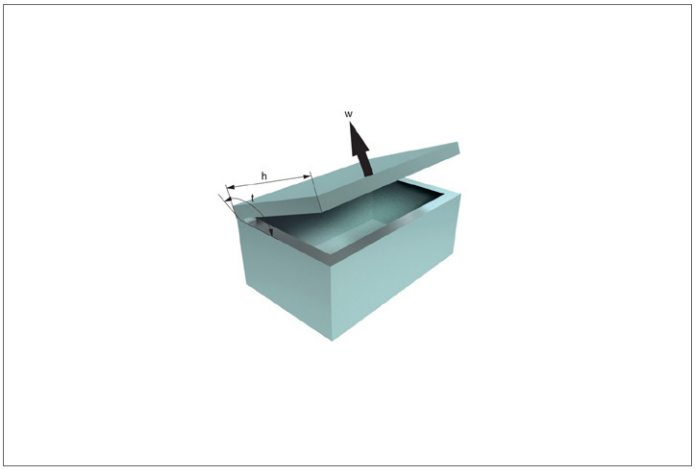
Material
Body: stainless steel, AISI 304.
Shaft: PBT plastic. White for anti-clockwise version, grey for clockwise version. Different torque forces marked by colour coded dot on shaft.

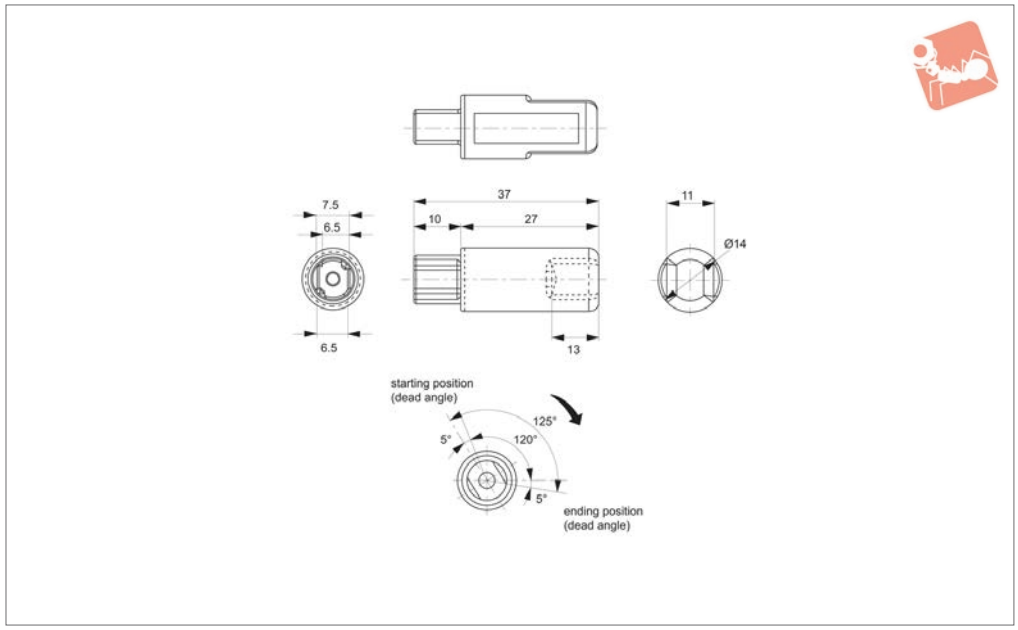
Technical Notes
125° operating angle, additional 5° dead angle at start/end position.
Tested to over 100,000 cycles.
Temperature range 0° to 40°C.

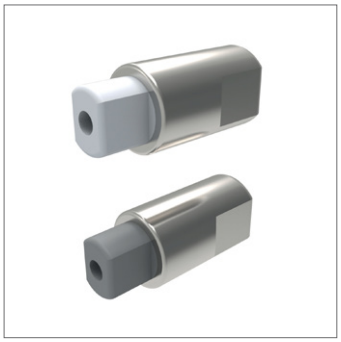
Tips
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Type	Shaft colour	Operating angle °	Torque colour marking	Damping torque kgf/cm	Weight g
Q0430.AC0010	Anti-Clockwise	White	125°	Blue	20,4 - 26,5	20
Q0430.AC0020	Anti-Clockwise	White	125°	Red	24,5 - 30,6	20
Q0430.AC0110	Clockwise	Grey	125°	Blue	20,4 - 26,5	20
Q0430.AC0120	Clockwise	Grey	125°	Red	24,5 - 30,6	20







Q0440

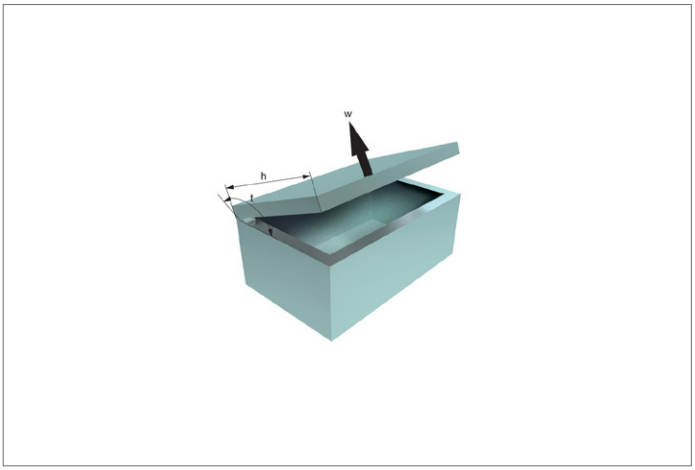
Material
Body: stainless steel, AISI 304. Shaft: PBT plastic. White for anti-clockwise version, grey for clockwise version. Different torque forces marked by colour coded dot on shaft.

Technical Notes
120° operating angle, additional 5° dead angle at start/end position.
Tested to over 100,000 cycles.
Temperature range 0° to 40°C.

Tips
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

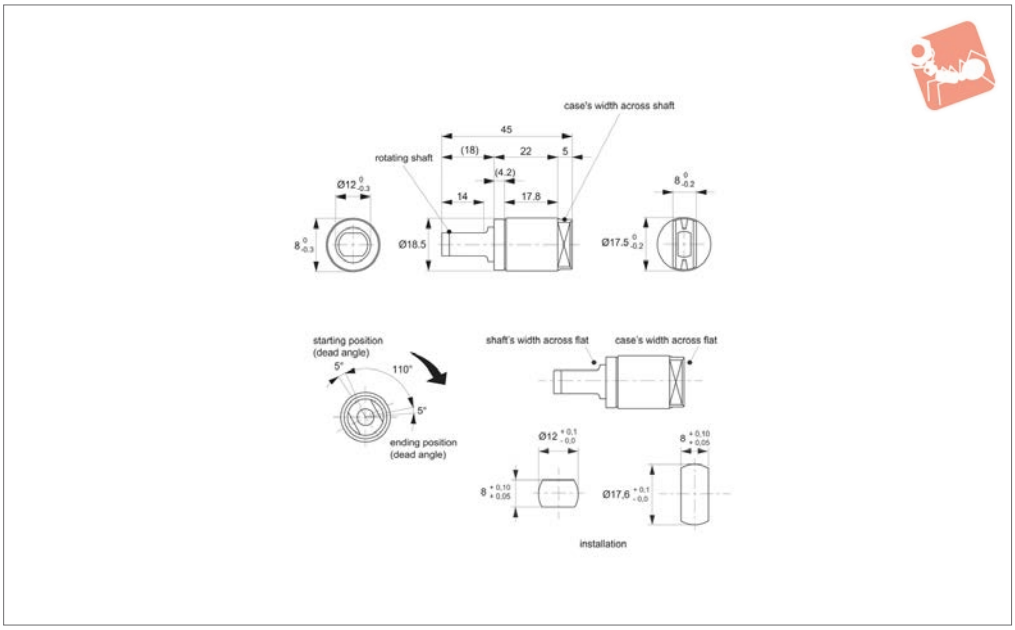
Order No.	Type	Shaft colour	Operating angle °	Torque colour marking	Torque Ncm	Weight g
Q0440.AC0010	Anti-Clockwise	White	120°	Blue	8,2 - 15,3	10
Q0440.AC0020	Anti-Clockwise	White	120°	Red	15,3 - 25,5	10
Q0440.AC0110	Clockwise	Grey	120°	Blue	8,2 - 15,3	10
Q0440.AC0120	Clockwise	Grey	120°	Red	15,3 - 25,5	10



Torque Dampers - Compact

uni-directional - 110° operating angle

Q0460



Material

Body: polybutylene terephthalate (PBT).
Shaft: polybutylene sulphide (PPS). White for anti-clockwise version, black for clock-wise version.
Oil: silicone oil.

Tips

Provides smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes

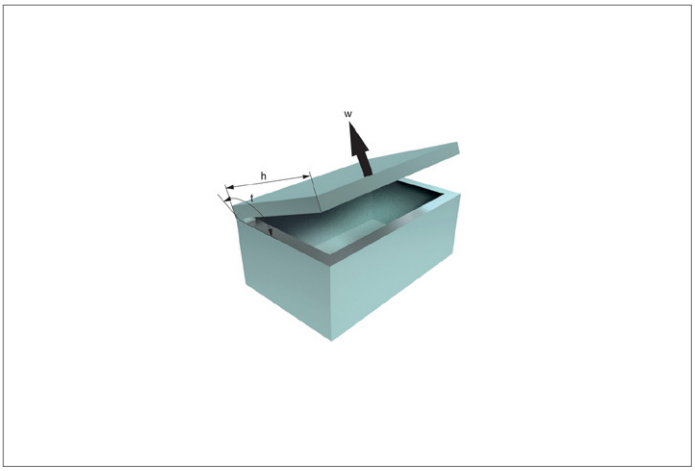
Rated torques measured at rotation speed of 20rpm, at 23°C.
Values ±20%.
Max. rotation speed 50rpm.
Max. cycle rate 10 cycle/min.
Operating temperature, -5° to 50°C.
Design tested to 50,000 cycles.

Torque calculation:
T(Kgf.cm)=W(Kg) x H(cm) x 9.8/2.
W(Kg) is weight of cover/lid, H(cm) is distance between fulcrum and cover/lid's opening edge.

Q0460 is designed to generate a large torque just before a lid, closing from a vertical position; comes to full closure. See diagram a.

Q0460 should not be used for a lid closing from a horizontal start position, as the damper torque generated, just prior to closing, is too great causing the lid not to fully close. See diagram b.

Order No.	Damping direction	Shaft colour	Operating angle °	Damping torque kgf/cm	Return damping torque kgf/cm	Weight g
Q0460.AW0110	Clockwise	Black	110°	10	3	10
Q0460.AW0010	Anti-clockwise	White	110°	10	3	10
Q0460.AW0115	Clockwise	Black	110°	15	5	10
Q0460.AW0015	Anti-clockwise	White	110°	15	5	10
Q0460.AW0118	Clockwise	Black	110°	18	8	10
Q0460.AW0018	Anti-clockwise	White	110°	18	8	10


w
h
t

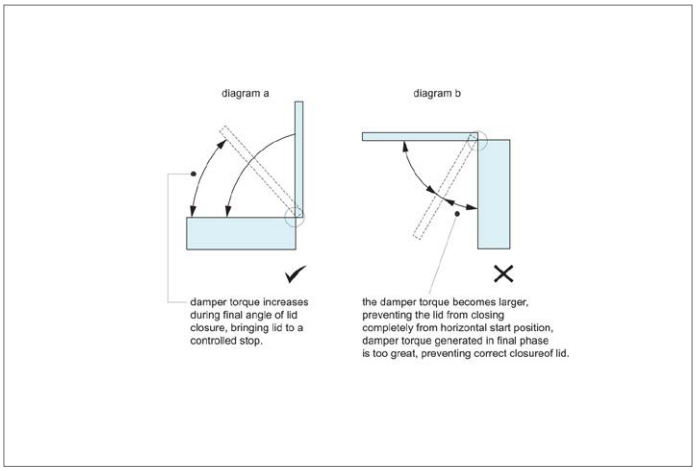
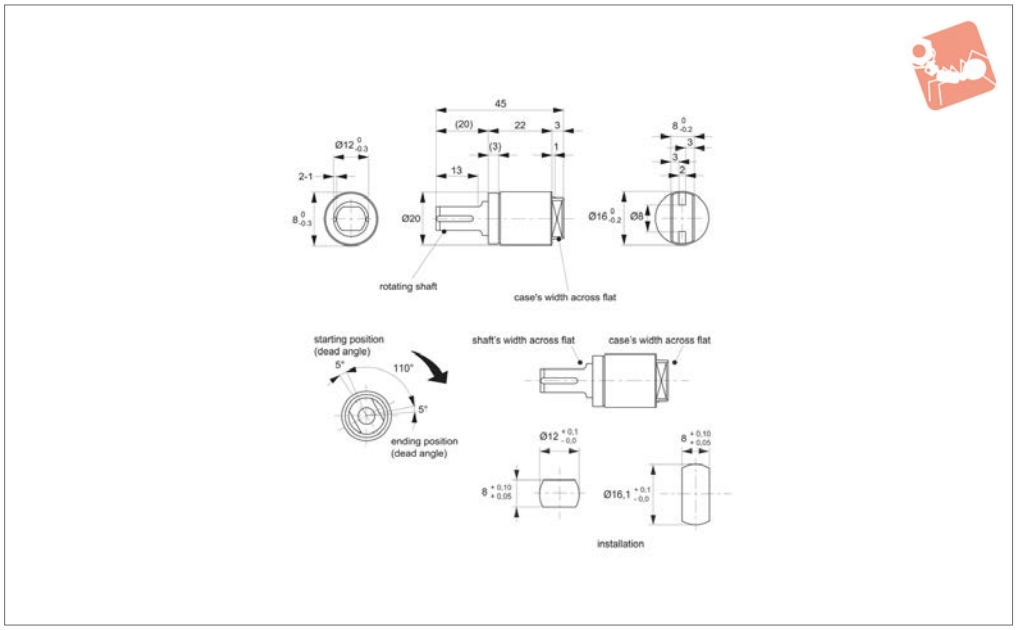


diagram a
diagram b
damper torque increases during final angle of lid closure, bringing lid to a controlled stop.
the damper torque becomes larger, preventing the lid from closing completely from horizontal start position, damper torque generated in final phase is too great, preventing correct closureof lid.

Torque Dampers - Compact

with keyway - uni-directional - 110° operating

Q0462



Material

Body: polybutylene terephthalate (PBT). Shaft: polybutylene sulphide (PPS). White for anti-clockwise version, black for clockwise version.
Oil: silicone oil.

Tips

Provides smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.

Important Notes

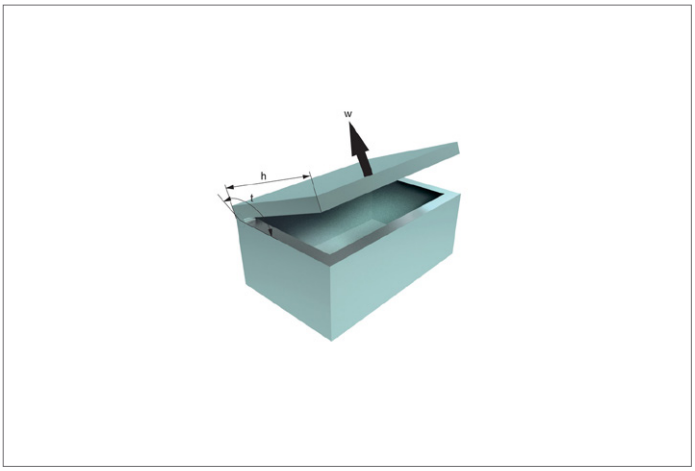
Rated torques measured at rotation speed of 20rpm, at 23°C. Values ±20%. Max. rotation speed 50rpm. Max cycle rate 10 cycle/min. Operating temperature, -5° to 50°C. Design tested to 50,000 cycles. Meets RoHS standards.

Torque calculation:
T(Kgf.cm)=W(Kg) x H(cm) x 9.8/2.
W(Kg) is weight of cover/lid, H(cm) is distance between fulcrum and cover/lid's opening edge.

Q0462 is designed to generate a large torque just before a lid, closing from a vertical position; comes to full closure. See diagram a.

Q0462 should not be used for a lid closing from a horizontal start position, as the damper torque generated, just prior to closing, is too great causing the lid not to fully close. See diagram b.

Order No.	Damping direction	Shaft colour	Operating angle °	Damping torque kgf/cm	Return damping torque kgf/cm	Weight g
Q0462.AW0110	Clockwise	Black	110°	10	2	12
Q0462.AW0010	Anti-clockwise	White	110°	10	2	12
Q0462.AW0120	Clockwise	Black	110°	20	4	12
Q0462.AW0020	Anti-clockwise	White	110°	20	4	12
Q0462.AW0130	Clockwise	Black	110°	30	8	12
Q0462.AW0030	Anti-clockwise	White	110°	30	8	12


w
h
t

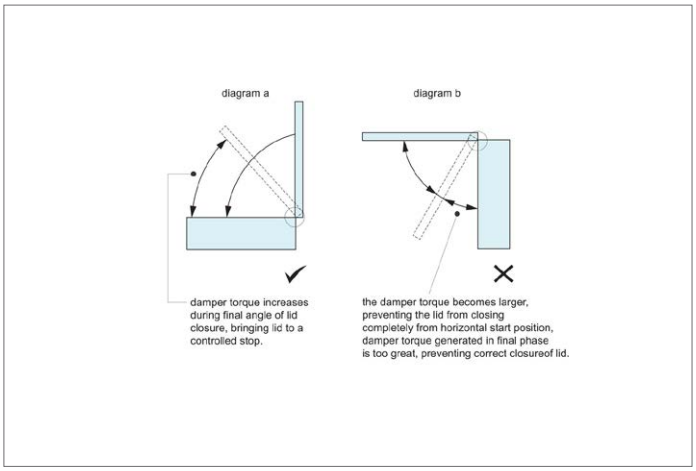
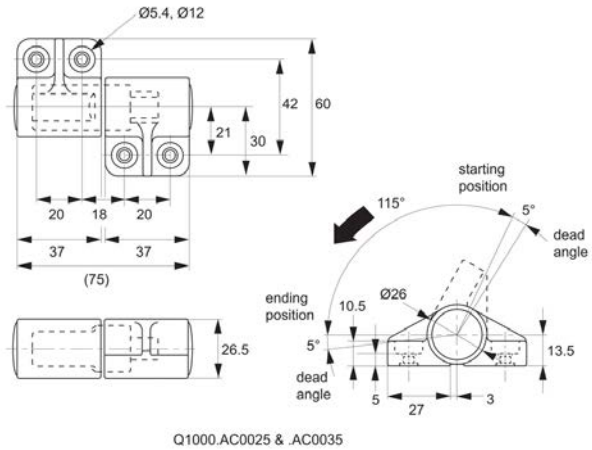


diagram a
diagram b
damper torque increases during final angle of lid closure, bringing lid to a controlled stop.
the damper torque becomes larger, preventing the lid from closing completely from horizontal start position, damper torque generated in final phase is too great, preventing correct closureof lid.

Soft Closing Hinge Set - Complete

with torque dampers - 115° operating angle

Q1000



Q1000.AC0025 & .AC0035

Material

Body: stainless steel, AISI 304.
Pin: PBT plastic. Bracket: PBT plastic with polypropylene cap.

Technical Notes

115° operating angle, additional 5° dead angle at start/end position.
Tested to over 100,000 cycles.
Temperature range -20° to 60°C.

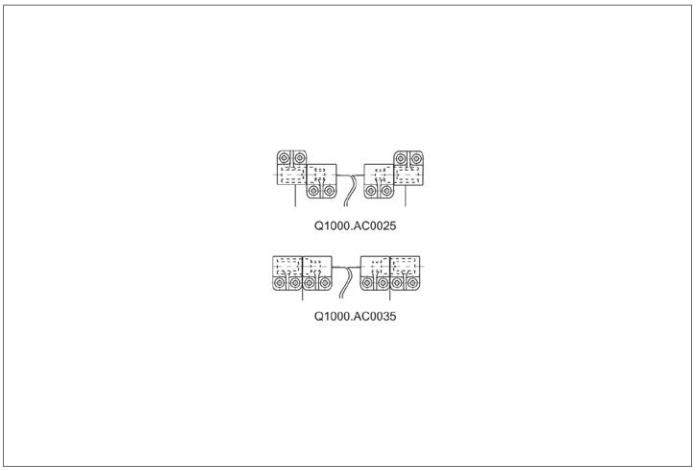
Tips

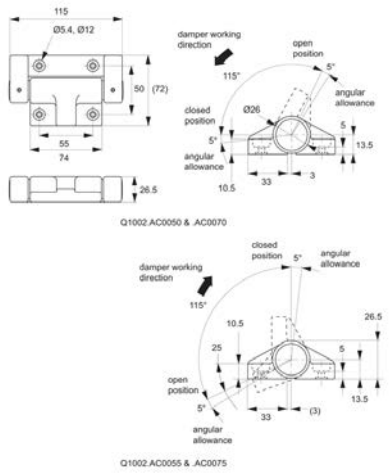
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.
For further details of torque damper used in hinge refer to part Q0400.
Sold as a matching pair (left/right).

Important Notes

Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Damping direction	Contains damper	Operating angle °	Torque/pair kgf/cm
Q1000.AC0025	1 x Clockwise 1 x Anti-Clockwise	1 off Q0400.AC0010 & Q0400.AC0110	115°	30 - 50
Q1000.AC0035	1 x Clockwise 1 x Anti-Clockwise	1 off Q0400.AC0020 & Q0400.AC0120	115°	50 - 70





Q1002

Material
Body: stainless steel, AISI 304. Pin: PBT plastic.
Bracket: PBT plastic with polypropylene cap.

Technical Notes
115° operating angle, additional 5° dead angle at start/end position.

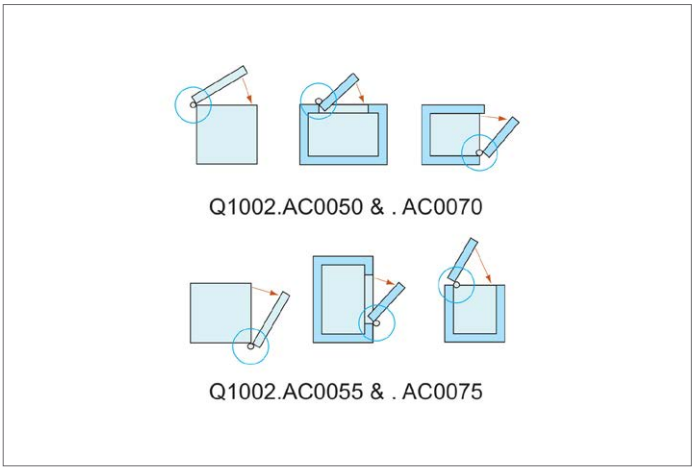
Tested to over 100,000 cycles.
Temperature range -20° to 60°C.

Tips
Provide smooth and quiet motion of lids, covers etc. Ideal for special purpose machines, air conditioning units etc.
For further details of torque damper used in hinge refer to part Q0400.

Sold as individual piece.

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

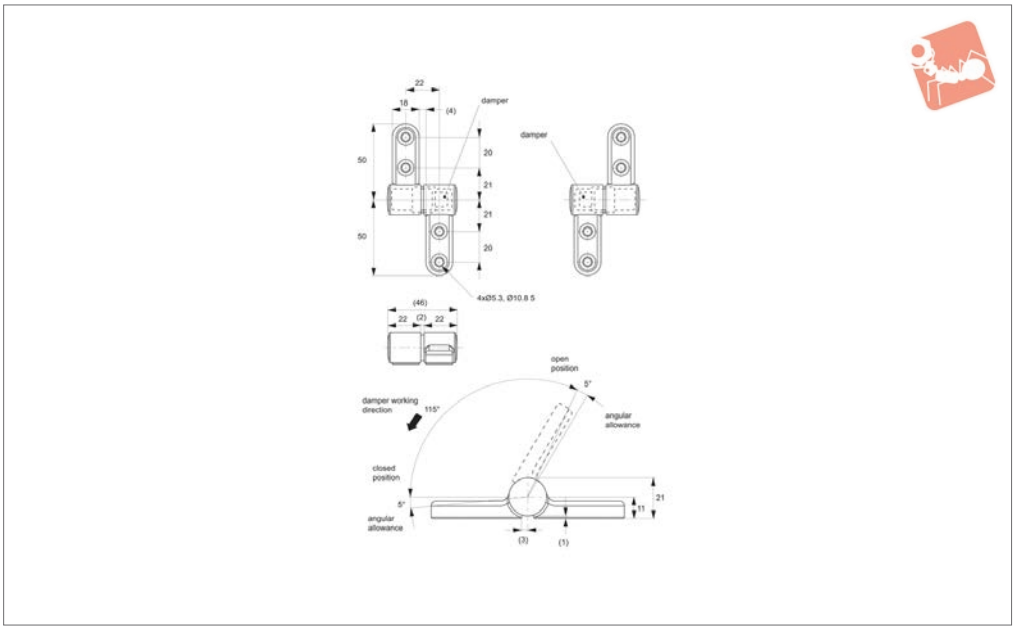
Order No.	Damping direction	Contains damper	Damping action	Operating angle °	Torque/pair kgf/cm
Q1002.AC0050	Anti-Clockwise	1 off Q0400.AC0010 & Q0400.AC0110	Closing	115°	60 - 100
Q1002.AC0055	Anti-Clockwise	1 off Q0400.AC0010 & Q0400.AC0110	Opening	115°	60 - 100
Q1002.AC0070	Clockwise	1 off Q0400.AC0020 & Q0400.AC0120	Closing	115°	100 - 140
Q1002.AC0075	Clockwise	1 off Q0400.AC0020 & Q0400.AC0120	Opening	115°	100 - 140



Soft Closing Hinge Set - Complete

with torque dampers - 115° operating angle

Q1010



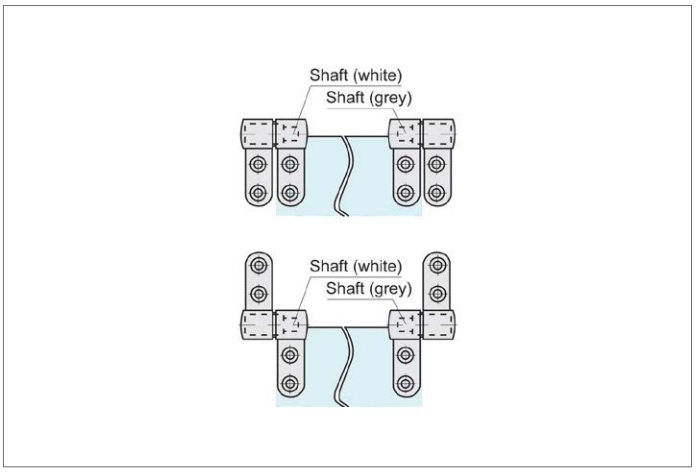
Material
Body: stainless steel, AISI 316.

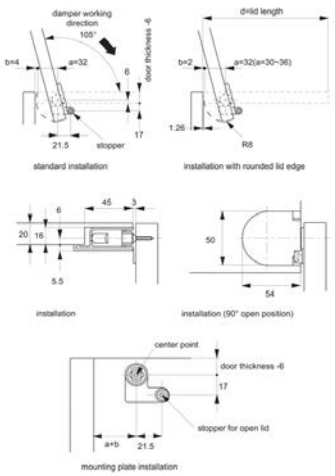
Technical Notes
Soft closing damper hinge prevents lids from slamming shut. 115° operating , additional 5° dead angle at start/end position. Temperature range 0° to 40°C.

Tips
For further details of torque damper used in hinge refer to part Q0440.
Sold as a matching pair (left/right).

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Contains damper	Torque/pair kgf/cm
Q1010.AC0050	1 off Q0440.AC0010 & Q0440.AC0110	30 - 51





Q1050

Material
Hinge mounting plate: aluminium, black.
Hinge bracket: polyacetal, black.
Face plate: ABS plastic, black or white finish.

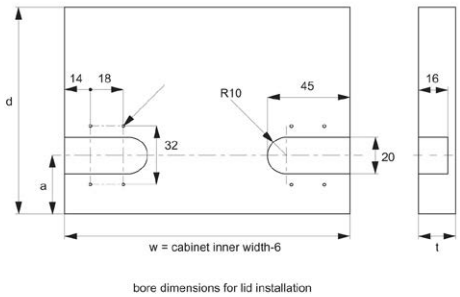
Technical Notes
Soft closing damper hinge prevents lids from slamming shut. 115° operating angle, additional 5° dead angle at start/ end position. Temperature range 0° to 40°C.

Tips
For further details of torque damper used in hinge refer to part Q0420.

Sold as matching pair (left/right).

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

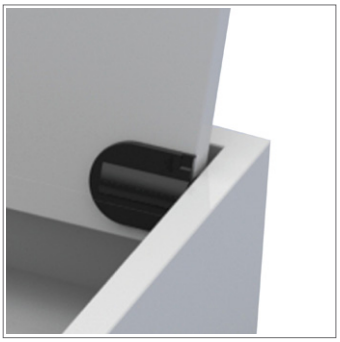
Order No.	Type	Contains damper	Finish	Torque/pair kgf/cm	Weight/pair g
Q1050.AC0035	Hinge	1 off Q0420.AC0010 & Q420.AC0110	Black	20 - 34	91
Q1050.AC0050	Hinge	1 off Q0420.AC0020 & Q420.AC0120	Black	34 - 50	91
Q1050.AC9010	Face Plate	-	Black	-	12
Q1050.AC9020	Face Plate	-	White	-	12



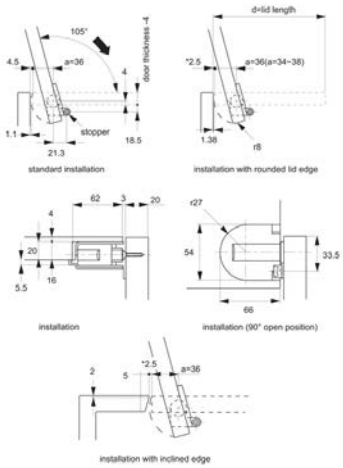
bore dimensions for lid installation

Soft Closing Hinge Set - Complete

with torque dampers - 115° operating angle



Q1060



Material

Hinge mounting plate: aluminium, black.
Hinge bracket: polyacetal, black.
Face plate: ABS plastic, black or white finish.

Technical Notes

Soft closing damper hinge prevents lids from slamming shut. 115° operating angle, additional 5° dead angle at start/ end position. Temperature range 0° to 40°C.
Please note the hinge itself is black for both models. The cover plate is either black or white.

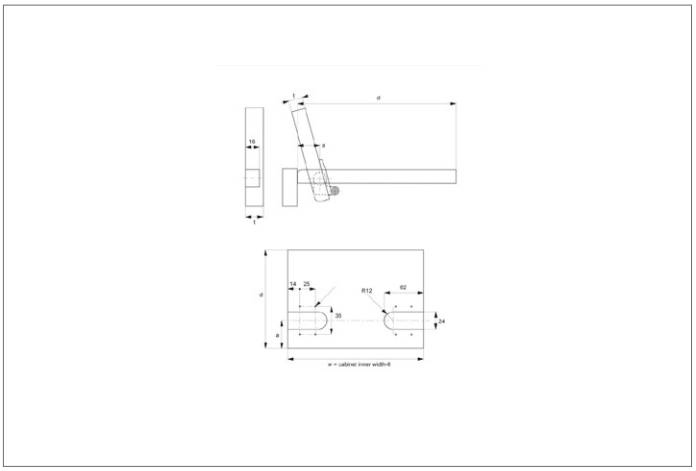
Tips

For further details of torque damper used in hinge refer to part Q0420.
Sold as matching pair (left/right).

Important Notes

Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Type	Contains damper	Finish	Torque/pair kgf/cm	Weight/pair g
Q1060.AC0080	Hinge	1 off Q0420.AC0010 & Q0420.AC0110	Black	61 - 81	103
Q1060.AC0180	Hinge	1 off Q0420.AC0010 & Q0420.AC0110	White	61 - 81	103



Wixroyd torque dampers offer controlled opening and closing of lids, drawers, covers and much more, they provide a wide range of solutions for a variety of applications creating smooth movement and function.

Though unnoticed in many applications, torque dampers are a vital part of many products bringing quality, safety and durability. Torque dampers provide quality movement enhancing both touch and feel.

Operating principle

Torque dampers utilise the movement of fluid forced from one chamber to another via a rotor. Dampening speed is dependent upon the viscosity of the fluid and the diameter of the fluid aperture.

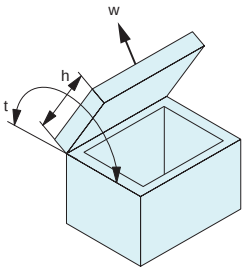
Torque calculation

To calculate the torque for your application, the following measurements are necessary.

t (torque) = w x 0.5 x h

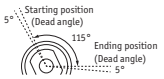
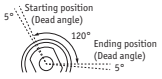
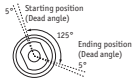
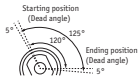
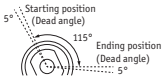
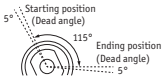
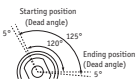
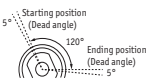
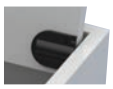
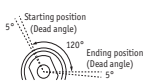
h = length from pivot point to end of lid (cm)

w = weight of the lid (Kg)



Torque force stated per product (see individual product pages), is the maximum torque to which the specified part can be exposed before the dampening force yields and hence dampening is overcome.

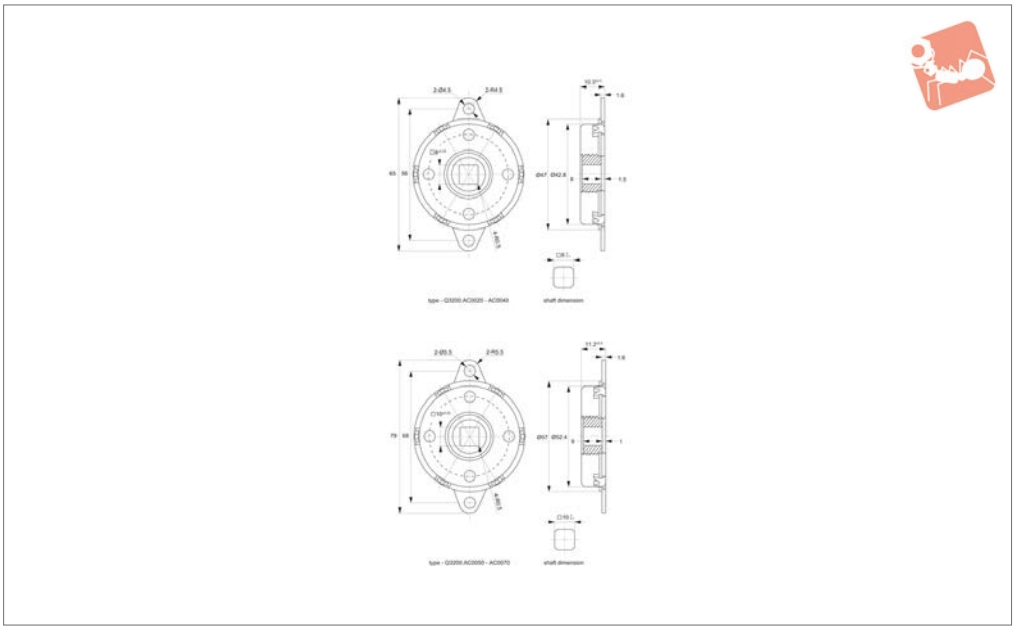
Table of torque dampers: Torque ranges

	Part no.	Torque damper range	Torque Kgf.cm
	Q0400		15 - 35
	Q0420		10 - 25
	Q0422		10 - 35
	Q0430		20 - 30
	Q0440		8 - 25
	Q0460		10 - 18
	Q0462		10 - 30
	Q1000		30 - 70
	Q1002		60 - 140
	Q1010		30 - 50
	Q1050		20 - 50
	Q1060		61 - 81

Disk Dampers

bi-directional - continuous rotation - up to 47 Kgf.

Q3200

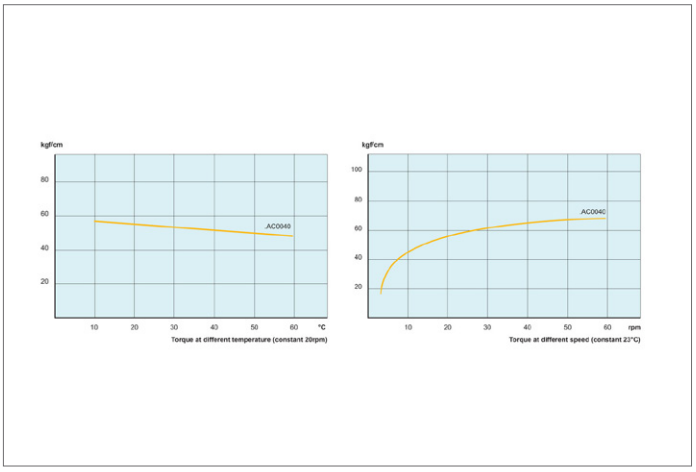


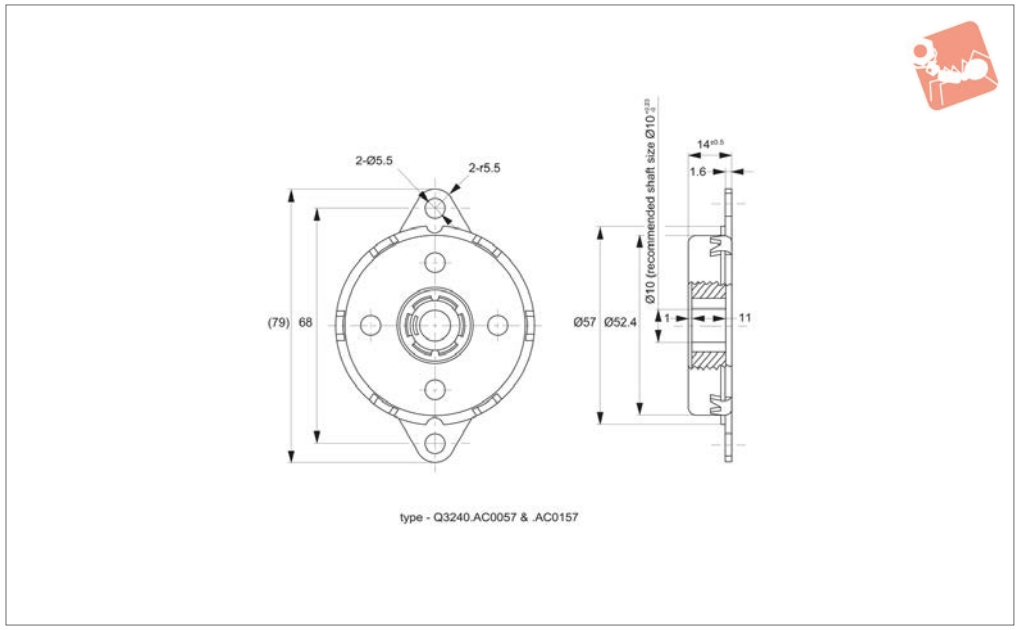
Material
Body: iron (SPFC).
Shaft: nylon (with glass).
Oil: silicone.

Important Notes
Temperature range -10° to 50°C.

Rotational speed 20rpm at 23°±3C°
Rotational speed 50rpm max.
Cycle rate 12 cycle/min.
Dampers are both clockwise and counter clockwise.
Damper can only take torque load.

Order No.	Damping torque Nm ±0.5	Damping direction	Weight g
Q3200.AC0020	2	Bi-directional	75
Q3200.AC0030	3	Bi-directional	75
Q3200.AC0040	4	Bi-directional	75
Q3200.AC0050	5	Bi-directional	75
Q3200.AC0060	6	Bi-directional	75
Q3200.AC0070	7	Bi-directional	75





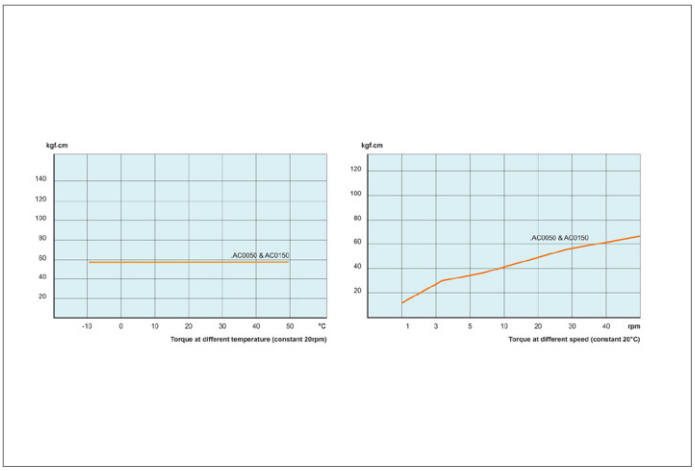
Q3240

Material
Body: iron (SPFC).
Shaft: nylon (with glass).
Oil: silicone.

Technical Notes
When inserting shaft, insert by rotating shaft in opposite direction to the dampening direction.
Damper can only take torque load.

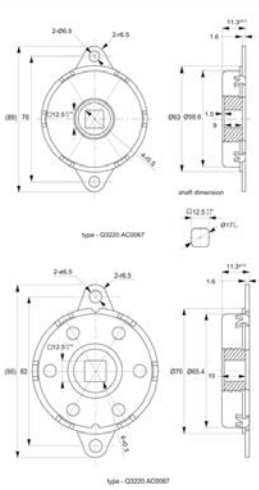
Important Notes
Temperature range -10° to 50°C.
Rotational speed 20rpm at 23°±3C°.
Rotational speed 50rpm max.
Cycle rate 12 cycle/min.
Dampers are both clockwise and counter clockwise.
Shaft: recommended shaft size Ø10, hardness HRC55, roughness 1.02 or lower

Order No.	Damping torque Nm ±0.5	Damping direction	Weight g
Q3240.AC0040	4.0	Clockwise	94
Q3240.AC0140	4.0	Counter-clockwise	94
Q3240.AC0050	5.0	Clockwise	94
Q3240.AC0060	6.0	Clockwise	94
Q3240.AC0150	5.0	Counter-clockwise	94
Q3240.AC0160	6.0	Counter-clockwise	94
Q3240.AC0070	7.0	Clockwise	94
Q3240.AC0170	7.0	Counter-clockwise	94



Disk Dampers
bi-directional - continuous rotation - up to 87 Kgf.

Q3220

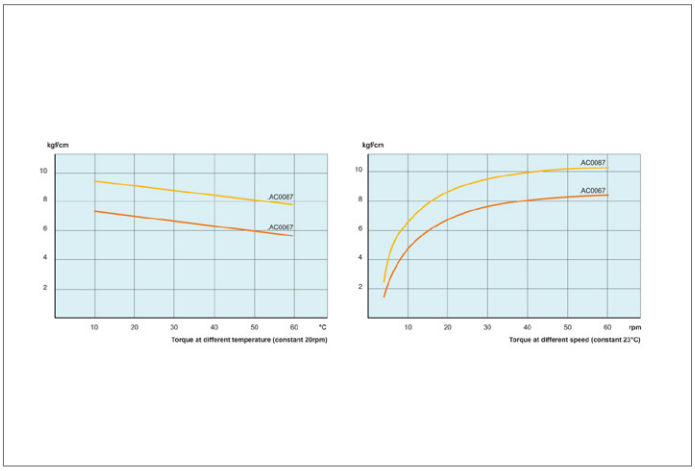


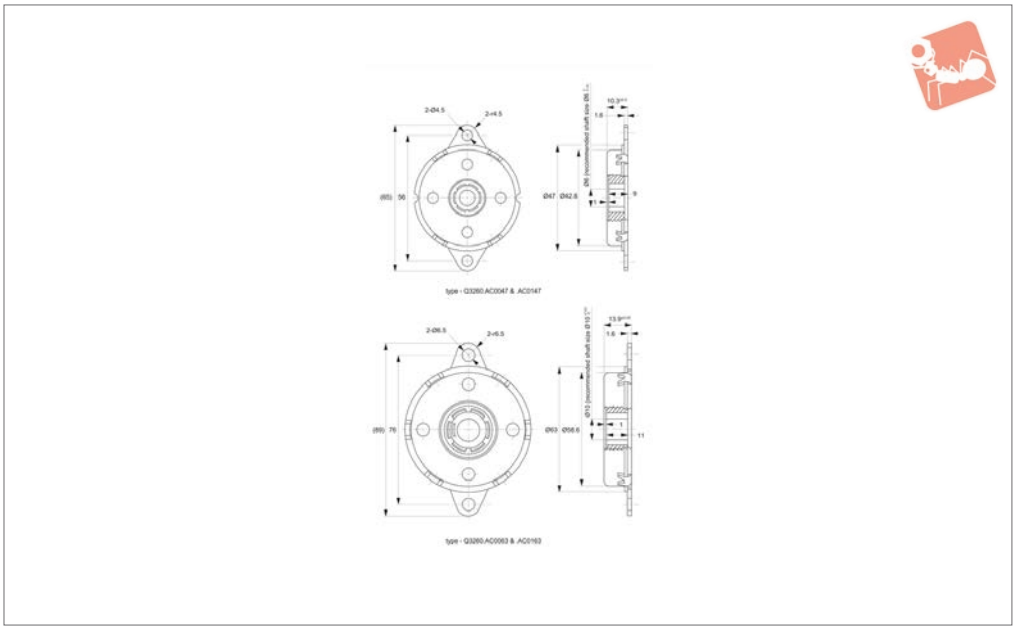
Material
Body: steel
Socket: nylon with glass fibre
Operating fluid: silicone oil.

Tips
For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.
Damper can only take torque load.

Important Notes
Temperature range -10°c to +50°c.
Rotational speed 50 rpm max.
Cycle rate 12 cycles/min.
External support for shaft required.

Order No.	Damping torque kgf/cm	Weight capacity kg max.	Weight g
Q3220.AC0067	67	0.12	92
Q3220.AC0087	87	0.12	112





Q3260

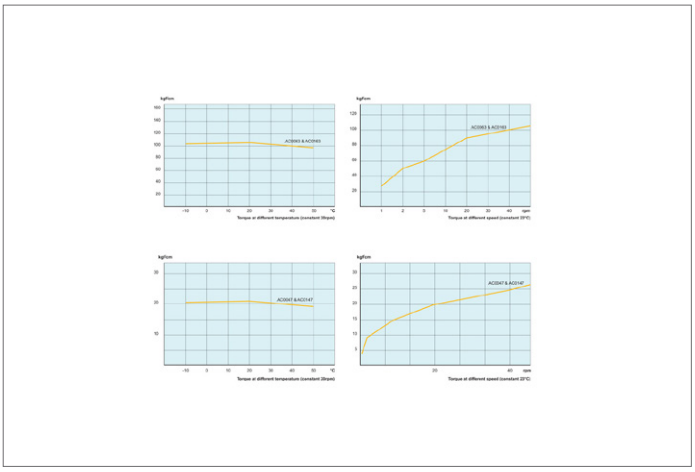
Material
Body: steel
Socket: nylon with glass fibre.
Operating fluid: silicone oil.

Technical Notes
Shaft specifications:
Min hardness - 55HRC (min 0.5mm depth).
Surface roughness - 1.0µm.
End chamfering - R0.2/R0.3.

Tips
For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.
When inserting shaft, insert by rotating shaft in the opposite direction of the dampening direction.
Damper can only take torque load.

Important Notes
Temperature range -10°C to +50°C.
Rotational speed 50rpm max.
Cycle rate 12 cycles/ min.
External support for shaft required.

Order No.	Damping direction	Damping torque kgf/cm	For shaft dia. mm 0|-0.03	Weight capacity kg max.	Weight g
Q3260.AC0047	Clockwise	20	6	0.12	55
Q3260.AC0147	Counter Clockwise	20	6	0.12	55
Q3260.AC0063	Clockwise	85	10	0.12	115
Q3260.AC0163	Counter Clockwise	85	10	0.12	115



Disk Dampers

bi or uni-directional continuous rotation

Solution for controlled opening and closing motion

Wixroyd disk dampers offer controlled opening and closing of lids, drawers, covers and much more, they provide a range of solutions for a variety of applications creating smooth movement and function. Though unnoticed in many applications, disk dampers are a vital part of many products bringing quality, safety and durability.
Disk dampers provide quality movement enhancing both touch and feel. Available in uni-directional (single) dampening, or bi-directional (double) version.




Disk dampers

Introduction

Disk dampers utilise the principle of fluid resistance to reduce the speed of moving parts. The oil viscosity is utilised to provide the "braking force" of the damper. The torque or "braking force" can be adjusted by changing the viscosity of the oil.

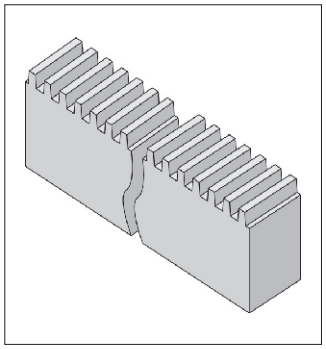
Applications

- Loading trays for CD, DVD, VCR, MD players.
- Arm rests, ashtrays, center consoles, glove boxes, handles and storage compartments in passenger vehichles.
- Camcorders, cellular phones and small personal devices.

Operating principle and general specification

Disk dampers utilise the movement of fluid forced from one chamber to another via a rotor. Dampening speed is dependent upon the viscosity of the fluid and the diameter of the fluid aperture.

Through the use of toothed plastic rack no. Q3150, disk dampers can be used to dampen on a linear plane rather than the normal dampening directly at the shaft.



Part no.	Q3200 to Q3260
Max. speed	50rpm
Max. cycle rate	12 cycles/min
Nominal torque rating	At 20rpm, 23°C (73°F)
Operating temperature	-10 to 50°C (14 - 122F°)
Storage temperature	-20 to 60°C (-4 to 140°F)

Torque calculation

Note
Dampening direction is determined whilst looking directly onto the output shaft.

Important
Avoid side loading of the disk damper output shaft in order to maximise effectiveness.

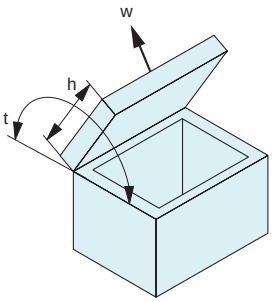
To calculate the torque for your application, the following measurements are necessary.

t (torque) = w x 0.5 x h

h = length from pivot point to end of lid (cm)

w = weight of the lid (Kg)

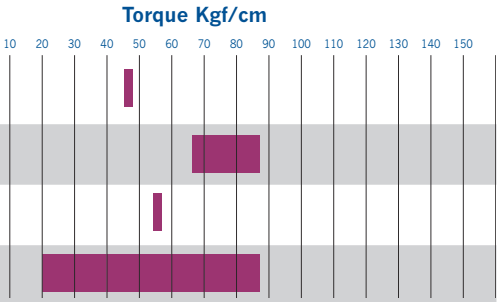
Torque force stated per product (see individual product pages), is the maximum torque to which the specified part can be exposed before the dampening force yields and hence dampening is overcome.



Important note: Once calculation has been made choose a disk damper from our range which can accommodate the newly calculated torque of the application. Use the damper closing speed graphs opposite to confirm that the rpm given at the corresponding torque value matches the desired lid closing speed. If the desired rpm is beyond the capacity of the selected damper, then select another damper with a higher torque rating and re-test. If the rpm is too slow select another damper with a lower torque rating and re-test.

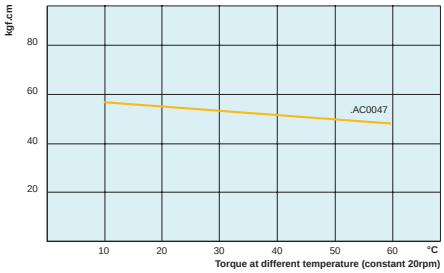
Rotary dampers

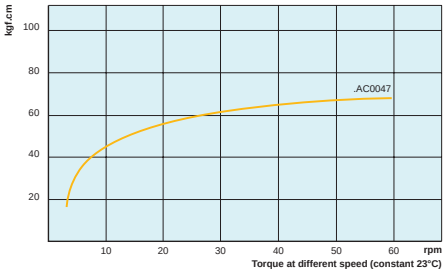
	Part no.	Damping direction	Torque Kgf/cm
	Q3200	Two way	47
	Q3220	Two way	67 - 87
	Q3240	One way	55
	Q3260	One way	20 - 85



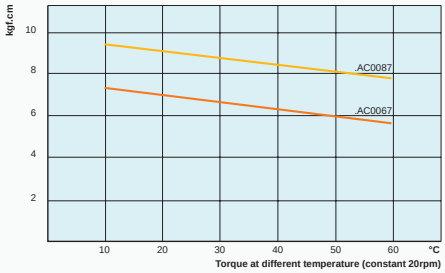
Disk dampers

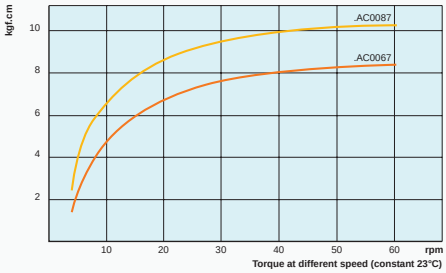
Q3200



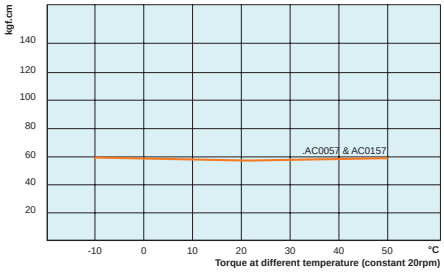


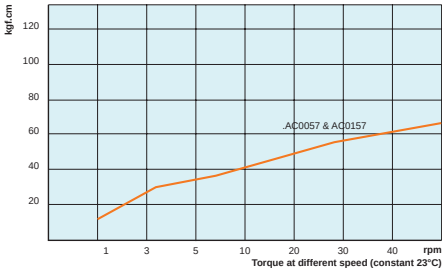
Q3220



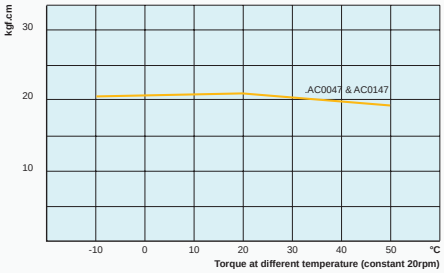


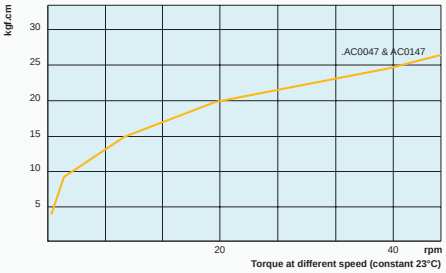
Q3240

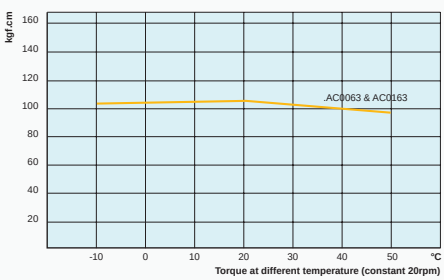


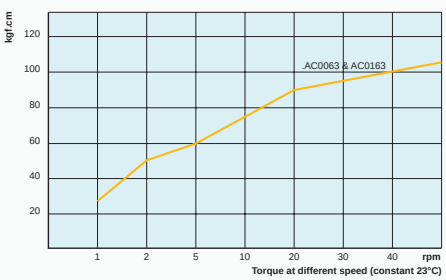


Q3260







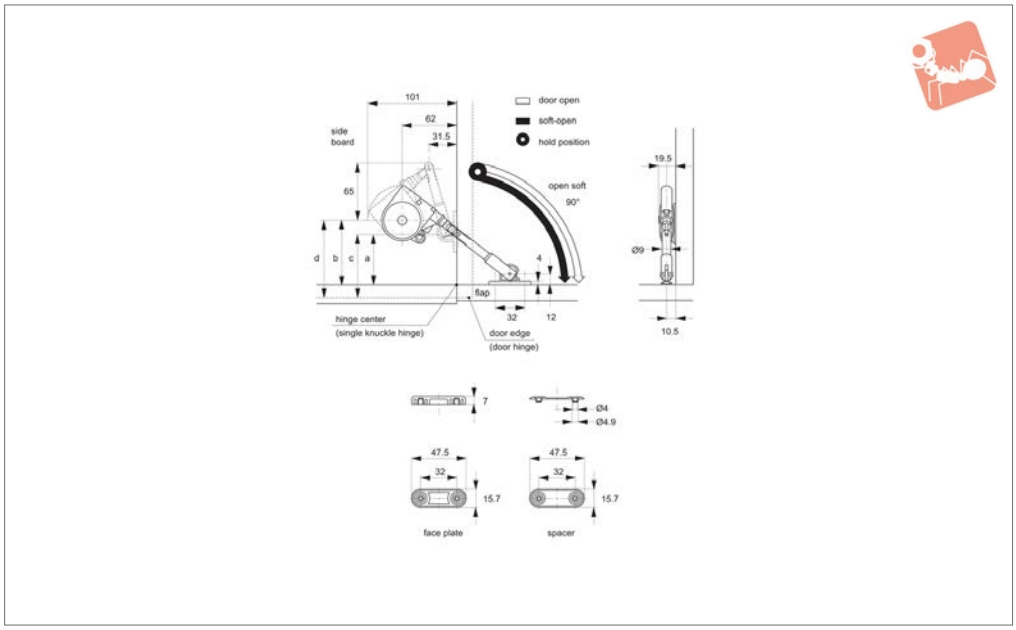


Torque graphs for temperature and speed

Follow the torque calculation formula opposite and utilise the following torque closing speed graphs to ensure the selected disk damper best suits you application.

Short Arm Soft-Opening Stays - for
90° opening angle - for TV/DVD and Hi-fi Cabinets

N0060



Material
Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

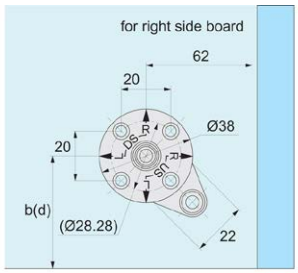
Technical Notes
For use with lids which are downward opening, with single knuckle or drop hinges. Short arm makes this stay suitable for low height applications such as TV/DVD and Hi-fi applications.
Designed to control speed at which a suitable lid opens, for smooth controlled motion.
Opening angle of 90°. Temperature range 0° to 40°C.
„With catch" type has catch to hold lid in closed position. „W/o catch" type requires external catch, such as a magnetic or touch latch, to retain lid.
Stay has sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips
Supplied with mounting plate. Please order coverplate, to your desired colour serately. Optional cover plates available for glass door applications, please order separately.

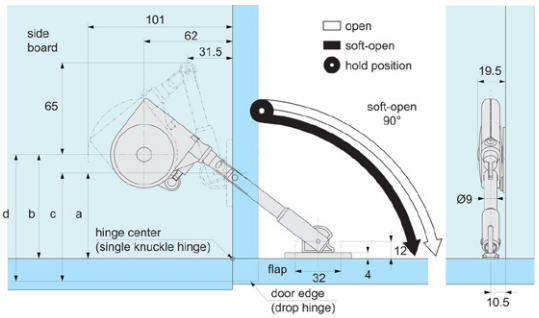
Important Notes
For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg.

Order No.	Type	Colour	Acceptable load bearing single kg/cm min.|max.	Acceptable load bearing pair kg/cm min.|max.	Weight g
N0060.AC0010	W/o Catch	White	0,5 to 12,0	10 to 24	140
N0060.AC0020	W/o Catch	Black	0,5 to 12,0	10 to 24	140
N0060.AC0110	With Catch	White	0,5 to 12,0	10 to 24	140
N0060.AC0120	With Catch	Black	0,5 to 12,0	10 to 24	140



Mounting plate installation

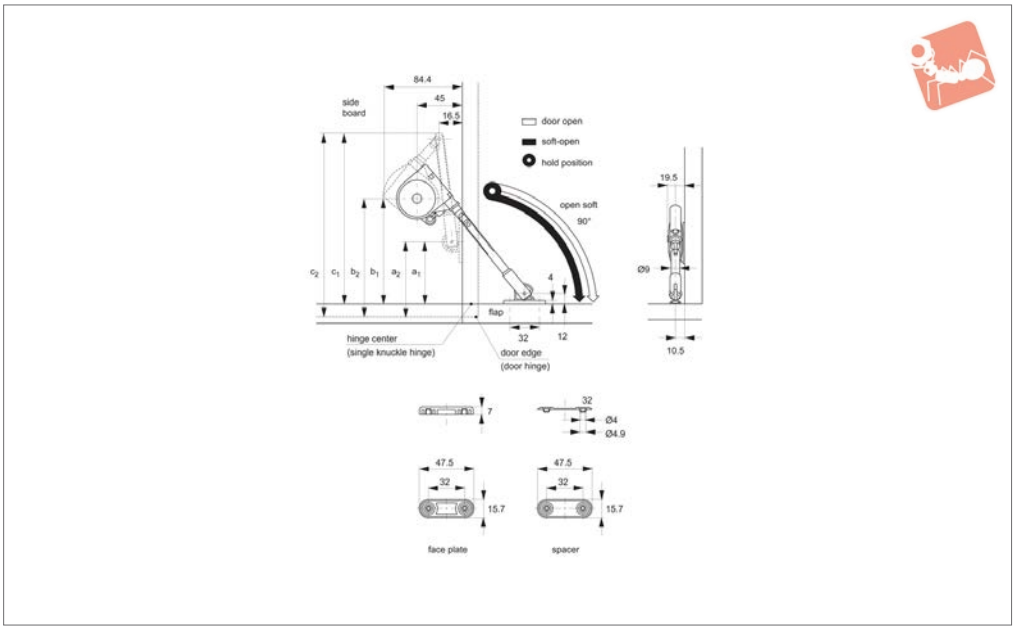


Soft down stay installation

Soft-Opening Stays - for Downward

90° opening angle

N0070



Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

Technical Notes

For use with lids which are downward opening, with single knuckle or drop hinges. Longer arm for higher load bearing capacity applications.
Designed to control speed at which a suitable lid opens, for smooth controlled motion.
Opening angle of 90°. Temperature range 0° to 40°C.
Stay has an integrated catch to hold lid in closed position.

Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips

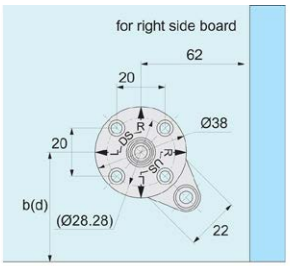
Supplied with mounting plate. Please order cover plate, to your desired colour separately.
Optional cover plates available for glass door applications, please order separately.

Important Notes

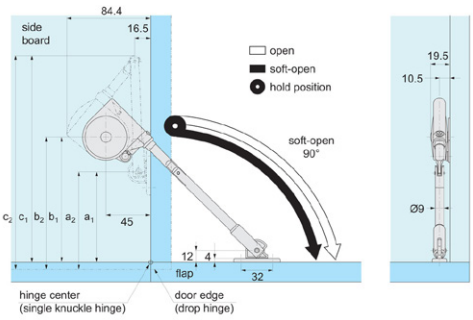
Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg.

Order No.	Type	Colour	Acceptable load bearing single kg/cm min.|max.	Weight g
N0070.AC0010	Stay	White	35 to 50	167
N0070.AC0020	Stay	Black	35 to 50	167



Mounting plate installation

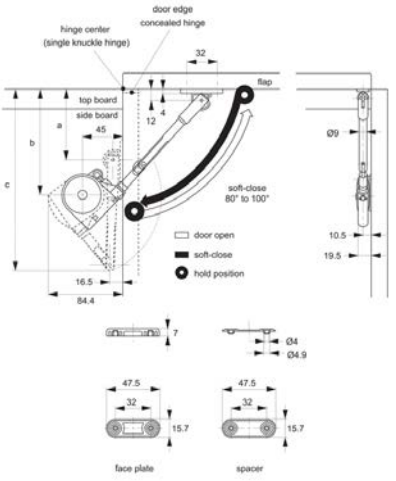


Soft down stay installation

Soft-Closing Stays - for Top Opening

80° to 100° opening angle

N0080



Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

Technical Notes

For use with lids which are top opening, with concealed, piano or butt hinges.
Longer arm for higher load bearing capacity applications.
Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut.
Opening angle of 90°. Temperature range 0° to 40°C.
Stay is designed to hold lid in fully open position.
Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips

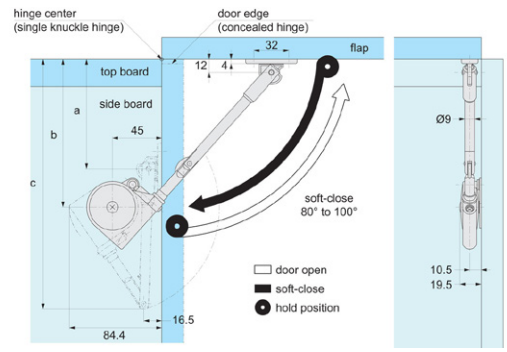
Order mounting plate separately, for universal left and right hand application.
Supplied with mounting plate. Please order cover plate, to your desired colour, separately.
Opening angle can be varied between 80° to 100° via change of mounting dimensions - see installation dimensions below.

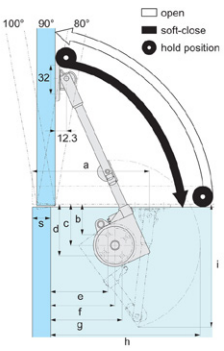
Important Notes

Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

Check Load Bearing Value (T) :
T (Load Bearing Value of stay Kg/ cm) = 1/2 Door Height cm x Door Weight Kg

Order No.	Type	Colour	Acceptable load bearing single kg/cm min.| max.	Acceptable load bearing pair kg/cm min.| max.	Weight g
N0080.AC0010	Stay	White	40 to 70	80 to 140	165
N0080.AC0020	Stay	Black	40 to 70	80 to 140	165


hinge center
(single knuckle hinge)
door edge
(concealed hinge)
32
flap
12
4
top board
side board
a
b
45
c
soft-close
80° to 100°
door open
soft-close
hold position
Ø9
10.5
19.5
16.5
84.4

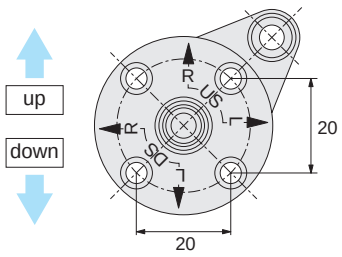

100°
90°
80°
open
soft-close
hold position
32
12.3
a
s
d
c
b
i
e
f
g
h

Installation Instructions for Soft Closing Stay

Top opening installation

1. **Top left:** Top opening lid with concealed hinge
2. **Top right:** Top opening lid with single knuckle hinge - overlay type
3. **Bottom left:** Top opening lid with single knuckle hinge - inset type
4. **Bottom right:** Mounting plate installation

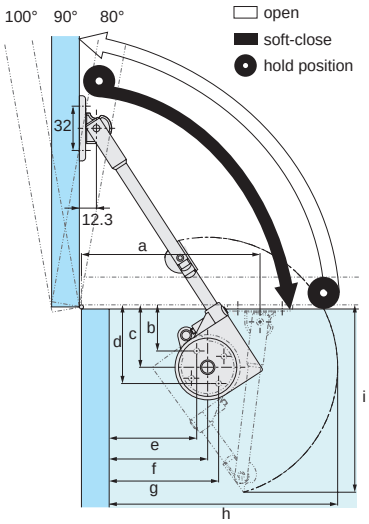
1



Opening angle	80°	90°	100°
a	141,0	132,5	126,5
b	31,9	32,3	32,9
c	45	45	45
d	58,1	57,7	57,1
e	98,2-S	88,7-S	81,2-S
f	103,5-S	95,0-S	88,5-S
g	108,8-S	101,3-S	95,8-S
h	197,5	189,0	182,5
i	134,8	134,8	134,8

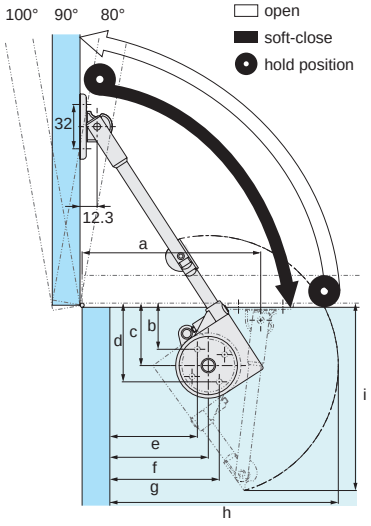
***S = overlay coverage.**

2



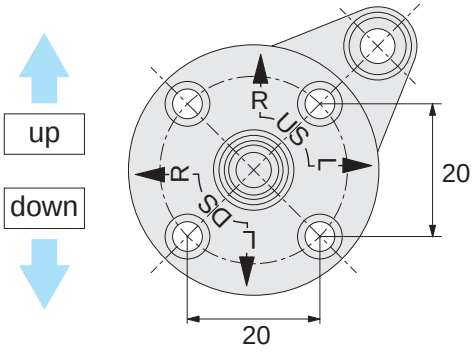
Opening angle	80°	90°	100°
a	138,5	128,5	121,5
b	32,6	33,2	33,9
c	45	45	45
d	57,4	56,8	56,1
e	94,1	83,1	75,2
f	101	91	84
g	107,9	98,9	92,8
h	195	185	178
i	134,8	134,8	134,8

3



Opening Angle	80°	90°	100°
a	129,0	118,5	111,1
b	31,7	32,0	32,5
c	45	45	45
d	58,3	58,0	57,5
e	86,7	75,3	67,0
f	91,5	81,0	73,5
g	96,3	86,7	80,0
h	185,5	175,0	167,5
i	134,8	134,8	134,8

4



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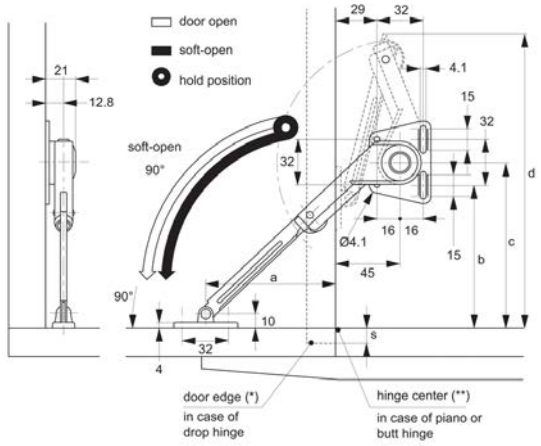


N0100

Material
Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes
For use lids which are downward opening, with piano, butt or drop hinges.

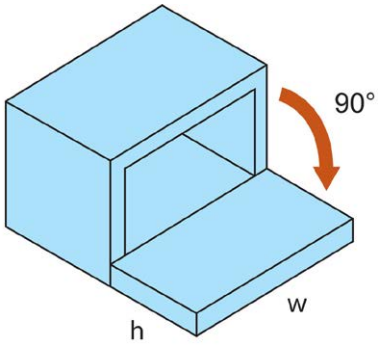
Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 90°. Temperature range - 0° to +40°C. Speed of closure adjustable via screw located at end of stay.
Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Important Notes
For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.

1) Checking Application Suitability:
1) Check Lid Size:
One Stay used:
a) Max 35cm wide
AND
b) within acceptable lid width. height combination - see chart.

If using only one stay-
Acceptable load bearing (T) between min. 20 to max 70 Kg/cm.

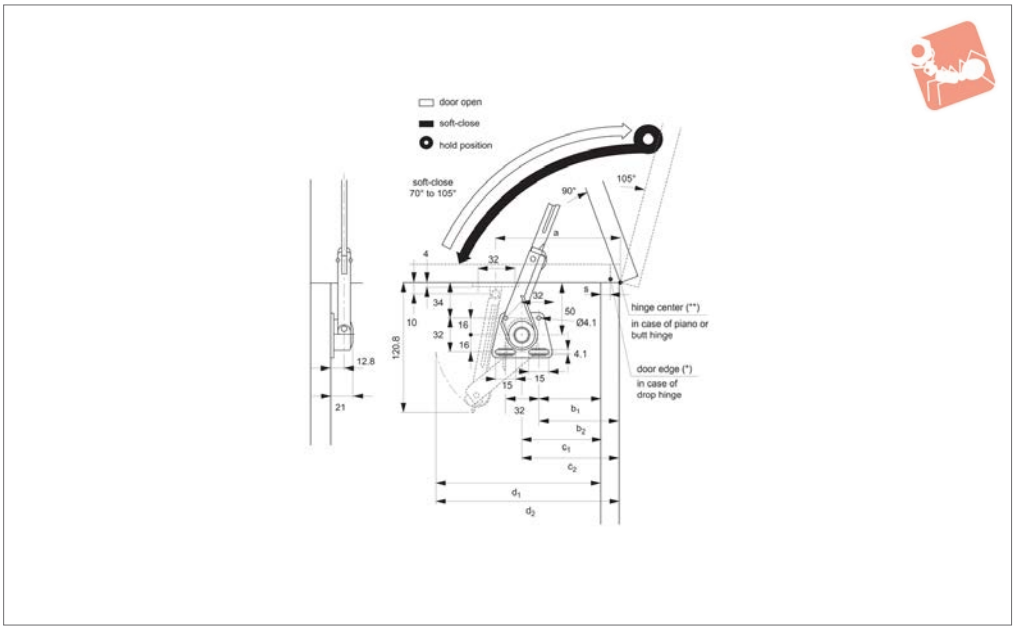
Order No.	Type	Acceptable load bearing single kg/cm min.|max.	Acceptable load bearing pair kg/cm min.|max.	Weight g
N0100.AC0010	Right	16 - 70	32 - 140	210
N0100.AC0110	Left	16 - 70	32 - 140	210



Soft-Closing Stays - for Top Opening

70° - 105° opening angle

N0200



Material
Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes
For use with lids which are top opening, with piano, butt or drop hinges.

Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 70° - 105°. Temperature range - 0° to +40°C. Speed of closure adjustable via screw located at end of stay.
Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Important Notes
For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.

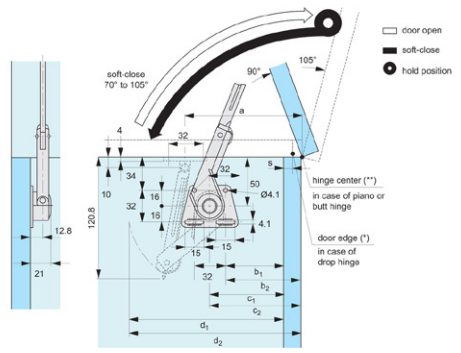
1) Checking Application Suitability:
1) Check Lid Size:
One Stay used:
a) Max 35cm wide
AND
b) within acceptable lid width.
Height combination - see chart.

Two Stays used:
a)Max 120cm wide
AND
b) within acceptable lid width/height combination - see chart.
2) Secondly, check load bearing value.

2) Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg

If using only one stay-
Acceptable load bearing (T) between min. 20 to max 70 Kg/cm.
If using two stays-
Acceptable load bearing (T) between min. 40 to max 140 Kg/cm.

Order No.	Type	Acceptable load bearing single kg/cm min.| max.	Acceptable load bearing pair kg/cm min.| max.	Weight g
N0200.AC0010	Left	20 - 70	40 - 140	210
N0200.AC0110	Right	20 - 70	40 - 140	210

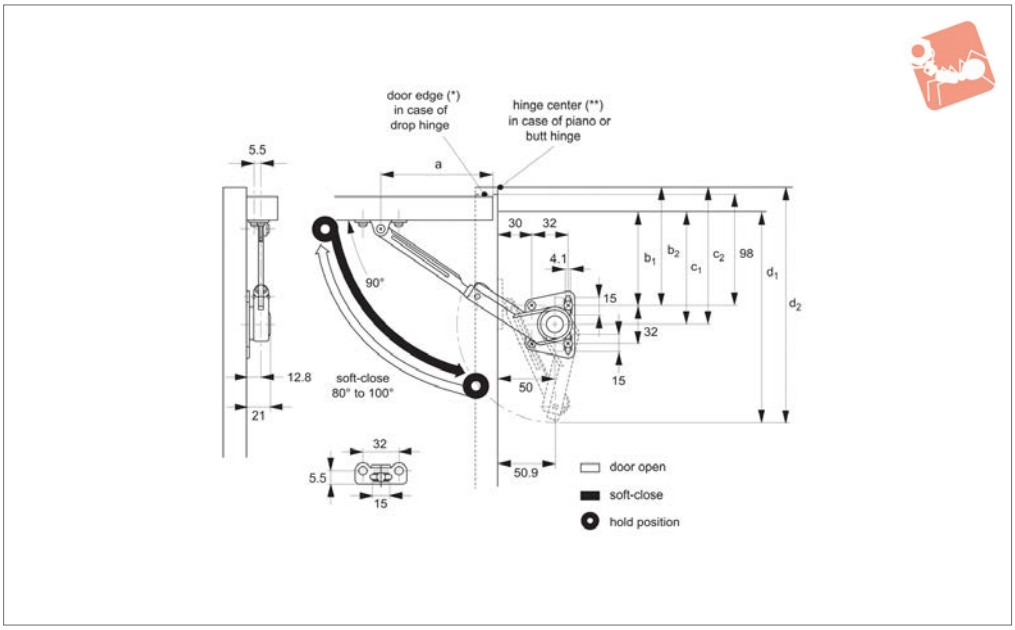


Piano/Butt Hinge	Opening Hinge	A	B_1	C_1	D_1
Left/Right	70	125	84	100	184
Left/Right	105	97	56	72	156

Concealed Hinge	Opening Hinge	A	B_2	C_2	D_2
Left/Right	70	126	85-S	101-S	185-S
Left/Right	105	103	62-S	78-S	162-S

Soft-Closing Stays - for Upward
80° - 100° opening angle

N0350



Material
Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes
For use with lids which are upward opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 80° - 100°. Temperature range - 0° to +40°C. Speed of closure adjustable via screw located at end of stay.
Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

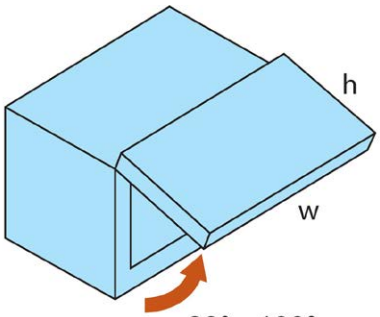
Important Notes
For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.

1) Check Lid Size:
If using only one stay- max. lid width 35cm AND must be within load bearing capacity (T) of the stay, check calculation below.
If using two stays-max. lid width 120cm AND must be within load bearing capacity (T) of the stay, check calculation below.

2) Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg

If using only one stay-
Acceptable load bearing (T) between min. 20 to max 70 Kg/cm.
If using two stays-
Acceptable load bearing (T) between min. 40 to max 140 Kg/cm.

Order No.	Type	Acceptable load bearing single kg/cm min.|max.	Acceptable load bearing pair kg/cm min.|max.	Weight g
N0350.AC0010	Left	20 - 70	40 - 140	210
N0350.AC0110	Right	20 - 70	40 - 140	210


h
w
80° - 100°

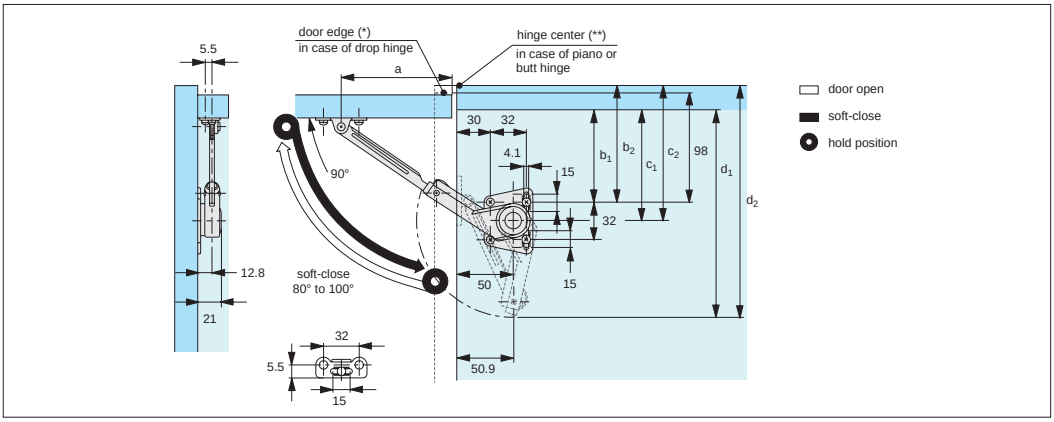
Installation Instructions for Soft Closing Stay

For use with lids which are upward opening, with piano or butt hinges. Longer arm for higher load bearing capacity applications. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 80° to 100°. Temperature range of 0° to 40°C.

Stay has integrated catch to hold lid in open and closed position. Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Installation

Soft opening stay installation



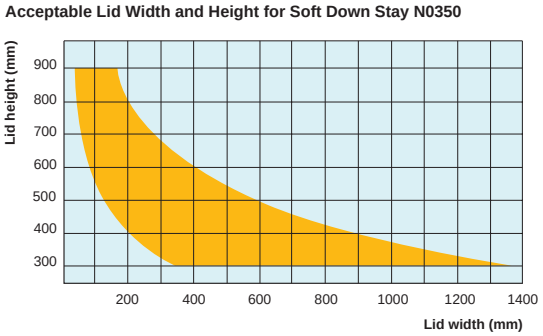
The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.

***S = overlay coverage in case of drop hinge usage.**

Hinge type	a	b_1	c_1	d_1	b_1	c_2	d_2
Drop hinge	99	98 - S*	114 - S*	200 - S*	-	-	-
Piano/butt hinge	93	-	-	-	92	108	194

Opening angle	80°		90°		100°	
Position of plates	Down		Middle		Top	
	Mounting plate	Arm bracket	Mounting plate	Arm bracket	Mounting plate	Arm bracket
For hinge centre Up / Down						

Acceptable lid width and height



Orange area of chart provides guide to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart Based on typical wooden lid of 20mm thickness.

Load bearing calculation

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

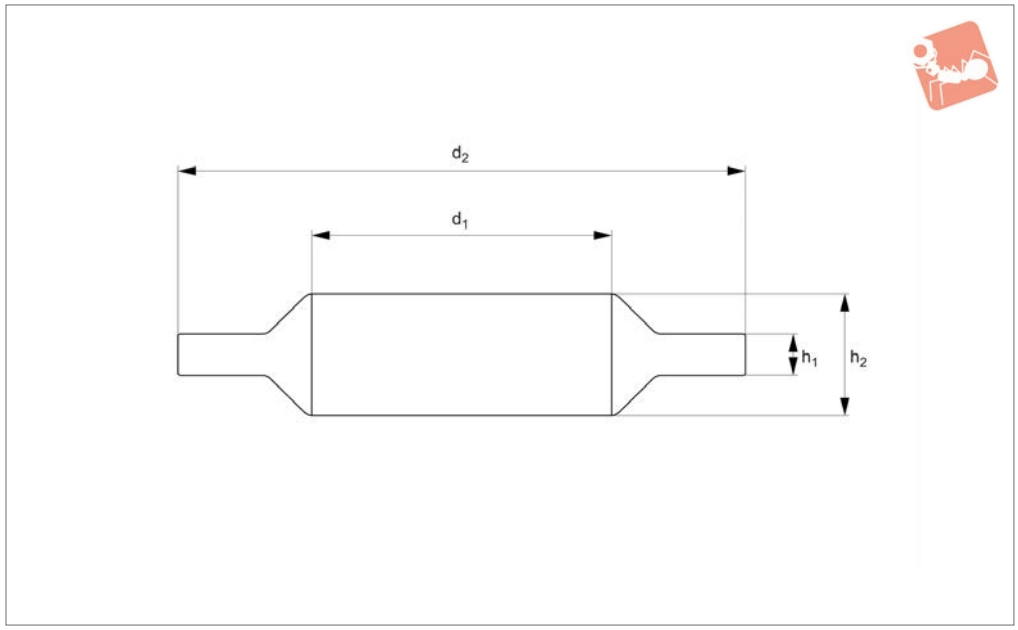
Check load bearing value (T)

T (load bearing value of stay Kg/cm) = 1/2 door height cm x door weight Kg

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.

Heavy Duty Soft-Opening Stays

For downward opening lid, 90° opening angle



N0420

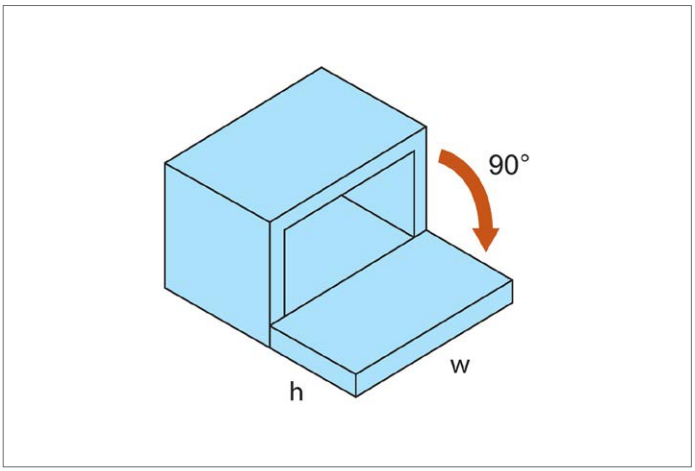
Material
Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

Technical Notes
For use with lids which are downward opening, with piano, butt or drop hinges. Designed to hold door in both closed and open position. Designed to control speed at which a suitable lid opens, for smooth controlled motion. For use in pairs. Opening angle of 90°. Temperature range 0° to 40°C.

Important Notes
Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.
Application must be within both the min. and max. load bearing value, stays are for use in pairs see above table.

Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/ cm) = 1/2 Door Height cm x Door Weight Kg

Order No.	Type	Acceptable load bearing pair kg/cm min.|max.	Hand	Weight g
N0420.AC0020	Light Duty	140 to 200	Left	290
N0420.AC0025	Medium Duty	200 to 250	Left	290
N0420.AC0030	Heavy Duty	250 to 300	Left	310
N0420.AC0120	Light Duty	140 to 200	Right	290
N0420.AC0125	Medium Duty	200 to 250	Right	290
N0420.AC0130	Heavy Duty	250 to 300	right	310



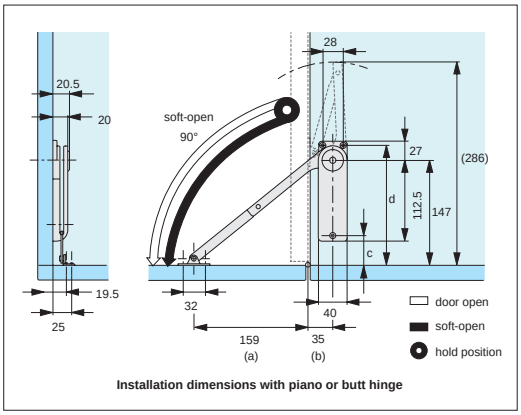
Installation Instructions

for heavy duty soft opening stay

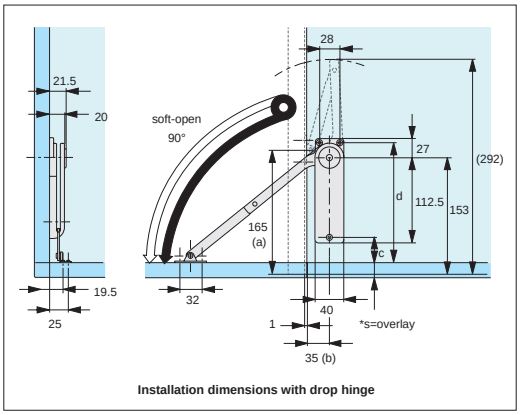
For use with lids which are downward opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid opens, for smooth controlled motion. For use in pairs. Opening angle of 90°. Temperature range 0° to 40°C. Stay has an integrated catch to hold lid in open position and a sprung elbow section which must be released prior to closing the lid - please take care not to catch fingers when handling.

Installation

Heavy duty soft opening stay installation



Installation dimensions with piano or butt hinge



Installation dimensions with drop hinge

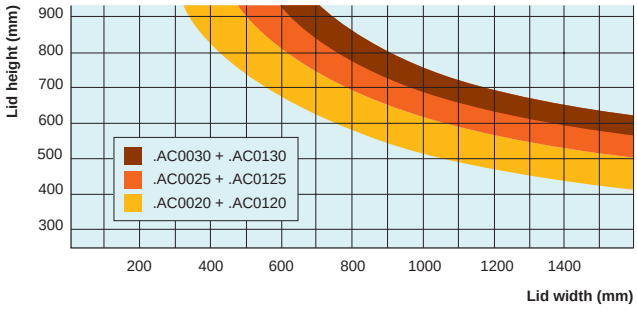
Hinge type	a	b	c	d
Drop hinge	165	35	48 - S*	174 - S*
Piano/butt hinge	159	35	42	168

The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.

***S = overlay coverage in case of drop hinge usage.**

Acceptable lid width and height

Acceptable Lid Width and Height for Soft Down Stay N0420



Areas of chart provides guides to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart based on typical wooden lid of 20mm thickness.

Load bearing calculation

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

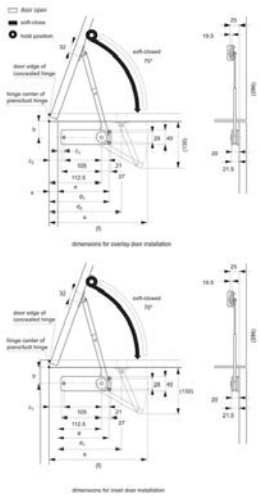
Check load bearing value (T)

T (load bearing value of stay Kg/cm) = 1/2 door height cm x door weight Kg

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.

Heavy Duty Soft-Close Stays

For top opening lid, 70° opening angle



N0440

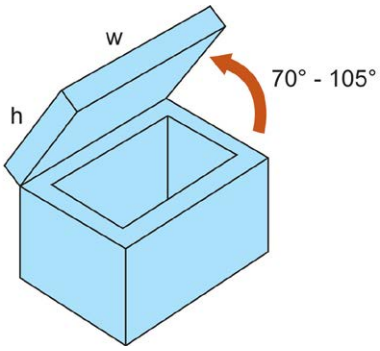
Material
Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

Technical Notes
For use with lids which are top opening, with piano, butt or concealed hinges. Designed to hold door in open position.
Designed to control speed at which a suitable lid closes, to prevent lid slamming shut. For use in pairs.
Opening angle of 70°. Temperature range 0° to 40°C.

Important Notes
Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.
Application must be within both the min. and max. load bearing value, stays are for use in pairs see above table.

Check Load Bearing Value (T):
t (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg.

Order No.	Type	Acceptable load bearing pair kg/cm min.|max.	Hand	Weight g
N0440.AC0020	Light Duty	140 to 200	Left	280
N0440.AC0025	Medium Duty	200 to 250	Left	290
N0440.AC0030	Heavy Duty	250 to 300	Left	310
N0440.AC0120	Light Duty	140 to 200	Right	280
N0440.AC0125	Medium Duty	200 to 250	Right	290
N0440.AC0130	Heavy Duty	250 to 300	Right	310



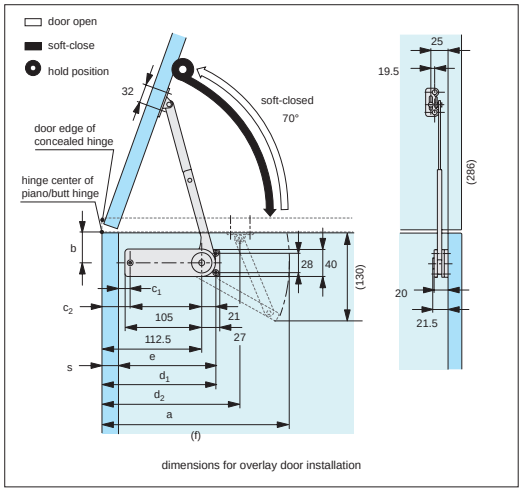
Installation Instructions

for heavy duty soft closing stay

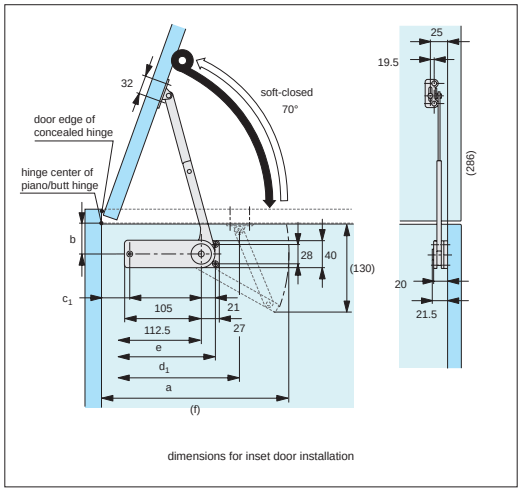
For use with lids which are top opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut . Opening angle of 70°. Temperature range of 0° to 40°C. Stay has integrated catch to hold lid in open position and a sprung elbow section which must be released prior to closing the lid - please take care not to catch fingers when handling.

Installation

Heavy duty soft closing stay installation



dimensions for overlay door installation



dimensions for inset door installation

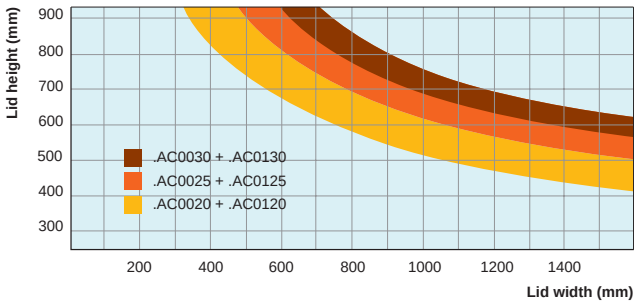
Hinge type	a	b	c	d	c_1	d_1	e	f
Drop hinge	198,5	45	42-S*	168-S*	-	-	145	283,5
Piano/butt hinge	198,5	45	-	-	41	167	142,5	281,0

Hinge type	a	b	c	d	e	f
Drop hinge	203	45	46	172	151	286
Piano/butt hinge	190	45	33	159	138	273

The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.

Acceptable lid width and height and installation table

Acceptable Lid Width and Height for Soft Down Stay N0440



Areas of chart provides guides to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart based on typical wooden lid of 20mm thickness.

Load bearing calculation

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

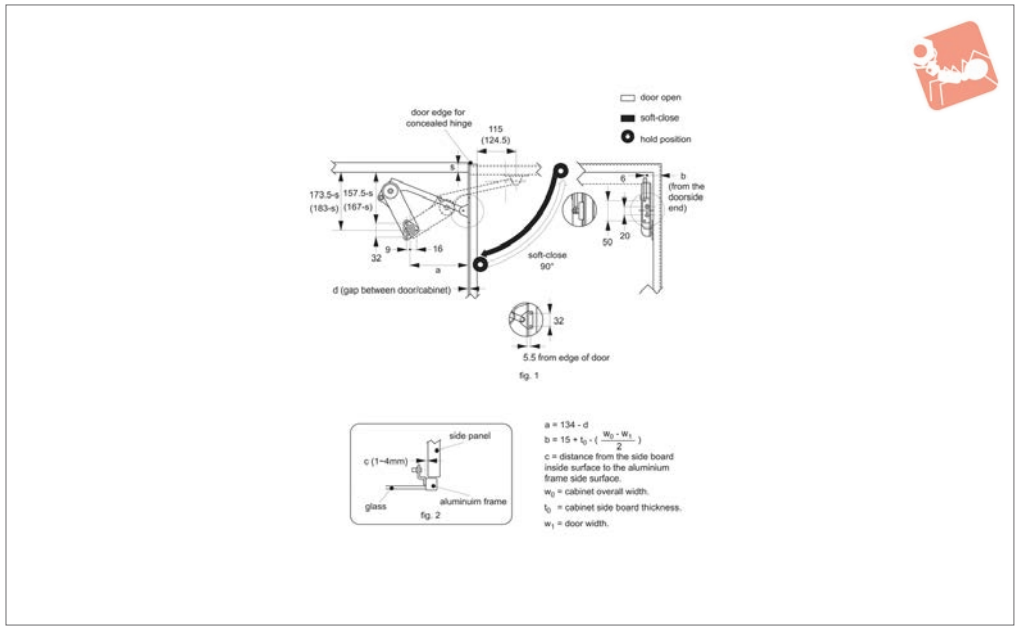
Check load bearing value (T)

T (load bearing value of stay Kg/cm) = 1/2 door height cm x door weight Kg

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.

Heavy Duty Soft-Close Stays

For upward opening lid, 90° opening angle



N0460

Material
Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

Technical Notes
For use with lids which are upward opening, with concealed hinges. Designed to hold door in both closed and open position.
Designed to control speed at which a suitable lid closes, to prevent lid slamming shut. For use in pairs.
Opening angle up to 90°. Temperature range 0° to 40°C.

Important Notes
Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value, stays are for use in pairs see above table.
Order mounting plate separately.

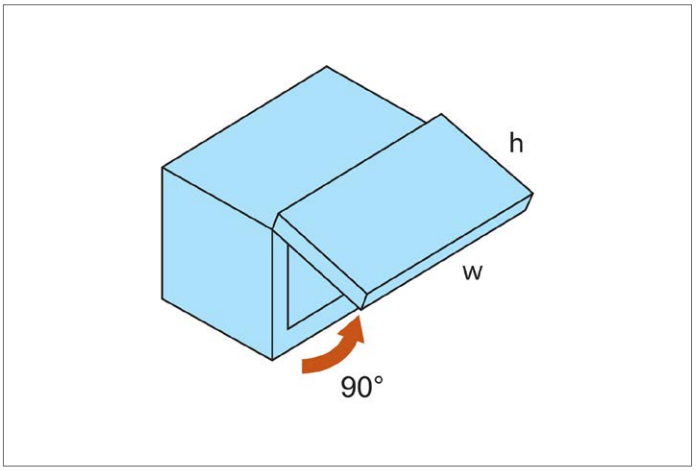
Check Load Bearing Value (T):
T (Load Bearing Value of stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg

Order No.	Type	Hand
N0460.AC0017	Light Duty	Left
N0460.AC0021	Medium Duty	Left
N0460.AC0025	Heavy Duty	Left
N0460.AC0030	Super Duty	Left
N0460.AC0117	Light Duty	Right
N0460.AC0121	Medium Duty	Right
N0460.AC0125	Heavy Duty	Right
N0460.AC0130	Super Duty	Right
N0460.AC0920	Mounting Plate - 20 mm wide alu. frame	Both
N0460.AC0945	Mounting Plate - 45 mm wide wood or alu. frame	Both

Order No.	Acceptable load bearing pair 90° opening angle kg/cm min.|max.	Acceptable load bearing pair 80° opening angle kg/cm min.|max.
N0460.AC0017	140 to 179	140 to 199
N0460.AC0021	180 to 219	200 to 249
N0460.AC0025	220 to 259	250 to 299
N0460.AC0030	260 to 300	300 to 350
N0460.AC0117	140 to 179	140 to 199
N0460.AC0121	180 to 219	200 to 249
N0460.AC0125	220 to 259	250 to 299
N0460.AC0130	260 to 300	300 to 350
N0460.AC0920	-	-
N0460.AC0945	-	-

Heavy Duty Soft-Close Stays

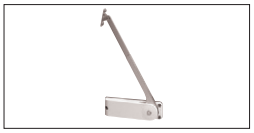
For upward opening lid, 90° opening angle

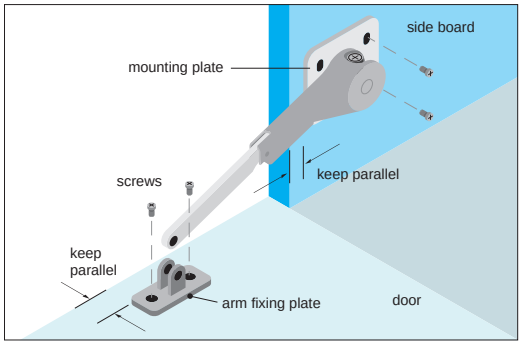


Wixroyd soft down stays provide smooth opening and closing systems, via their integrated dampening device. For use with relatively light weight cabinet or furniture lids.

Application must be within both the minimum and maximum load bearing value of the stay, (see specific product information), as well as within the door weight capacity of the stay - See 'Soft Down Stays - Door Weight Range Tables' on following pages.

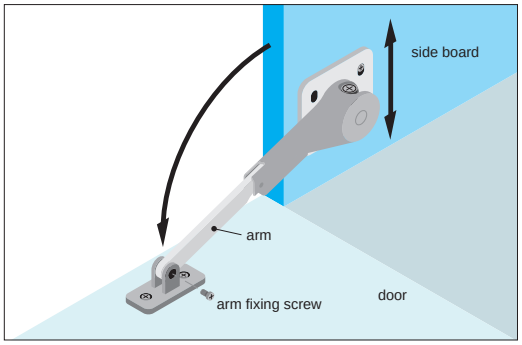




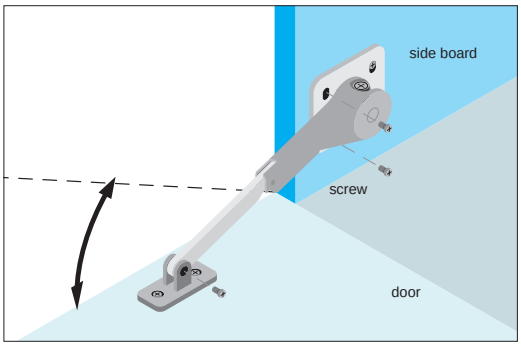
Step 1

Mount the arm fixing plate on the back of the door with screws. Place the mounting plate on the side board, slotted oblong holes must be placed towards the bottom of the cabinet. Put the screws into the slots and fasten temporarily.



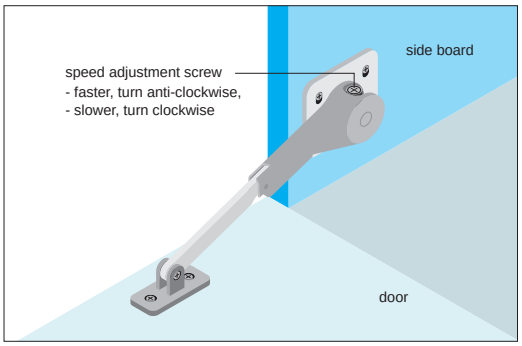
Step 2

Rotate the body to align arm into the slot of arm fixing plate, and fasten with the arm fixing screw. To adjust the opening angle of the door, loosen the screws in the slots of the mounting plate, and adjust the position.



Step 3

Upon completing step 2, fasten the remaining screws in the slots of the mounting plate. If hole(s) are covered by the unit body, open and close the door, the holes should become exposed for adjustment.



Speed adjustment

Upon completion of installation, make sure the door opens and closes properly. To adjust the closing speed of the door, turn the speed adjustment screws. In case 2 units (left and right) are used, the speed adjustment screws must be turned evenly. Do not try to turn the speed adjustment screws exceeding their limitation.

Opening type

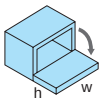
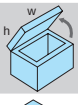
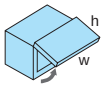
Warning: This product has dampening function, and is designed for a relatively lightweight cabinet or furniture door. We will not be liable for any injuries or damage due to improper application or use on a door that is not within proper load bearing and weight range. This product is designed to operate at room temperatures between 0° and 40°C (32° and 104°F).

This product has a spring at the elbow section. Please be careful NOT TO GET YOUR FINGERS CAUGHT in the elbow of the product while you are handling the unit. Do not force the door to close faster, it can cause damage to the product or hinge(s). Dimensions and specification can be changed with or without notice.

Opening angle table

h = door height from pivot point to edge of lid (cm)

w = door width (cm)

Application	Example	Hinge type used	Suitable soft-down stay	Opening angle
Downward opening lid		Butt hinge Drop hinge Concealed hinge	N0060 N0070 N0100 N0420	90°
Top opening lid		Butt hinge Drop hinge Concealed hinge	N0080 N0200 N0440	70°/105° 70°/105° 70°
Upward opening lid		Butt hinge Drop hinge Concealed hinge	N0080 N0350 N0460	80°/90°/100° 80°/90°/100° 80°

Wixroyd Soft Down

product selection charts

	Mounting			Lid Orientation			Soft Action		Material		Heavy Duty	Acceptable load bearing Single* (min-max) Kg.cm	Acceptable load bearing Pair* (min-max) Kg.cm	Max Angle
	Right	Left	Universal	Upward	Top (box lid)	Downward	Soft Opening	Soft Closing	Steel	Stainless Steel				
N0060 			✓			✓	✓		✓			0,5-12	10-12	90°
N0070 			✓			✓	✓		✓			35-50	70-100	90°
N0080 			✓	✓				✓	✓	✓		40-70	80-140	80°-100°
N0100 	✓	✓				✓	✓		✓			16-70	32-140	90°
N0200 	✓	✓			✓			✓	✓			20-70	40-140	70°-105°
N0350 	✓	✓		✓				✓	✓			20-70	40-140	80°-100°
N0420 	✓	✓				✓	✓		✓		✓	N/A	140-300	90°
N0440 	✓	✓			✓			✓	✓		✓	N/A	140-300	70°
N0460 	✓	✓		✓				✓	✓		✓	N/A	140-350	90°

*** Please note acceptable lid width and height of each stay prior to seleciton. Please refer to individual product details.**

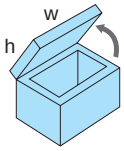
T Load Bearing Value of Stay (Kg.cm) = 1/2 Door Height (cm) x Door weight (Kg)

Soft Down Stays
Door Weight Range Table

Wixroyd soft down stays provide smooth opening and closing systems, via their integrated dampening device. Doors and lids can be closed slowly and softly, eliminating the slamming of doors or damage to fingers.

The table below gives approximate acceptable door weight range for our soft down stays (acceptable Kg/pair min. and max. range per stay).

The application must be within both the min. and max. door weight range, as well as within the stated door heights, as shown in the table.

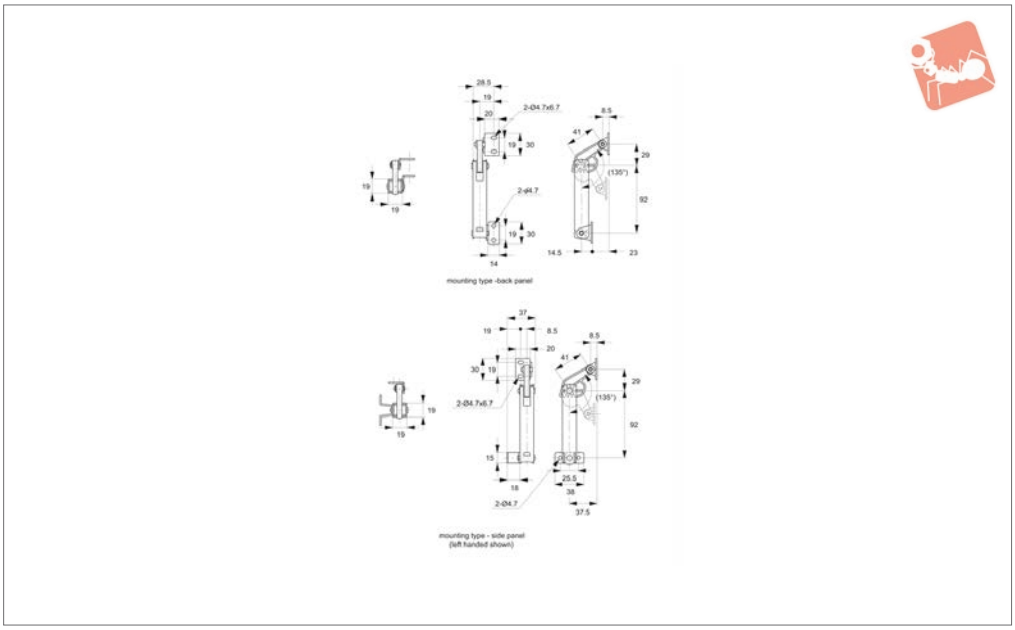


		Door height (cm)																				
		15.2	17.8	20.3	22.9	25.4	27.9	30.5	33	35.6	38.1	40.6	43.2	45.7	48.3	50.8	53.3	55.9	58.4	61	63.5	66
N0060	Kg/pair min.	1.3	1.1	1.0	0.9	0.8	0.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg/Pair max.	3.1	2.7	2.4	2.1	1.9	1.7	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N0070	Kg/pair min.	-	-	6.8	6.0	5.4	4.9	4.5	4.2	3.9	3.6	3.4	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1
	Kg/pair max.	-	-	9.8	8.7	7.8	7.1	6.5	6.0	5.6	5.2	4.9	4.6	4.4	4.1	3.9	3.7	3.5	3.4	3.3	3.1	3.0
N0080	Kg/pair min.	-	-	7.9	7.1	6.4	5.8	5.3	4.9	4.5	4.2	4.0	3.7	3.5	3.4	3.2	3.0	2.9	2.8	2.6	2.5	2.4
	Kg/pair max.	-	-	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.4	4.2
N0100/N0200/ N0350	Kg/pair min.	-	-	3.3	3.8	3.4	3.1	2.9	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4	1.3
	Kg/pair max.	-	-	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.4	4.2
N0420.AC0020/ N0420.AC0120	Kg/pair min.	-	-	13.7	12.2	11.0	10.0	9.2	8.4	7.8	7.3	6.8	6.4	6.1	5.8	5.5	5.2	5.0	4.8	4.6	4.4	4.2
	Kg/pair max.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
N0420.AC0025/ N0420.AC0125	Kg/pair min.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
	Kg/pair max.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
N0420.AC0030/ N0420.AC0130	Kg/pair min.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0017/ N0460.AC0117 at 90° angle	Kg/pair min.	-	-	13.8	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5	6.2	5.8	5.5	5.3	5.0	4.8	4.6	4.4	4.3
	Kg/pair max.	-	-	17.6	15.6	14.1	12.8	11.7	10.8	10.0	9.4	8.8	8.3	7.8	7.4	7.0	6.7	6.4	6.1	5.9	5.6	5.4
N0460.AC0017/ N0460.AC0117 at 80° angle	Kg/pair min.	-	-	13.8	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5	6.2	5.8	5.5	5.3	5.0	4.8	4.6	4.4	4.3
	Kg/pair max.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
N0460.AC0021/ N0460.AC0121 at 90° angle	Kg/pair min.	-	-	17.7	15.7	14.2	12.9	11.8	10.9	10.1	9.4	8.8	8.3	7.8	7.4	7.1	6.8	6.4	6.2	5.9	5.7	5.4
	Kg/pair max.	-	-	21.5	19.1	17.2	15.6	14.4	13.2	12.3	11.5	10.8	10.2	9.6	9.1	8.6	8.2	7.8	7.5	7.2	6.9	6.6
N0460.AC0021/ N0460.AC0121 at 80° angle	Kg/pair min.	-	-	19.1	17.6	15.8	14.3	13.2	12.2	11.3	10.5	9.9	9.3	8.8	8.3	7.9	7.5	7.2	6.8	6.6	6.3	6.1
	Kg/pair max.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
N0460.AC0025/ N0460.AC0125 at 90° angle	Kg/pair min.	-	-	21.7	19.2	17.3	15.7	14.4	13.3	12.4	11.6	10.8	10.2	9.6	9.1	8.7	8.3	7.9	7.5	7.2	6.9	6.7
	Kg/pair max.	-	-	25.5	22.7	20.4	18.6	17.0	15.7	14.6	13.6	12.7	12.0	11.3	10.8	10.2	9.7	9.3	8.9	8.5	8.2	7.8
N0460.AC0025/ N0460.AC0125 at 80° angle	Kg/pair min.	-	-	24.6	21.9	19.7	17.9	16.4	15.1	14.1	13.1	12.3	11.6	10.9	10.3	9.8	9.4	8.9	8.6	8.2	7.9	7.6
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0030/ N0460.AC0130 at 90° angle	Kg/pair min.	-	-	25.6	22.8	20.5	18.6	17.1	15.8	14.7	13.7	12.8	12.1	11.4	10.8	10.3	9.8	9.3	8.9	8.5	8.2	7.9
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0030/ N0460.AC0130 at 80° angle	Kg/pair min.	-	-	29.6	26.3	23.7	21.5	19.7	18.2	16.9	15.8	14.8	13.9	13.2	12.5	11.8	11.3	10.8	10.3	9.9	9.5	9.1
	Kg/pair max.	-	-	34.4	30.5	27.5	25.0	22.9	21.1	19.6	18.3	17.2	16.1	15.3	14.5	13.7	13.1	12.5	11.9	11.5	11.0	10.6

Note: Door weight ranges calculated based on centre of gravity point at the middle of door/lid. For complete accuracy follow the torque calculation information on the specific product pages.

Spring Loaded Lid Stay
stainless steel

N0020

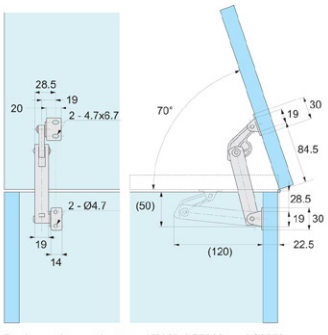


Material
Body: stainless steel, AISI 304.
Arm: polyacetal

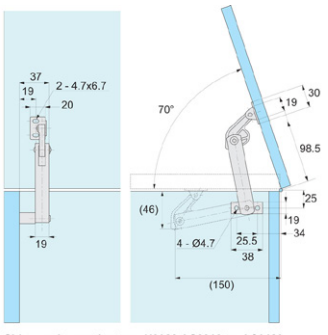
Technical Notes
Spring mechanism assists lifting of lid, and holds lid in open position. Mounting possible via side mounting (right or left) or via mounting to back panel of lid/frame.

Tips
Suitable for light/medium duty applications, refer to max. torque values.
Check Max. Torque (T):
t (Max. Torque Valve of Stay Kg/cm) = 1/2 Door Height cm x Door Weight Kg.

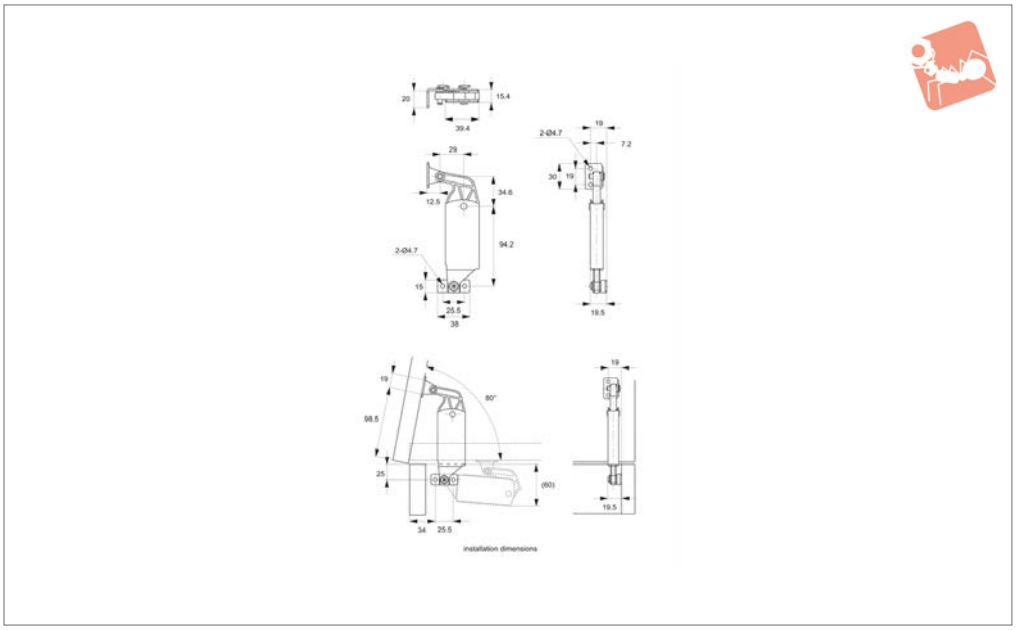
Order No.	Hand	Mounting type	Spring tension	Torque kg/cm max.	Weight g
N0020.AC0010	Right	Side	Soft	30	118
N0020.AC0020	Right	Side	Hard	40	118
N0020.AC0110	Left	Side	Soft	30	118
N0020.AC0120	Left	Side	Hard	40	118
N0020.AC0210	Non-handed	Back Panel	Soft	30	118
N0020.AC0220	Non-handed	Back Panel	Hard	40	118



Back panel mounting type N0020.AC0210 to .AC0220



Side panel mounting type N0020.AC0010 to .AC0120



N0024

Material
Body: stainless steel, AISI 430.
Arm: polyacetal.

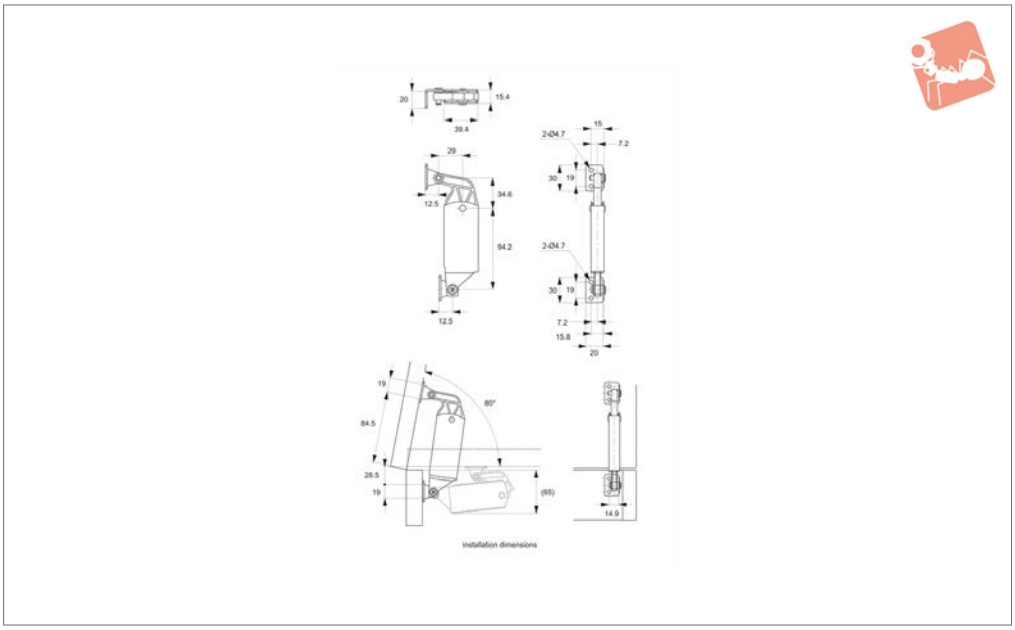
Technical Notes
Non-handed, for mounting on left or right panel. Can be installed individually or in pairs.

Order No.	Torque per piece kgf/cm max.	Lift assist angle
N0024.AC0090	90	10° - 80°
N0024.AC0120	120	10° - 80°

Spring Loaded Lid Stay

heavy duty - back panel mounting

N0026



Material
Body: stainless steel, AISI 430.
Arm: polyacetal.

Technical Notes
Non-handed, for mounting on left or right panel. Can be installed individually or in pairs.

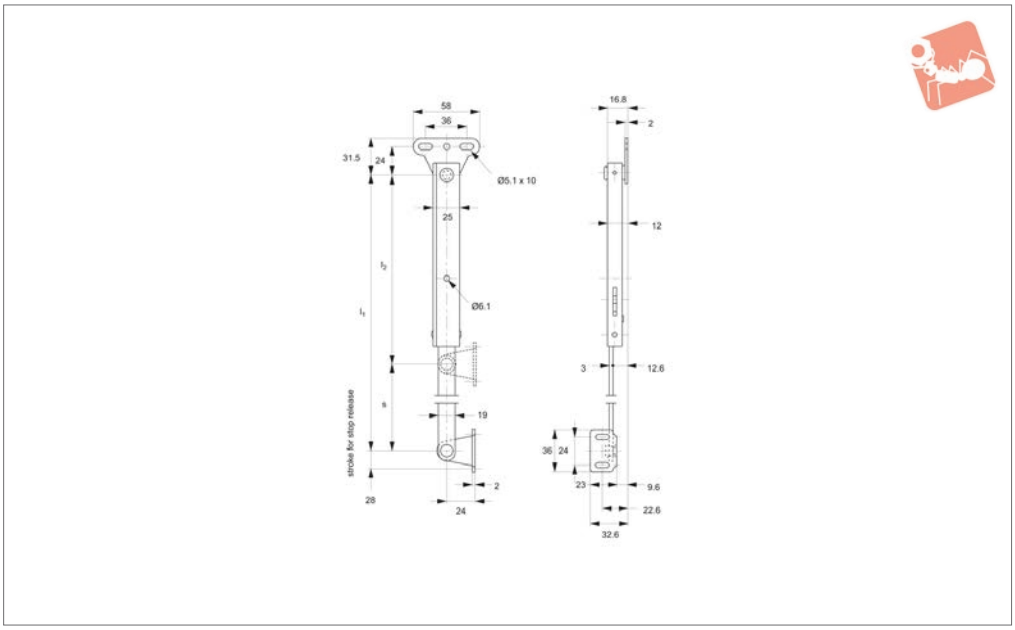
Order No.	Torque per piece kgf/cm max.	Lift assist angle
N0026.AC0090	90	10° - 80°
N0026.AC0120	120	10° - 80°

	Mounting			Lid Orientation			Stop Type	Material		Heavy Duty	Max Load Per Single Piece Kg.cm	Retracted Length mm	Max. Length Extended mm	Max Angle
	Right	Left	Universal	Upward	Top (box lid)	Downward		Steel	Stainless Steel					
N0020 	✓	✓		✓			Spring Loaded		✓		30-40	120	151	70°
N0024 			✓	✓			Spring Loaded		✓		90-120	125	158	80°
N0026 			✓	✓			Spring Loaded		✓		90-120	125	158	80°
N0500 			✓	✓			Ratchet		✓		15	148-205	195-290	75-120°
N0550 			✓	✓			Ratchet		✓	✓	20-30	163-305	200-500	80°
N0600 	✓	✓		✓			Multi-stop		✓	✓	70	230-280	350-450	90°
N0620 			✓	✓			Ratchet		✓		15	153	215	90°
N0640 			✓	✓			Mechanical Lock-Pull Release		✓		30	133-170	195-270	90°

Lid Stays

heavy duty - positive stop - stainless steel

N0550

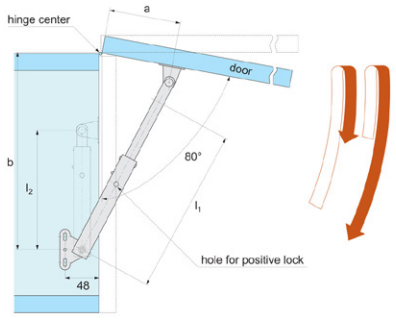


Material
Stainless steel, AISI 304, satin finish.

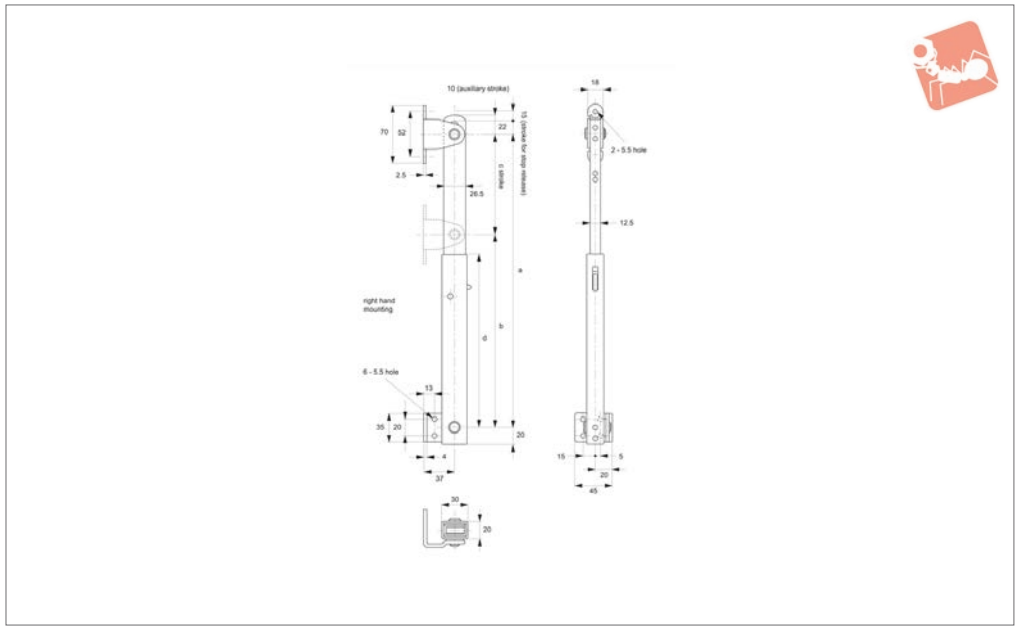
Technical Notes
Universal left or right hand application.

Max. load is per stay, only one required per lid. Stay has a positive stop to hold lid in fully open position. For use with piano or butt hinge.

Order No.	Opening angle ° max.	Stop release stroke r	l_1	l_2	a	b	s	Load N max.
N0550.AC0005	80°	28	200	155	56	219	45	30
N0550.AC0010	80°	28	350	230	128	364	120	25
N0550.AC0020	80°	28	500	305	195	510	195	20



Installation with butt or piano hinge

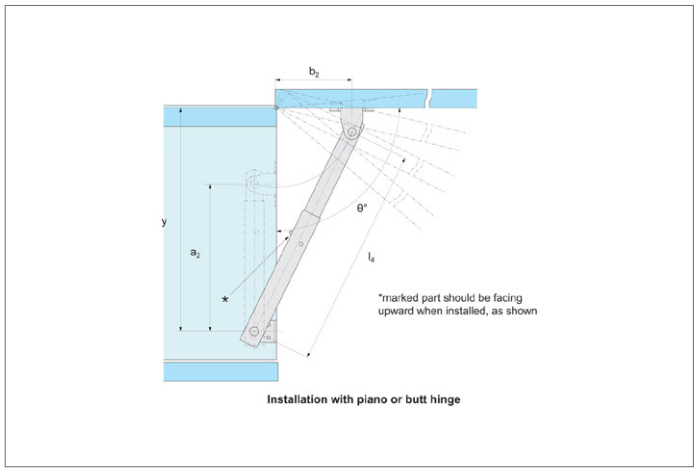


N0600

Material
Stainless steel, AISI 304, satin finish.

Technical Notes
Left or right hand specific, please refer to table. Stay has ratchet mechanism to hold lid at multiple angles during opening motion. See ‚Stop Positions' in table.

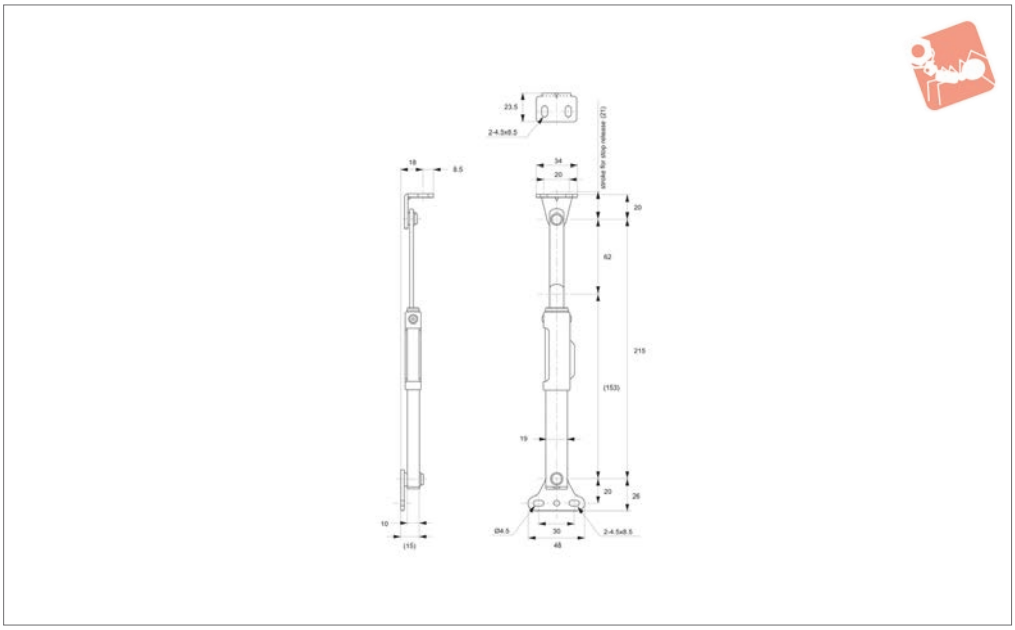
Order No.	Opening angle ° max.	Type	No. of stop positions	Stop release stroke r	a	b	c	d	Load kg max.	Weight g
N0600.AC0010	90°	Right	4	15	350	230	120	352	70	715
N0600.AC0020	90°	Right	6	15	450	280	170	442	70	820
N0600.AC0110	90°	Left	4	15	350	230	120	352	70	715
N0600.AC0120	90°	Left	6	15	450	280	170	442	70	820



Installation with piano or butt hinge

Lid Stays - Stainless Steel
for dust sensitive areas & clean rooms

N0620



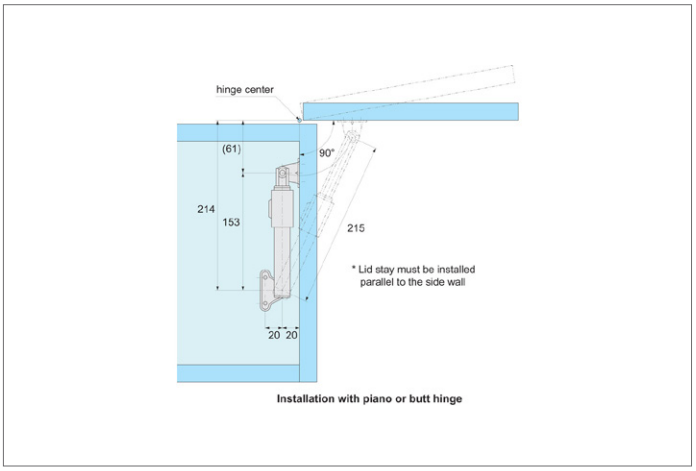
Material
Stainless steel, AISI 304, with polyacetal bushing.

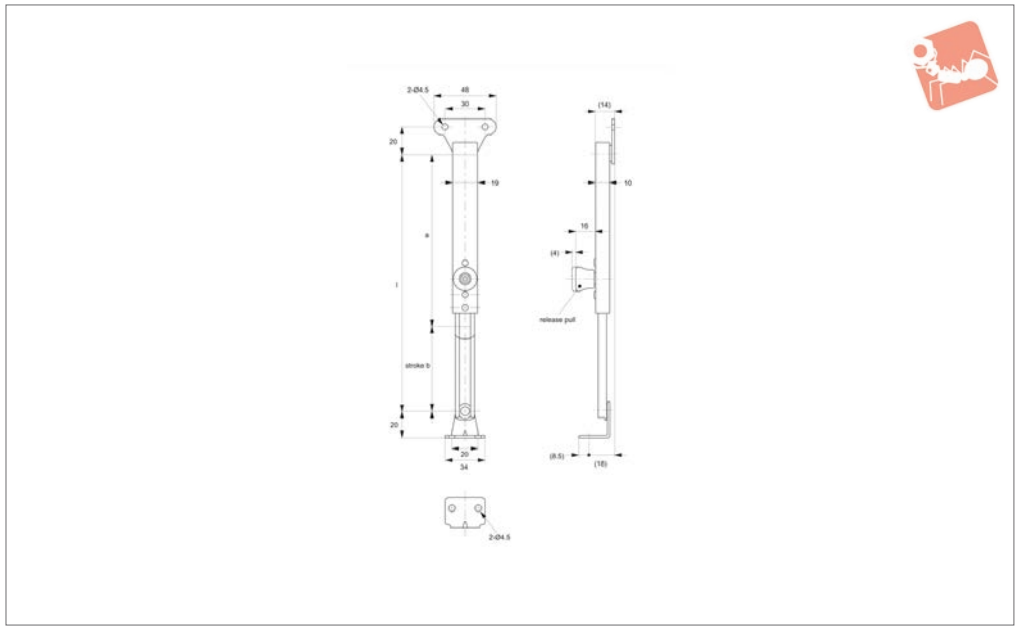
Technical Notes
Holds lid in fully open position.

Universal, for both right and left applications.

Tips
Plastic bushings and end caps minimise particle displacement making the stay suitable for clean room, semi-conductor and food industry applications.

Order No.	Opening angle ° max.	Type	Load capacity/each kg
N0620.AC0195	90°	Universal	15





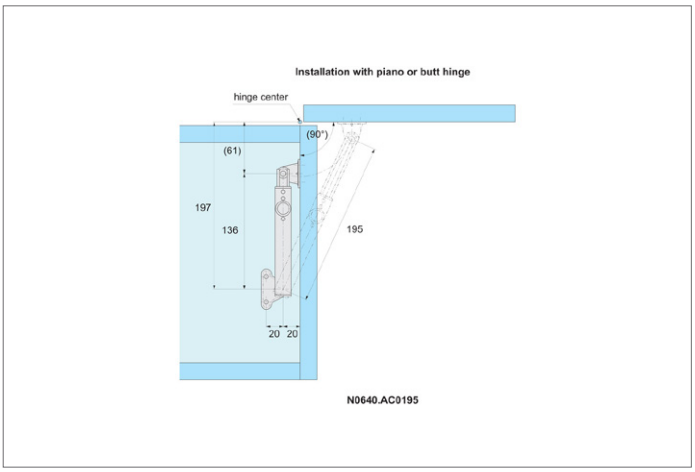
N0640

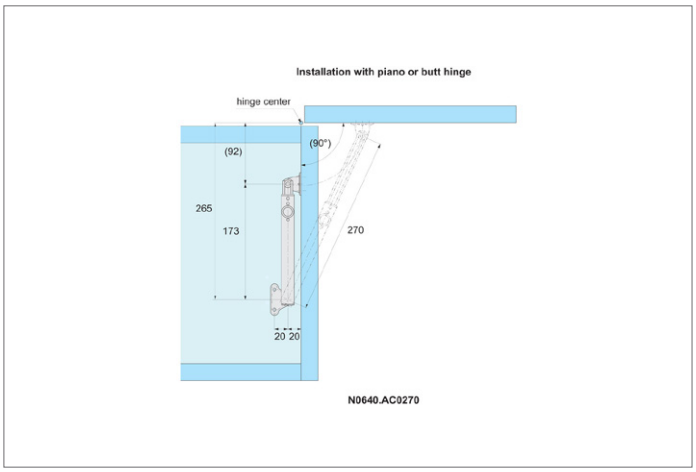
Material
Body: stainless Steel, AISI 304, satin finish.
Locking button: polyacetal dark grey.

Technical Notes
When fully extended stay is mechanically locked. Pull locking button to release the stay. Universal for right and left hand applications.

Tips
Mechanical lock makes the stay ideal for applications where shocks, vibration or sudden gusts of wind are present.

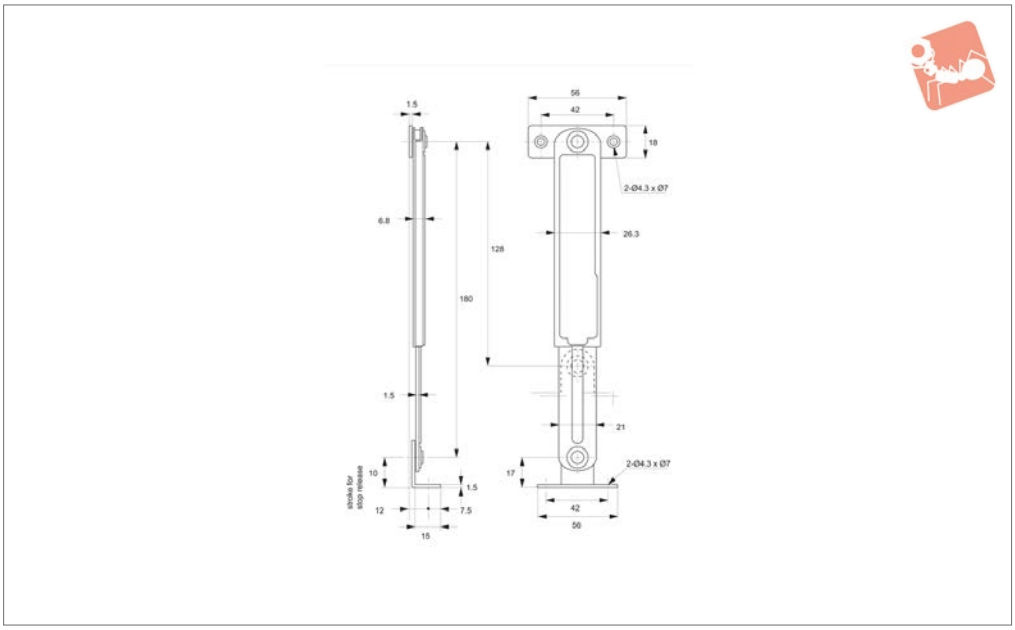
Order No.	Opening angle ° max.	a	b	l	Load capacity kg	Weight g
N0640.AC0195	90°	133	62	195	30	126
N0640.AC0270	90°	170	100	270	30	147





Lid Stays - Multi-Stop
stainless steel

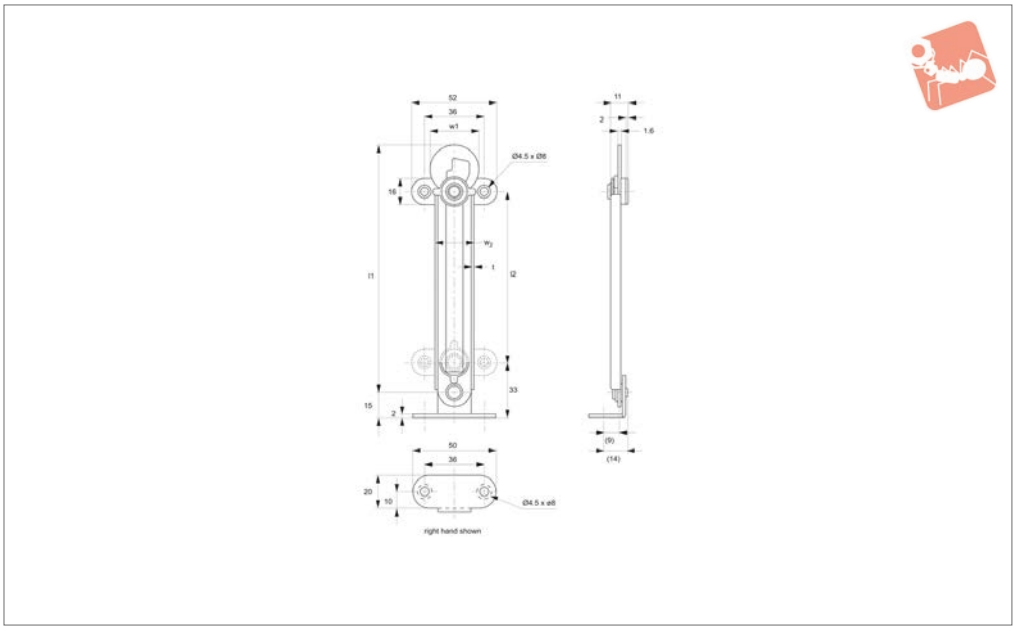
N0700



Material
Body: stainless steel, AISI 304, satin finish.

Technical Notes
Universal for right and left hand application. Screws not included. Ratchet mechanism allows lid to stop when released during opening motion.

Order No.	No. of stop positions	Load kg max.	Weight g
N0700.AC0010	15	7	127

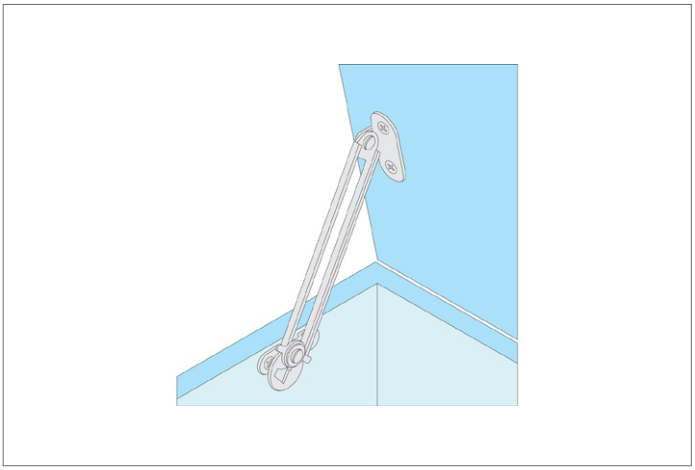


N0800

Material
Stainless steel, AISI 304, polished finish.

Technical Notes
Left or right hand specific, please refer to table. Holds lid in open position.

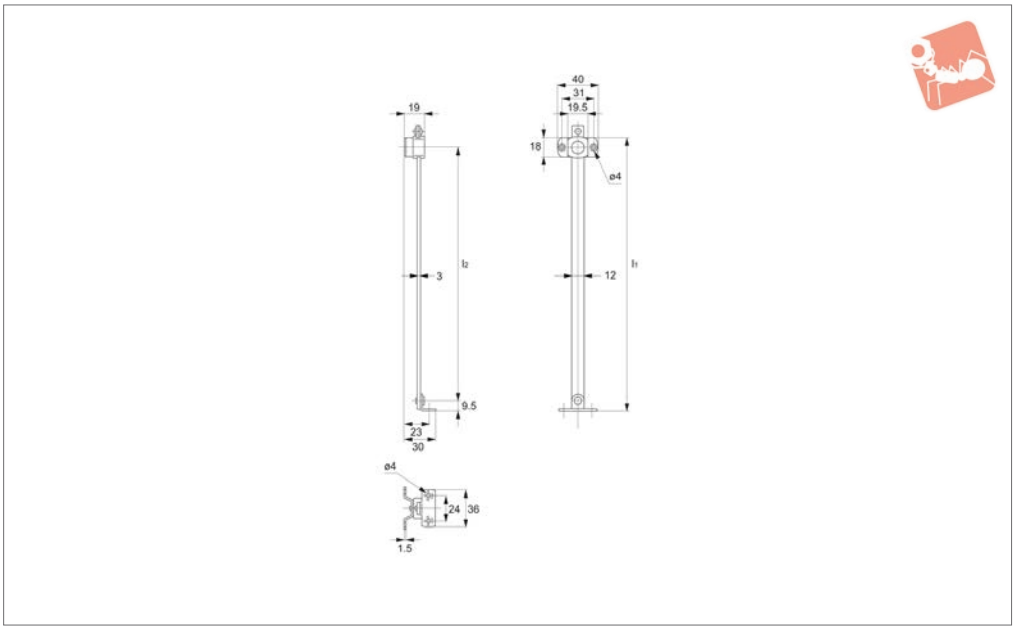
Order No.	Type	l_1	l_2	t	w_1	w_2	Load kg max.	Weight g
N0800.AC0010	Right	277	230	2.0	30	24	40	120
N0800.AC0020	Right	198	152	1.5	28	23	40	85
N0800.AC0030	Right	150	105	1.5	28	23	30	75
N0800.AC0110	Left	277	230	2.0	30	24	40	120
N0800.AC0120	Left	198	152	1.5	28	23	40	85
N0800.AC0130	Left	150	105	1.5	28	23	30	75



Lid Stays - Downward Opening Lid

stainless steel

N0850

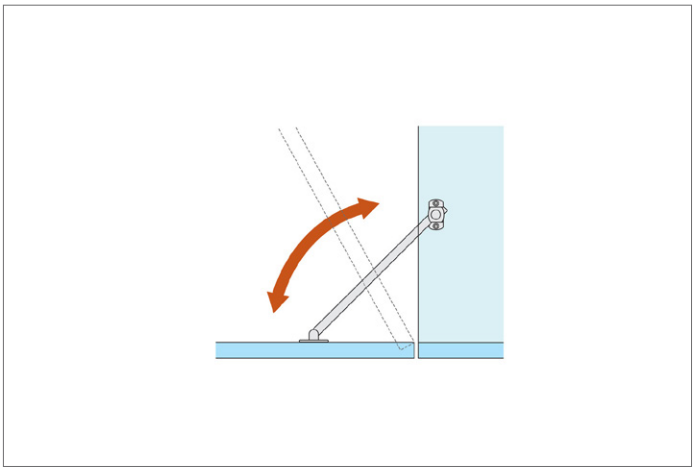


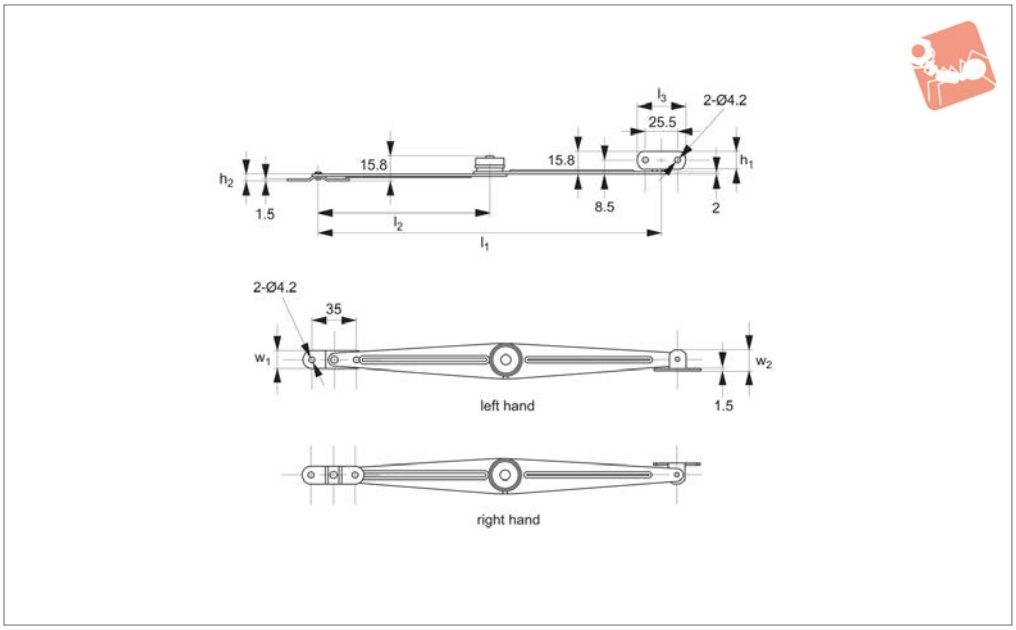
Material
Stainless steel, AISI 304, and polyamide.

Technical Notes
Universal left or right hand application.

For use on cabinets with downward opening lid.

Order No.	l_1	l_2	Weight g
N0850.AC0180	210	180	80
N0850.AC0210	240	210	90
N0850.AC0240	270	240	100





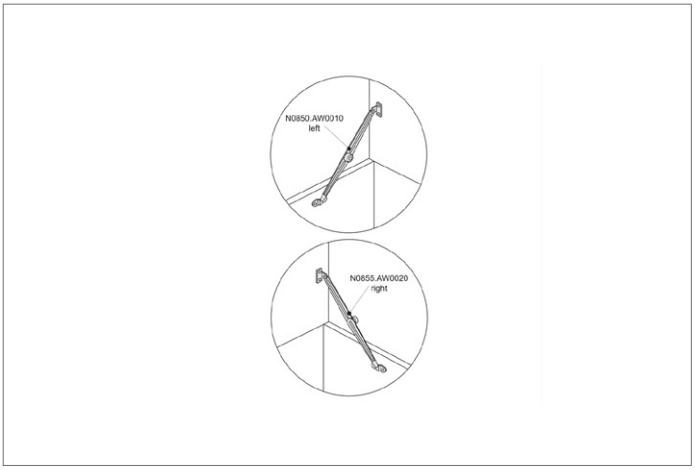
N0855

Material
Steel, chrome plated.

Technical Notes
Fitted with positioning spring and steel ball at pivot point to provide positive stop.

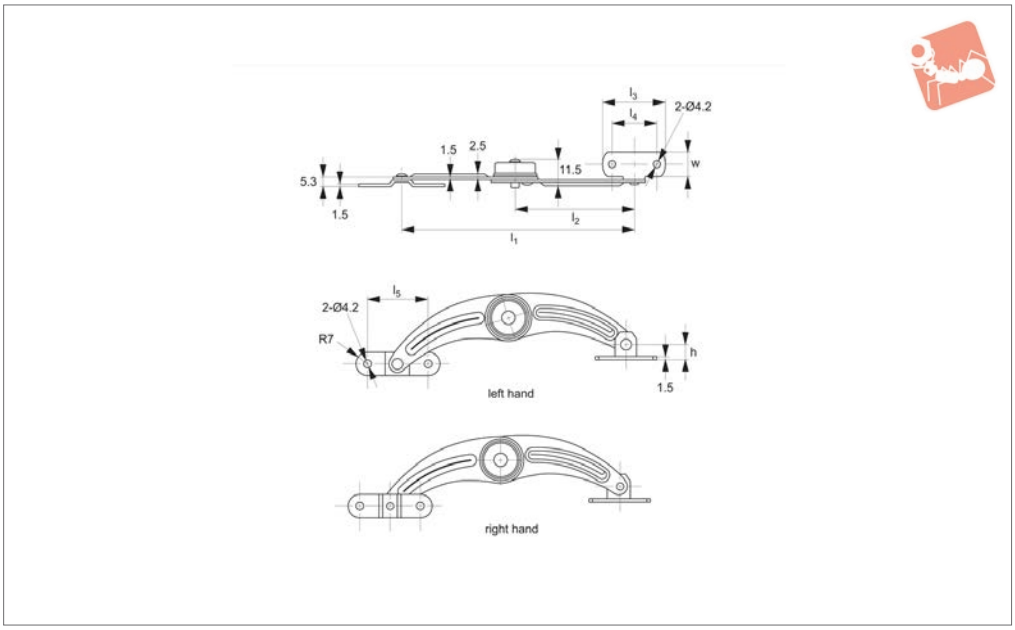
Important Notes
Right or left handed, please refer to table.
Ideal for screw or weld-on mounting.

Order No.	Hand	l_1	l_2	l_3	h_1	h_2	w_1	w_2
N0855.AW0010	Left	268	134	36.5	14	5.8	14	9
N0855.AW0020	Right	268	134	36.5	14	5.8	14	9



Lid Stays - Upward Opening Lid
steel

N0857

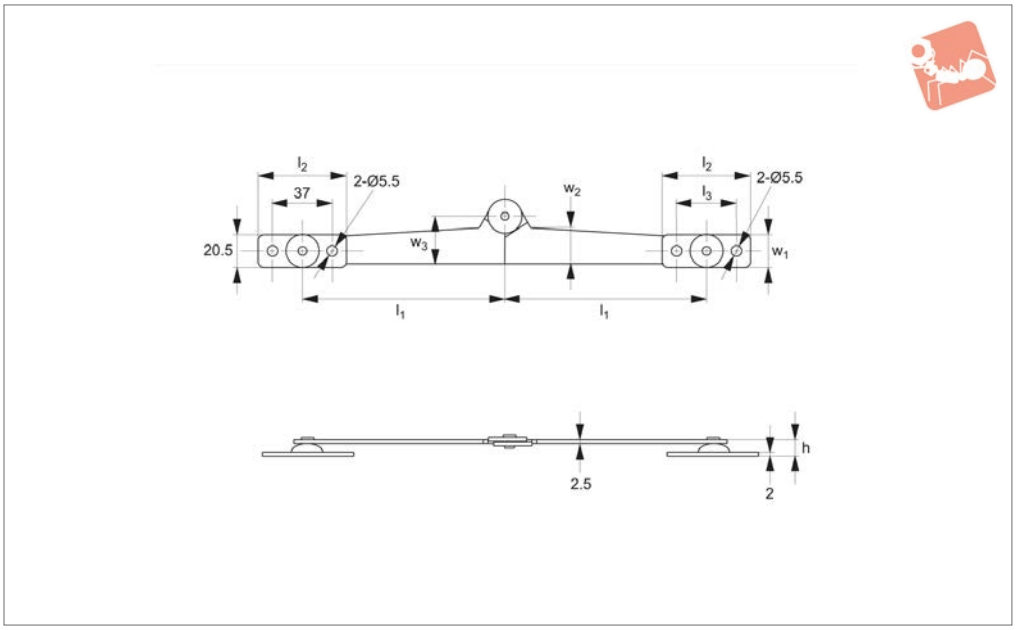


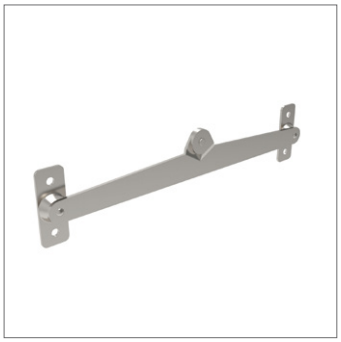
Material
Steel, bright chrome plated.

Technical Notes
Fitted with positioning spring and steel ball at pivot point to provide positive stop.

Important Notes
Right or left handed, please refer to table.
Ideal for screw or weld-on mounting.

Order No.	Hand	l_1	l_2	l_3	l_4	l_5	h	w
N0857.AW0010	Right	134	67	36.5	25.5	35	9	14
N0857.AW0020	Left	134	67	36.5	25.5	35	9	14





N0859

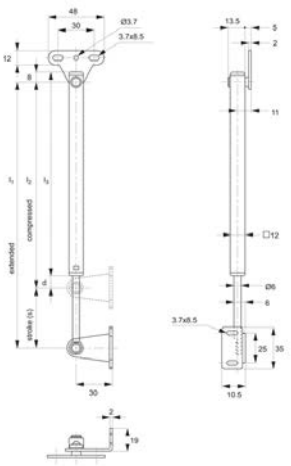
Material
Steel, chrome plated.

Technical Notes
Universal for right and left hand applications. Ideal for screw or weld-on application.

Order No.	l_1	l_2	l_3	h	w_1	w_2	w_3
N0859.AW0010	124	55.5	37	9.5	20.5	22	29

Spring Loaded Lid Stays
stainless steel

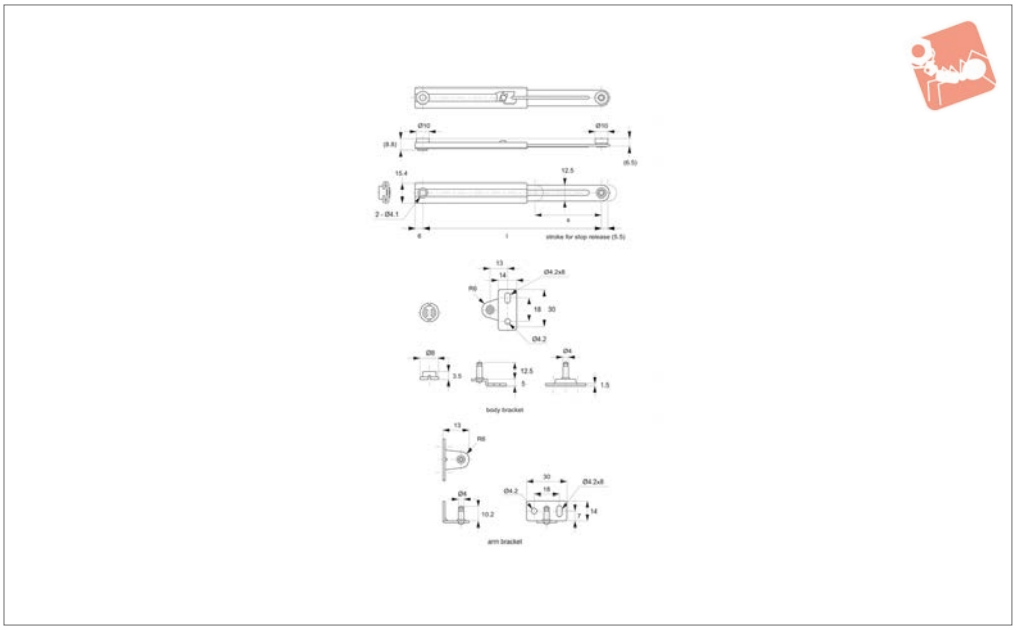
N0900



Material
Stainless steel, AISI 304, satin finish.

Important Notes
Spring mechanism assists lifting door and holds in open position (see installation table for suitable lid weights).

Order No.	l_1	l_2	l_3	d	s	Extended force kgf	Compressed force kgf	Weight g
N0900.AC0010	222	172	170	10	50	3.2	7.0	145
N0900.AC0020	335	250	238	20	85	3.8	8.5	185
N0900.AC0030	380	280	269	19	100	3.6	8.5	205

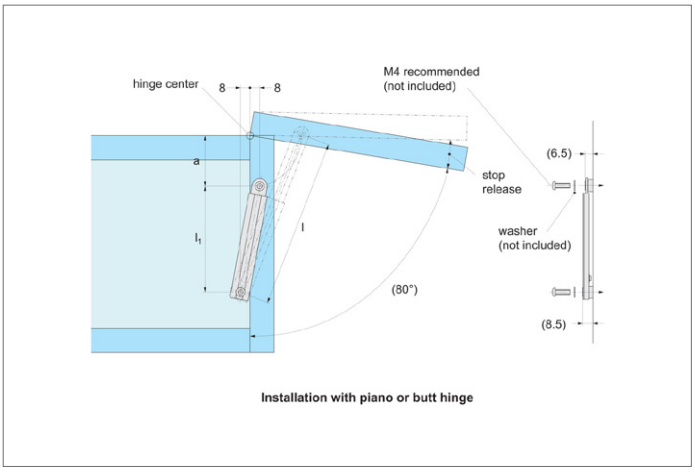


N0920

Material
Body: stainless steel, AISI 304, polished.
Washer: polyacetal.

Technical Notes
Positive stop keeps lid opened. Compact size. Easy fitting with M 4 screw (please order separately, see table) or with mounting bracket set.
Mounting bracket set contains one body bracket and one arm bracket.

Order No.	Stop release stroke r	l_1	l_2	a	s	Load N max.	Stop release angle	Weight g
N0920.AC0100	5.5	100	67	24	32	6.0	15°	31
N0920.AC0140	5.5	140	88	42	52	6.0	9°	38
N0920.AC0950	Mounting Bracket Set	-	-	-	-	-	-	20

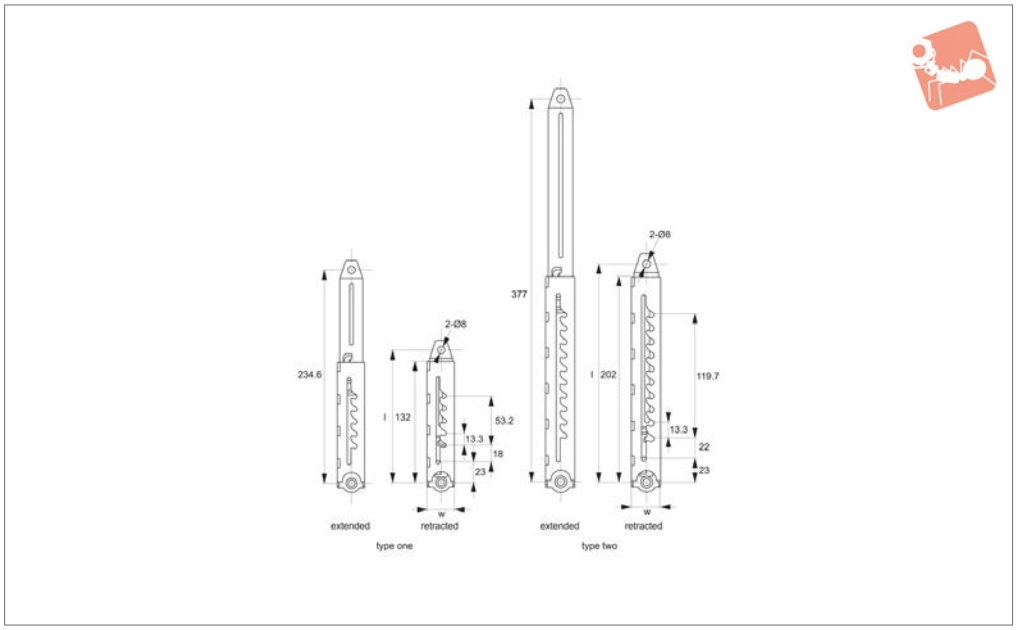


Installation with piano or butt hinge

Lid Stays - Ratchet Stops

steel - positive stop

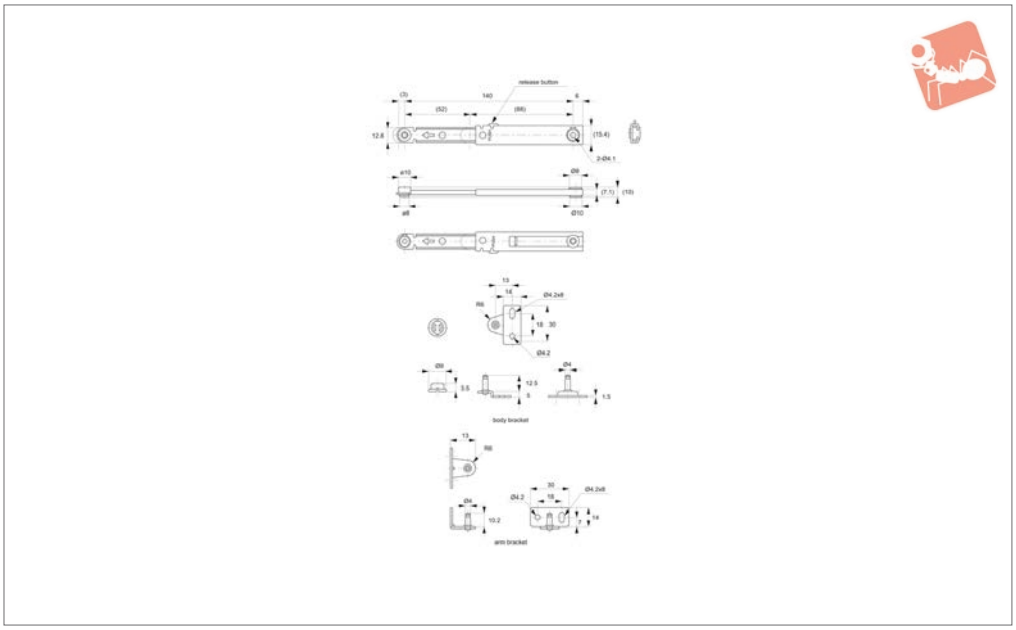
N0924



Material
Steel, zinc plated.

Technical Notes
Multiple stops keeps lid open at various heights. To release lid extend fully, then retact.
Load Bearing:
N0924.AW0010- 250N (25kgs)
N0924.AW0020- 600N (61kgs)

Order No.	Type	No. of stop positions	l	w
N0924.AW0010	One	5	145	29.5
N0924.AW0020	Two	10	217	29.5



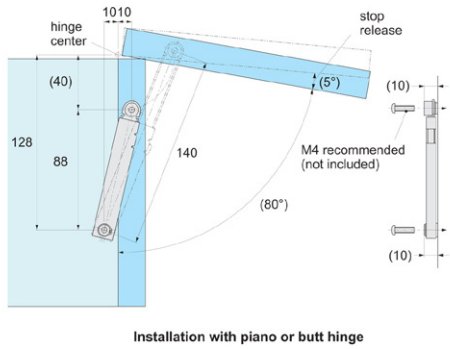
N0930

Material
Stainless steel, AISI 304.

Technical Notes
When fully extended stay is mechanically locked. Push locking button in-ward to release the stay. Universal for right and left hand applications. Easy fitting with M 4 screws or with mounting bracket set - please order separately, see table. Mounting bracket set contains one body bracket and one arm bracket.

Tips
Mechanical lock makes the stay ideal for applications where shocks, vibration or sudden gusts of wind are present.

Order No.	Opening angle ° max.	Type	Load capacity/each kg	Weight g
N0930.AC0140	80°	Universal	15	40

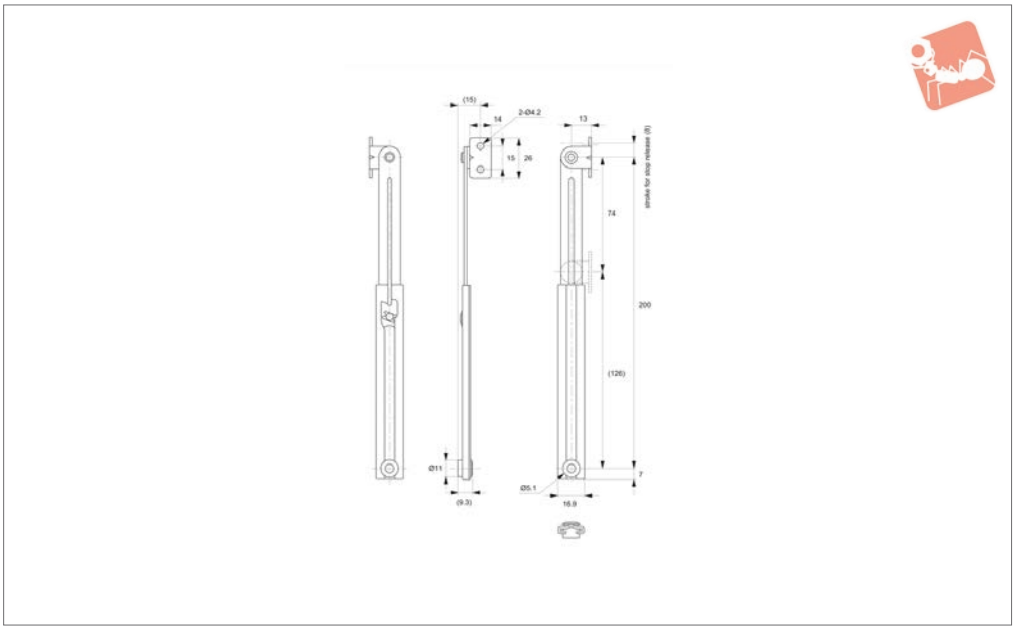


Installation with piano or butt hinge

Lid Stays

positive stop, stainless steel

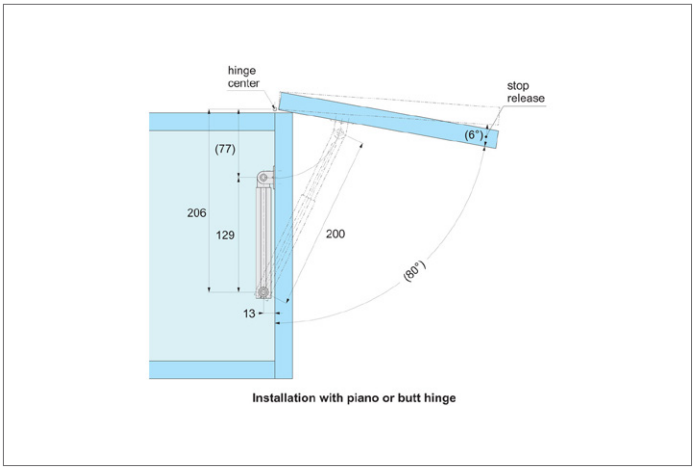
N0940



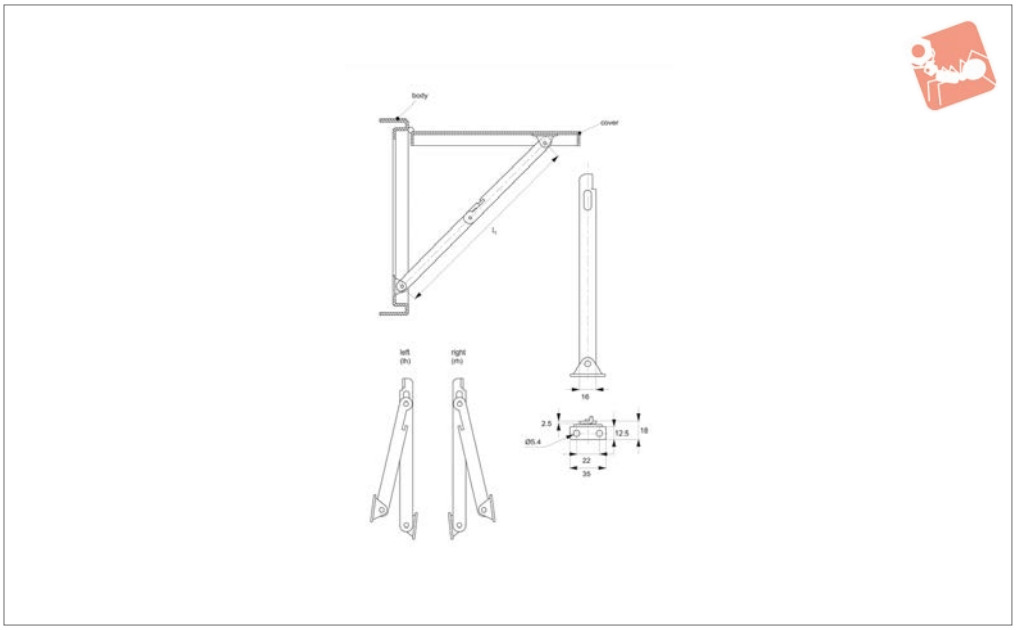
Material
Stainless steel, AISI 304.

Technical Notes
Positive stop keeps lid open. Compact design. Universal for right and left hand applications.

Order No.	Opening angle ° max.	Extended length	Stroke for stop release	Load capacity/each kg	Weight g
N0940.AC0200	80°	200	8	15	65



Installation with piano or butt hinge



N0950

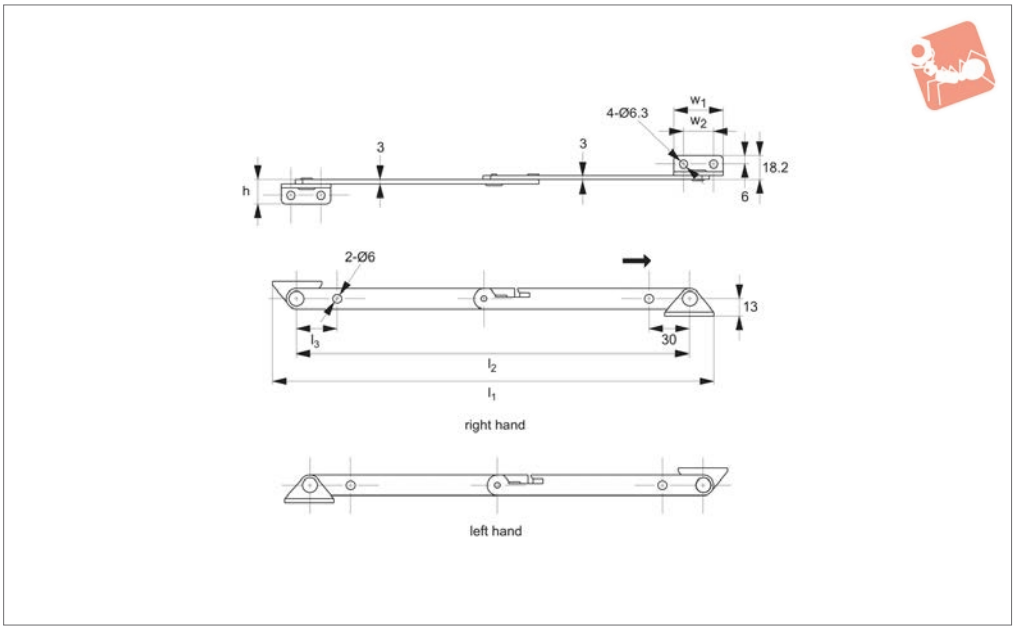
Material
Steel, zinc plated.

Technical Notes
Left or right hand specific, please refer to table. Ideal for screw or weld-on mounting.

Order No.	Hand	l_1
N0950.AC0008	Right	202
N0950.AC0006	Right	135
N0950.AC0010	Right	292
N0950.AC0106	Left	135
N0950.AC0108	Left	202
N0950.AC0110	Left	292

Lid Stays
stainless steel

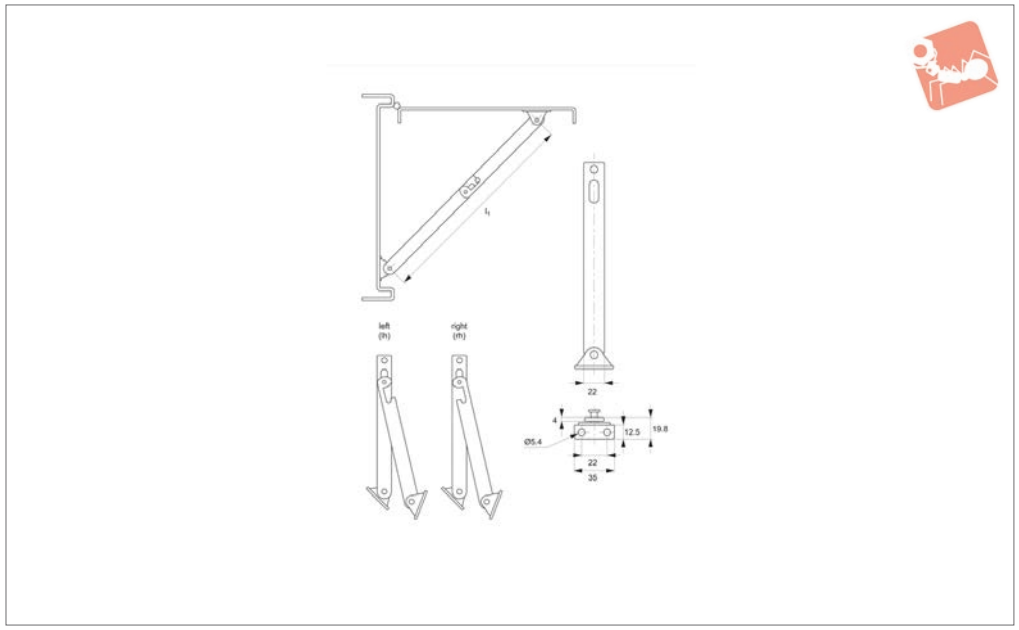
N0951



Material
Stainless steel AISI 304.

Technical Notes
Left or right hand specific, please refer to table. Ideal for screw or weld-on mounting.

Order No.	Hand	l_1	l_2	h_1	w_1	w_2
N0951.AW0010	Left	326	290	18.2	36	22
N0951.AW0020	Right	326	290	18.2	36	22



N0952

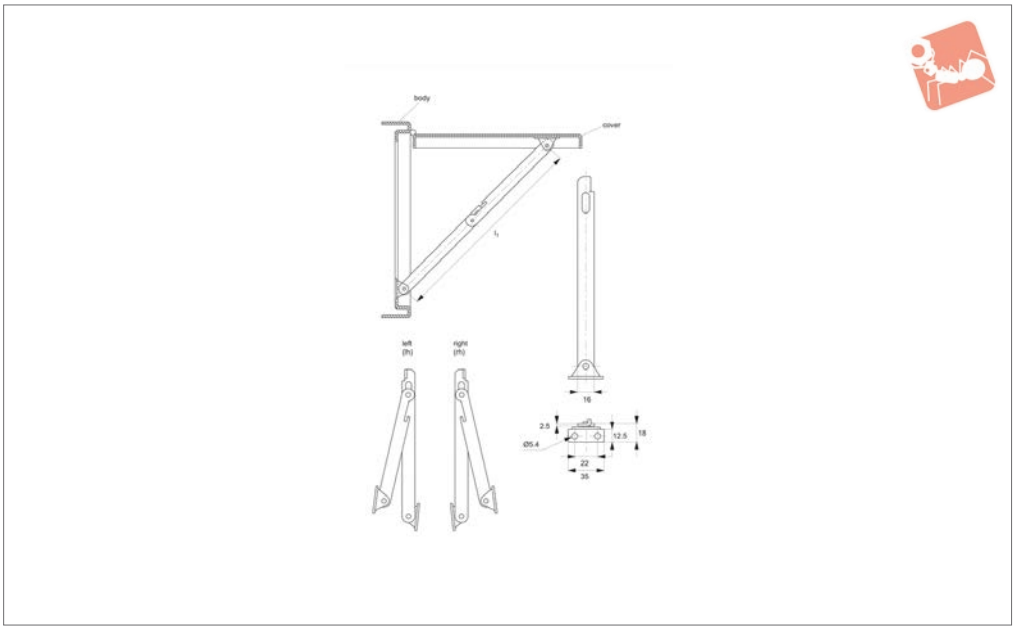
Material
Steel, zinc plated.

Technical Notes
Right or left handed, please refer to table.
Ideal for screw or weld-on mounting.

Order No.	Hand	l_1
N0952.AC0006	Right	135
N0952.AC0106	Left	135
N0952.AC0008	Right	202
N0952.AC0108	Left	202
N0952.AC0010	Right	292
N0952.AC0110	Left	292

Lid Stays
stainless steel

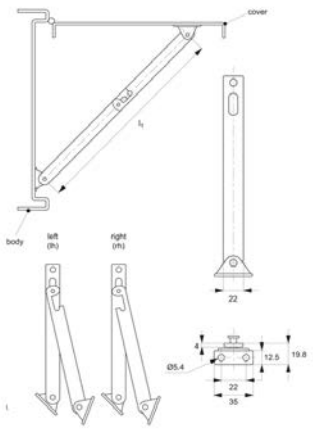
N0954



Material
Stainless steel, AISI 304.

Technical Notes
Right or left handed, please refer to table.
Ideal for screw or weld-on mounting.

Order No.	Hand	l_1
N0954.AC0006	Right	135
N0954.AC0008	Right	202
N0954.AC0010	Right	292
N0954.AC0108	Left	202
N0954.AC0106	Left	135
N0954.AC0110	Left	292



N0956

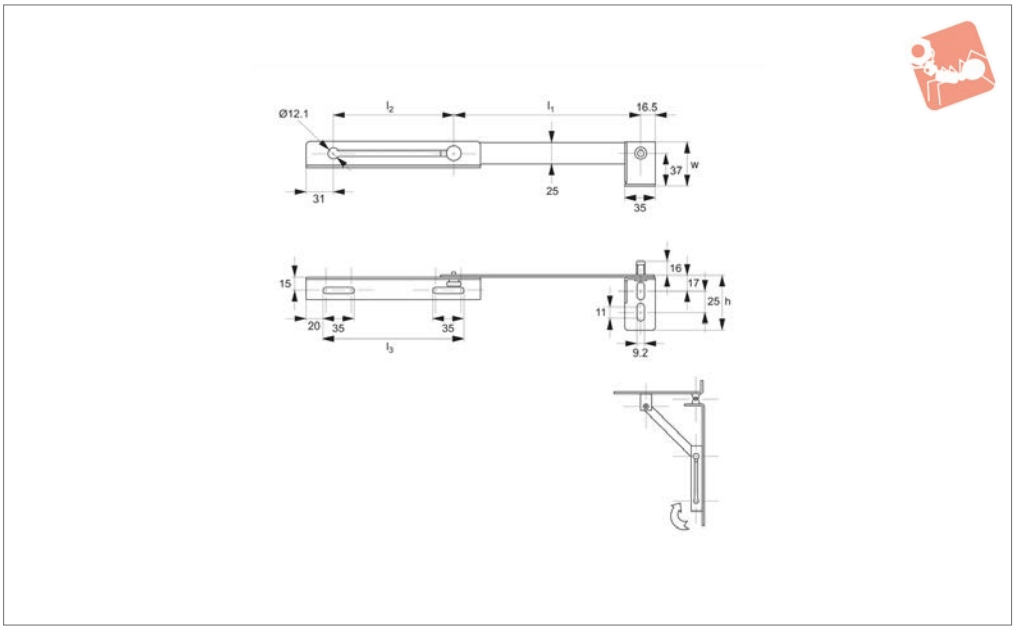
Material
Stainless steel, AISI 304.

Technical Notes
Right or left handed, please refer to table.
Ideal for screw or weld-on mounting.

Order No.	Hand	l_1
N0956.AC0006	Right	135
N0956.AC0008	Right	202
N0956.AC0010	Right	292
N0956.AC0106	Left	135
N0956.AC0108	Left	202
N0956.AC0110	Left	292

Lid Stay

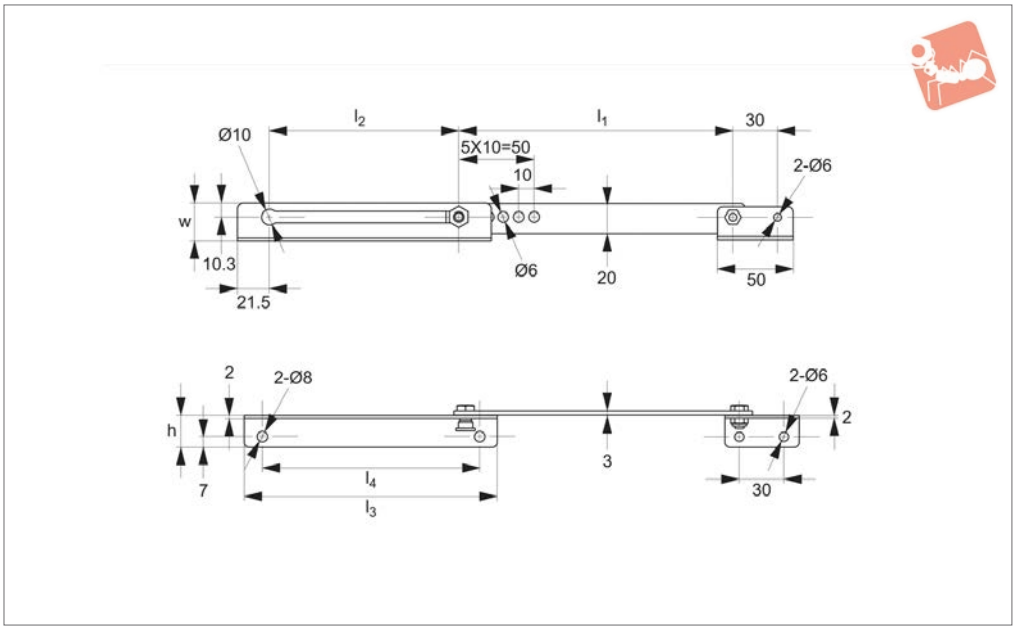
N0982



Material
Stainless steel AISI 304.

Technical Notes
Universal left or right hand. Lid stay arm and bracket can be fixed on either side - to suit both left and right installation.

Order No.	l_1	l_2	l_3	h	w
N0982.AW0010	220	138	160	62	50



N0984

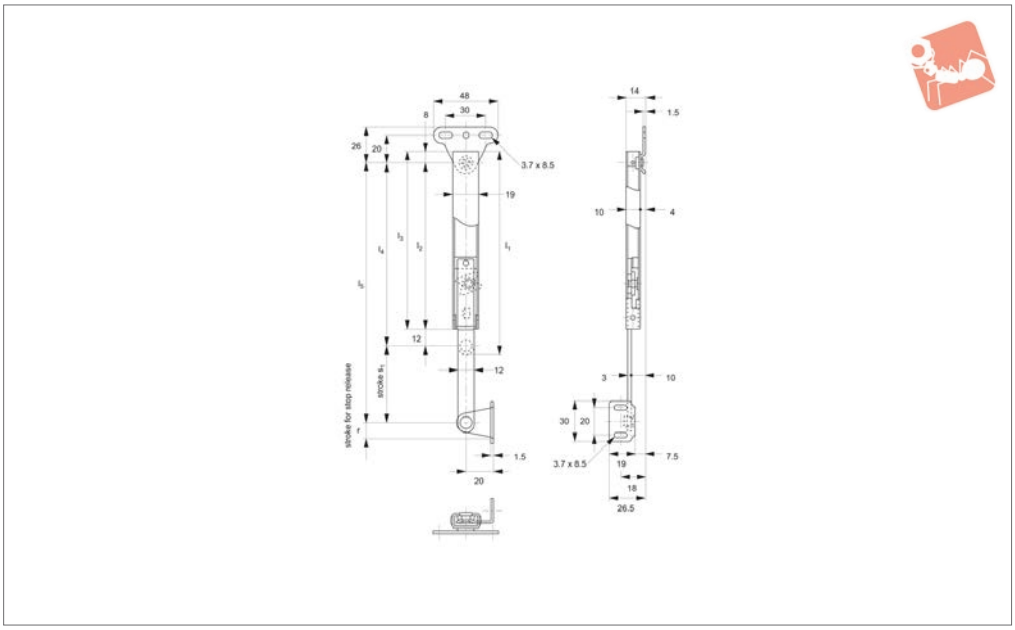
Material
Stainless steel AISI 304.

Technical Notes
Universal left or right hand. Lid stay arm and bracket can be fixed on either side - to suit both left and right installation. Stay length l_1 can be adjusted from min. 134 to max. 184mm, via use of 5 holes spaced at 10mm.

Order No.	l_1 min.	l_1 max.	l_2	l_3	l_4	h	w
N0984.AW010	134	184	127	170	146	21	27

Lid Stays
with positive stop - stainless steel

N0500

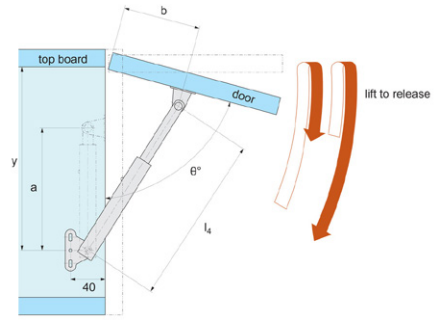


Material
Stainless steel, AISI 304, satin finish.

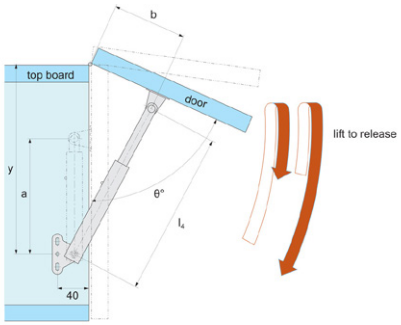
Technical Notes
Universal left or right hand application.

Max. load Kg is per stay. Only one stay required per lid. Stay has positive stop to hold lid in fully open position. For use with piano or butt hinge.

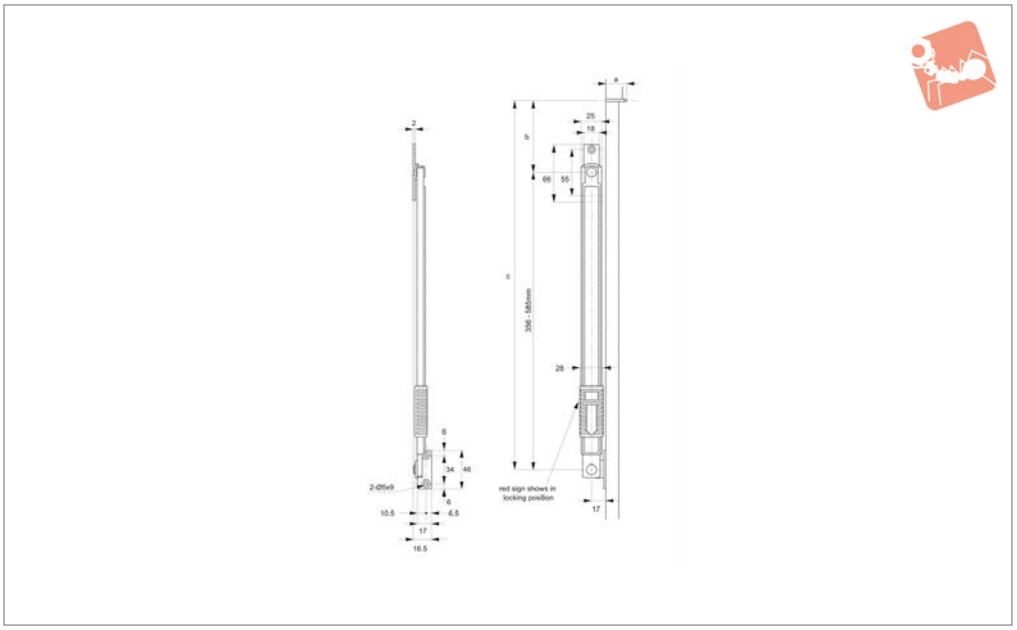
Order No.	Opening angle ° max.	Stop release stroke r	l_1	l_2	l_3	a	b	c	Load kg max.	Lid height mm	Weight g
N0500.AC0014	75°	14.5	148	121	129	133	62	195	15	250 - 350	125
N0500.AC0018	90°	14.5	185	158	166	170	100	270	15	320 - 500	150
N0500.AC0016	90°	22.0	168	141	149	153	62	215	15	260 - 350	140
N0500.AC0020	120°	22.0	205	178	186	190	100	290	15	340 - 500	160



Installation with concealed hinge



Installation with piano or butt hinge



N2000

Material
Stainless steel, AISI 304, with polyacetal (POM) latch.

Technical Notes
Holds handle open at multiple angles.

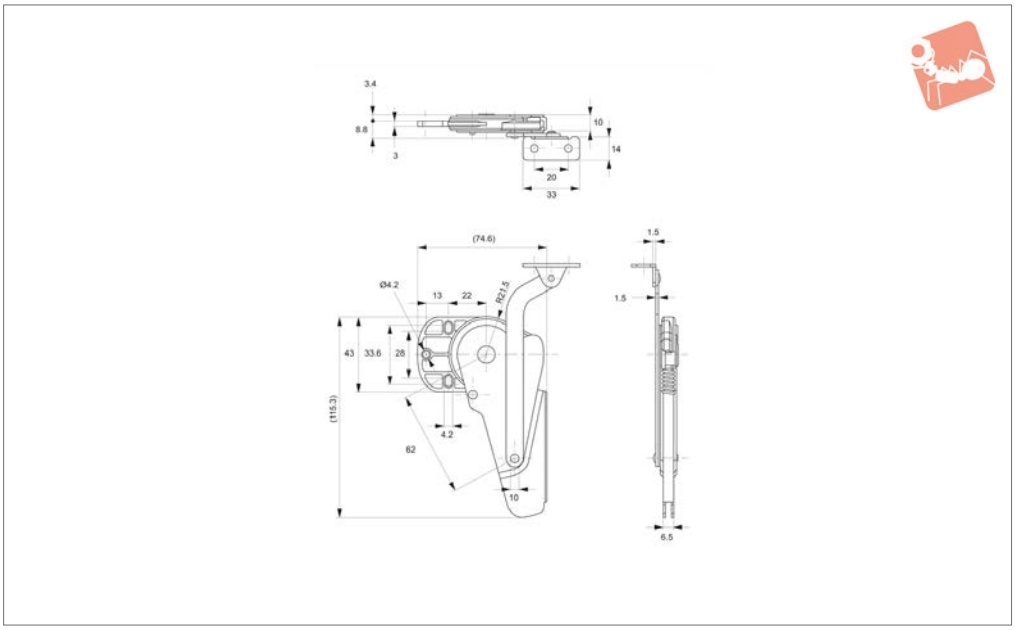
Slide lock lever to lock/unlock stay.
For outward opening doors only.
Max. door size:
h = 2000mm
w = 600 - 910mm

t = 25 - 45mm
See installation table below.

Order No.	Door opening angle max.	Weight g
N2000.AC0010	90°	338

Mini-Door Closer - Stainless Steel
soft-closing, 90° angle

N2020

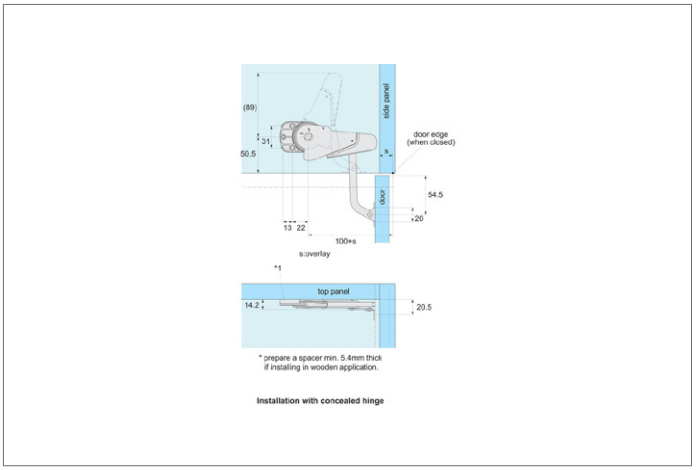


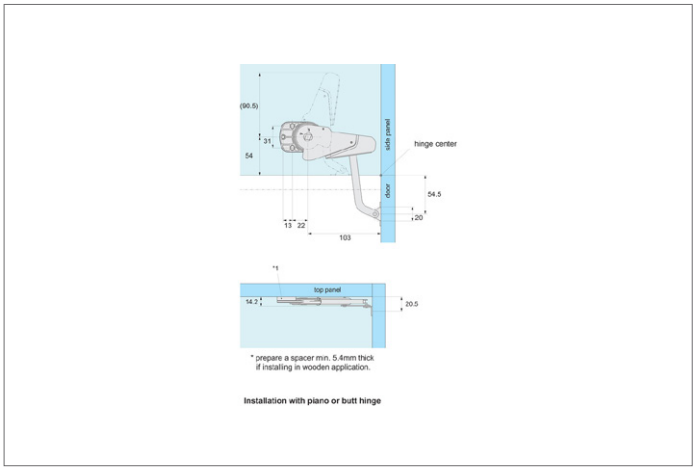
Material
Body: stainless Steel, AISI 304.

Technical Notes
Suitable for small lightweight doors to maximum of 0.7Kg, 300mm wide. Equipped with dampening mechanism for soft closing.

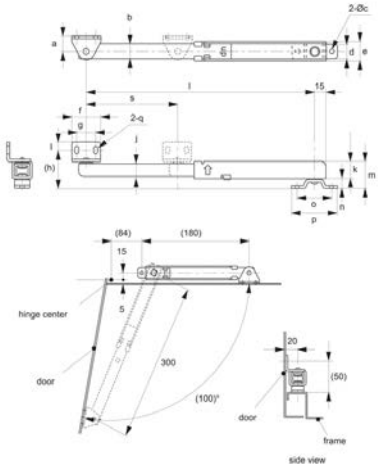
Tips
Stay holds door in 90° open position. When pushed to close, stay gently pulls door closed. For mounting in the inside top panel of door.

Order No.	Opening angle °	Hand	Door weight kg	Door width mm max.
N2020.AC0010	90°	Right	0,3 - 0,7	300
N2020.AC0020	90°	Left	0,3 - 0,7	300





Wixroyd AN ESSENTRA COMPANY



N2050

Material
Steel, yellow zinc chromate.

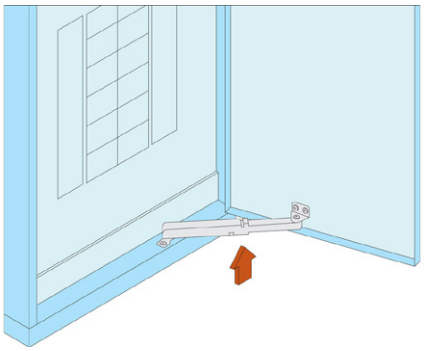
Technical Notes
Mechanically locks door when fully open.

Install at base of door for quick foot release.

Important Notes
Check max. tensile force for load bearing capacity.

Order No.	a	b	c	d	e	f	g	h	i	Weight g
N2050.AC0005	15	15.9	5.5	17	20.0	33	20	42	8	205
N2050.AC0010	20	20.0	5.5	20	25.5	38	25	50	10	433
N2050.AC0020	20	20.0	9.0	20	25.5	38	25	50	10	460

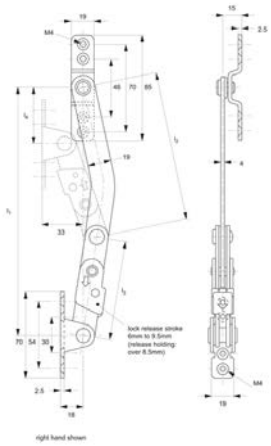
Order No.	j	k	l	m	n	o	p	q	s	Comp. load kg max.	Tensile force kg max.
N2050.AC0005	15.7	20.0	200	30	2.3	35	50	5,5x8,0	70	50	90
N2050.AC0010	17.0	22.5	300	35	3.2	45	60	5,5x9,5	120	60	150
N2050.AC0020	17.0	22.5	300	35	3.2	50	72	5,5x9,5	120	60	150



Door Stays

stainless steel - 100° opening

N2100



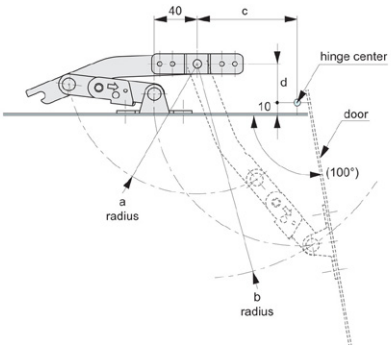
Material

Stainless steel, AISI 304, polished.

Technical Notes

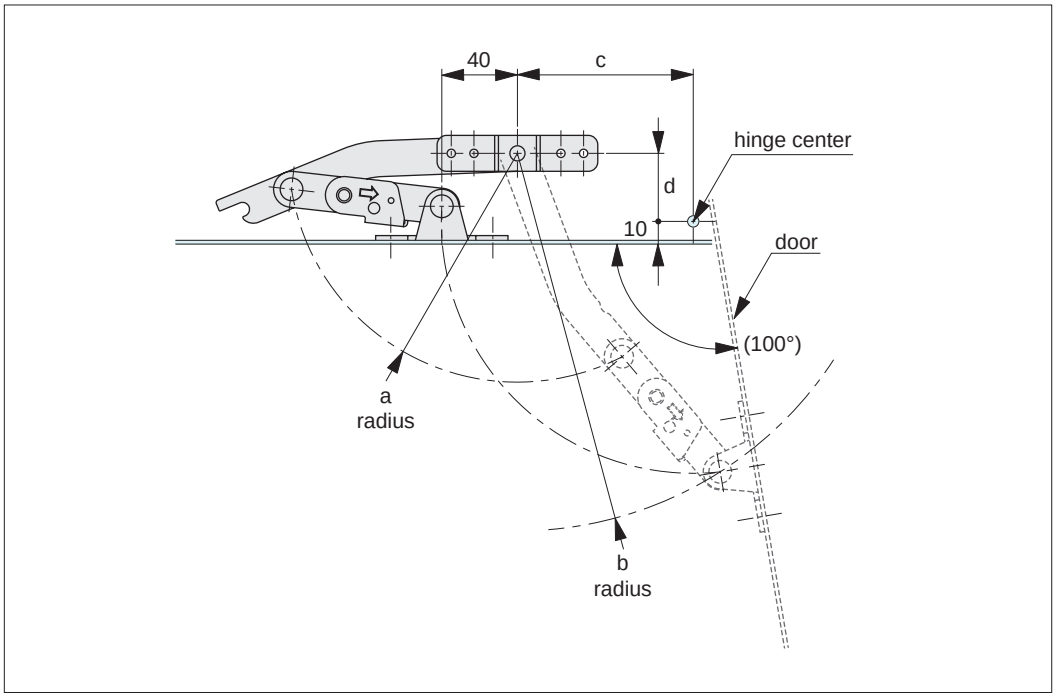
Mechanically locks door at fully open position. Slide the locking lever to release stay. Lever will remain in unlocked position until the door is returned to fully open position.

Order No.	Type	l_1	a	b	c	d	l_2	l_3	l_4	Weight g
N2100.AC0110	Left	200	121	200	93	36	121	80	45	290
N2100.AC0010	Right	200	121	200	93	36	121	80	45	290
N2100.AC0120	Left	280	161	280	145	40	161	120	44	340
N2100.AC0020	Right	280	161	280	145	40	161	120	44	340

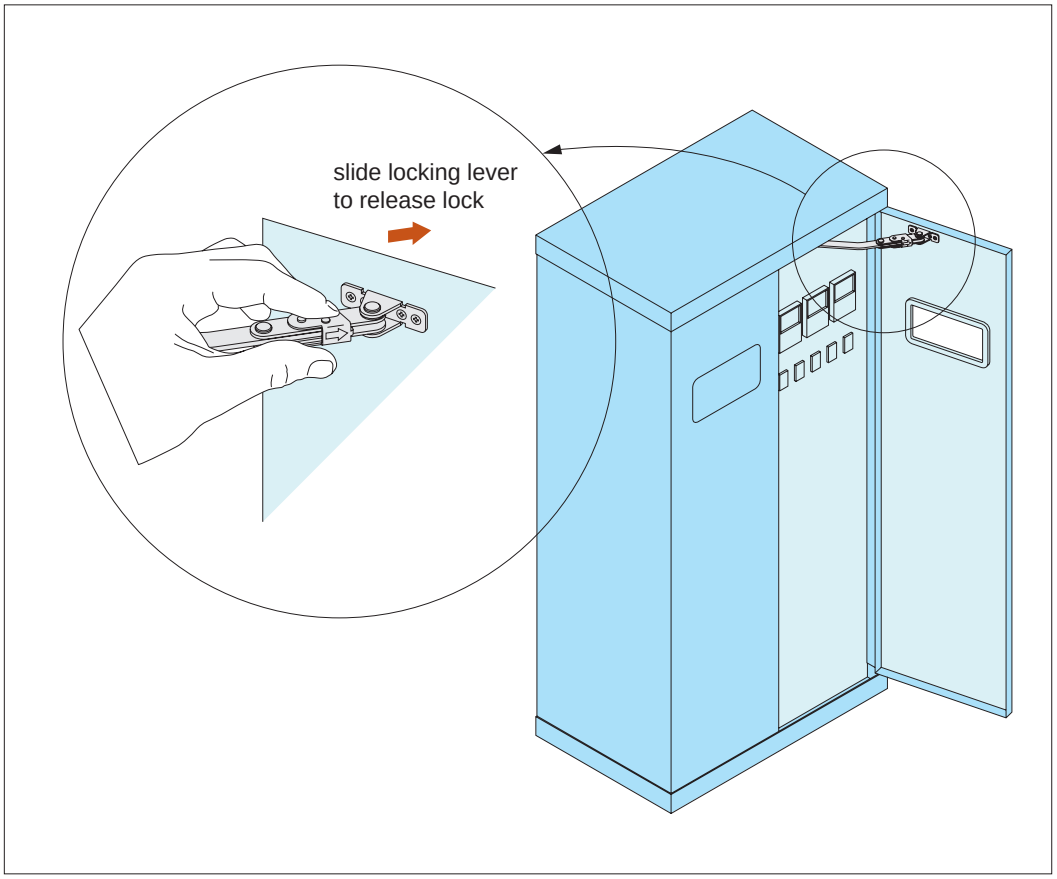


Installation

Installation dimensions

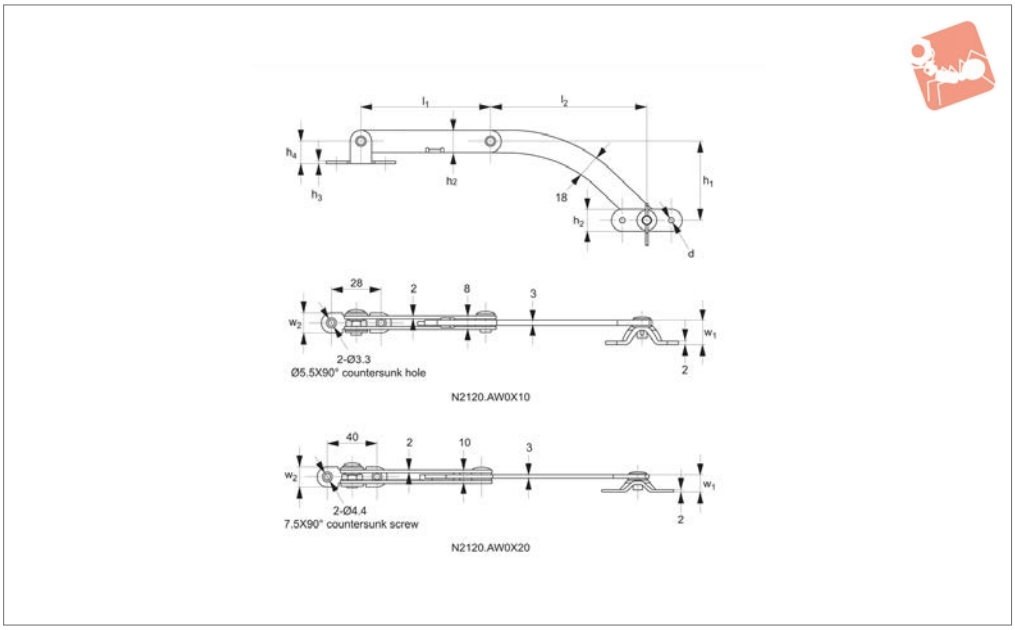


Easy actuation and release



Door Stays
steel

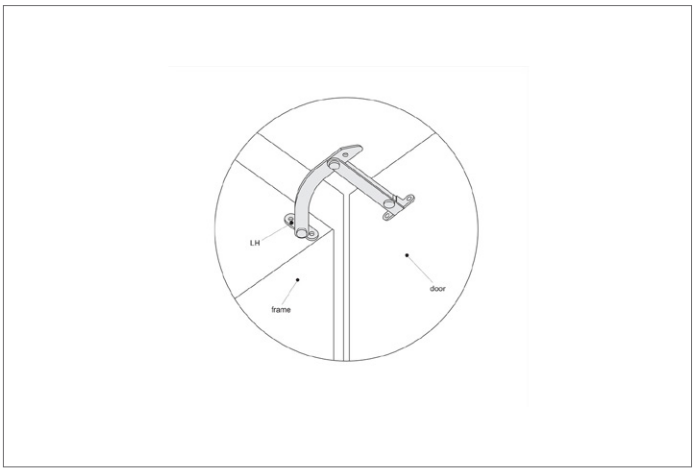
N2120

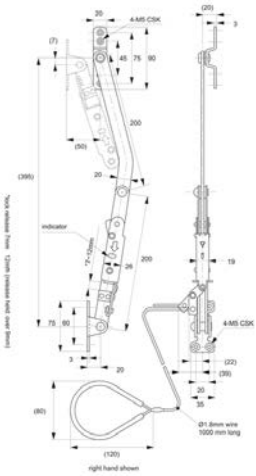


Material
Body: steel, chrome plated.

Technical Notes
Select left or right handed - please refer to table. Ideal for screw or weld-on mounting.

Order No.	Hand	l_1	d	h_1	h_2	h_3	h_4	l_2	w_1	w_2
N2120.AW0010	Left	105	2-Ø3,3 Ø5,5X90°	64	18	1.5	12	127	14.0	16
N2120.AW0020	Left	70	2-Ø4,2 Ø6,2X90°	43	12	2.0	18	85	13.5	12
N2120.AW0110	Right	105	2-Ø3,3 Ø5,5X90°	64	18	1.5	12	127	14.0	16
N2120.AW0120	Right	70	2-Ø4,2 Ø6,2X90°	43	12	2.0	18	85	13.5	12





N2200

Material
All parts from stainless steel, AISI 304.

Technical Notes
Suitable for heavy duty horizontal door applications. Right and left versions available, with or without lock release wire.

Tips
Locks automatically in open position, can be released via lock release or optional release wire.
Easy to install.

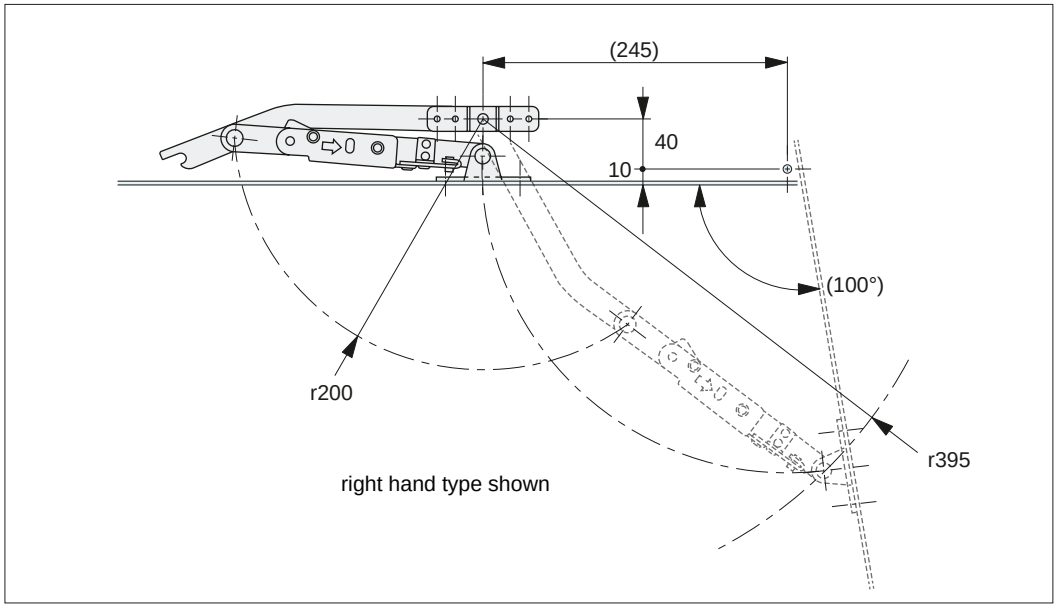
Order No.	Type	Finish	Comp. force kg max.	Tensile force kg max.
N2200.AC0010	Right	With Release Wire	60	150
N2200.AC0020	Right	Without Release Wire	60	150
N2200.AC0110	Left	With Release Wire	60	150
N2200.AC0120	Left	Without Release Wire	60	150

Wixroyd Door Stays

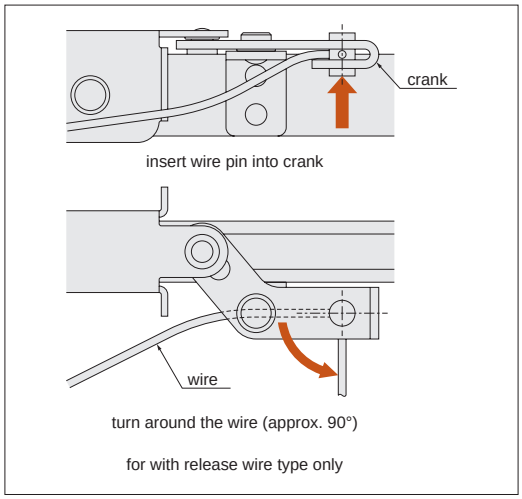
product selection charts

	Mounting			Door Opening			Material		Heavy Duty	Compression Force Kgf	Max Door Width mm	Tensile Force Kg	Max Angle
	Right	Left	Universal	Muti Stop	Soft Closing	Hold Open	Steel	Stainless Steel					
N2000 			✓	✓				✓			600-910		90°
N2020 	✓	✓			✓			✓		0,6-1,5	300		90°
N2050 			✓			✓	✓			50-60		50-60	100°
N2100 	✓	✓				✓		✓		50-60		150	100°
N2120 			✓			✓			✓	30		60	100°
N2200 	✓	✓				✓		✓	✓	50-60		150	100°

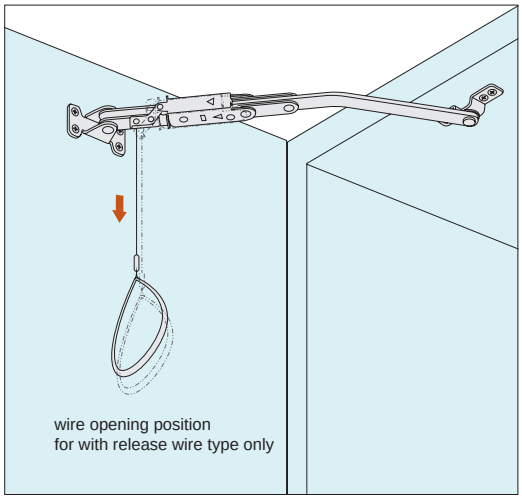
Installation dimensions



Installation of lock release wire



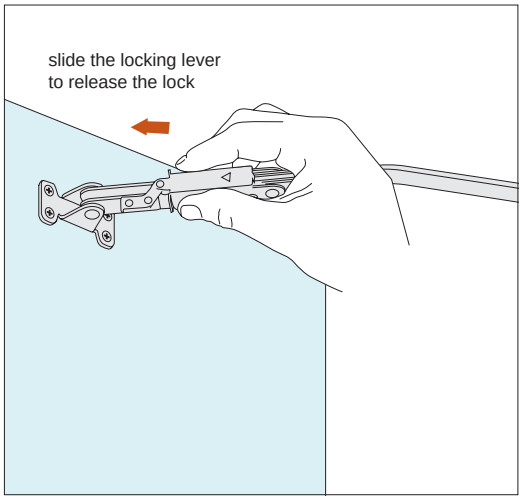
Installation of Lock Release Wire



Release of Stay with Release Wire

Stay lock and release

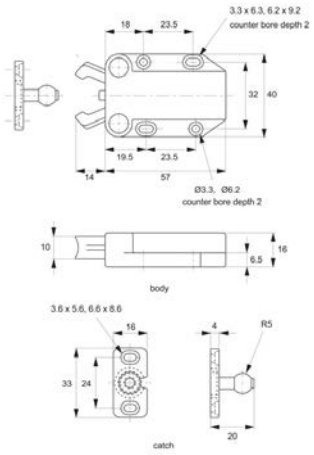
Full Lock Out Indicator



Manual Stay Release

Touch Latches
non-magnetic

E2200

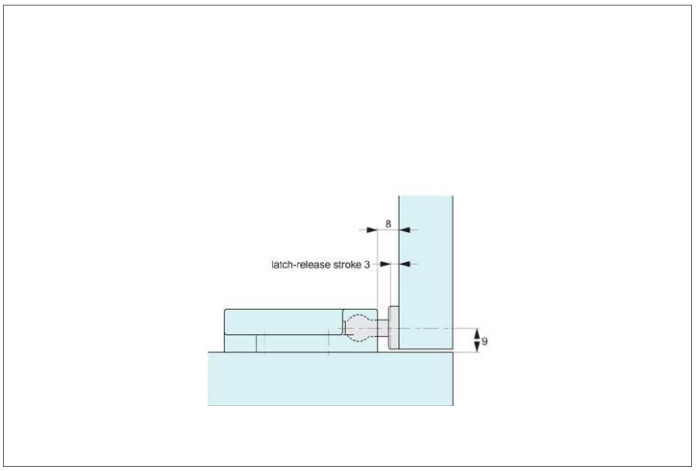


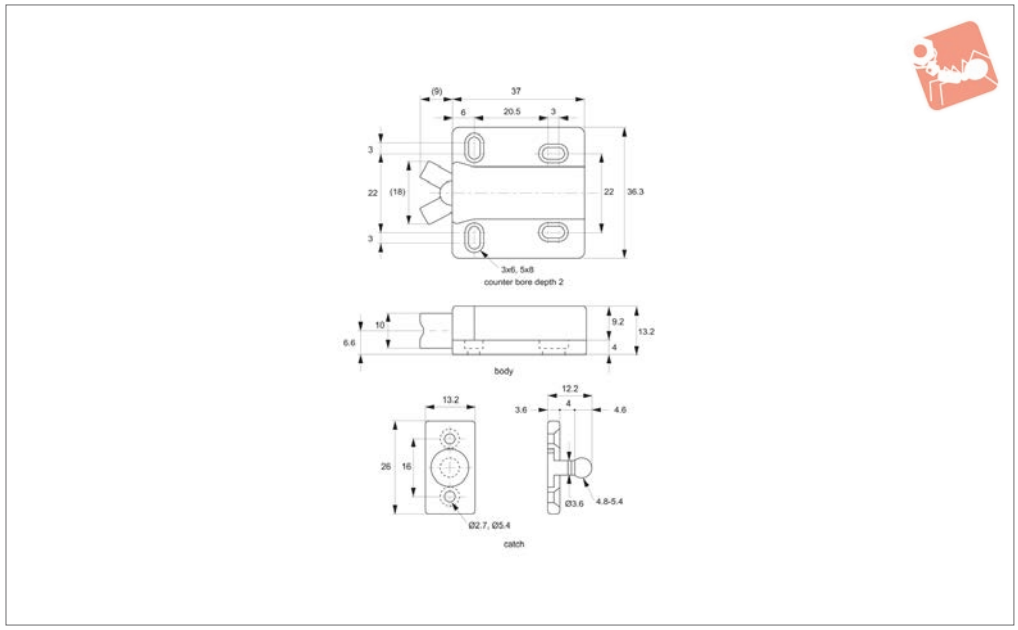
Material
Body and catch: ABS Plastic.

Technical Notes
For overlay door allow 3mm gap between door and cabinet frame for push space. Supplied with screws (3.1x13, 3.5x10).

Important Notes
Pulling the door with excessive force without unlatching the unit may damage the mechanism.
Constant loading of over 4Kgf, either pushing or pulling, is not recommended.

Order No.	Finish	Retaining force kg	Weight g
E2200.AC0010	White	8	24
E2200.AC0020	Black	8	24
E2200.AC0030	Brown	8	24





E2400

Material
Body and catch: ABS plastic.

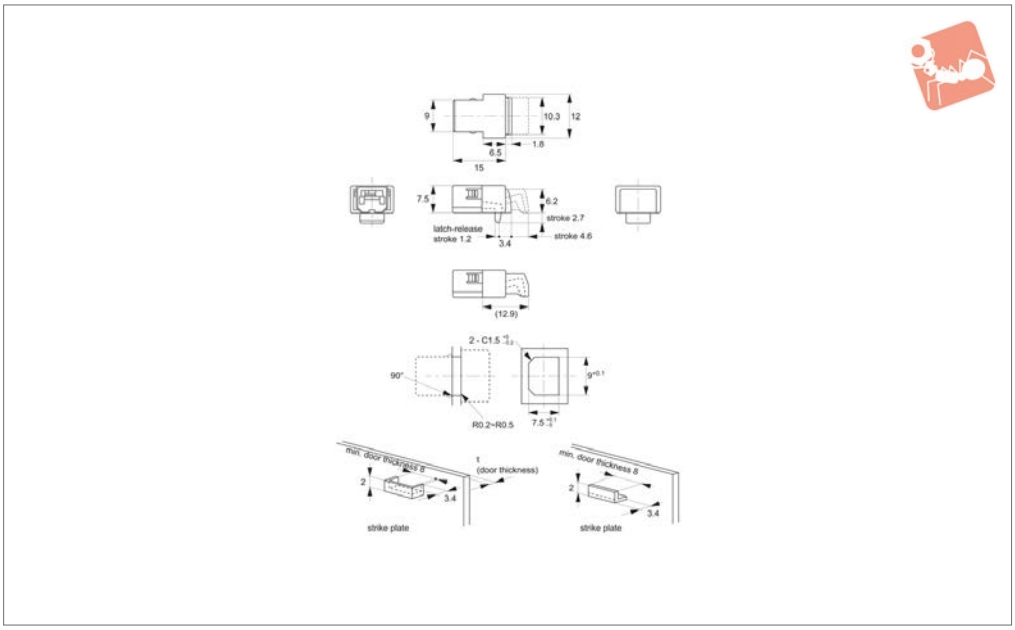
Technical Notes
For overlay door allow 3mm gap between door and cabinet frame for push space. Supplied with screws (2.7x13, 2.4x10).

Important Notes
Pulling the door with excessive force without unlatching the unit may damage the mechanism.
Constant loading of over 3Kgf, either pushing or pulling, is not recommended.

Order No.	Finish	Retaining force kgf	Weight g
E2400.AC0020	Black	3	15

Touch Latches
non-magnetic

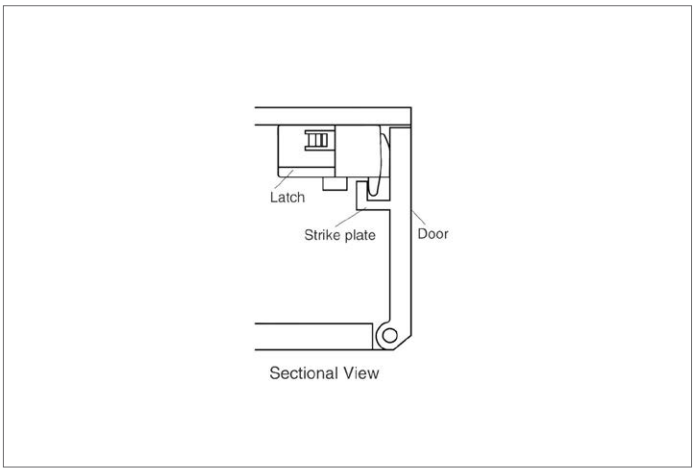
E2600

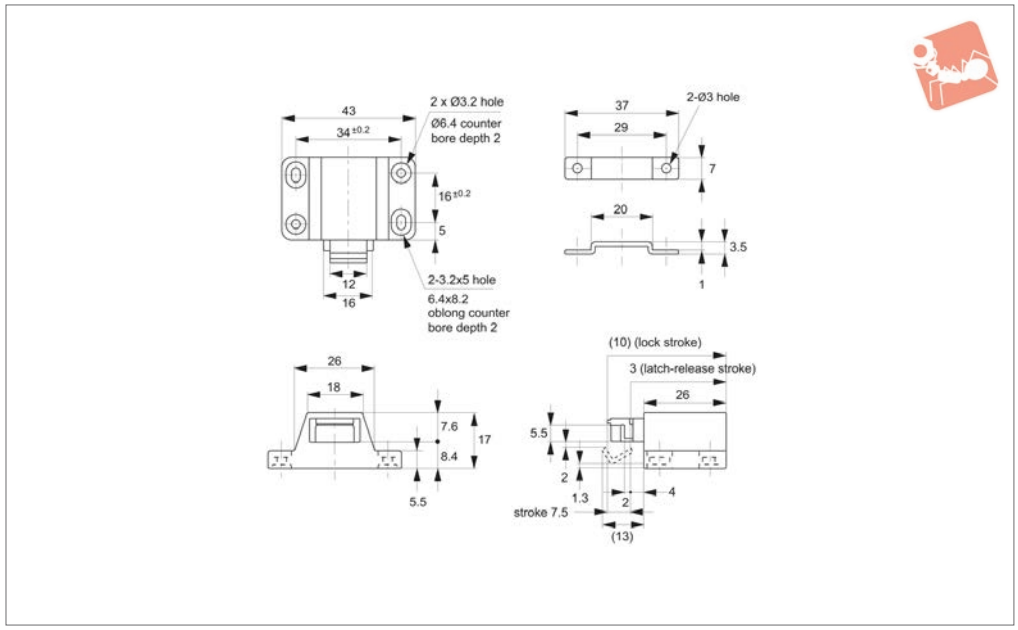


Material
Body: polycarbonate.

Technical Notes
No catch plate supplied. Dimensions shown of ‚Recommended Strike Dimensions' are for your own fabrication of strike to best suit your application.

Order No.	Retaining force kgf	Weight g
E2600.AC0020	1	1.1





E2800

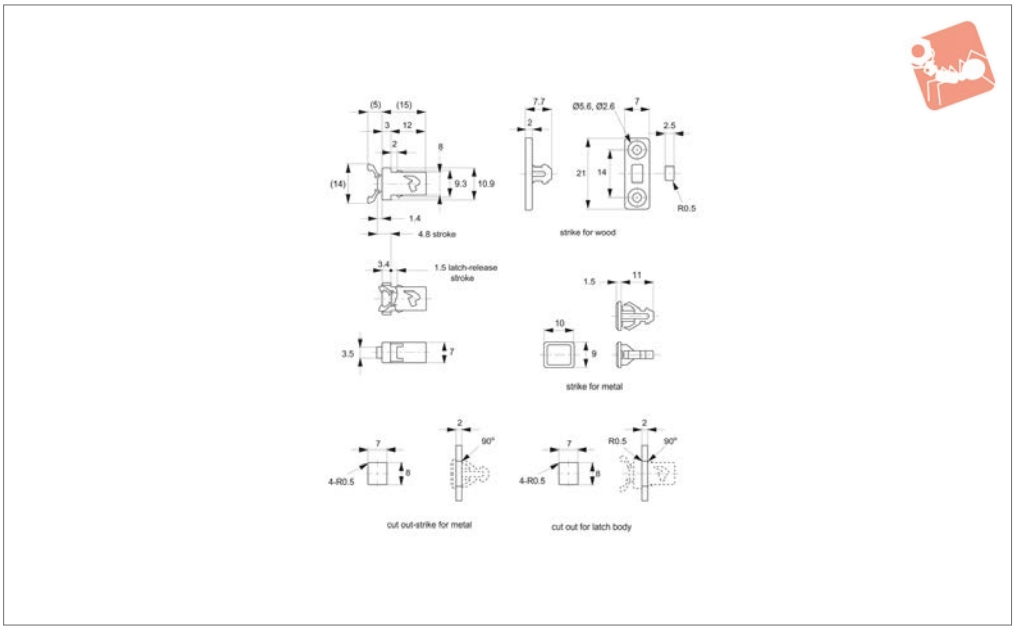
Material
Housing: ABS plastic.
Slide: polyacetal.
Strike, arm and yoke: steel.

Technical Notes
Screws not included.

Order No.	Finish	Retaining force kgf	Weight g
E2800.AC0020	Black	10	16.3

Mini Touch Latches
non-magnetic

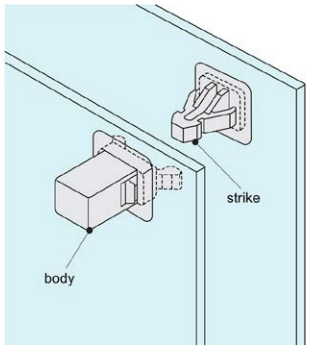
E3000

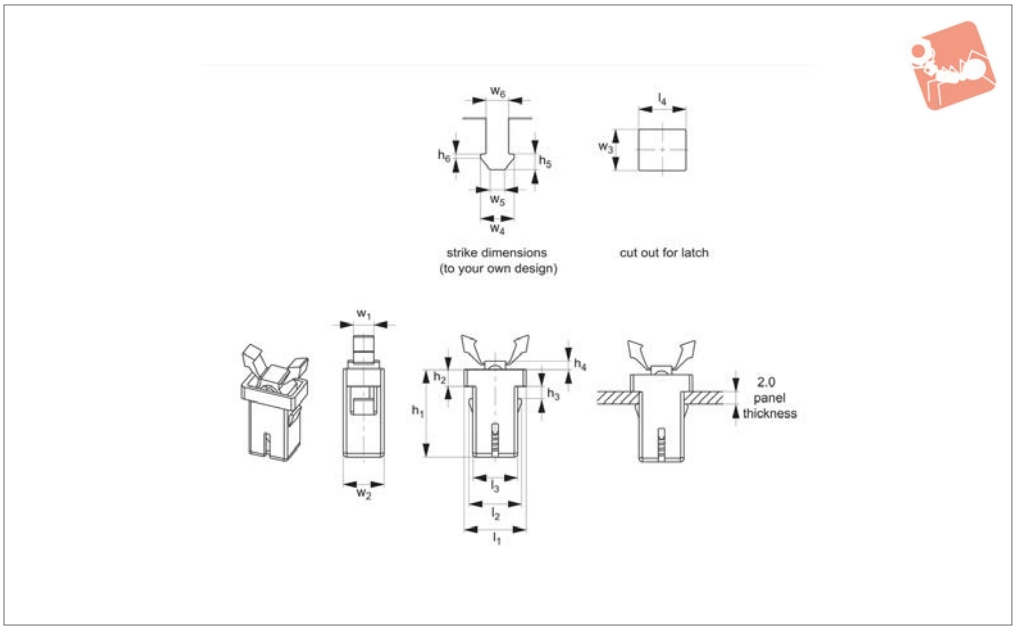


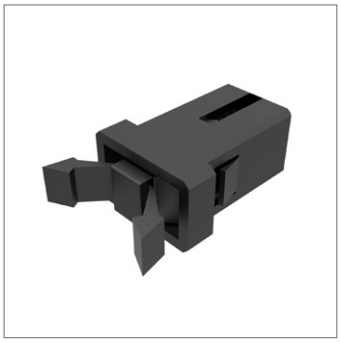
Material
Body: polyacetal.
Strike: polyamide.

Technical Notes
Strikes ordered separately. Screws not included.

Order No.	Type	Retaining force kgf	Weight g
E3000.AC0020	Latch	1.2	0.7
E3000.AC0022	Strike for Wood	-	0.2
E3000.AC0024	Strike for Metal	-	0.2







E3010

Material
Nylon and Polyacetal (POM)

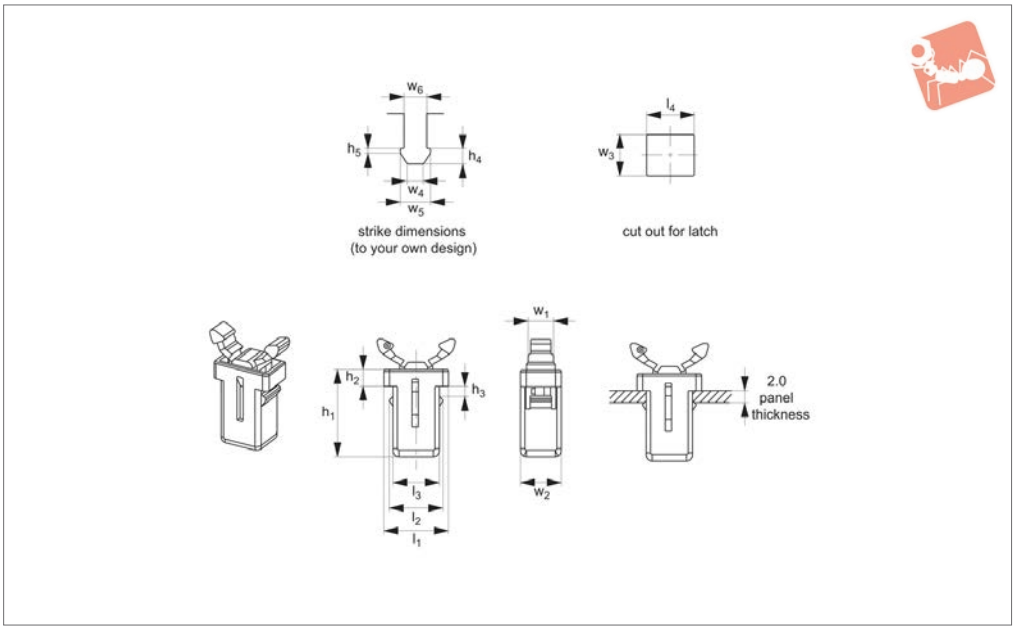
Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,0mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4
E3010.AC0010	10.9	14.9	9.2	7.9	8	2.9	2	1.5

Order No.	h_5	h_6	w_1	w_2	w_3	w_4	w_5	w_6
E3010.AC0010	2.6	0.6	3.5	6.9	7	5.3	2.6	4

E3012

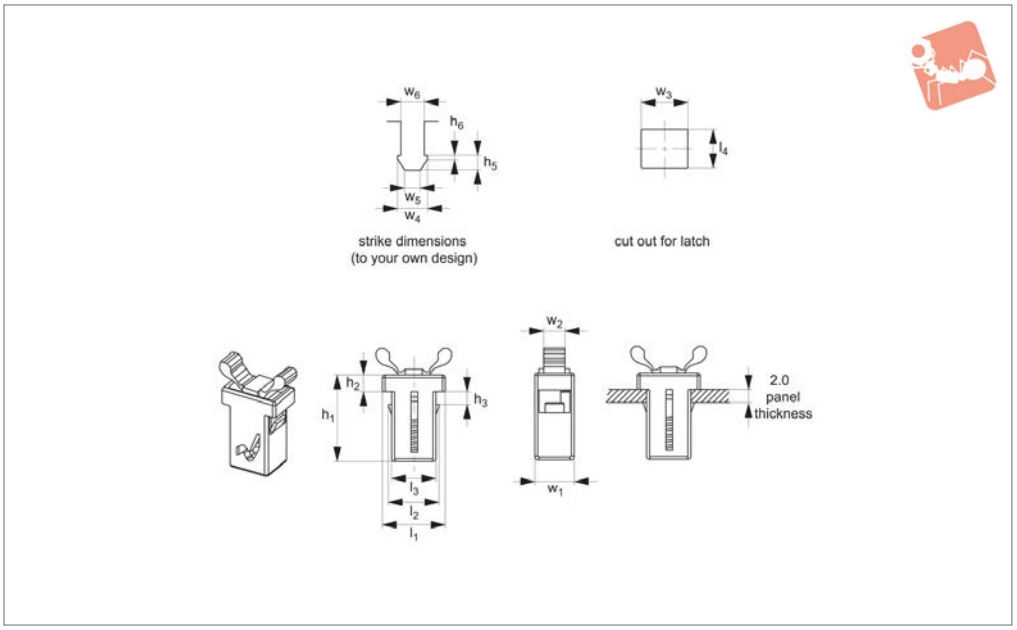


Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,0mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	h_5	w_1	w_2	w_3	w_4	w_5	w_6
E3012.AC0010	11.08	15	9.2	7.9	8.0	3	2	2.6	0.6	4.6	6.9	7	5.3	2.6	4.0



E3014

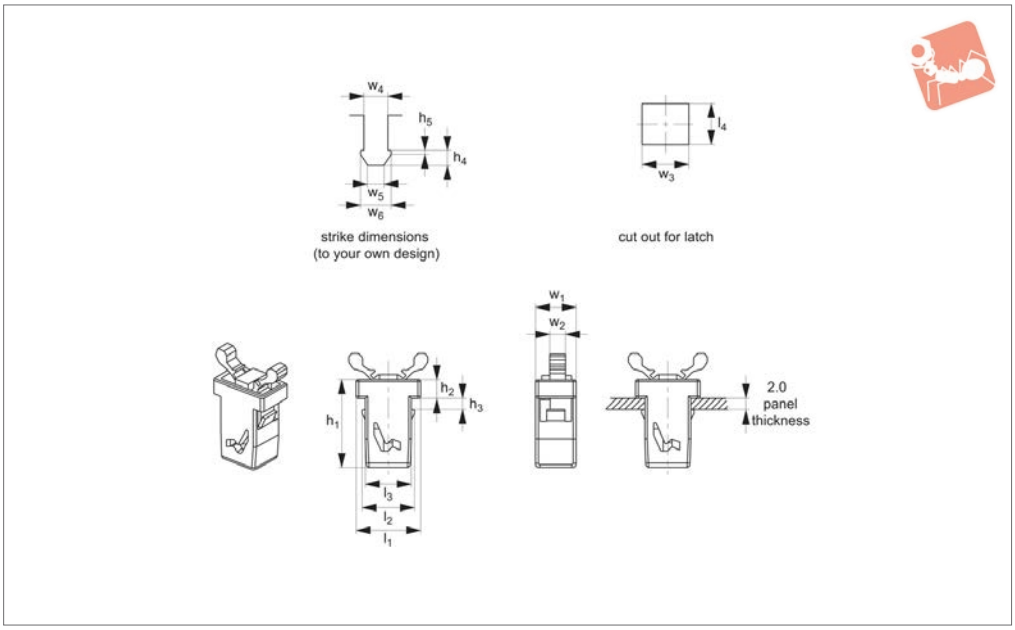
Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,1mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_5	h_6	w_1	w_2	w_3	w_4	w_5	w_6
E3014.AC0010	11	14.8	9.17	7.9	7	2.9	2.1	2.6	0.6	6.9	3.75	8	5.2	2.5	4.2

E3016

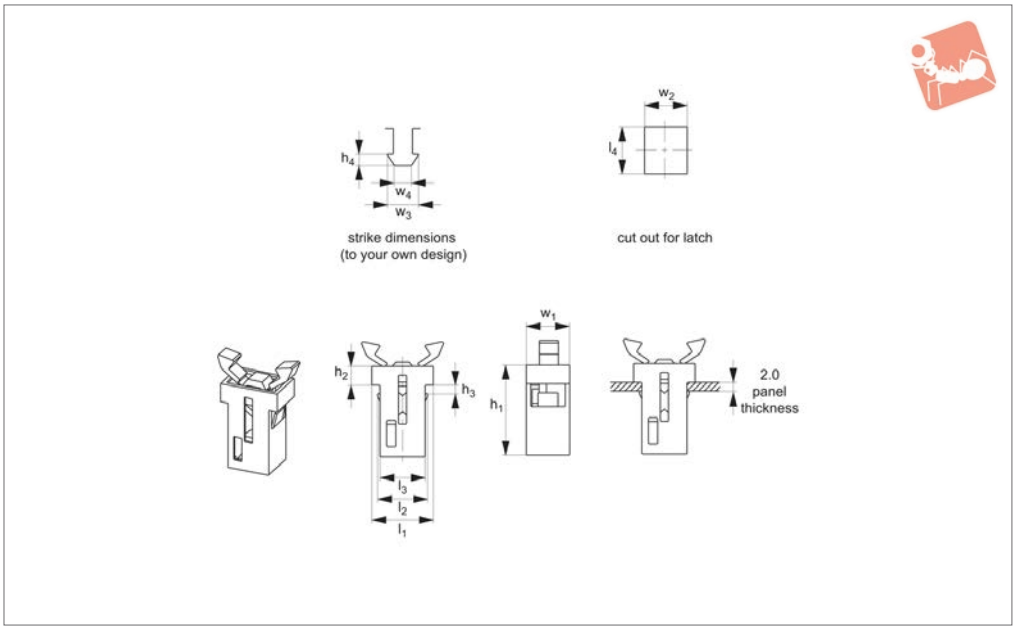


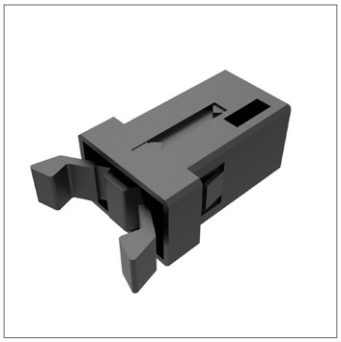
Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,0mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	h_5	w_1	w_2	w_3	w_4	w_5	w_6
E3016.AC0010	10.9	14.8	8.9	7.9	7	3.05	2	2.6	0.6	6.9	2.7	8.0	4.2	2.50	5.2





E3030

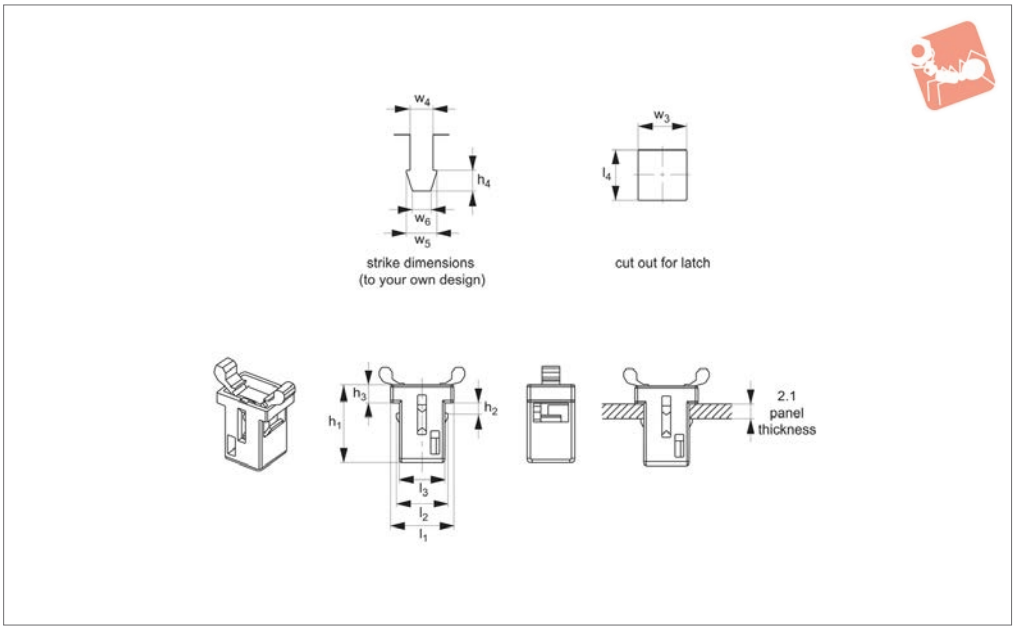
Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,0mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	w_1	w_2	w_3	w_4
E3030.AC0010	14	20.5	11.5	10.5	10.7	4.4	2	2.6	9.7	9.8	7	3.5

E3040

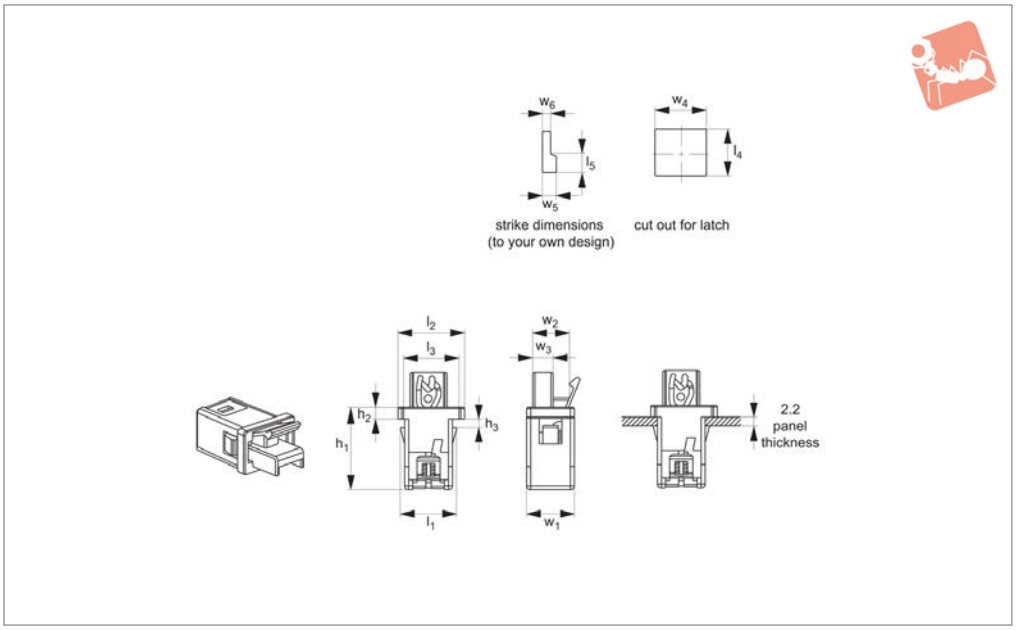


Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,1mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	w_1	w_2	w_3	w_4	w_5	w_6
E3040.AC0010	9	10.8	7.7	6.8	7	2.1	2	3.0	6.9	2.7	6.9	3.5	4.5	2.4



E3050

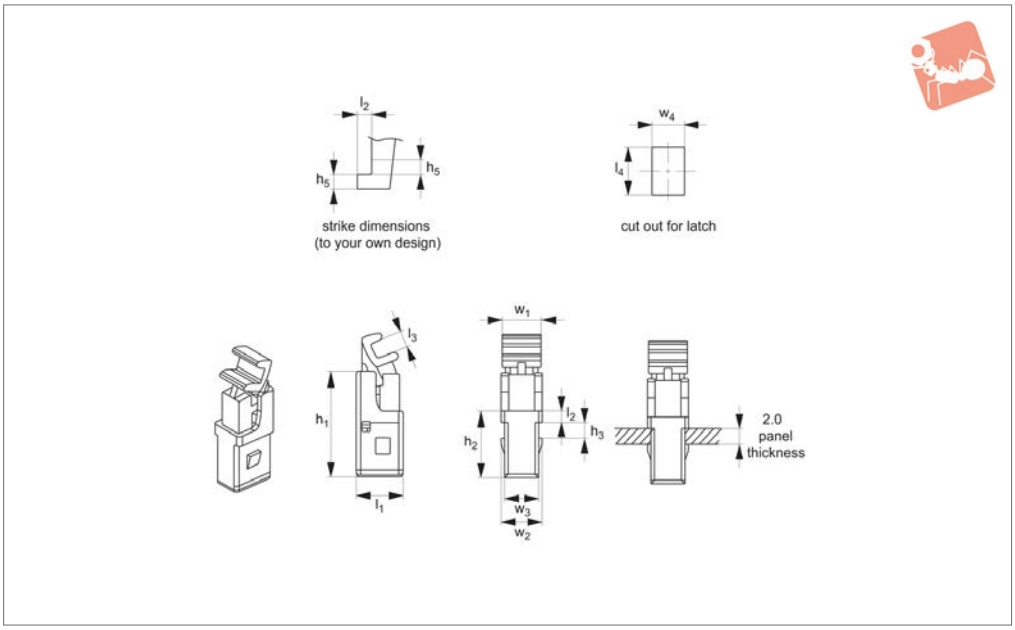
Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,2mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	l_5	h_2	h_3	w_1	w_2	w_3	w_4	w_5	w_6
E3050.AC0010	14.4	21.1	17.2	12.8	12.1	4	3.0	2.2	12	9	5.15	12.9	3	1.7

E3052

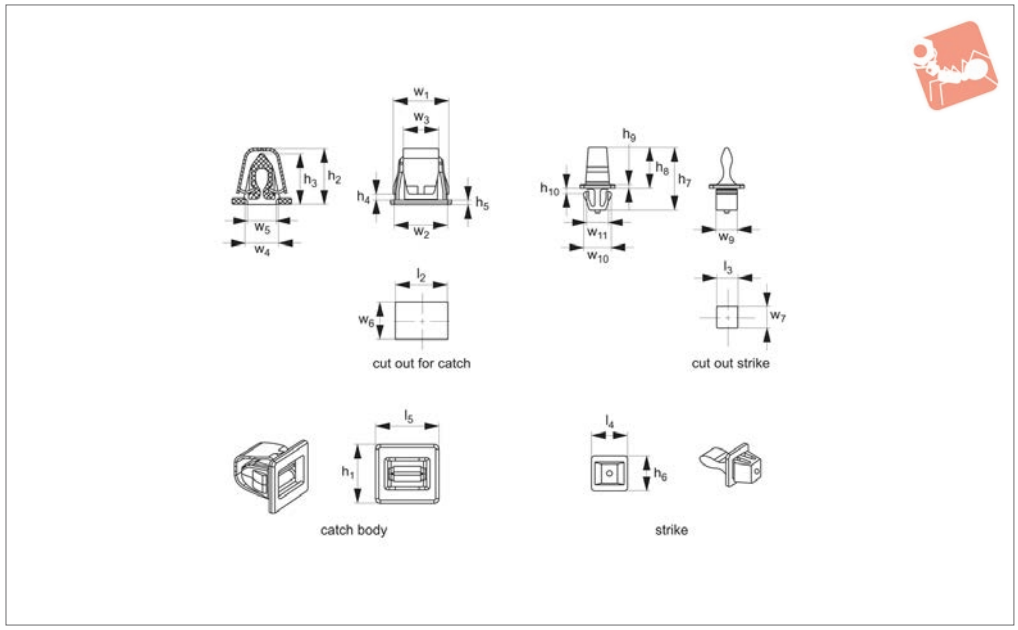


Material
Nylon and Polyacetal (POM)

Technical Notes
Strikes not supplied. Dimensions shown are for your own fabrication of strike to best sort your application.
Suitable for panel thickness 2,0mm

Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	h_5	w_1	w_2	w_3	w_4
E3052.AC0010	6.5	14.2	2.0	2.10	6.60	9.0	2.0	1.5	1.8	5.2	5.3	4.3	4.4



E3070

Material
Catch and strike body: Polyacetal (POM)
Strike outer spring: Steel

Technical Notes
Catch body and strike supplied as pair.

Suitable for panel thickness 0,8-1,6mm

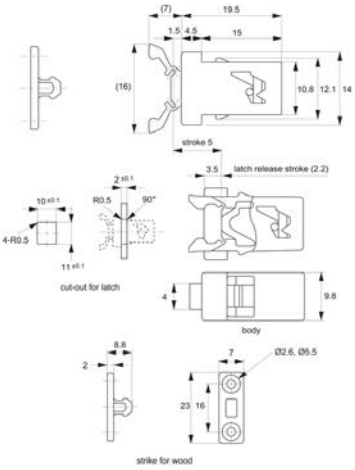
Tips
Subject to minimum order quantity.

Order No.	l_1	h_1	l_2	l_3	l_4	h_2	h_3	h_4	h_5	h_6	h_7
E3070.AC0010	19.7	18.0	16.7	7.2	11.0	17.2	16.2	1.8	1.5	11.3	20.0

Order No.	h_8	h_9	h_{10}	w_1	w_2	w_3	w_5	w_6	w_7	w_9	w_{10}	w_{11}
E3070.AC0010	13.0	1.4	1.6	18.0	16.7	11.3	10.0	13.0	7.2	7	9.1	7.0

Mini Touch Latches
non-magnetic

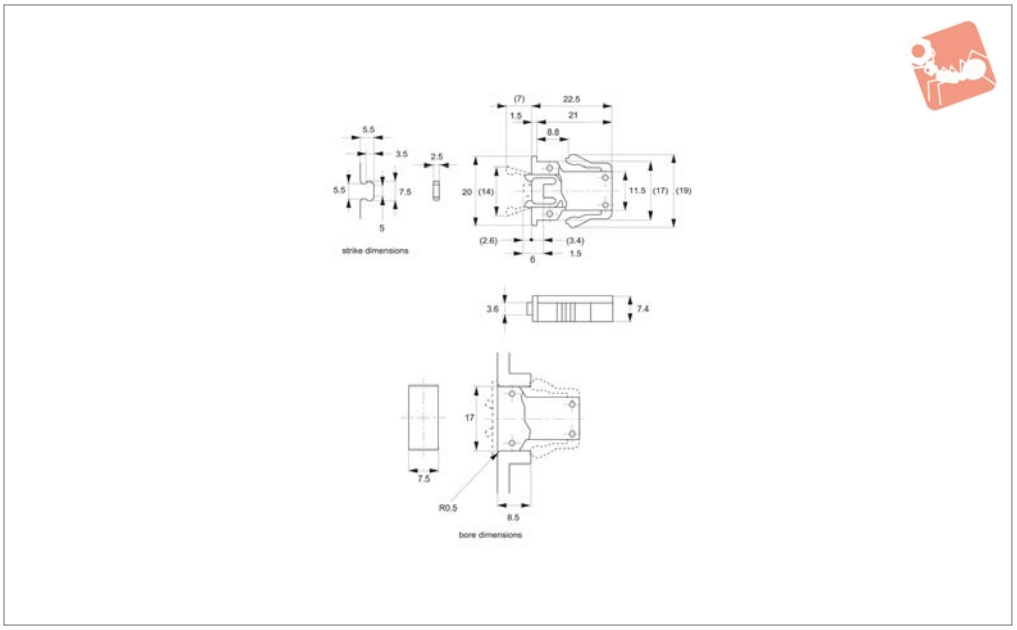
E3200



Material
Body: polycarbonate.
Spring: stainless steel, AISI 304.
Strike: nylon.

Technical Notes
Strikes ordered separately. Screws not included.

Order No.	Type	Retaining force kg	Weight g
E3200.AC0020	Latch	3.5	2.3
E3200.AC0022	Strike for Wood	3.5	0.2



E3400

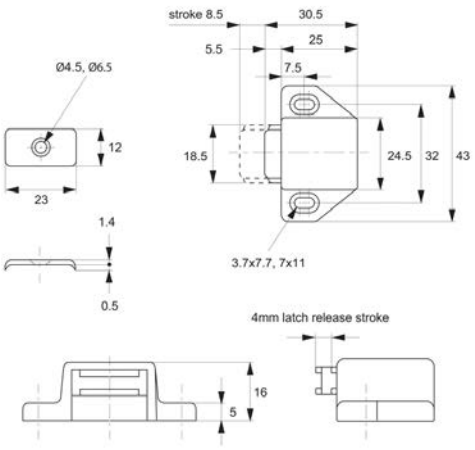
Material
Body: ABS plastic.
Strike: polyamide.

Technical Notes
Strike not supplied. Dimensions shown are for your own fabrication of strike to best suit your application.

Order No.	Finish	Weight g
E3400.AC0020	Black	2.5

Magnetic Touch Latches
for overlay doors

E5000

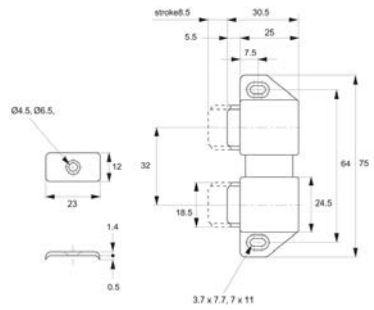


Material
Body: ABS plastic.
Latch and counter plate: steel, nickel plated.

Technical Notes
For overlay doors a 4mm gap between the door and cabinet frame is required for the latch release stroke.

Supplied with screws (3.1x13).

Order No.	Finish	Magnetic force kgf	Weight g
E5000.AC0010	White	1.2	22.5
E5000.AC0030	Brown	1.2	22.5



E5100

Material
Body: ABS plastic.
Latch and counter plate: steel, nickel plated.

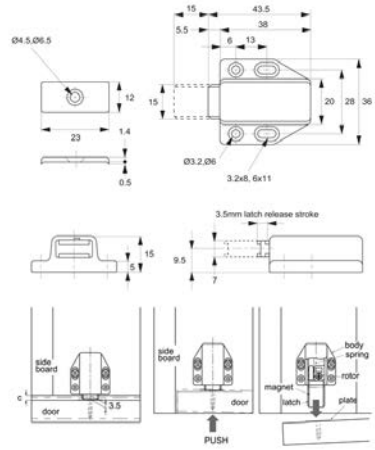
Technical Notes
For overlay doors a 4mm gap between the door and cabinet frame is required for the latch release stroke.

Supplied with screws (3.1x13).

Order No.	Finish	Magnetic force kgf	Weight g
E5100.AC0010	White	1.2	42
E5100.AC0030	Brown	1.2	42

Magnetic Touch Latches
for overlay doors

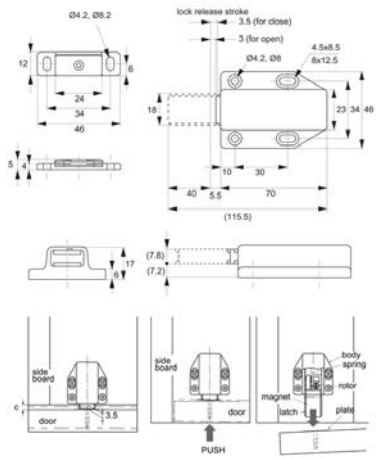
E5200

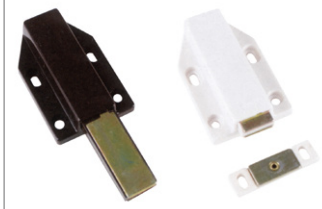


Material
Body: ABS plastic.
Latch and catch plate: steel, yellow zinc chromate.

Technical Notes
Push to open/close.
For overlay doors, a 3,5mm gap between door and cabinet frame is required for the latch release stroke.
Supplied with screws (2.7x13)

Order No.	Finish	Magnetic force kgf	Weight g
E5200.AC0010	White	1.6	22
E5200.AC0030	Brown	1.6	22
E5200.AC0020	Black	1.6	22





E5250

Material
Body: ABS plastic.
Latch and catch plate: steel, yellow zinc chromate.

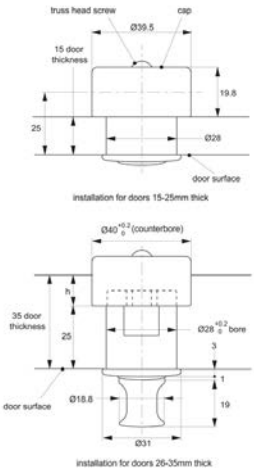
Technical Notes
Push to open/close. For overlay push to open/close doors, a 3,5mm gap between door and cabinet frame is required for push space.

Tips
E5250 has an extended/long stroke of 40mm to ensure full and positive movement of door upon actuation.

Order No.	Finish	Magnetic force kgf	Weight g
E5250.AC0010	White	2.4	53
E5250.AC0030	Brown	2.4	53

Push Knobs
no latch

E0300

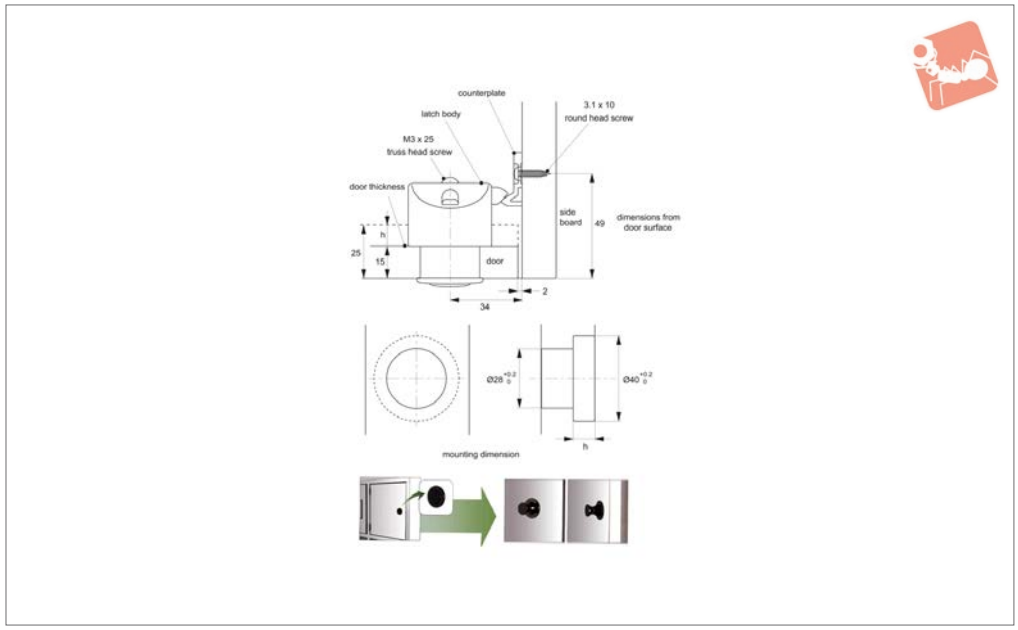


Material
Push knob: zinc alloy, plated gold or chrome.
Body: ABS plastic, black.

Technical Notes
Suitable for door/wall thicknesses 15 to 35mm.
When installed push knob is near flush with surface, raised only 4mm.
Supplied with screws (M 3x20).

Tips
For surfaces 15 to 25mm thick no counter bore is required.
For surfaces 26 to 35mm thick, 40mm dia. counter bore of depth „h“ is required.
h = door thickness - 25mm.

Order No.	Finish	Weight g
E0300.AC0030	Gold	67
E0300.AC0040	Chrome	67



E0800

Material
Push knob: zinc alloy.
Body and catch plate: ABS plastic, black.

Technical Notes
Suitable for door/wall thicknesses 15 to 30mm. For 13mm door use a 2mm plastic spacer (order separately).
When installed the push knob is near flush, raised only 4mm from surface.
Supplied with screws (M 3.1x10 and M 3.1x28), and catch plate.

Tips
To operate the push knob:
Step 1: door closed, latch is engaged.
Step 2: depress knob to flush position to lock.
Step 3: depress knob to the out position to unlock latch.

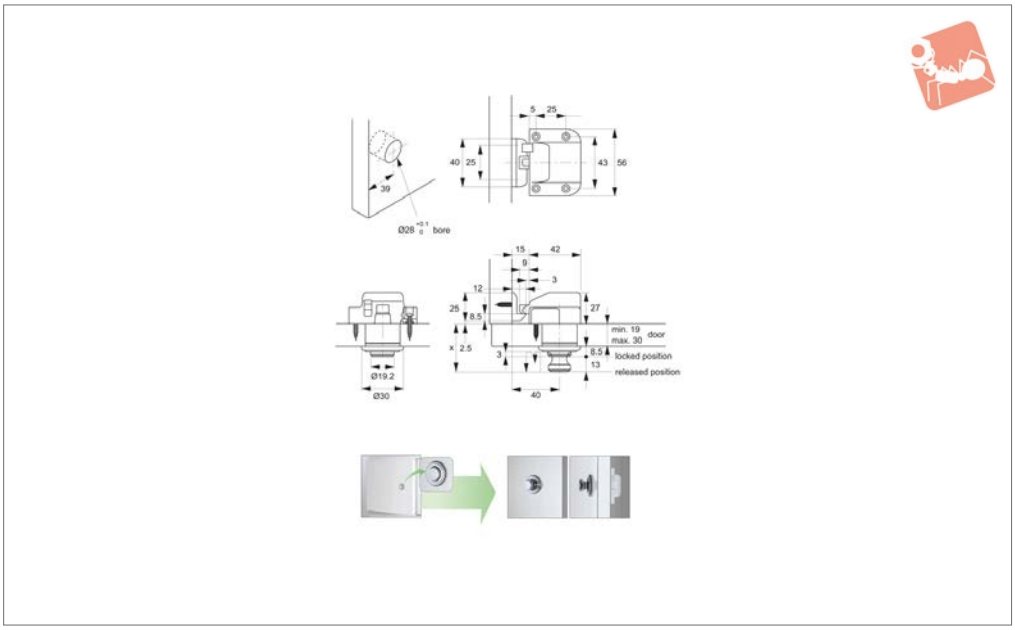
For surfaces between 15 to 25mm thick no counter bore is required.
For surfaces from 26 to 35mm thick, 40mm dia. counter bore of depth „h“ is required.
h = door thickness - 25mm.

Important Notes
Do not activate the latch before closing the door, it may damage the unit.
Other dimensions as per E0300 <X\ E0300#24>. See diagram for mounting dimensions.

Order No.	Finish	Description	Holding force kg	Weight g
E0800.AC0030	Gold	Push Knob	10	93
E0800.AC0040	Chrome	Push Knob	10	93
E0800.AC0050	Black Nickel	Push Knob	10	93
E0800.AC0720	Black	Spacer 2mm	-	2

Push Knobs
with latch - for overlay doors

E1400



Material
Push button: brass, finished in chrome, satin nickel, satin or polished brass plating.
Push button base: zinc alloy.
Latch body and catch: polyamide.

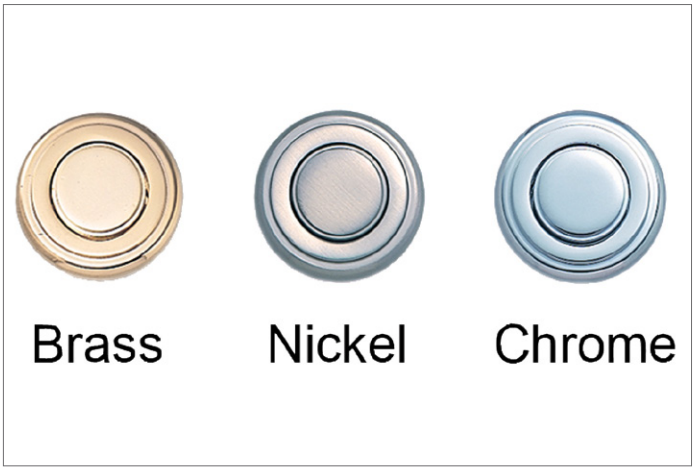
Technical Notes
Suitable for door thicknesses 19 to 30mm.

Supplied with stainless steel screw (3x16, 3x20).

Important Notes
For correct positioning of push knob from the door surface refer to dimension „x“ on installation diagram.
„x“ is calculated as:
x = door thickness + 21,5mm

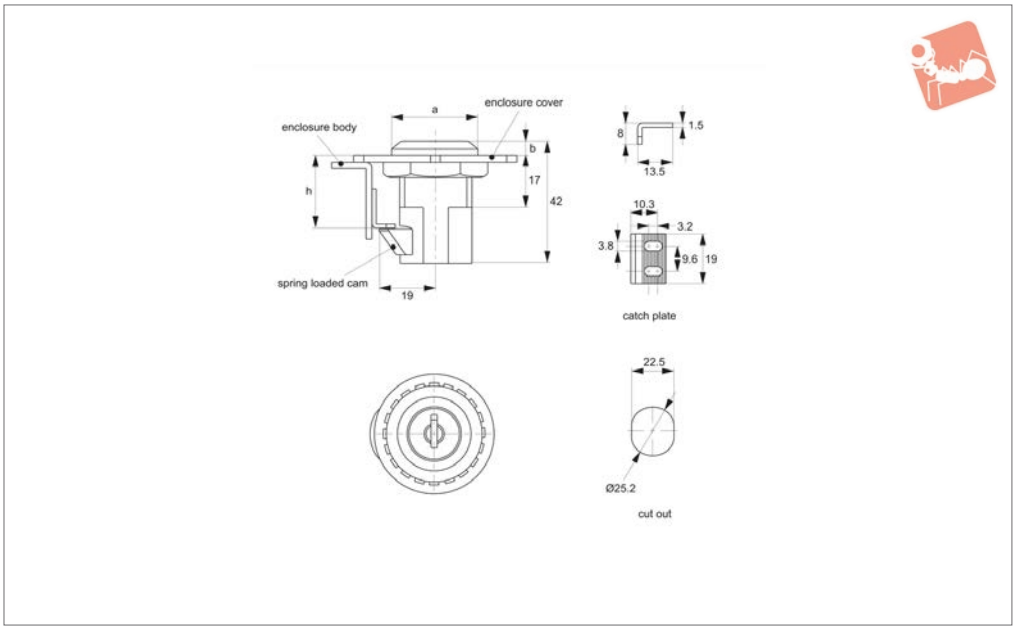
Push knob supplied with two threaded studs of 24mm and 30mm, interchange of stud enables correct positioning of knob to door surface, i.e. dimension „x“.

Order No.	Finish	Holding force kg	Weight g
E1400.AC0040	Chrome	20	103
E1400.AC0060	Satin Nickel	20	103
E1400.AC0070	Satin Brass	20	103
E1400.AC0080	Polished Brass	20	103



Push Lock - Spring Loaded Cam

standard cylinder lock - fixed grip - zinc



E1600

Material
Body: die cast zinc, chrome plated.
Cylinder lock: die cast zinc, chrome plated.
Lock bolt: die cast zinc.
Supplied with: Keys: two per lock.
Not Supplied: Catch Plate: order separately.

Technical Notes
Suitable for panel thickness 1-15mm.
When installed lock is, 5mm above surface.

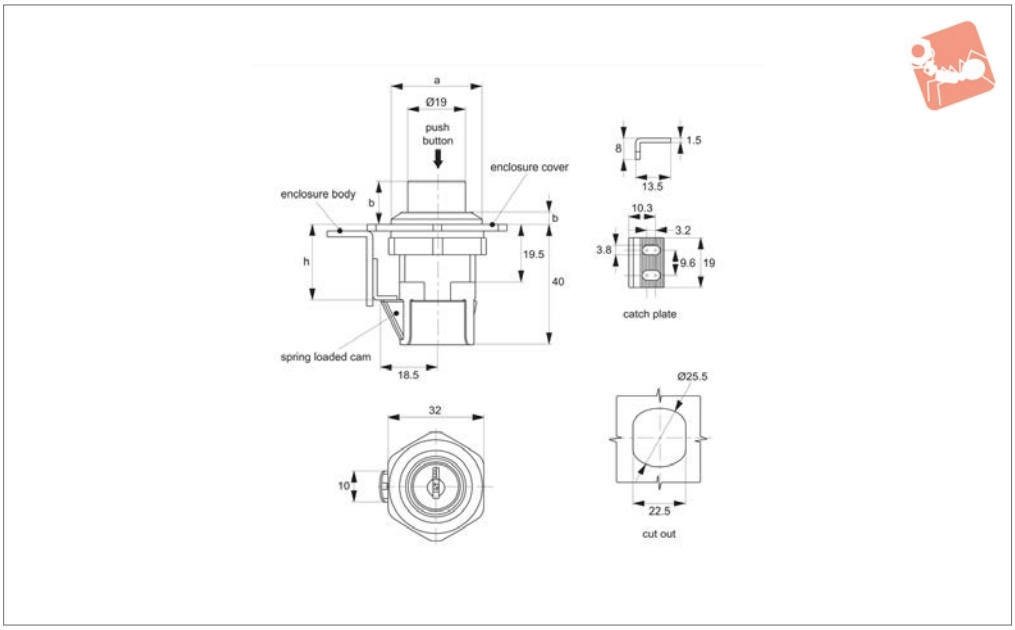
On closing of panel, special contour of the spring loaded cam allows it to be guided over the catch plate, then springs back to lock in place. To open panel, actuate key to release cam, and pull. Cam has stroke of approx, 8mm. Order catch plate separately.

Order No.	Type	Lock type	Key type	a	b	h grip length
E1600.AW0010	Push Lock	Std. Cylinder	Keyed Alike	29	5	25

Push Lock - Spring Loaded Cam - Push

standard cylinder lock - fixed grip - polycarbonate

E1602



Material
Body: polycarbonate, black.
Cylinder Lock: polycarbonate, black.
Supplied With: Keys: two per lock.
Not supplied: Catch plate: order separately.

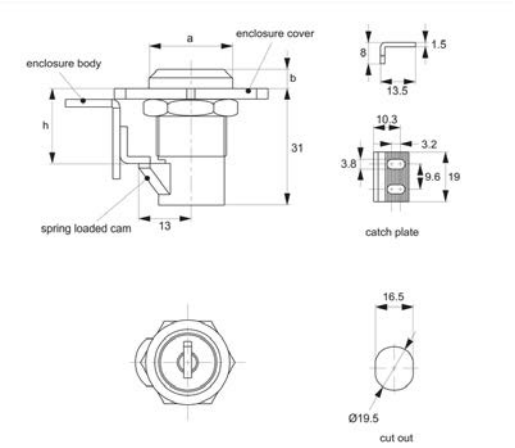
Technical Notes
Suitable for door thickness 1-16mm.

Tips
On closing of panel, special contour of the spring loaded cam allows it to be guided over the catch plate, then springs back to lock in place. To open panel, actuate key and depress push button to release cam then pull to open. Optional finger pull can assist in opening (please order separately). Cam has stroke of approx. 8mm.

Order No.	Type	Lock type	Key type	a	b	h grip length
E1602.AW0010	Push Lock	Std. Cylinder	Keyed Alike	30	4	25

Push Lock - Spring Loaded Cam

standard cylinder lock - fixed grip - zinc



E1604

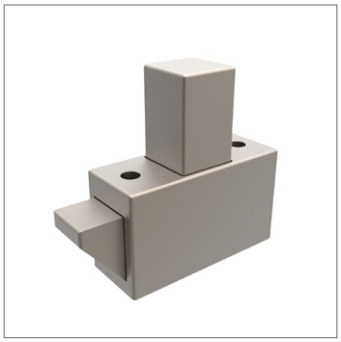
Material
Body & insert: die cast zinc, chrome plated. Cylinder lock: die cast zinc, chrome plated with dust cap.
Supplied With: Keys: two per lock.
Not supplied: Catch plated: order separately.

Technical Notes
On closing of panel, special contour of the spring loaded cam allows it to be guided over the catch plate, then springs back to lock in place. To open panel, actuate key to release cam and pull. Cam has stroke of approx. 8 mm. Order catch plate separately.

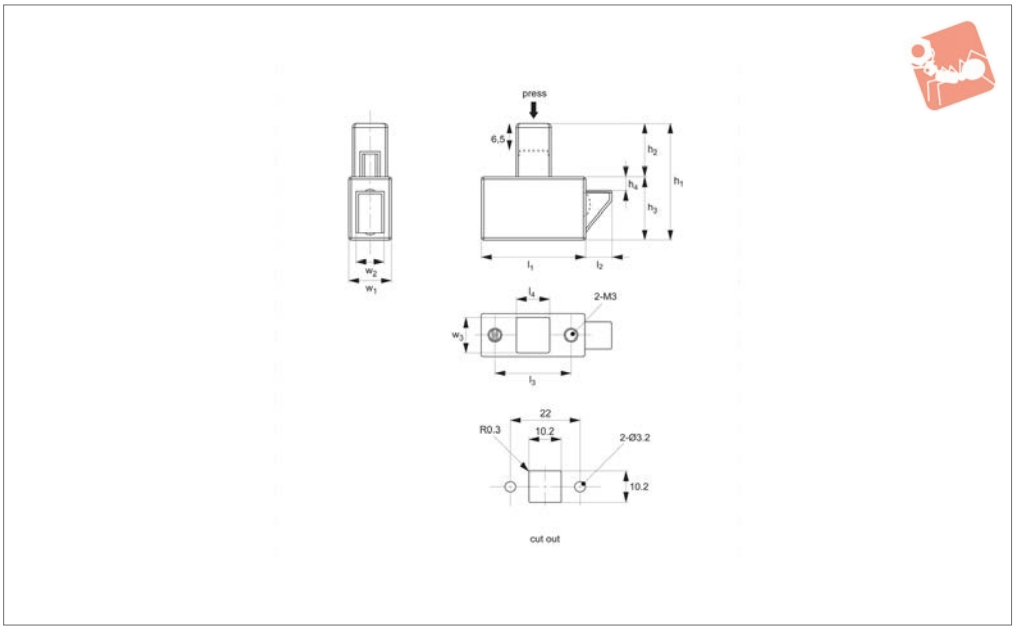
Order No.	Actuation	Lock type	Key type	a	b	h grip length
E1604.AW0010	Push Lock	Std. Cylinder	Keyed Alike	22.5	5	20

Push Latch - Spring Loaded Cam

zinc



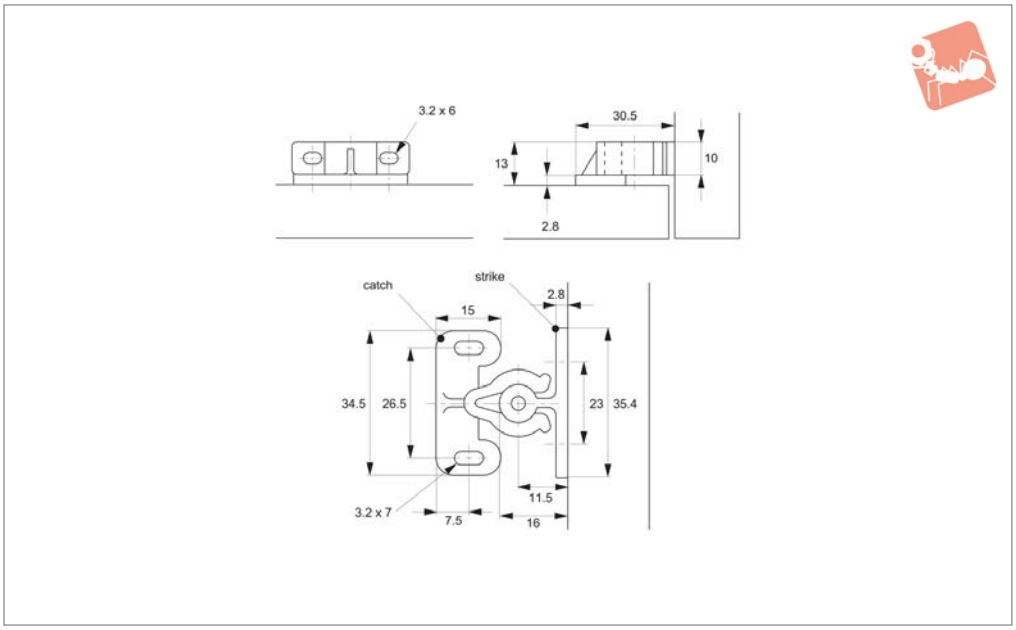
E1670



Material
Housing & Button: die cast zinc, nickel plated. IP54 rated.

Technical Notes
Mounted under panel surface so only button exposed. Mount with 2 x M 3 screws.
Depress button to retract catch and open panel. Catch has stroke of approx. 7mm.

Order No.	l_1	l_2	l_3	l_4	h_1	h_2	h_3	h_4	w_1	w_2	w_3
E1670.AW0010	30	7	22	10	32.6	15	17.6	4	12	8	10

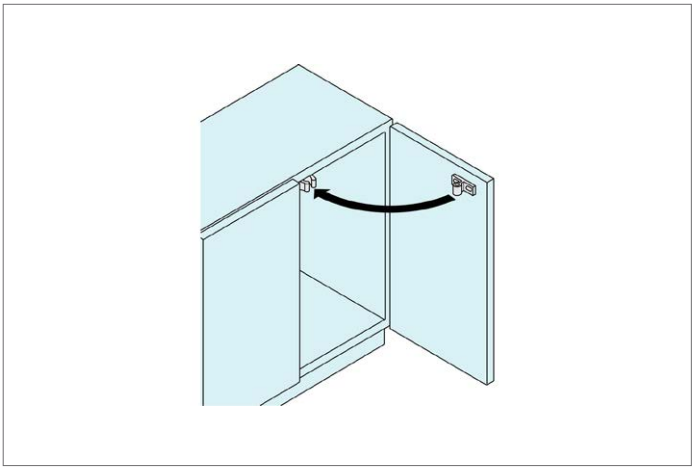


E2050

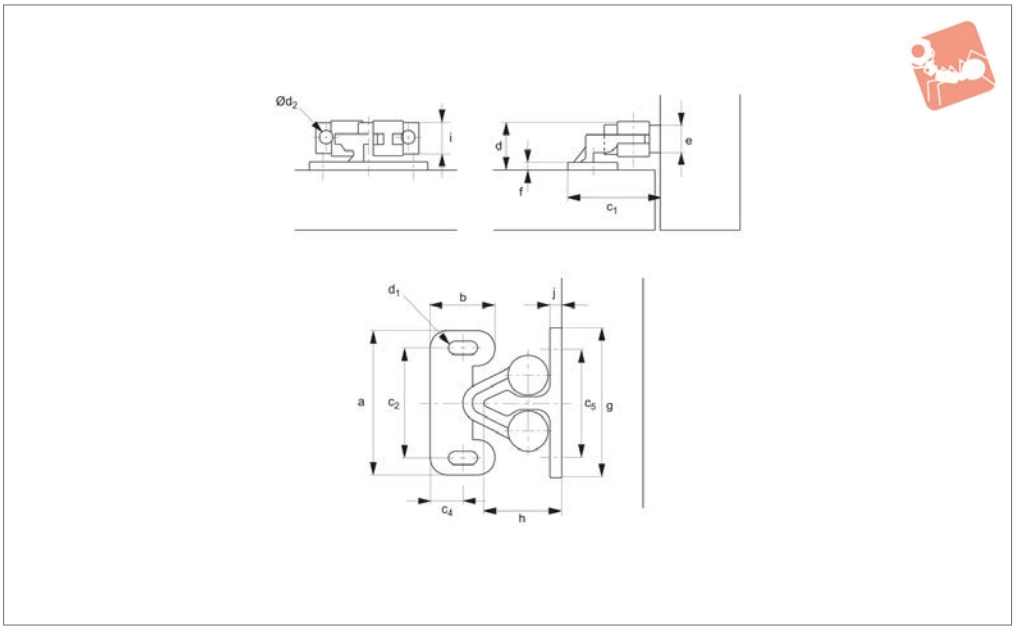
Material
Catch: polyacetal, white.
Strike: polyamide, white.

Technical Notes
Screws not supplied.

Order No.	Push in force kg	Pull out force kg	Weight g
E2050.AC0010	5.7	7.1	4.5



E2070



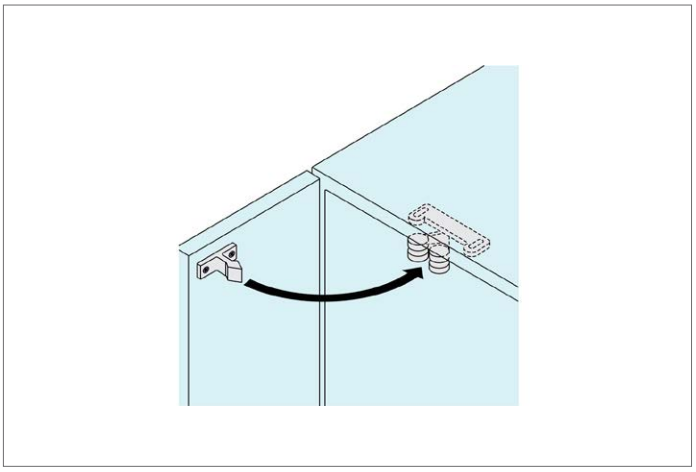
Material
Strike and catch: polyacetal.
Roller: polyethylene.

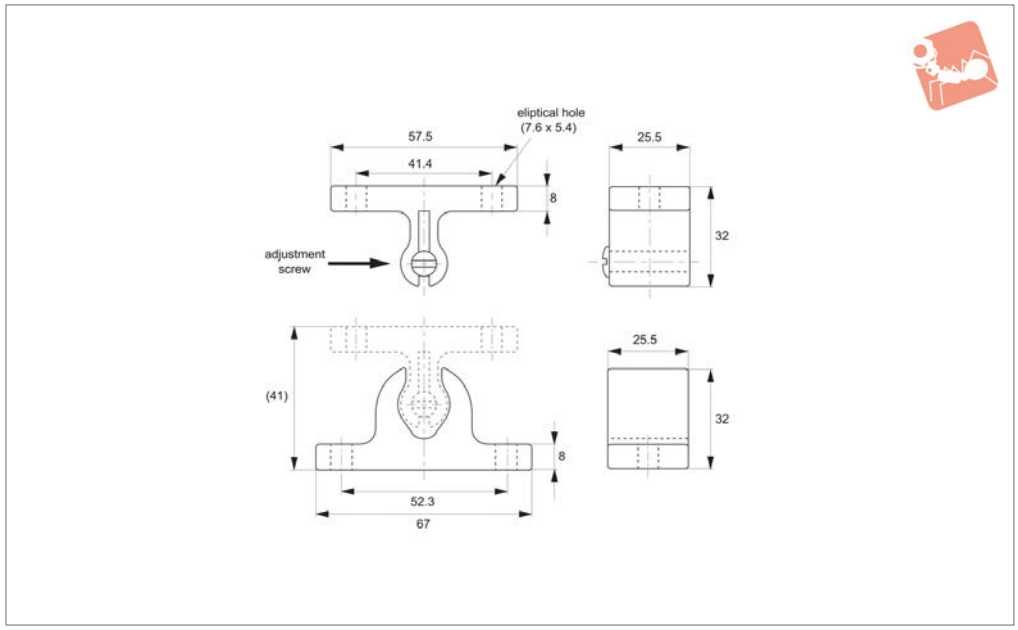
Technical Notes
This catch has been tested to 300,000 cycles.

Screws not supplied.

Order No.	Finish	a	Push in force kg	Pull out force kg	b	c_1	c_2	c_3	c_4	Weight g
E2070.AC0010	White	29.0	1.1	1.6	12	21.2	21.5	6.0	20.0	3
E2070.AC0015	Brown	31.3	2.2	3.2	14	27.2	24.4	7.5	23.6	4

Order No.	d	d_1	d_2	e	f	g	h	i	j
E2070.AC0010	11.3	3,1x7	3.0	8	2.0	26	13.5	7.5	1.7
E2070.AC0015	12.6	3,1x7	3.1	9	2.3	32	16.5	9.0	2.0





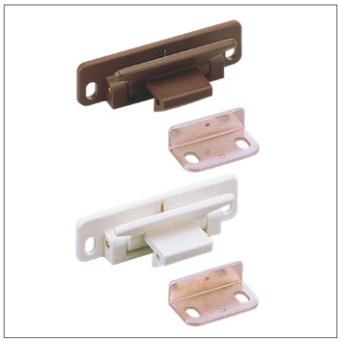
E2100

Material
Nylon.

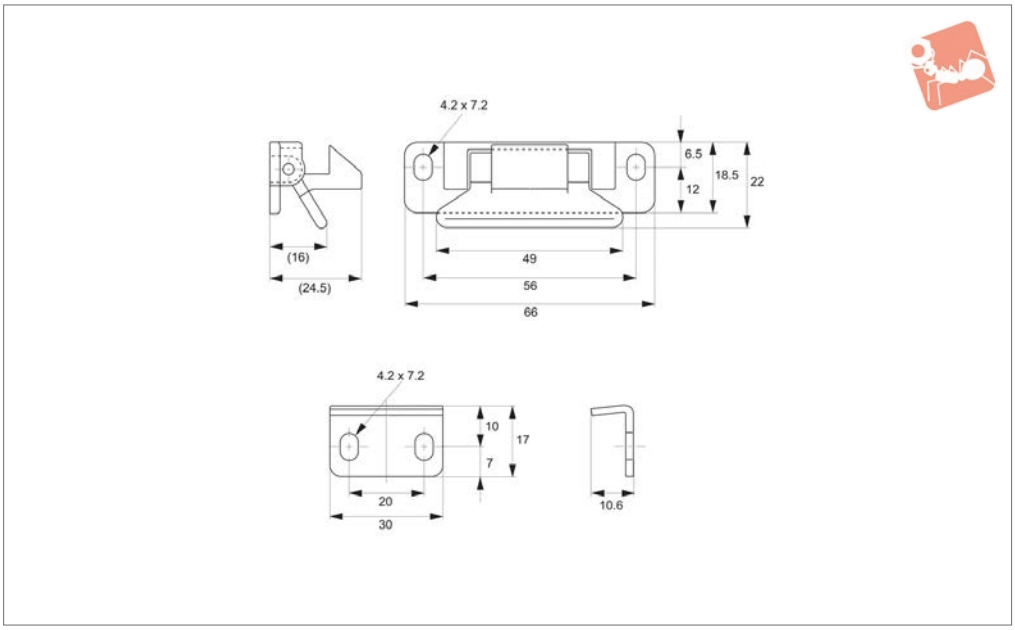
Technical Notes
By adjusting the screw the force required to hold the catch can be varied. Holding force of up to 20Kg.

Order No.	Finish	Push in force kg min.	Push in force kg max.	Pull out force kg min.	Pull out force kg max.	Weight g
E2100.AC0010	White	13	27	8	20	42
E2100.AC0020	Black	13	27	8	20	42

Lever Catches
finger tip control



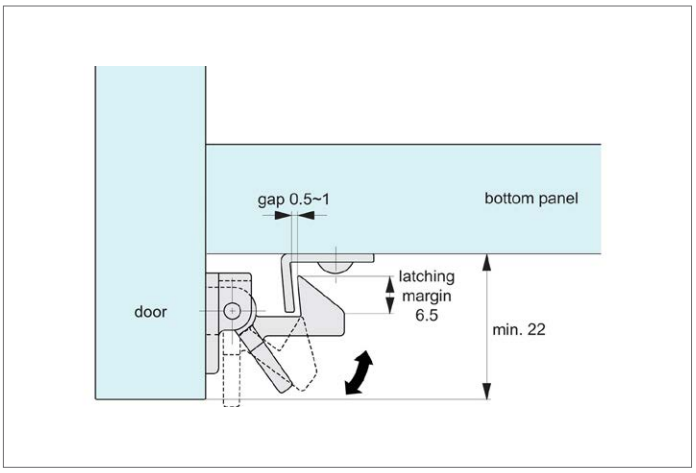
E2001

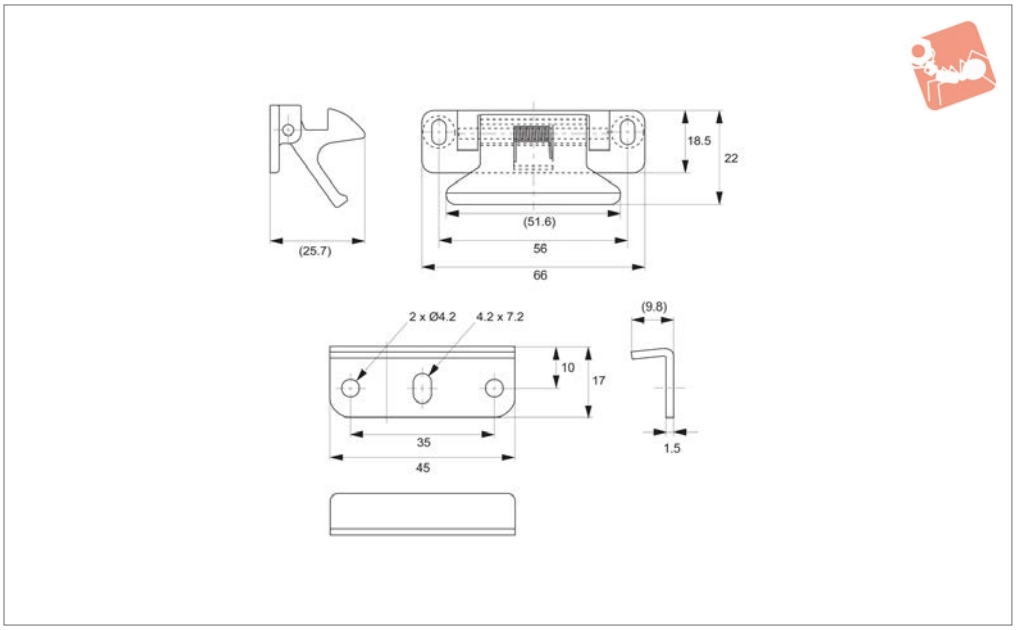


Material
Body: polyamide.
Counterplate: steel.

Technical Notes
Designed for use on door/ panel without handle or knob, to provide concealed locking of panel.
Screws not supplied.

Order No.	Finish	Holding force kg	Weight g
E2001.AC0010	White	20	25
E2001.AC0020	Brown	20	25





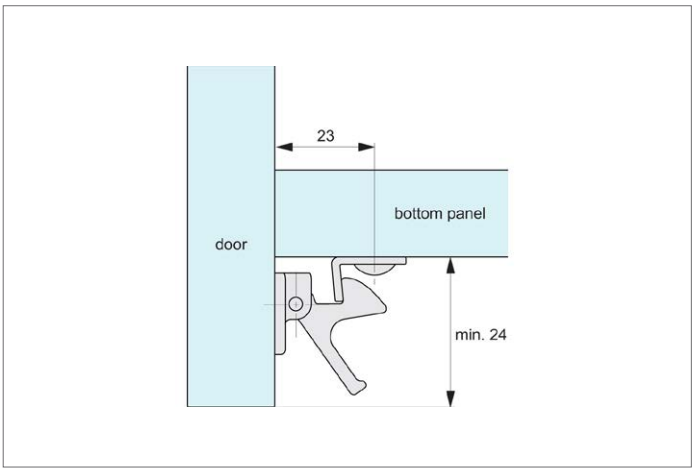
E2002

Material
Stainless steel, AISI 316.

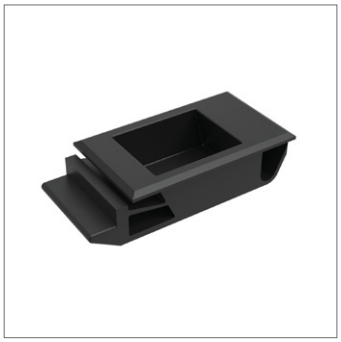
Technical Notes
Screws not supplied.

This lever catch is designed for use on door without knob or handle, to provide concealed latching and securing of panel.

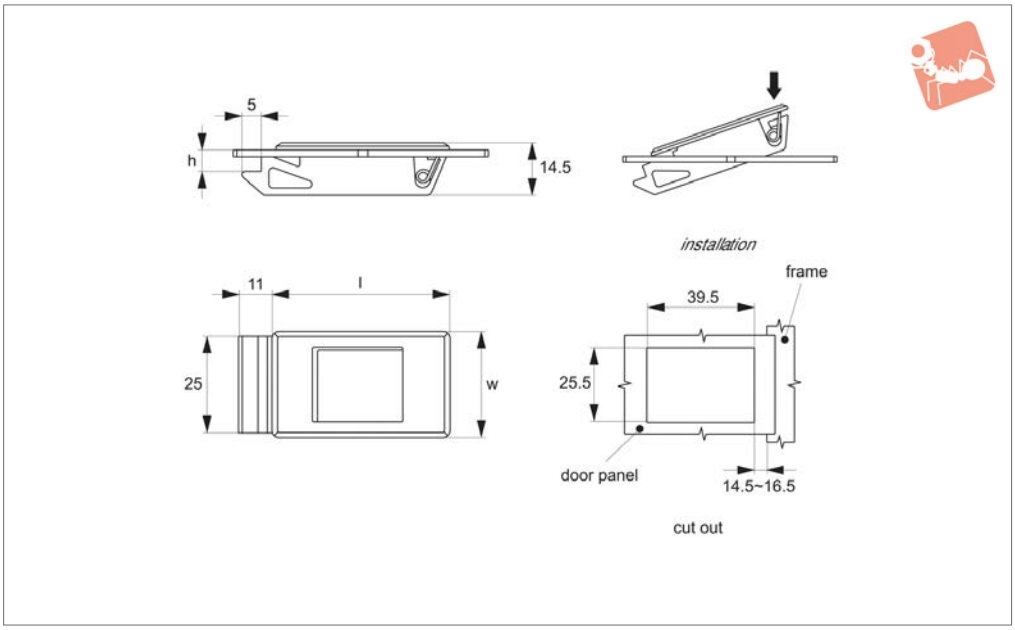
Order No.	Finish	Holding force kg	Weight g
E2002.AC0530	Stainless Steel	20	85



Slide Latches - Flush
snap-in installation



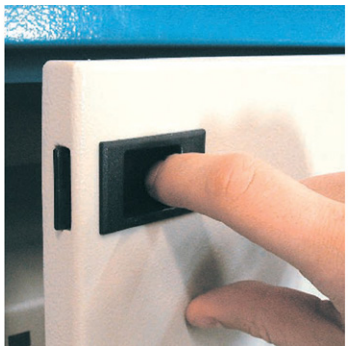
E2021

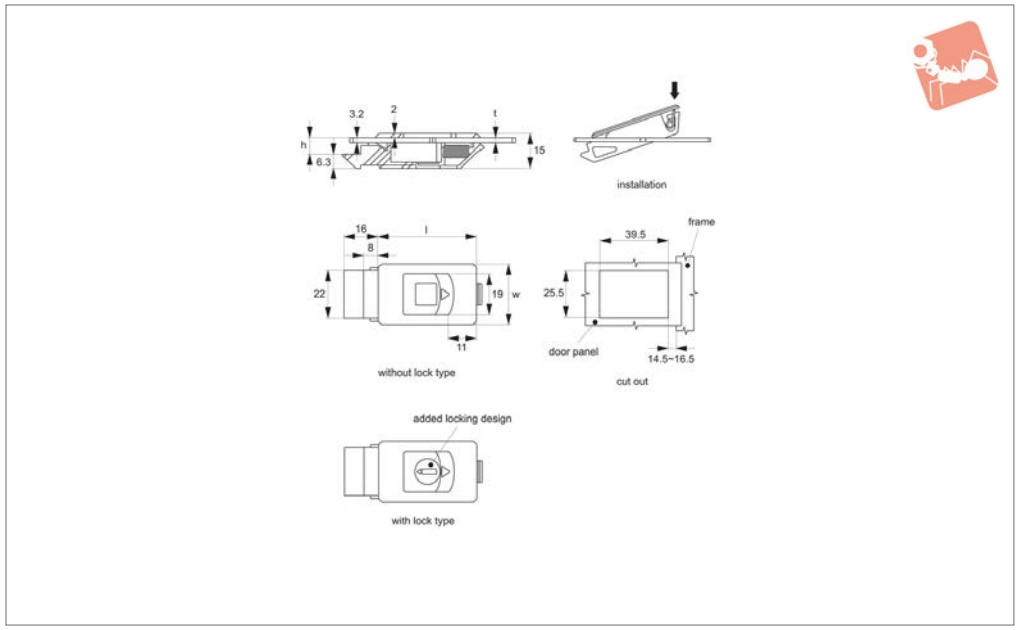


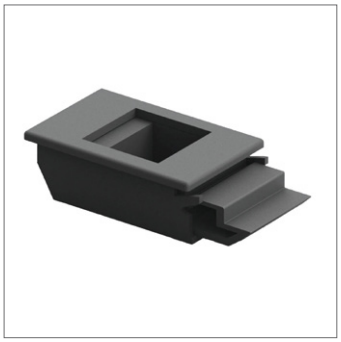
Material
ABS plastic resin, stainless steel spring.

Technical Notes
Suitable for panel thickness 1.5mm or 2mm. Ideal for small metal machinery covers.
Pull back latch to open panel, release and latch is returned due to internal spring.

Order No.	Colour	For panel thickness	h grip length	l	w
E2021.AW0010	Grey	1.5	6	47	28
E2021.AW0020	Black	1.5	6	47	28
E2021.AW0310	Grey	2.0	6	47	28
E2021.AW0320	Black	2.0	6	47	28







E2031

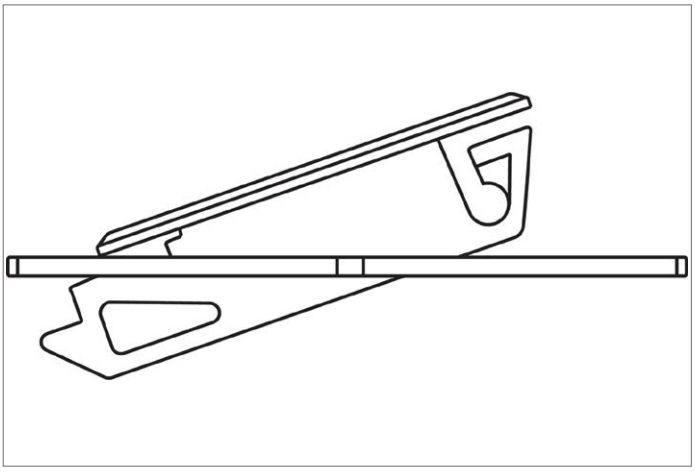
Material
ABS plastic and stainless steel spring.

Technical Notes
Ideal for small metal machinery covers.

Uniquely different from our standard slide latch E2021 in the addition of an internal release catch - hence this latch does not slide over surface in order to actuate.

Suitable for panel thickness 1 - 2 mm.

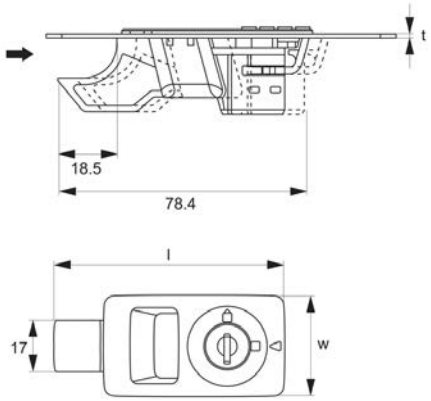
Order No.	Colour	Type	Panel thickness min.|max.	h grip length	l	w
E2031.AW0010	Grey	W/o Lock	1-2	6.7	45	28
E2031.AW0020	Black	W/o Lock	1-2	6.7	45	28
E2031.AW0310	Grey	With Lock	1-2	6.7	45	28
E2031.AW0320	Black	With Lock	1-2	6.7	45	28



Touch Latches - Flush

snap-in installation - with secondary lock

E2034



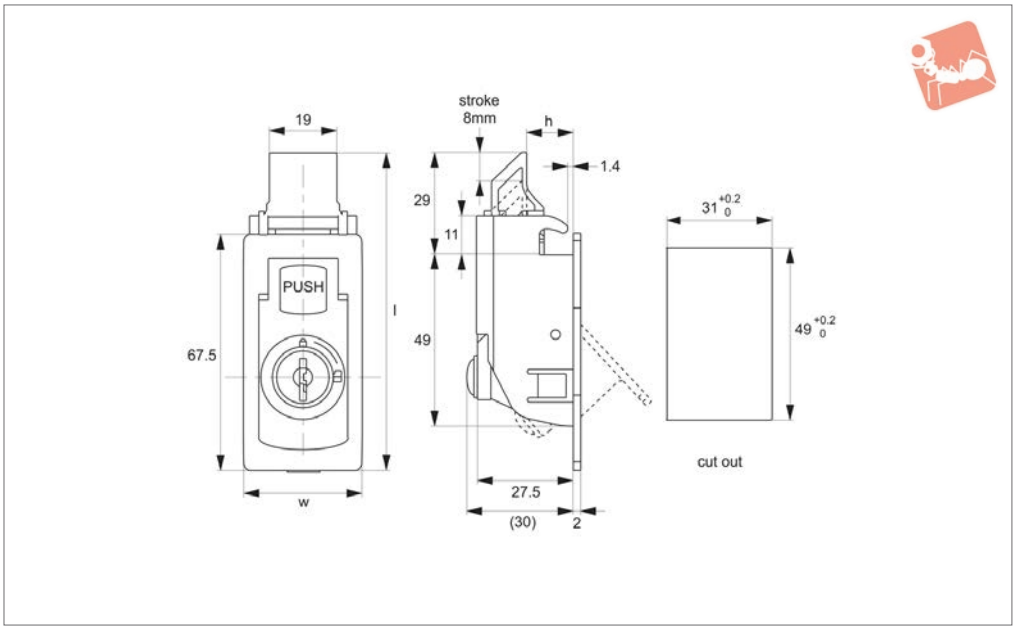
Material
ABS material, black.
Supplied with: Key.

Technical Notes
Suitable for panel thickness 1.8 - 2.1mm.

Insert and turn key 90° to retract cam and release. Cam stroke of 6,5mm.

Tips
Ideal for small metal machinery covers.
Not included: Catch plate - designed by user.

Order No.	Type	t panel thickness min.|max.	l	w	Catch stroke
E2034.AW0010	With Lock	1,8 - 2,1	75.8	34	6.5

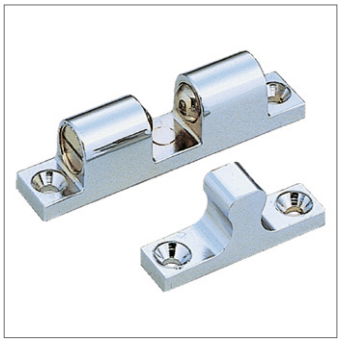


E2036

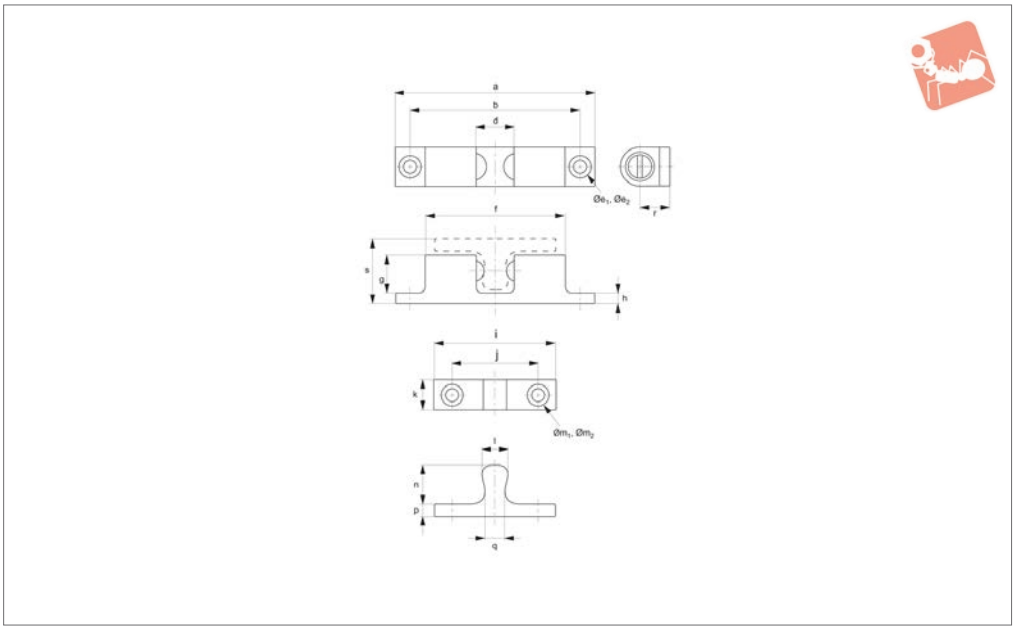
Material
Polyamide, plastic (PA), black
Supplied with: Keys: two per lock.

Tips
Insert key, turn 90° to release handle, depress handle as indicated to lift handle and release cam. Ideal for small metal machinery covers. Cam has stroke of 8mm.

Order No.	Type	Panel thickness	h grip length	l	w	Catch stroke
E2036.AW0010	With Lock	1.4	13.3	90.55	34	8



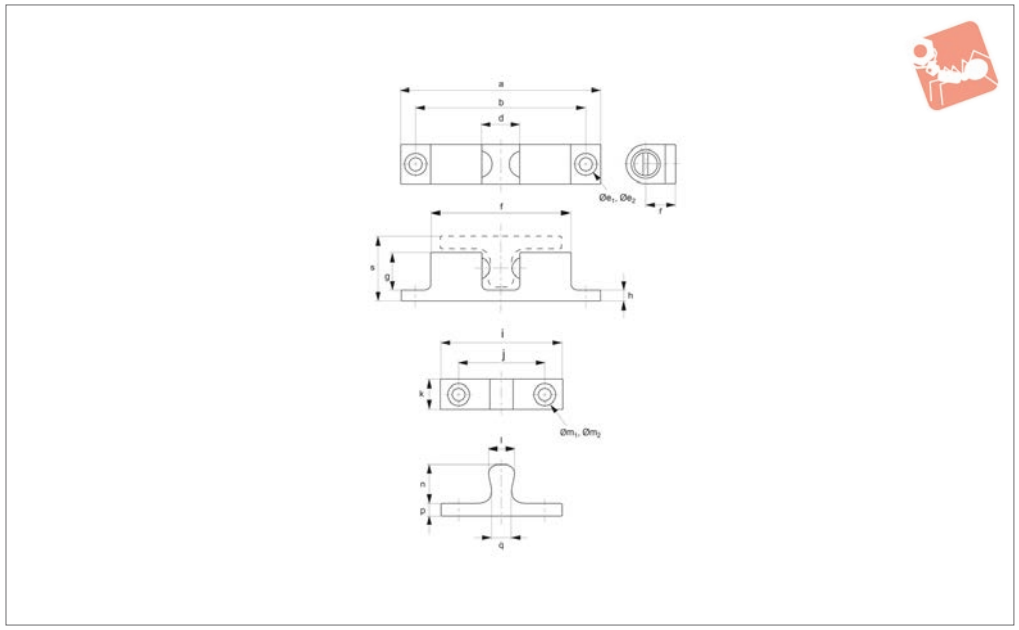
E4000

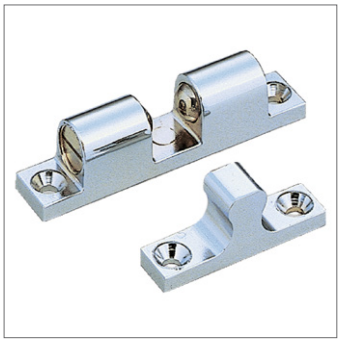


Material
Body: zinc alloy, chrome finish.
Ball: ball bearing stainless steel.

Order No.	Push in force kgf	Pulling force kgf	a	b	c	d	Ø e_1	Ø e_2	Weight g
E4000.AC0040	4.4	3.0	42.5	35	8.0	6.3	3.2	6.2	16
E4000.AC0050	4.1	3.3	50.0	40	10.0	8.4	4.2	8.2	26
E4000.AC0070	4.6	3.5	70.0	60	13.5	13.0	4.2	8.2	70

Order No.	f	g	h	i	j	k	l	Ø m_1	Ø m_2	n	p	q	r	s
E4000.AC0040	26.7	7.5	2.5	25	16	7.5	5.5	3.2	6.2	8.8	2.5	3.7	6.5	14.0
E4000.AC0050	29.8	9.5	3.0	30	20	9.0	7.3	4.2	8.2	9.8	2.5	4.7	7.4	16.0
E4000.AC0070	49.0	13.0	4.0	42	30	10.5	11.0	4.2	8.2	14.2	3.0	8.2	11.0	21.2





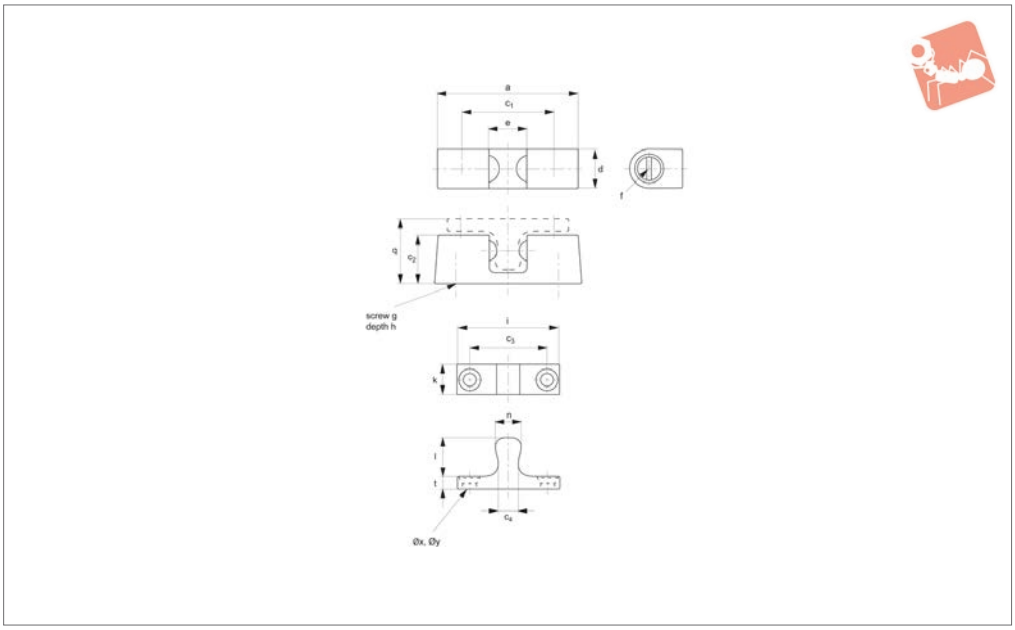
E4100

Material
Body: stainless steel, AISI 316, polished.
Ball: ball bearing stainless steel.

Order No.	Push in force kgf	Pulling force kgf	a	b	c	d	e_1	e_2	Weight g
E4100.AC0040	2.0	1.3	43	35	8	5.9	3.2	6.2	18
E4100.AC0050	2.3	1.8	50	40	10	7.5	4.2	8.2	30
E4100.AC0070	5.7	3.9	70	60	13	13.0	4.2	8.2	83

Order No.	f	g	h	i	j	k	l	m_1	m_2	n	p	q	r	s
E4100.AC0040	28.4	7.5	2.5	25	16	7.5	4.5	3.2	6.2	8.5	2.5	2.7	6.0	13.5
E4100.AC0050	31.5	9.3	2.9	30	20	9.0	6.0	4.2	8.2	10.3	2.9	3.8	7.7	15.9
E4100.AC0070	51.0	13.0	4.0	42	30	10.5	10.0	4.2	8.2	15.0	4.0	8.0	10.5	23.0

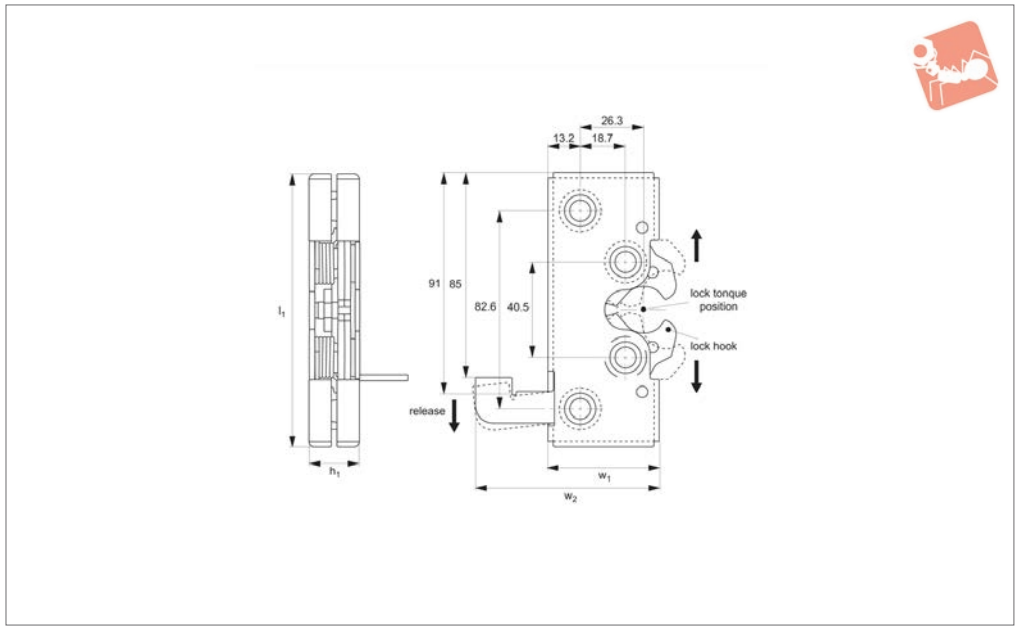
E4300



Material
Body: zinc alloy, chrome finish.
Ball: ball bearing stainless steel.

Order No.	Push in force kgf	Pulling force kgf	a	c_1	c_2	c_3	c_4	d	e	Weight g
E4300.AC0040	3.6	2.4	28.5	20	12.5	16	3.0	8.3	6.5	18
E4300.AC0070	4.1	3.9	48.0	34	20.5	32	7.3	13.5	12.7	75

Order No.	f	g	h	i	k	l	n	q	t	x	y
E4300.AC0040	R4,0	M 3	5	24	8	9	5	15.7	3	3.2	6.2
E4300.AC0070	R6,5	M 5	6	42	11	13	10	24.9	4	4.2	8.2



E4500

Material
steel, zinc plated

Technical Notes
Robust latch for doors and panels. The rotary action of the locking jaws provides secure fastening in a push-to-close action. Suitable for entry doors, engine covers, baggage doors and access panels.

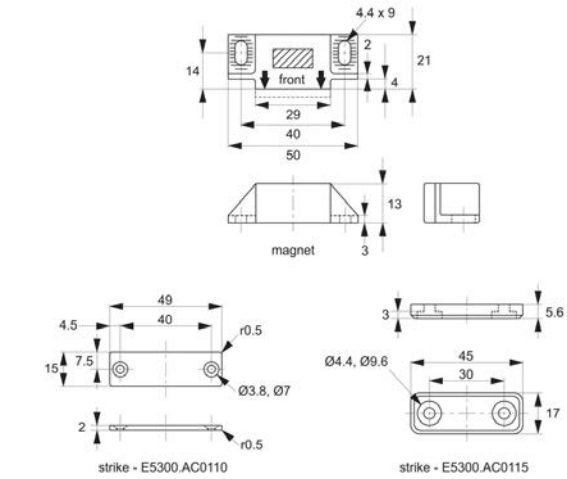
Tips
Push to close. Actuation of lever releases lock hook to allow opening.

Order No.	h_1	l_1	w_1	w_2	Load N max.
E4500.AW0010	21	114	46	75.7	10.000

Magnetic Catches - Hermetically

for clean room and medical environments

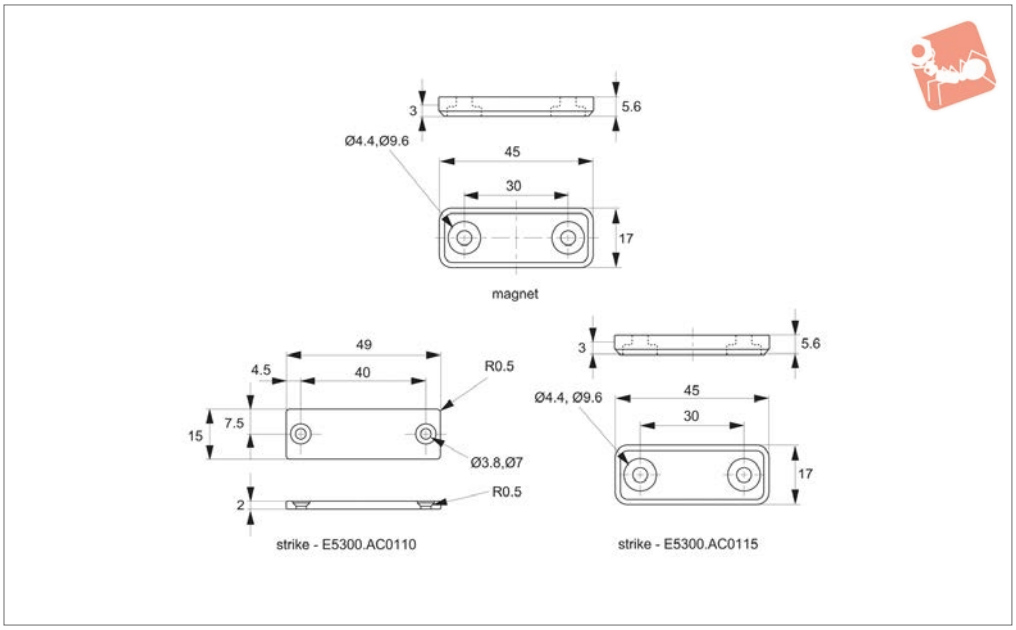
E5300



Material
Body: polyacetal.
Magnet: neodymium.
Strike plate: stainless steel, AISI 304, specially treated for magnetism; or sealed strike plate in polyacetal.

Technical Notes
For clean room and medical environment, hermetically sealed.

Order No.	Type	Magnetic force kgf	Finish	Weight g
E5300.AC0010	Magnet	3	White	21.0
E5300.AC0020	Magnet	3	Black	21.0



E5320

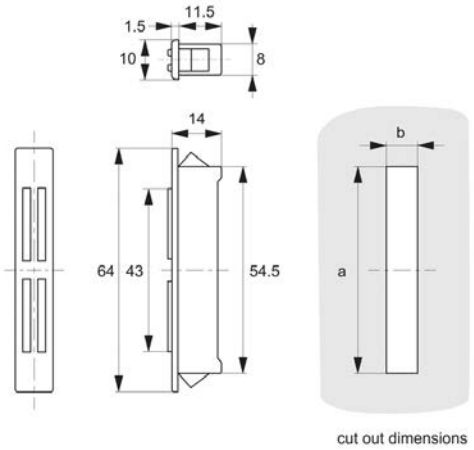
Material
Magnet body: polyacetal.
Magnet: neodymiun.
Strike plate: stainless steel, AISI 304, specially treated for magnetism; or sealed strike plate in polyacetal.

Technical Notes
Ideal for clean room and medical environments, hermetically sealed.

Order No.	Type	Magnetic force kgf	Finish	Weight g
E5320.AC0010	Magnet	3.0	White	9

Magnetic Catches
snap-in type

E5400

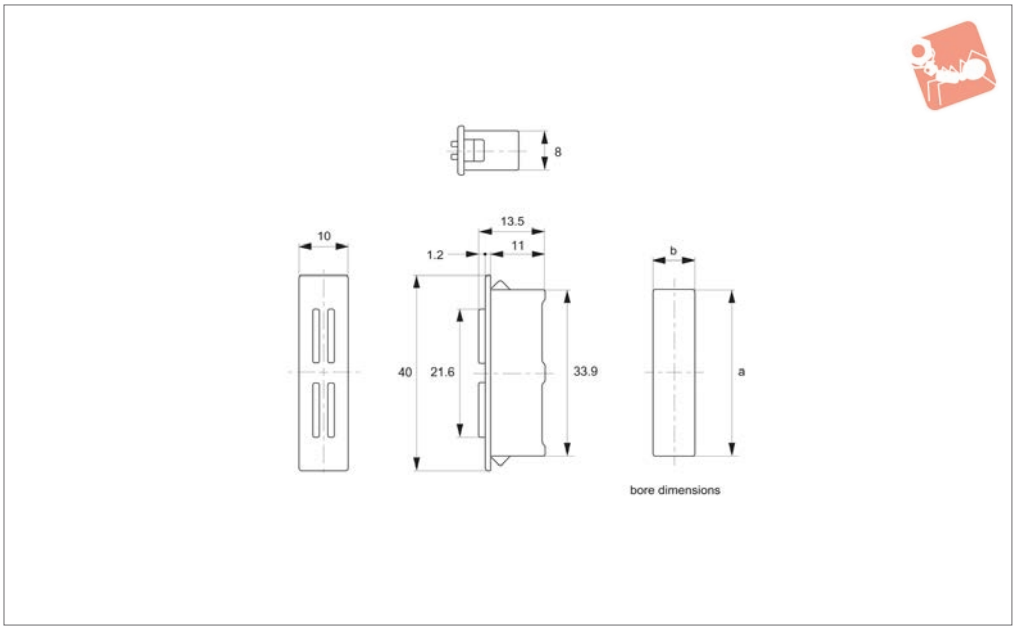


Material
Body: ABS plastic, white.
Yoke: steel.

Technical Notes
Dimensions a and b are dependant upon door thickness, see installation table below.

Tips
Snap-in type magnet for easy installation, especially for sheet metal application.

Order No.	Magnetic force kgf	Weight g
E5400.AC0010	6	18



E5450

Material
Body: ABS plastic.
Yoke: steel.

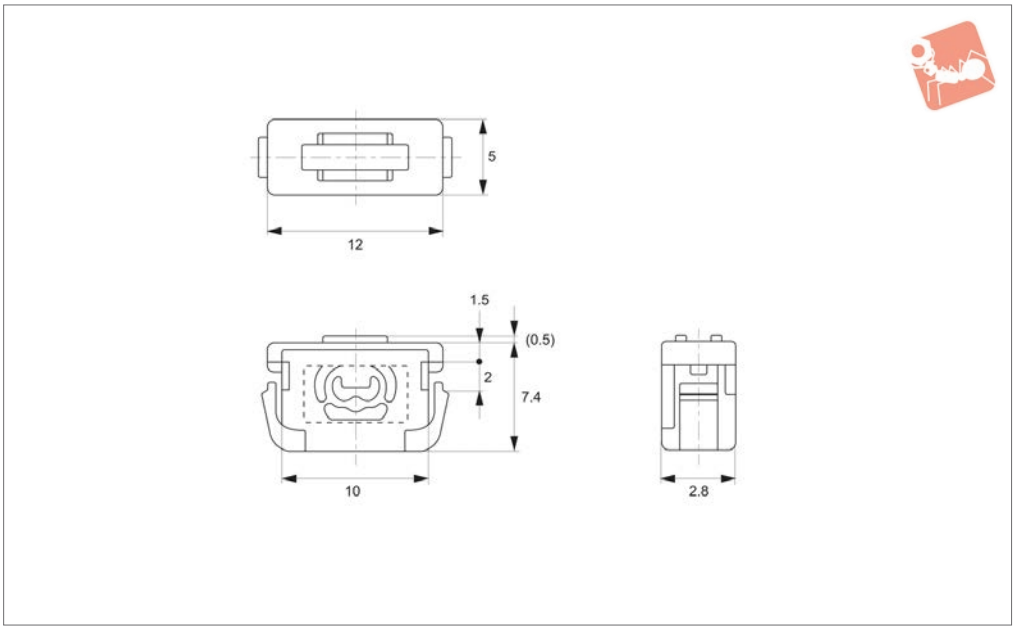
Magnet: neodymium.

Technical Notes
Dimensions a and b are dependant upon door thickness, see installation table below.

Order No.	Magnetic force kgf	Finish	Weight g
E5450.AC0010	4.5	White	9
E5450.AC0020	4.5	Black	9

Mini Magnetic Catches
snap-in type

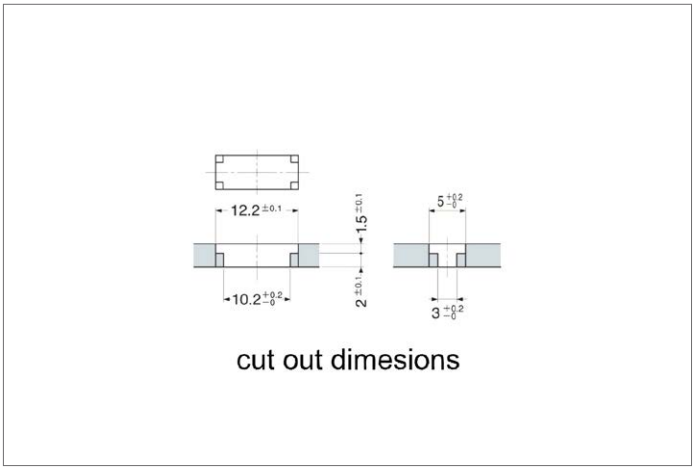
E5600

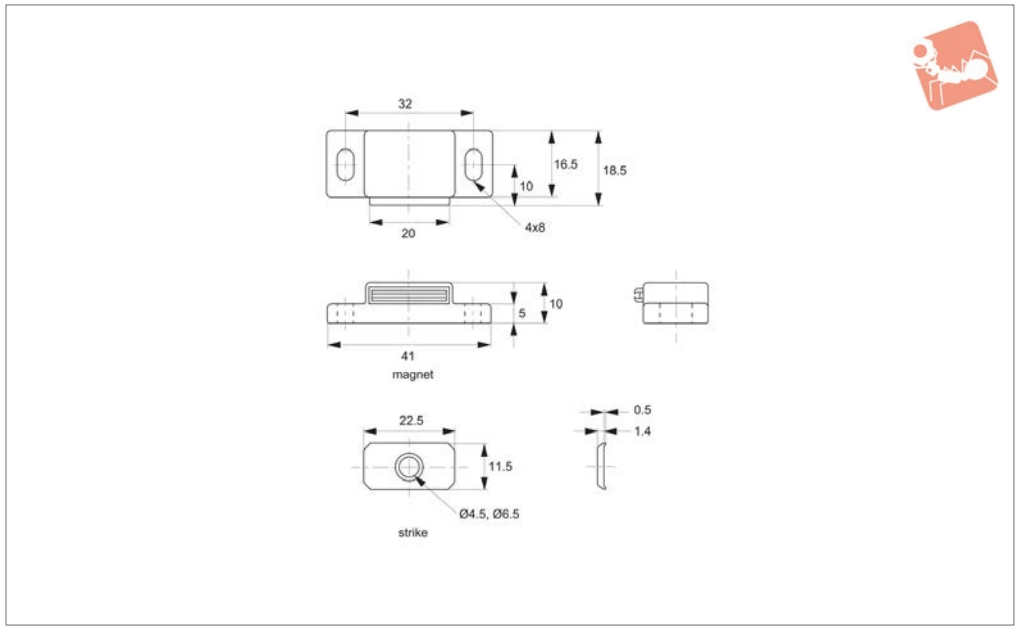


Material
Body: polyamide.
Yoke: steel.

Technical Notes
Suitable for doors 1,5 to 2mm thick.

Order No.	Magnetic force kgf	Weight g
E5600.AC0010	0,25-0,50	1





E5650

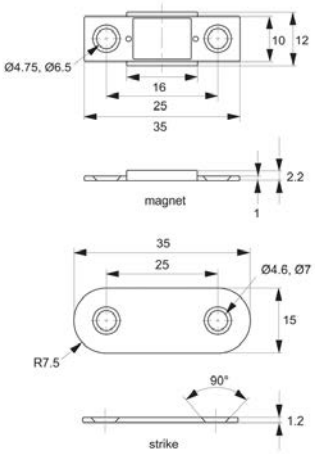
Material
Body: polypropylene.
Strike: steel.

Technical Notes
Screws not supplied.
Magnet and strike supplied together.

Order No.	Magnetic force kgf	Finish	Weight g
E5650.AC0010	1.5	White	12
E5650.AC0015	3.5	White	12
E5650.AC0020	1.5	Black	12
E5650.AC0025	3.5	Black	12

Magnetic Catches
ultra thin

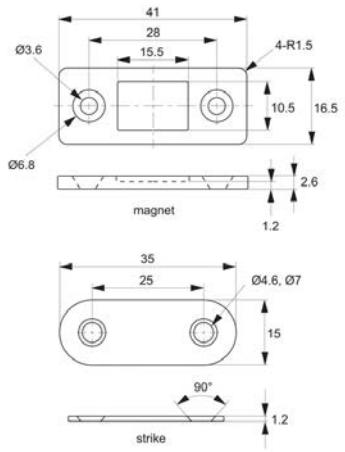
E5670



Material
Base & counter strike: steel.
Magnet: neodymium.

Technical Notes
Magnet and strike supplied together. Only 2mm thick. Maximum temperature 80°C. To avoid damage, counter plate should not hit magnet. Screw heads need to be flush with the base plate to ensure effective operation.

Order No.	Type	Magnetic force kgf	Weight g
E5670.AC0010	Magnet	2.7	7.5



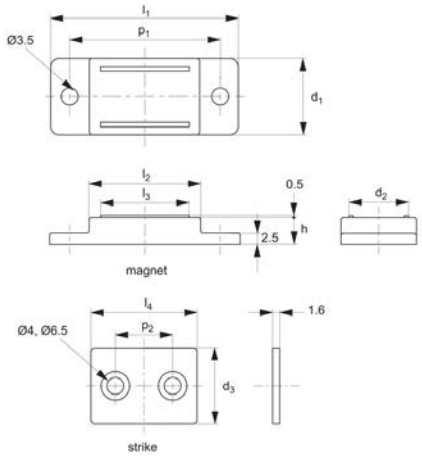
E5680

Material
Body & yoke: steel, nickel plated.
Magnet: neodymium

Technical Notes
Ultra thin with extra strong magnetic force. Max.temperature 80°C. To avoid damage, counterplate should not hit magnet.

Order No.	Type	Magnetic force kgf	Weight g
E5680.AC0010	Magnet	4.0	12
E5680.AC0110	Strike Plate	-	4

E5690

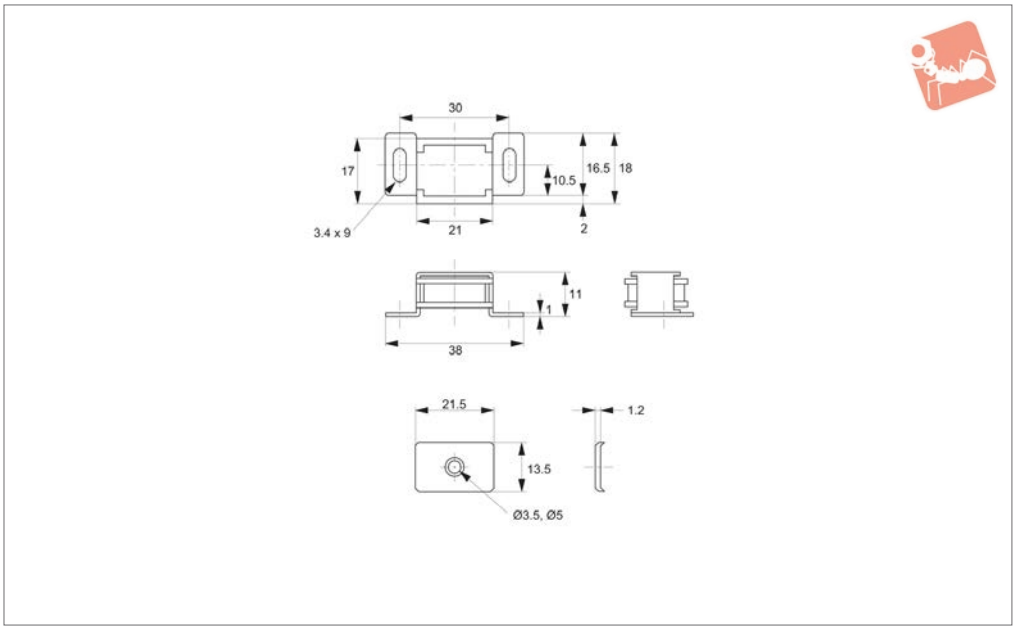


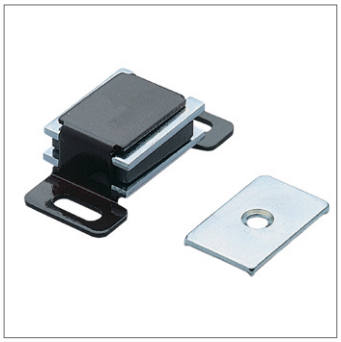
Material
Body: ABS plastic.
Yoke and counter plate: steel.

Magnet: ferrite.

Technical Notes
Magnet and Strike supplied together.

Order No.	Magnetic force kgf	Finish	l_1	l_2	l_3	l_4	d_1	d_2	d_3	p_1	p_2	h	Weight g
E5690.AC0010	5	Ivory	64	46	42	45	24.5	21.0	24	55	30	7.0	48
E5690.AC0012	3	Ivory	53	35	31	34	23.5	20.0	23	44	20	6.2	32
E5690.AC0014	1	Ivory	43	25	20	24	17.0	13.5	17	34	13	6.0	14
E5690.AC0020	5	Black	64	46	42	45	24.5	21.0	24	55	30	7.0	48
E5690.AC0022	3	Black	53	35	31	34	23.5	20.0	23	44	20	6.2	32
E5690.AC0024	1	Black	43	25	20	24	17.0	13.5	17	34	13	6.0	14



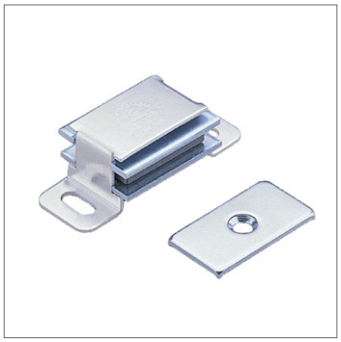


E5700

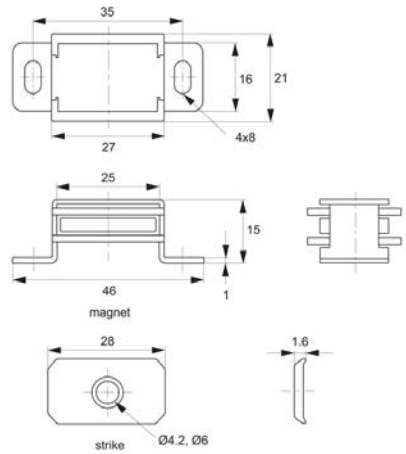
Material
Body: aluminium alloy, browned.
Yoke and strike: steel, clear zinc chromate.

Technical Notes
Supplied with fitting screws.
Magnet and strike supplied together.

Order No.	Magnetic force kgf	Weight g
E5700.AC0010	0.8	17



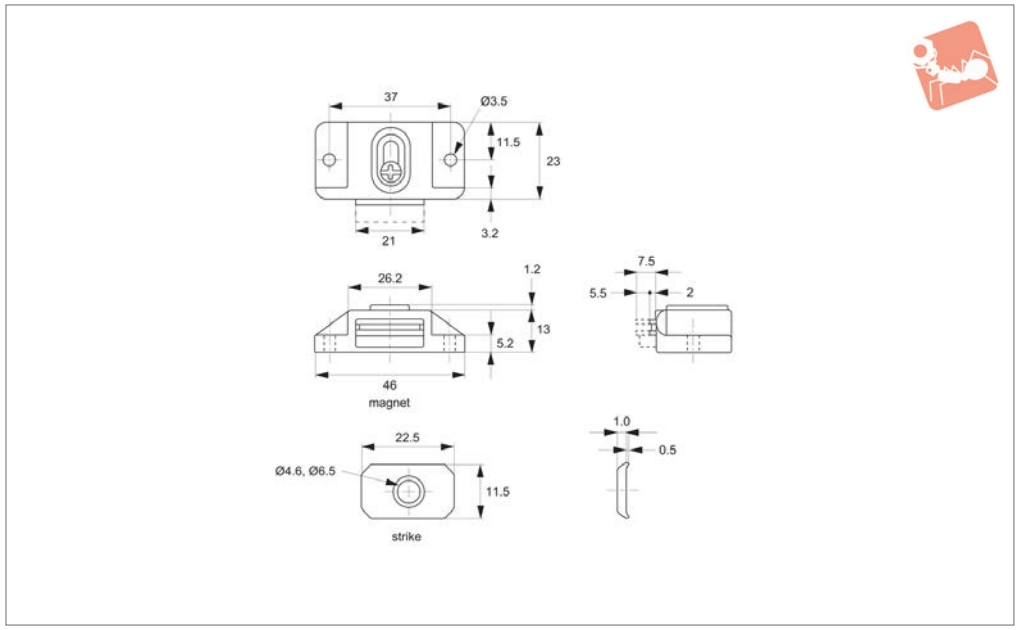
E5750



Material
Body: aluminium alloy, natural.
Yoke and strike: steel, clear zinc chromate.

Technical Notes
Magnet and strike supplied together.

Order No.	Magnetic force kgf	Weight g
E5750.AC0010	1.5	28.5



E5800

CATCHES & LATCHES

Material
Body: ABS plastic.
Yoke: steel.

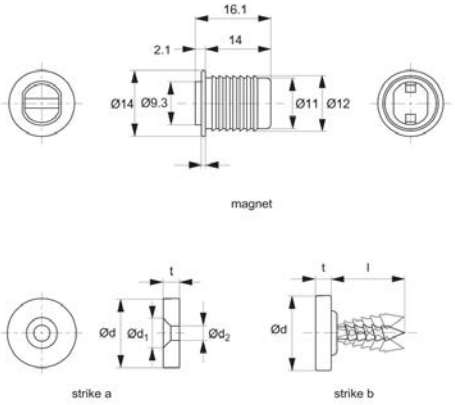
Technical Notes
Position of the magnet is adjustable by up to 5,5mm.

Supplied with screws (3,1x13).
Magnet and Strike supplied together.

Order No.	Magnetic force kgf	Finish	Weight g
E5800.AC0010	3	Ivory	18
E5800.AC0020	3	Black	18

Magnetic Catches
push-fit

E5850

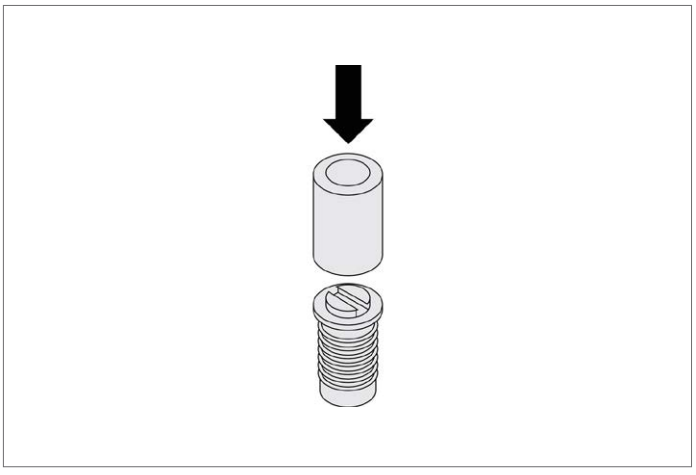


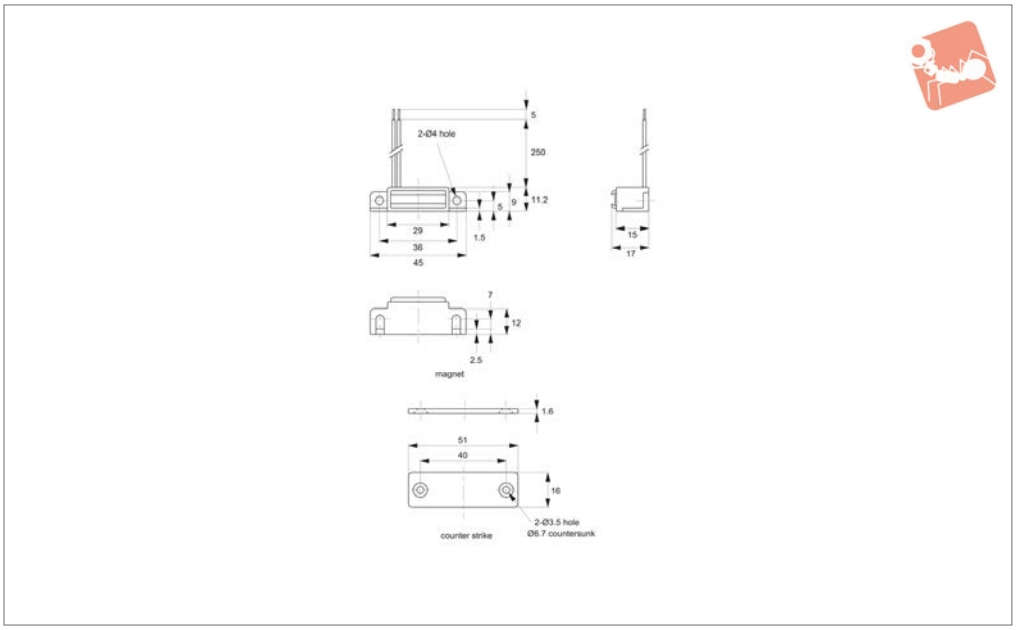
Material
Body: polypropylene.
Yoke: steel.
Strike: steel, nickel or chrome plated.

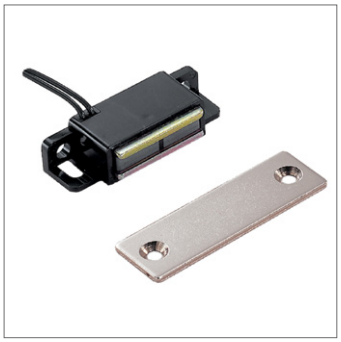
Technical Notes
Catches can be used with either strike a or b, to suit your application.
Moveable magnet enables better positioning to ensure full surface contact with strike, and hence full magnetic force.

Tips
When installing magnet, use tube to apply pressure to plastic housing only, to avoid damage to the magnet.

Order No.	Type	Magnetic force kgf	Finish	t	d	d_1	d_2	l	Weight g
E5850.AC0010	Magnet	2.5	White	-	-	-	-	-	6.0
E5850.AC0020	Magnet	2.5	Black	-	-	-	-	-	6.0
E5850.AC0703	Strike A	-	Chrome Plated	2.5	12	6	3	-	1.7
E5850.AC0704	Strike A	-	Nickel Plated	3.0	15	8	4	-	3.3
E5850.AC0713	Strike B	-	Nickel Plated	2.5	12	-	-	12	2.0







E5900

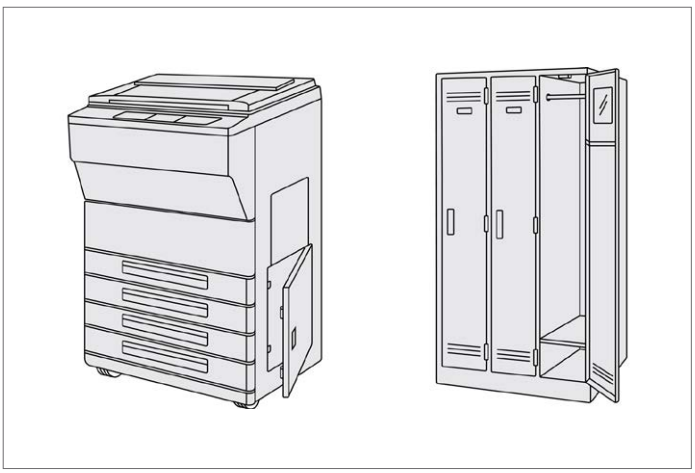
Material
Body: polycarbonate, black.
Magnet and counter plate: steel, nickel plated.
Cable: UL1007 AWG#26, black. Max. cable strength 1Kg.

Technical Notes
Magnet has the following electrical properties:
Wattage: 10W
Voltage: 100V DC
Max. load rating: 0.5A DC
Max contact resistance (excl. cable): 0.15 ohm.
Temperature resistance 0 to 60°C.

Tips
Type A: Reed switch closes when counter plate and magnet are separated.
Type B: Reed switch opens when counter plate and magnet are separated.

Important Notes
Magnet and Counter Strike enable completion or breaking of electrical circuit of the reed switch, and can be easily incorporated into a lighting or sensor circuit. The magnetic field is NOT powered on/off by any electrical current.

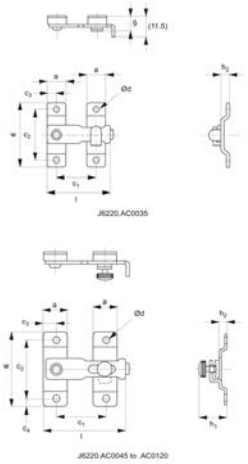
Order No.	Magnetic force kgf	Movement type	Weight g
E5900.AC0010	1	B - Reed Switch Open	28
E5900.AC0020	3	A - Reed Switch Closed	28
E5900.AC0030	3	B - Reed Switch Open	28



Bar Latches

with thumb screw, stainless steel

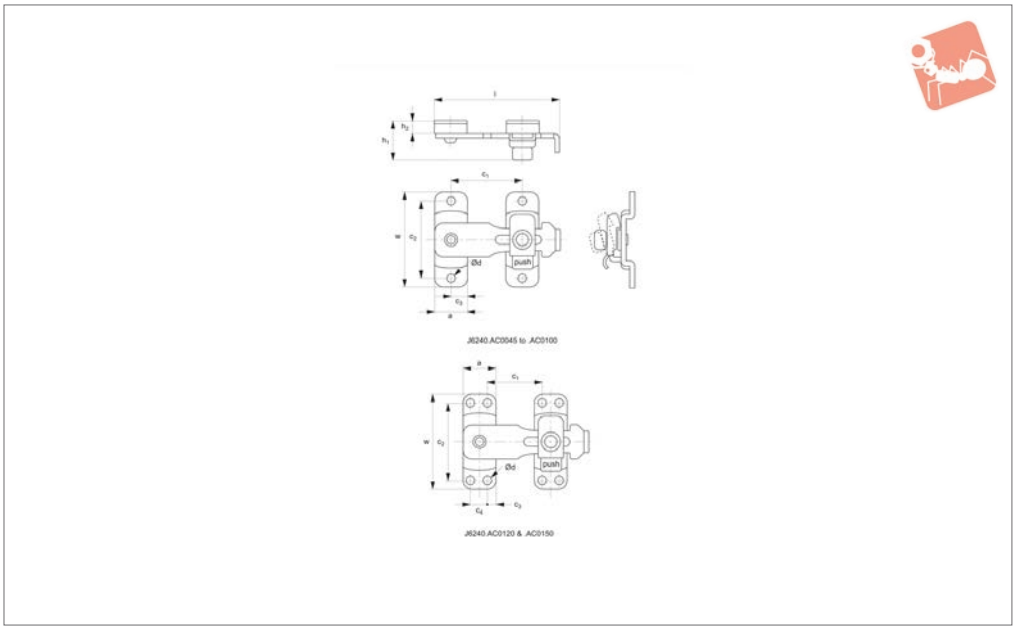
J6220



Material
Stainless steel AISI 304, polished.

Important Notes
Latch with thumb screw on strike to keep latch closed.
Note: J6220.AC0035 has no thumb screw.

Order No.	l	w	a	c_1	c_2	c_3	c_4	h_1	h_2	Ø d	Weight g
J6220.AC0035	35	35	10	22	28	5.0	3.5	-	4.2	3.3	19
J6220.AC0045	45	40	13	28	32	6.5	4.0	15	4.5	3.3	28
J6220.AC0055	55	46	16	35	37	8.0	4.5	19	6.0	4.0	50
J6220.AC0080	81	65	20	52	53	10.0	6.0	23	7.0	4.8	100
J6220.AC0100	100	80	25	60	66	12.5	7.0	29	8.0	5.5	200
J6220.AC0120	120	100	30	75	80	15.0	10.0	30	8.0	6.5	295

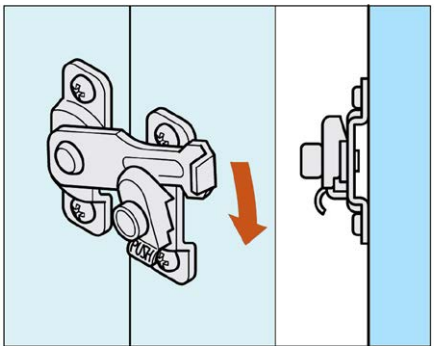


J6240

Material
Stainless steel AISI 304, polished.

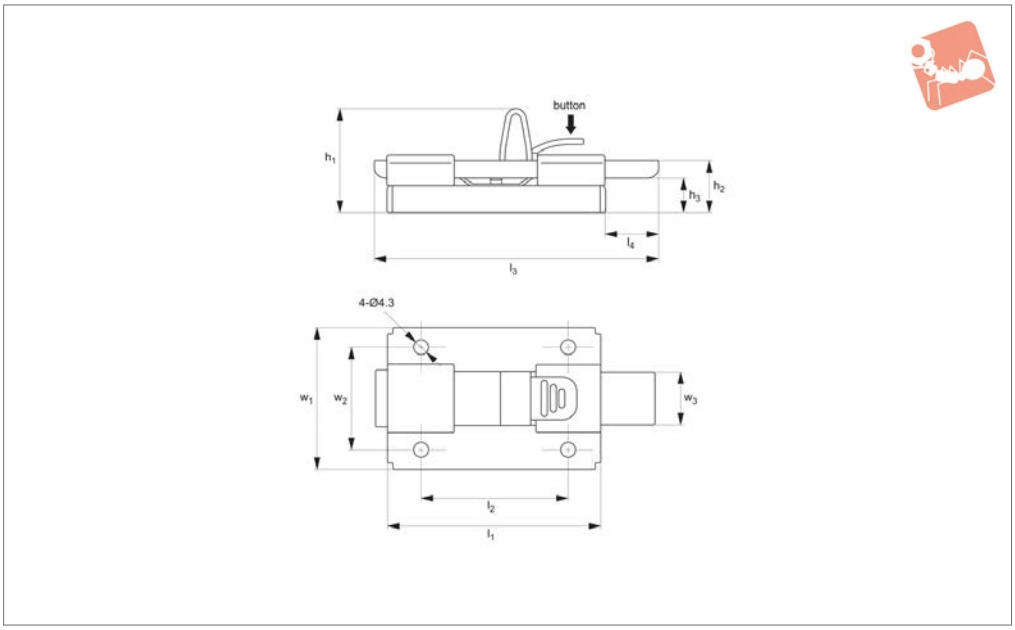
Technical Notes
Latch snaps into spring loaded strike to prevent accidental release, and hence latch can be used upside down.
Push tab on strike to release.

Order No.	l	w	a	c_1	c_2	c_3	c_4	h_1	h_2	Ø d	Weight g
J6240.AC0045	48	40	13.0	23 ±3	32	6.50	-	17.0	4.5	3.2	28
J6240.AC0060	63	46	16.0	34 ±4	37	8.00	-	20.0	6.0	4.2	50
J6240.AC0080	85	65	20.0	47 ±7	53	10.00	-	22.5	7.0	5.0	100
J6240.AC0100	105	80	25.0	59 ±7	66	12.50	-	26.5	8.0	5.5	182
J6240.AC0120	127	100	28.5	56 ±10	80	6.75	15	28.0	8.0	6.2	270
J6240.AC0150	155	120	30.5	74 ±14	95	7.25	16	28.0	8.0	6.2	350



Slide Bar Latch
stainless steel

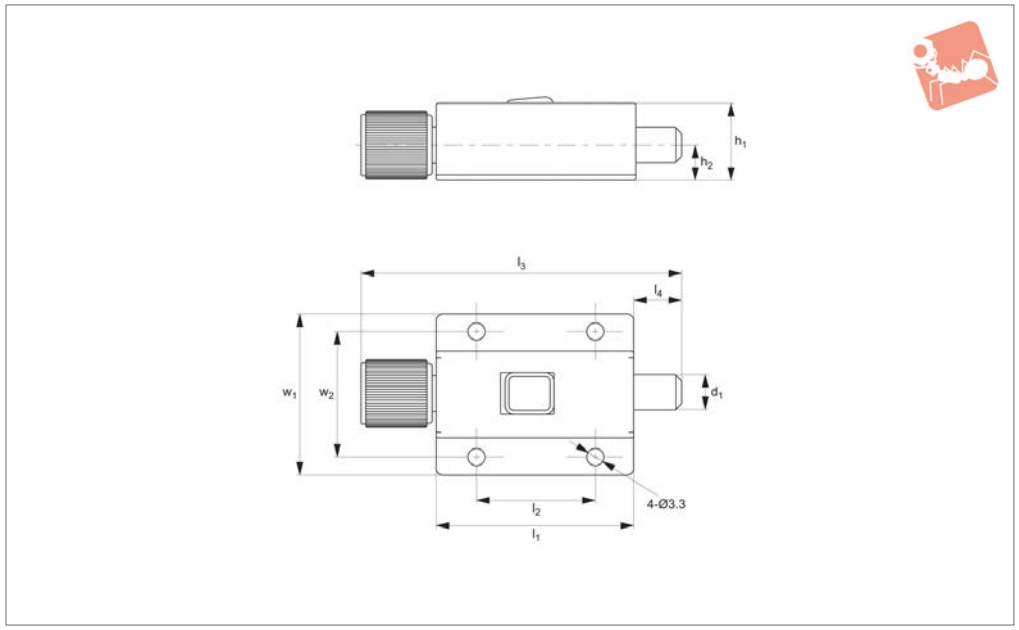
J6260

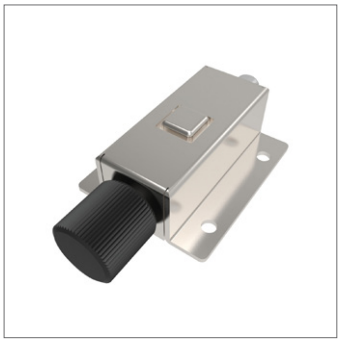


Material
Stainless steel.
Not supplied: fixing screws.

Tips
Push button to adjust/move bolt.
l_3 max. extension of latch bolt stroke= 14,5mm.

Order No.	l_1	l_2	l_3	h_1	h_2	h_3	l_4	w_1	w_2	w_3	Stroke
J6260.AW0010	65	45	85.5	31.3	15.5	10	16.7	44	32.5	18	14.5





J6262

Material
Housing: stainless steel.
Bolt: steel, chrome plated.

Grip: plastic.

Tips
Push button to adjust/move bolt.

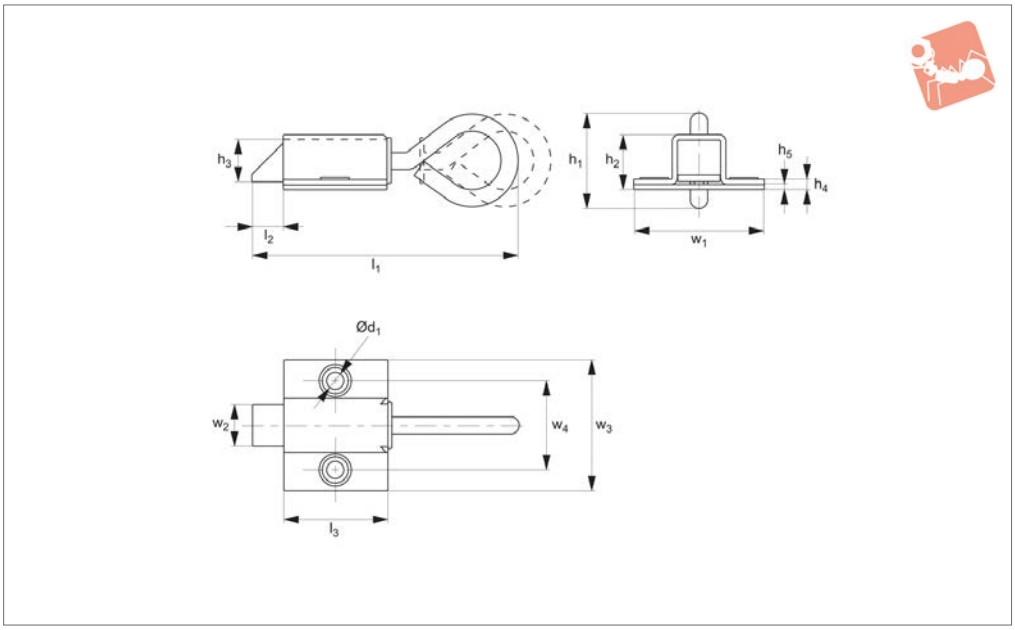
l_3 max. extension of latch bolt stroke= 14,5mm.

Order No.	l_1	d_1	l_2	l_3	h_1	h_2	l_4	w_1	w_2	Stroke
J6262.AW0010	40	7	25	64	15	7	9	33.5	26.5	9

Slide Bar Latches - Pull Ring

steel

J6266

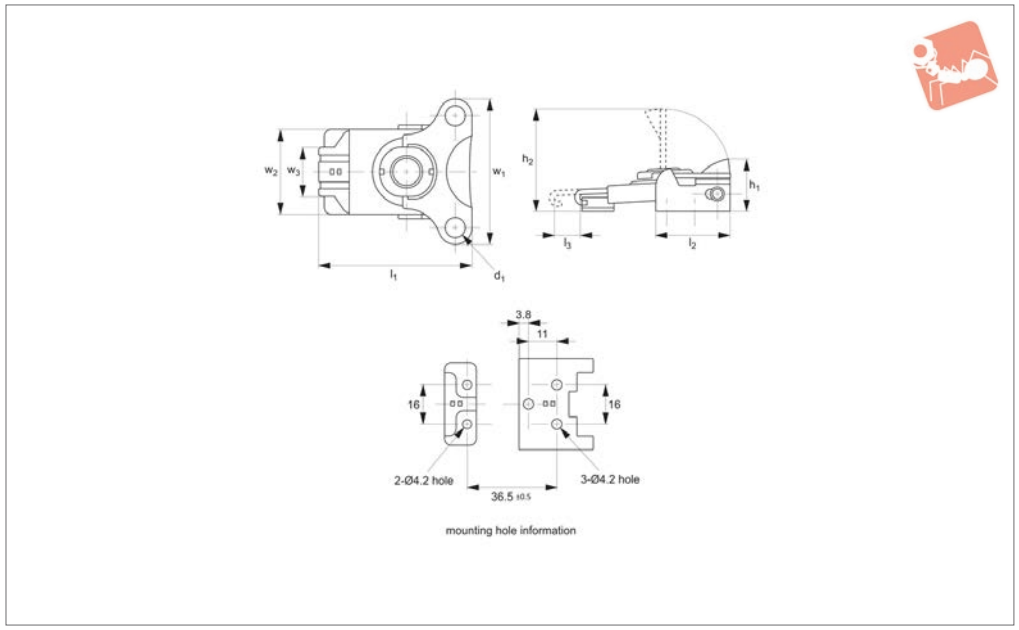


Material
Body: steel, zinc plated.

Technical Notes
Mounted via 2 x M5 screws (not supplied).

Tips
Easy actuation using pull ring, catch has stroke of 9,5mm.

Order No.	l_1	l_2 stroke	l_3	h_1	h_2	h_3	h_4	h_5	Ø d_1	w_1	w_2	w_3	w_4
J6266.AW0010	83	9.5	34	28	16.5	12.7	3	1.5	5.3	39	12.7	39	26.9



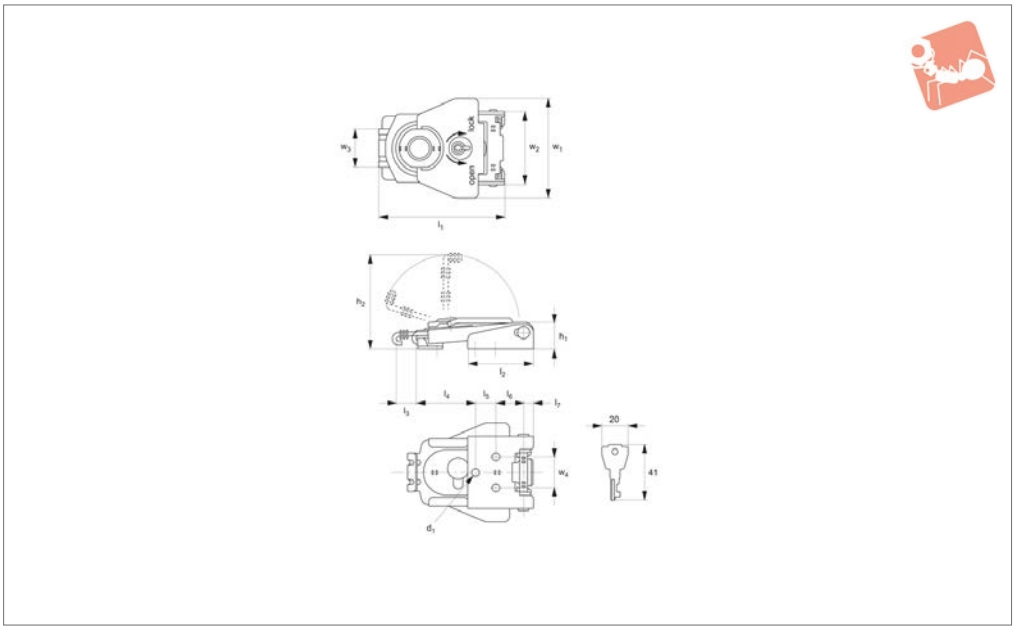
J0100

Material
All parts from stainless steel, AISI 304, polished.

Order No.	l_1	h_1	w_1	Ø d_1	h_2	l_2	l_3 stroke	w_2	w_3	Weight g
J0100.AC0030	61	22	60	8	43	30	10	34.5	20	85

Draw Latches with Lock
stainless steel

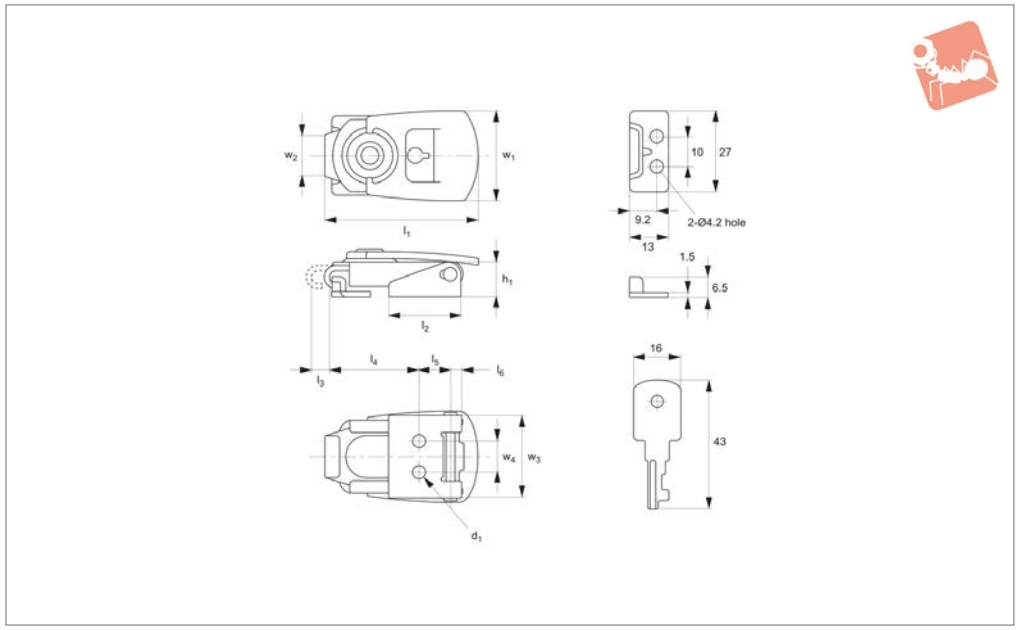
J0150



Material
All parts from stainless steel, AISI 304, polished.

Single key supplied.

Order No.	l_1	h_1	w_1	d_1	h_2	l_2	l_3 stroke	l_4	l_5	l_6	l_7	w_2	w_3	w_4	Weight g
J0150.AC0030	65	13	52	4.2	48	34.5	10	34	11	14.4	5	38	20	16	105



J0170

DRAW LATCHES

Material
All parts from stainless steel, AISI 304, plain.

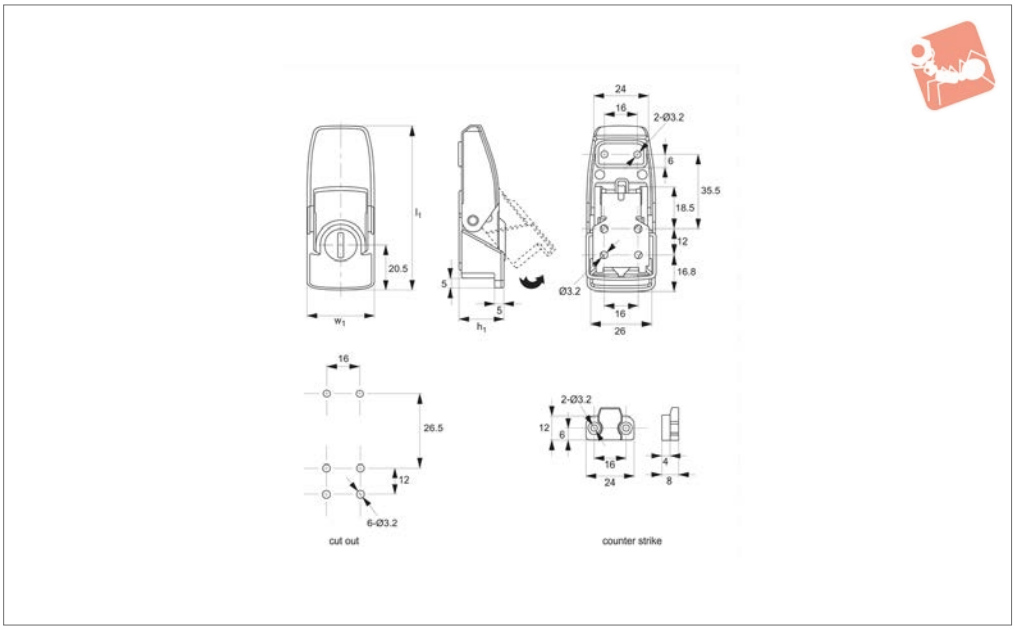
Technical Notes
Compact size, high strength.

Single key supplied.

Order No.	l_1	h_1	w_1	Ø d_1	l_2	l_3	l_4	l_5	l_6	w_2	w_3	w_4	Weight g
J0170.AC0030	51	11.5	30	4.2	24	6	31~(33)	10.5	3.5	14	27.3	10	50

Draw Latches - with Lock
zinc

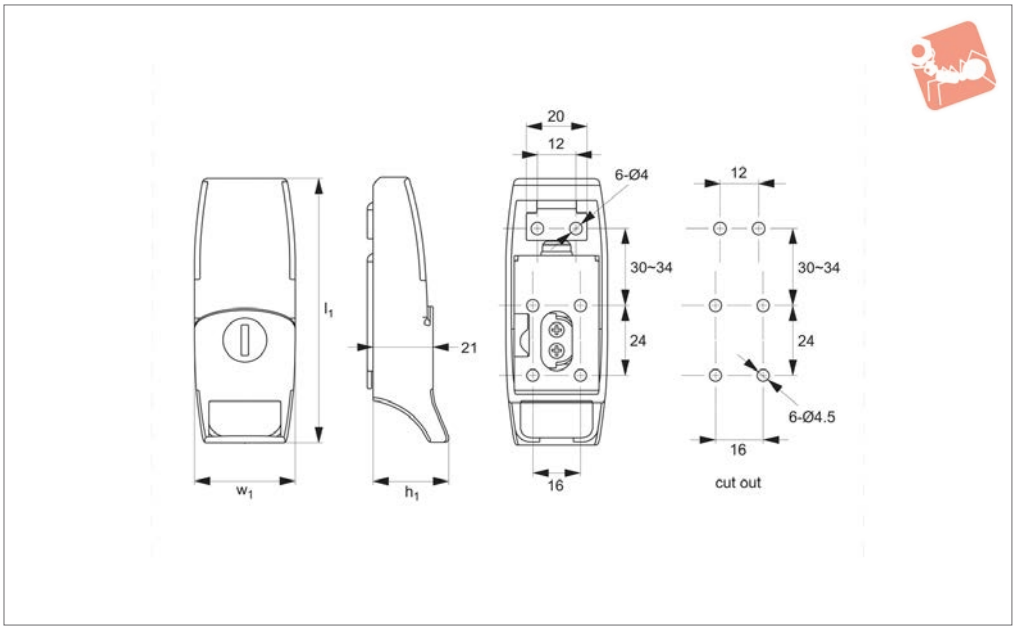
J0200



Material
Housing and Strike: die cast zinc.
Bracket: stainless steel.

Supplied with: Keys: two per lock.
Not supplied: Fixing screws.

Order No.	Type	Finish	l_1	h_1	w_1
J0200.AW0010	With Lock	Chrome Plated	76	21	32
J0200.AW0020	With Lock	Black Coated	76	21	32
J0200.AW0310	Blank - No Lock	Chrome Plated	76	21	32
J0200.AW0320	Blank - No Lock	Black Coated	76	21	32



J0220

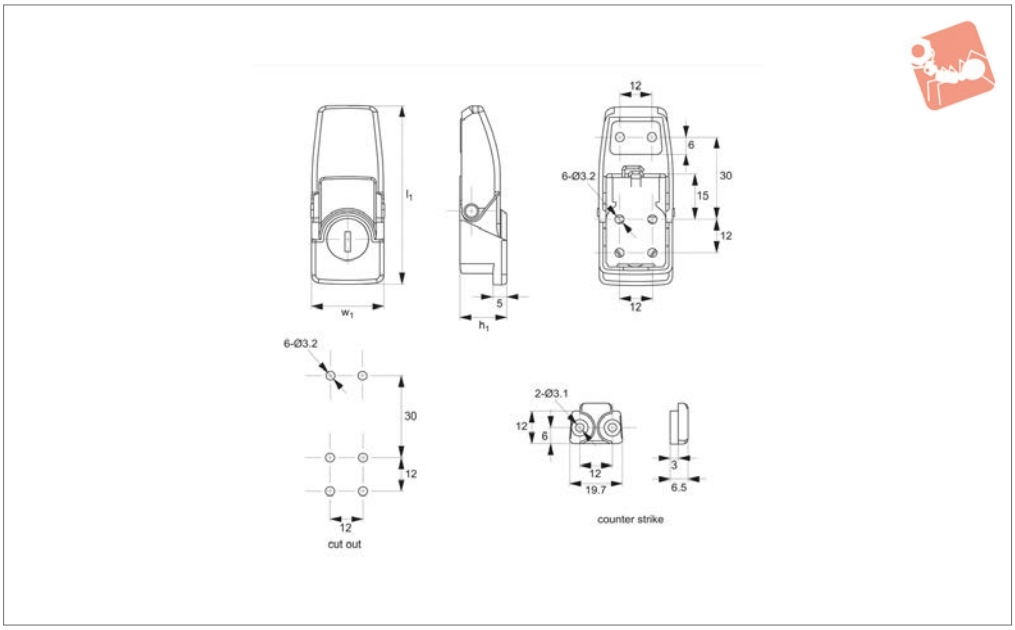
Material
Housing and Strike: die cast zinc, black powder coated.

Bracket and strike: stainless steel.
Supplied with: Keys: two per lock.

Order No.	Finish	l_1	h_1	w_1
J0220.AW0010	Black Coated	92	25	36

Draw Latches - with Lock
zinc

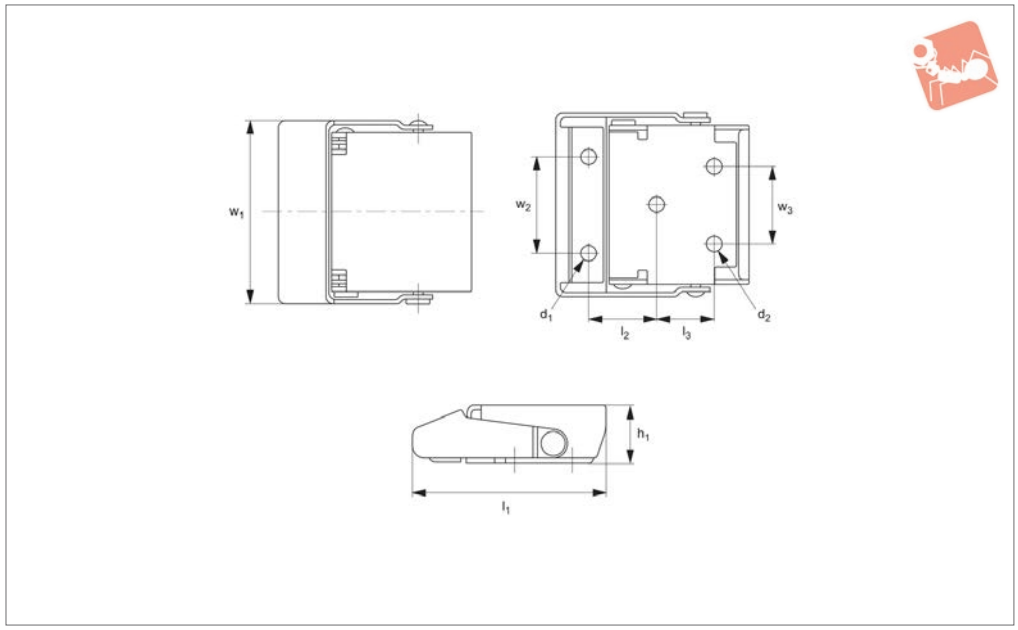
J0240



Material
Housing and Strike: die cast zinc, black powder coated.

Bracket: stainless steel.
Supplied with: Keys: two per lock.
Not supplied: Fixing screws.

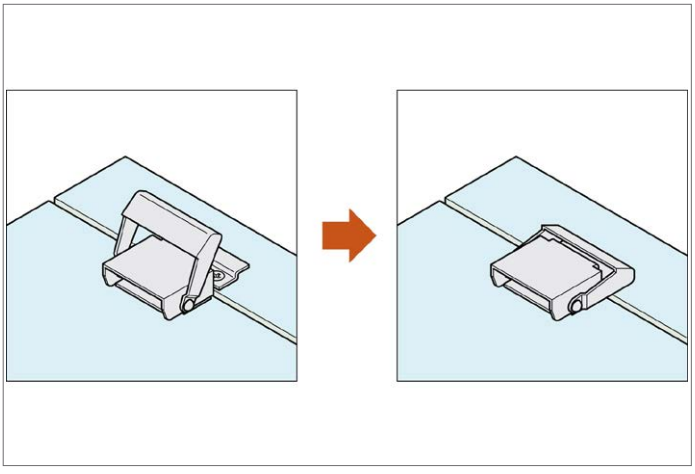
Order No.	Type	l_1	Material	h_2	w_2
J0240.AW0010	With Lock	64.5	Chrome Plated	16.5	26.5
J0240.AW0020	With Lock	64.5	Black Coated	16.5	26.5
J0240.AW0310	Blank - No Lock	64.5	Chrome Plated	16.5	26.5
J0240.AW0320	Blank - No Lock	64.5	Black Coated	16.5	26.5



J0320

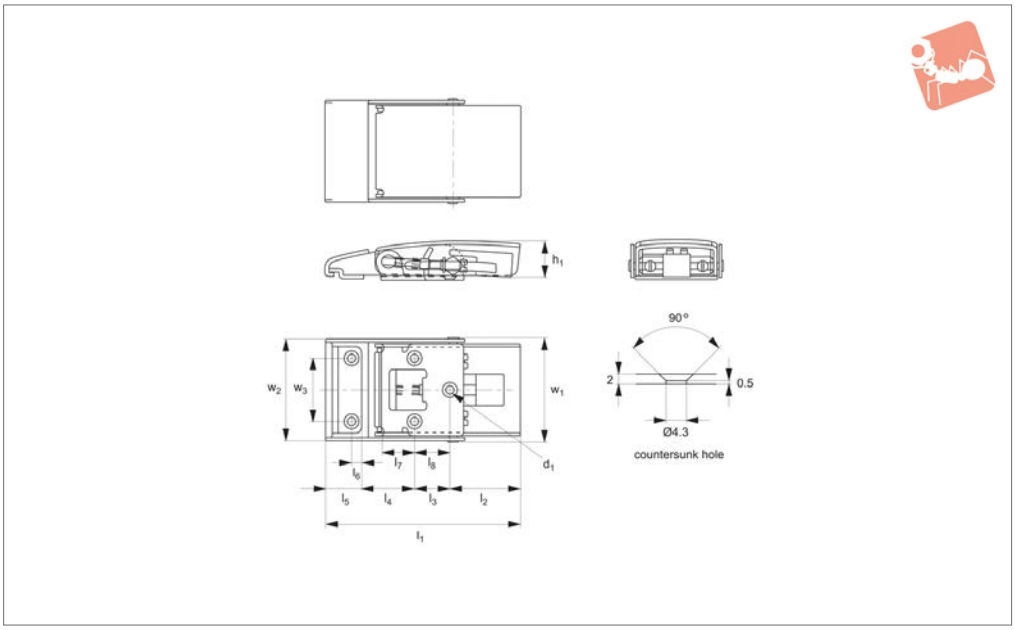
Material
All parts from stainless steel, AISI 304,
satin finish. Fixing screws not included.

Order No.	l_1	h_1	w_1	Ø d_1	Ø d_2	l_2	l_3	w_2	w_3	Weight g
J0320.AC0030	40	12	33	3.2	Ø3,2	14	12	20	16	30



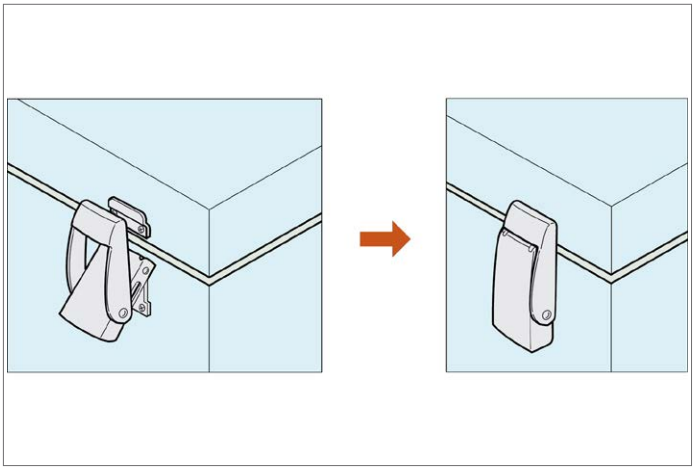
Draw Latches
stainless steel

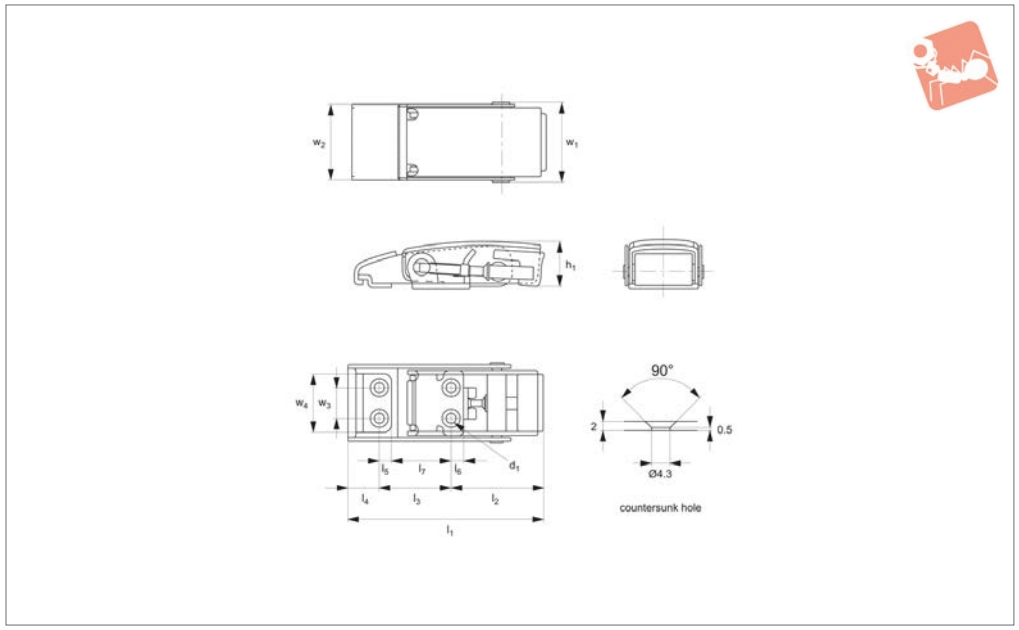
J0340



Material
All parts from stainless steel, AISI 304,
satin finish. Fixing screws not included.

Order No.	l_1	Load capacity kg	d_1	h_1	w_1	l_2	l_3 ±0.2	l_4 ±0.5	l_5	l_6	l_7	l_8	w_2	w_3 ±0.2	Weight g
J0340.AC0030	100	80	4.3	19.5	52.6	36.5	18	32	16.5	5	17	25	52	32	190

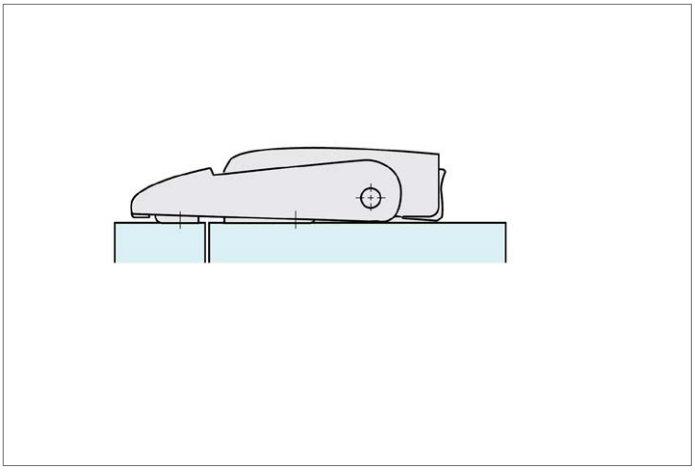




J0360

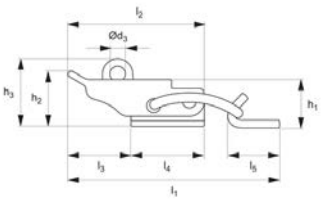
Material
All parts from stainless steel, AISI 304,
satin finish. Fixing screws not included.

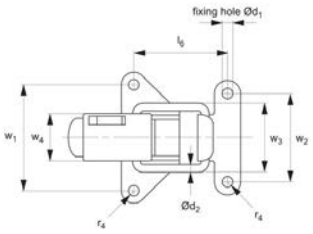
Order No.	l_1	Load capacity kg	h_1	w_1	Ø d_1	l_2	l_3 0|-0.5	l_4	l_5	l_6	l_7	w_2	w_3 ±0.2	w_4	Weight g
J0360.AC0030	82	80	19.5	33.6	4.3	38.5	30	13.5	5	5	52	32	13	25	111



Toggle Latches
with padlock shackle

J0500



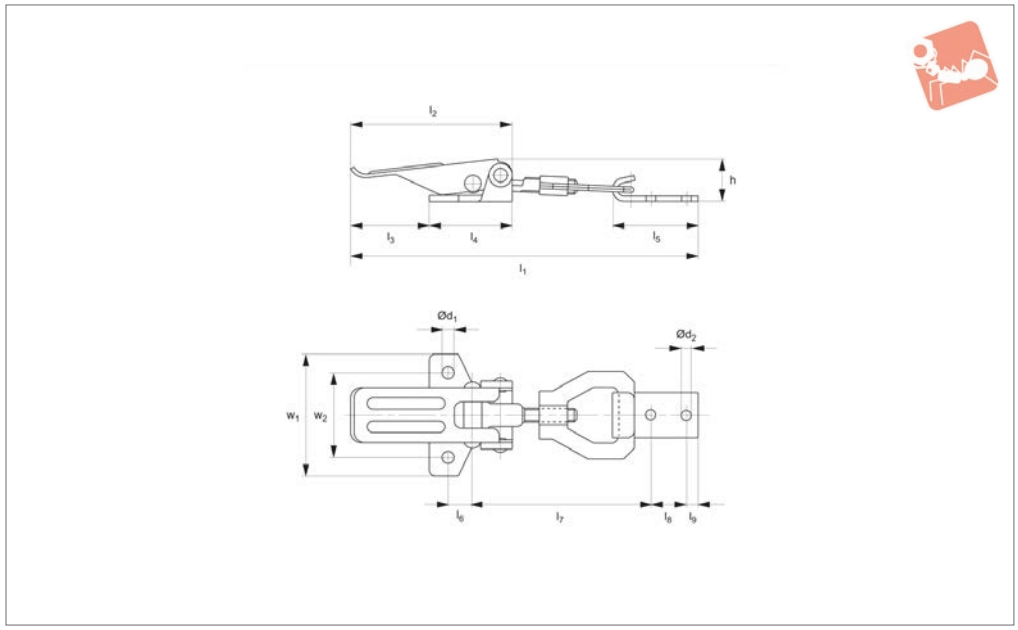


Material
Steel, Fe P02 + P12, UNI5866, nickel or zinc plated.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	Ø d_3	h_2 ±0.5	h_3	Weight g
J0500.AC0001	Nickel Plated Steel	52	11	33	3.5	2	4	12	17.5	20
J0500.AC0004	Zinc Plated Steel	52	11	33	3.5	2	4	12	17.5	20

Order No.	l_2	l_3	l_4	l_5	l_6 ±0.3	w_2	w_3	w_4	Load N max.	Tension N max.
J0500.AC0001	34	16	18	13	28.5	28	21	15	550	1500
J0500.AC0004	34	16	18	13	28.5	28	21	15	550	1500



J0520

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

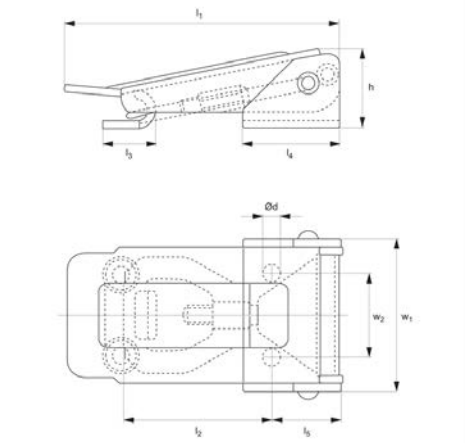
Technical Notes
Supplied with counter strike.
Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.

Order No.	Finish	l_1	h	w_1	Ø d_1	Ø d_2	l_2	l_3	l_4	Weight g
J0520.AC0004	Zinc Plated Steel	138 to 150	18	52	5.2	4.1	67.5	33	35	110
J0520.AC0030	Stainless Steel	138 to 150	18	52	5.2	4.1	67.5	33	35	110

Order No.	l_5	l_6	l_7	l_8	l_9	Load N max.	Tension N max.	w_2	w_3
J0520.AC0004	36	10	68 to 80	15	5	1100	2500	36	19
J0520.AC0030	36	10	68 to 80	15	5	1100	2500	36	19

Toggle Latches
adjustable, stainless steel

J0560

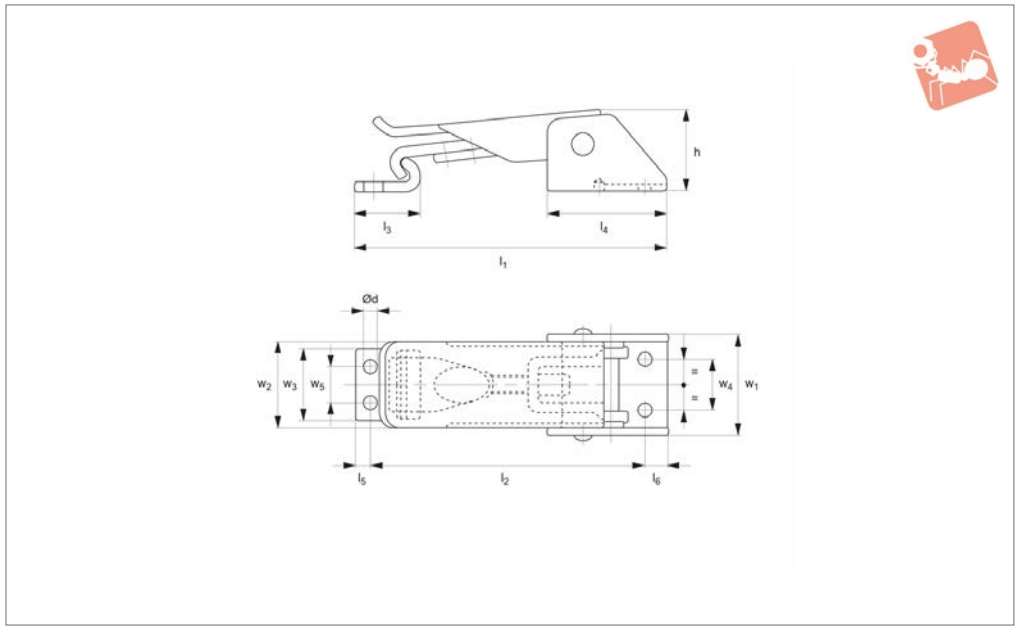


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.
Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.

Order No.	Finish	l_1	h	w_1	Ø d	l_2	Weight g
J0560.AC0004	Zinc Plated Steel	88	26	48.5	5.5	48 to 60	160
J0560.AC0030	Stainless Steel	88	26	48.5	5.5	48 to 60	160

Order No.	l_3	l_4	l_5	Load N max.	Tension N max.	w_2
J0560.AC0004	17	31	22	1500	3000	26
J0560.AC0030	17	31	22	1500	3000	26



J0580

Material
Steel, Fe P02 + P12, UNI5866, nickel plated.

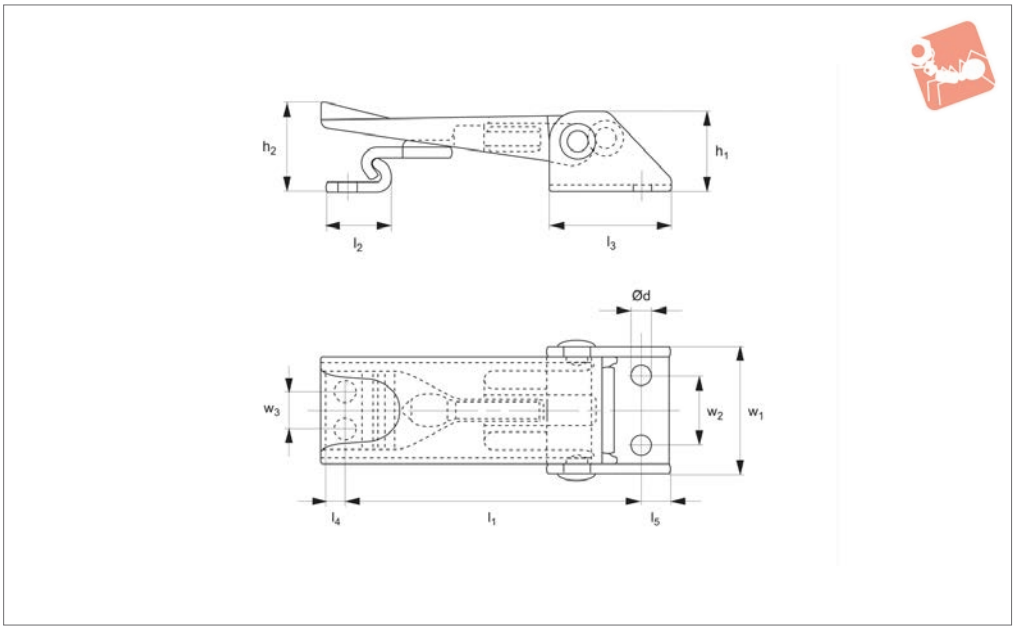
Technical Notes
Supplied with counter strike.
Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.

Order No.	Finish	l_1	h	w_1	Ø d	l_2	l_3	l_4	Weight g
J0580.AC0001	Nickel plated steel	82 to 94	22	27	3.6	72 to 84	17.5	33	100

Order No.	l_5	l_6	Load N max.	Tension N max.	w_2	w_3	w_4	w_5
J0580.AC0001	4	6	1000	2000	24	19	14	10

Toggle Latches
adjustable, stainless steel

J0600

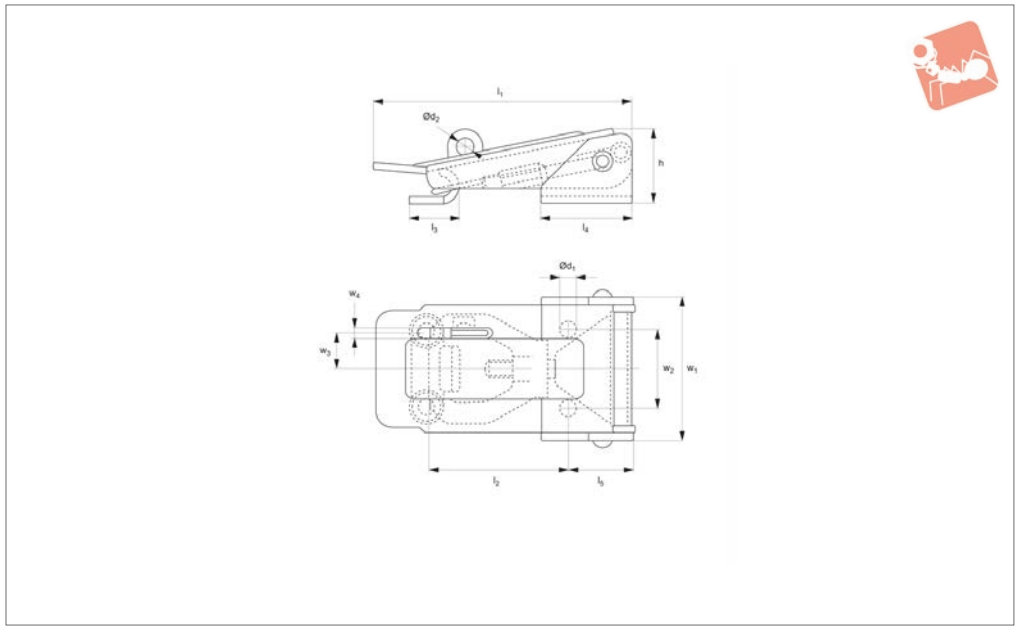


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.
Draw length adjustable through turns of threaded draw rod, giving 10mm length of adjustment.

Order No.	Finish	l_1	h_1	w_1	Ø d	h_2	Weight g
J0600.AC0008	Zinc Plated	60 to 70	16	25.5	4.2	18	55
J0600.AC0030	Stainless Steel	60 to 70	16	25.5	4.2	18	55

Order No.	l_2	l_3	l_4	l_5	Load N max.	Tension N max.	w_2	w_3
J0600.AC0008	14	25	4	6	1000	1400	14	8
J0600.AC0030	14	25	4	6	1000	1400	14	8



J0562

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Supplied with counter strike.

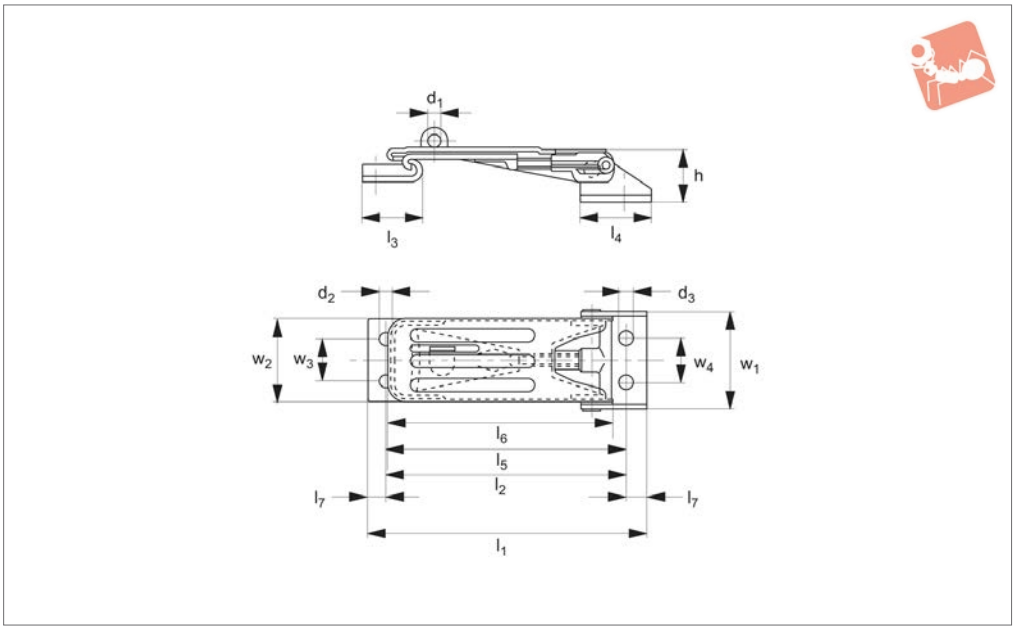
Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.
Use padlock of 6mm dia. or less.

Order No.	Finish	l_1	h	w_1	Ø d_1	Ø d_2	l_2	Weight g
J0562.AC0004	Zinc Plated Steel	88	26	48.5	5.5	6	48 to 60	170

Order No.	l_3	l_4	l_5	w_2	w_3	w_4	Load N max.	Tension N max.
J0562.AC0004	17	31	22	26	12	1.5	1500	3000

Toggle Latches
adjustable with padlock shackle

J0590



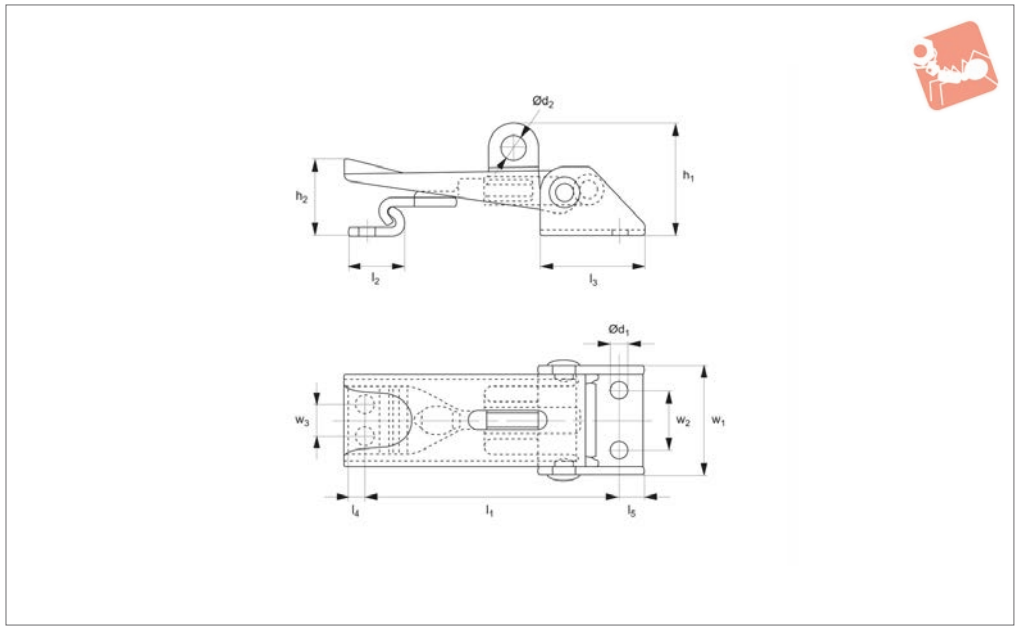
Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Supplied with counter strike.

Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.
Use padlock of 6mm dia. or less.

Order No.	Finish	l_1	h	w_1	d_1	Ø d_2	Ø d_3	l_2	l_3	Weight g
J0590.AC0008	Zinc Plated	135 to 150	23	45.5	6	6.6	7.1	115 to 130	30.7	190

Order No.	l_4	l_5	l_6	l_7	w_2	w_3	w_4	Load N max.	Tension N max.
J0590.AC0008	35	131.5	114	10	40	22	22	2000	4000



J0602

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Draw length adjustable through turns of threaded draw rod, giving 10mm length of adjustment.
Use padlock of 6mm dia. or less.

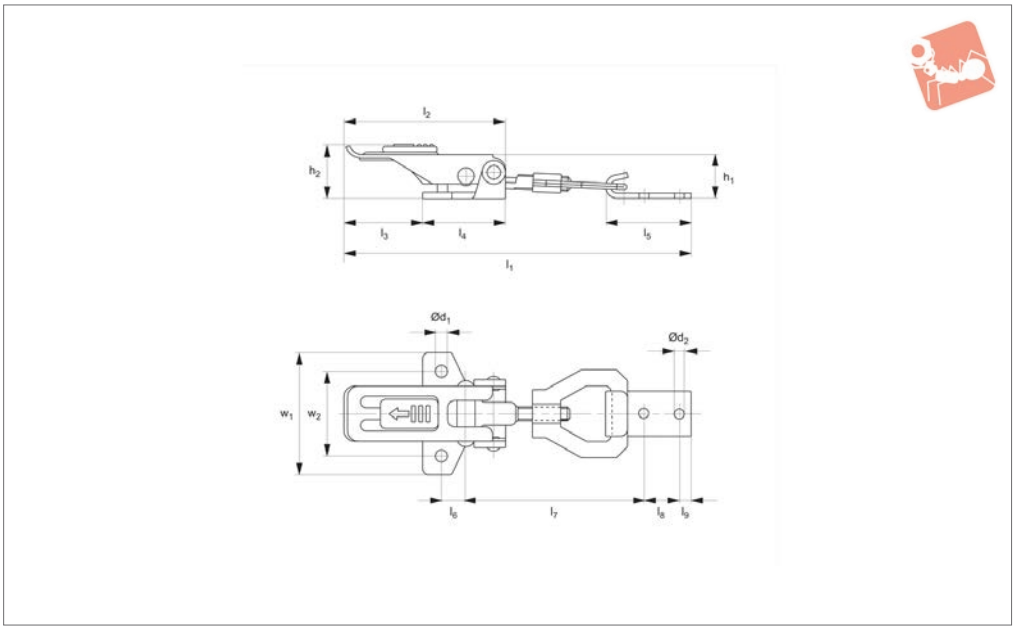
Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	h_2	Weight g
J0602.AC0008	Zinc Plated	60 to 70	27	25.5	4.2	6	18	55
J0602.AC0030	Stainless Steel	60 to 70	27	25.5	4.2	6	18	55

Order No.	l_2	l_3	l_4	l_5	w_2	w_3	Load N max.	Tension N max.
J0602.AC0008	14	25	4	6	14	8	1000	1400
J0602.AC0030	14	25	4	6	14	8	1000	1400

Toggle Latches

adjustable with secondary lock, stainless steel

J0540

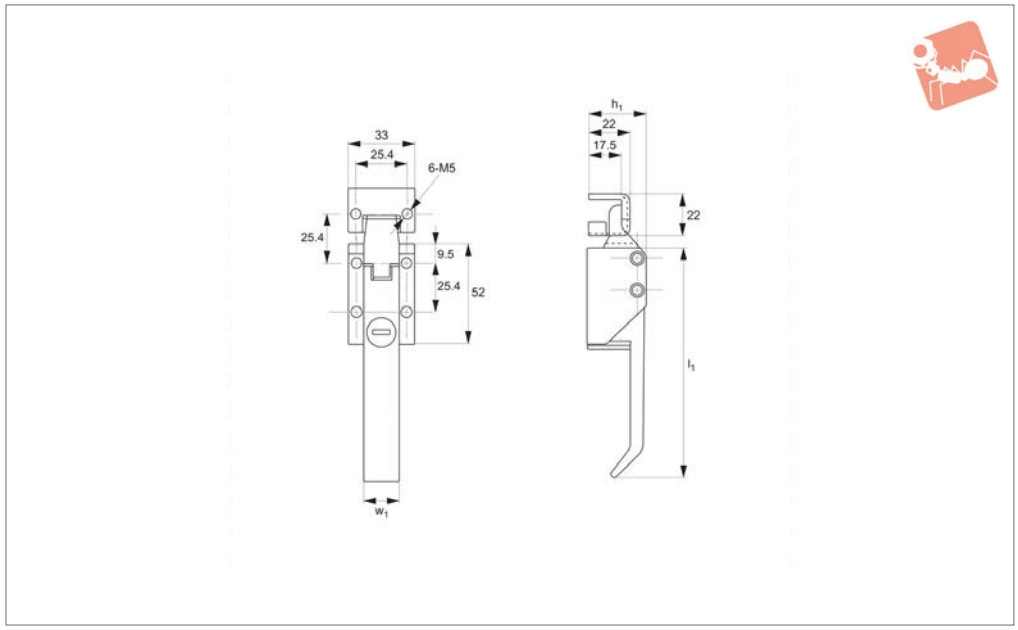


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.
Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.

Order No.	Finish	l_1	w_1	h_1	Ø d_1	Ø d_2	h_2	l_2	l_3	Weight g
J0540.AC0001	Nickel plated steel	138 to 150	52	18	5.2	4.1	22	67.5	33	105
J0540.AC0030	Stainless steel	138 to 150	52	18	5.2	4.1	22	67.5	33	105

Order No.	l_4	l_5	l_6	l_7	l_8	l_9	w_2	w_3	Load N max.	Tension N max.
J0540.AC0001	35	36	10	68 to 80	15	5	36	19	1100	2500
J0540.AC0030	35	36	10	68 to 80	15	5	36	19	1100	2500



J0660

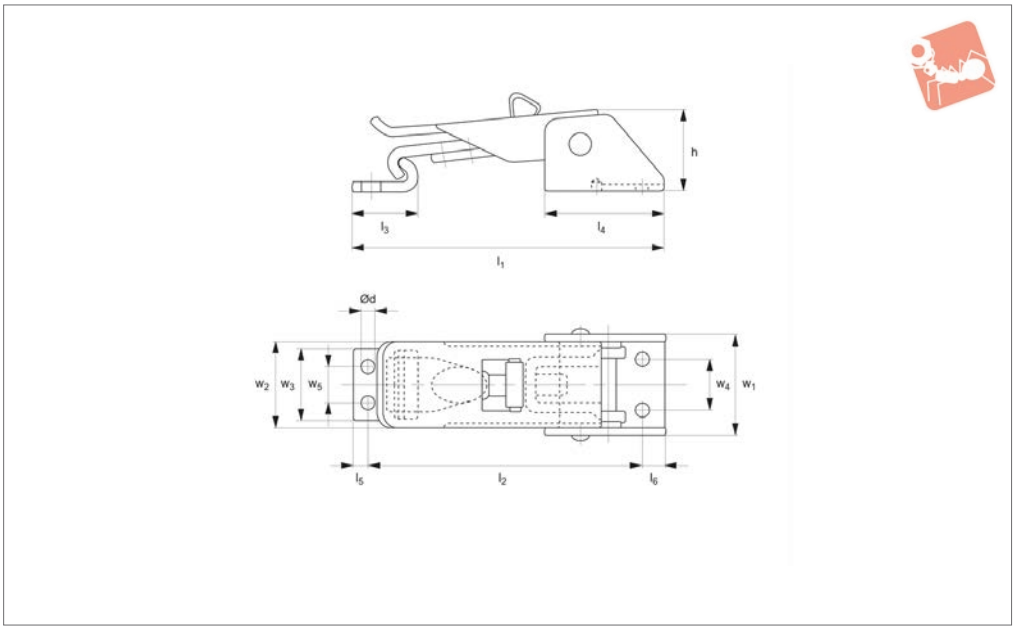
Material
Housing, Handle and Strike: die cast zinc, black powder coated.

Pins: stainless steel.
Supplied with: Keys and counter strike.
Not supplied: Fixing screws.

Order No.	Type	l_1	w	h_1
J0660.AW0010	With Lock	127	18	31.5
J0660.AW0020	Blank - W/o Lock	127	18	31.5

Toggle Latches
adjustable with secondary lock

J0582



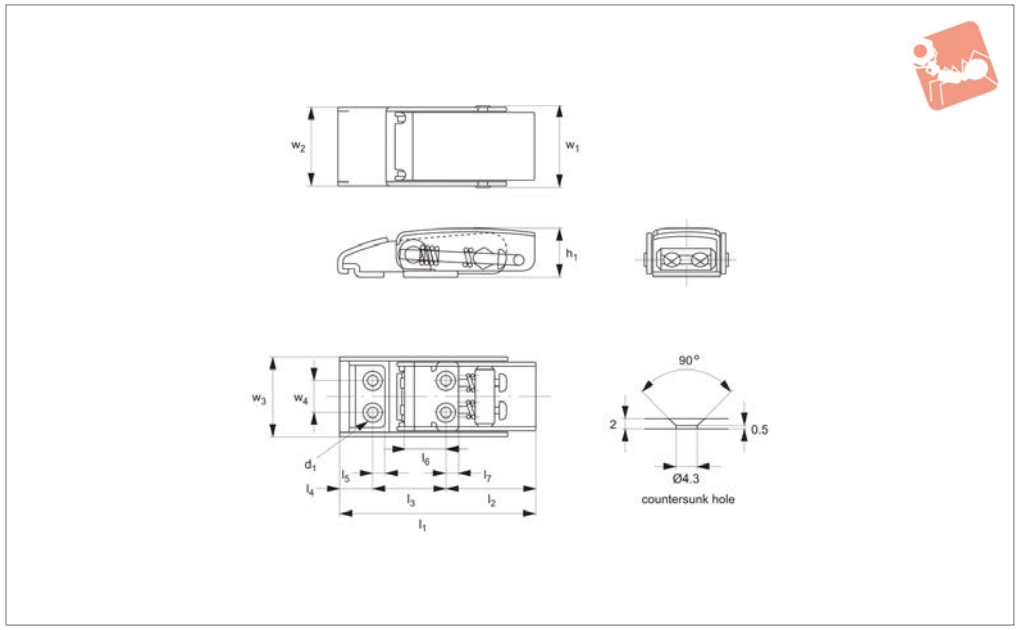
Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Supplied with counter strike.

Draw length adjustable through turns of threaded draw rod, giving 12mm length of adjustment.

Order No.	Finish	l_1	h	w_1	Ø d	l_2	l_3	l_4	Weight g
J0582.AC0004	Zinc Plated Steel	82-94	22	27	3.6	72 to 84	17.5	33	90

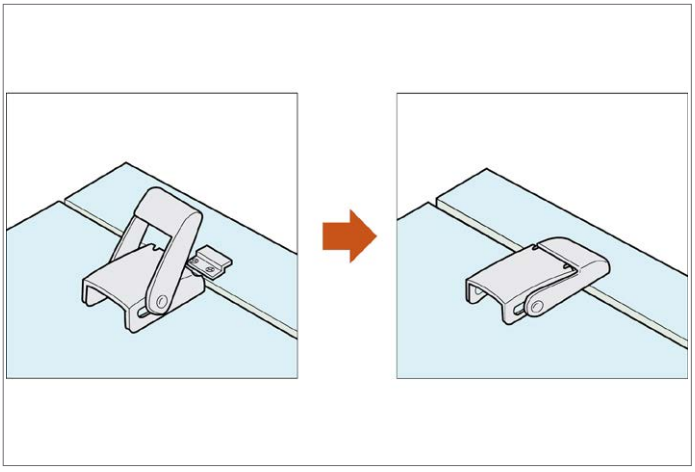
Order No.	l_5	l_6	w_2	w_3	w_4	w_5	Load N max.	Tension N max.
J0582.AC0004	4	6	24	19	14	10	1000	2000



J0300

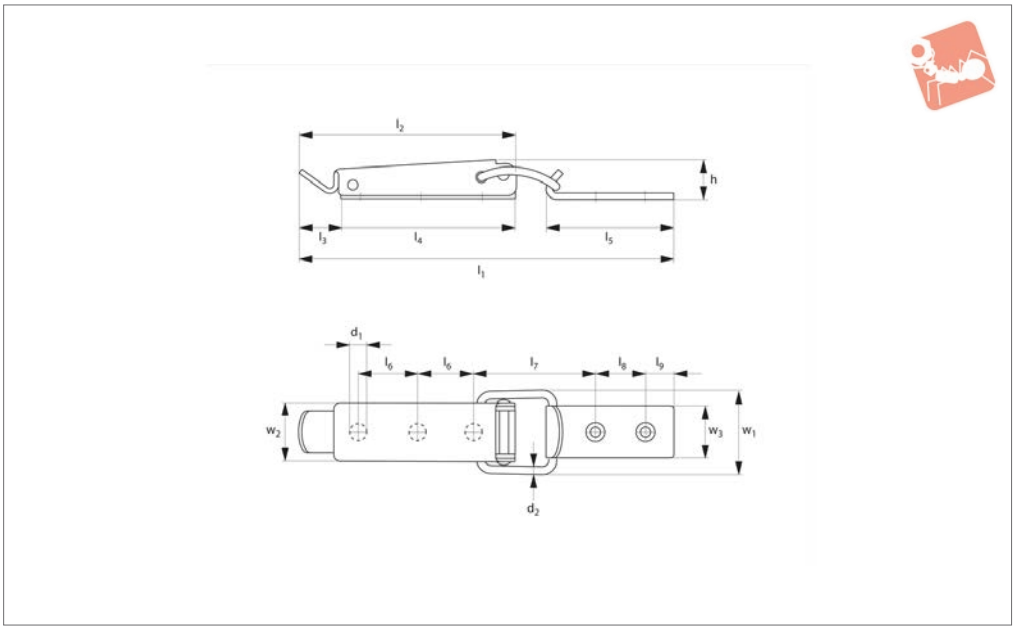
Material
All parts from stainless steel, AISI 304,
satin finish. Fixing screws not included.

Order No.	l_1	h_1	w_1	Ø d_1	Load capacity kg	l_2	l_3	l_4	l_5	l_6	l_7	w_2	w_3	w_4 ±0.2	Weight g
J0300.AC0030	80	19.5	33	4.3	80	36.5	30	13.5	5	17	5	32	25	13	110



Toggle Latches
stainless steel

J0400

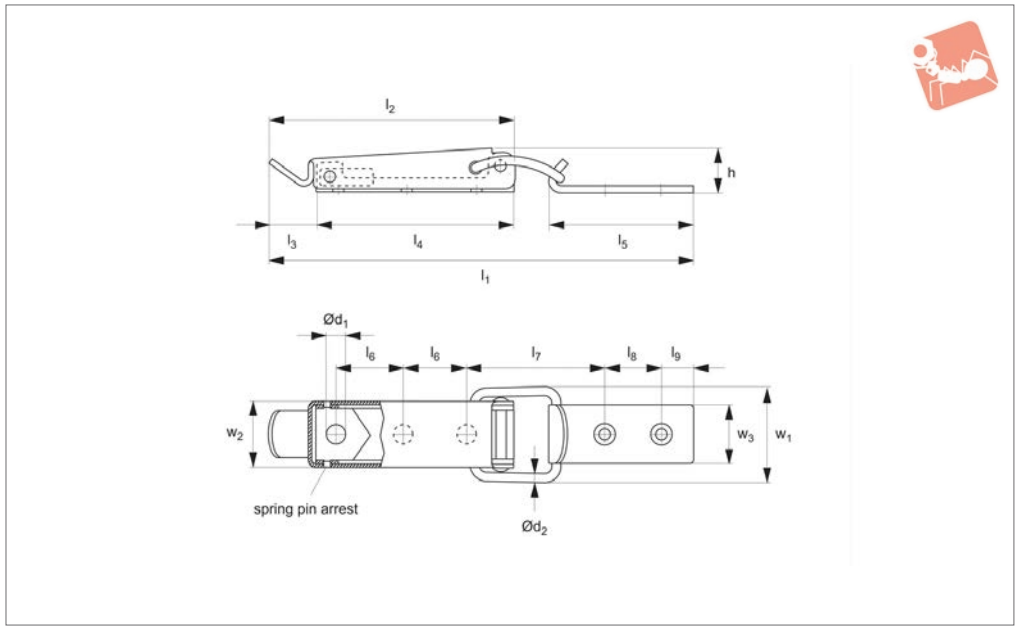


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1 ±0.5	h ±0.5	Ø d_1	Ø d_2	l_2	l_3	l_4 ±0.5	Weight g
J0400.AC0004	Zinc Plated Steel	193.5	43	19	5.3	4	112	21.5	90	190
J0400.AC0030	Stainless Steel	193.5	43	19	5.3	4	112	21.5	90	190

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2 ±0.5	w_3	Load N max.	Tension N max.
J0400.AC0004	66	31.5	58.5	25.5	15	30	27	2000	4000
J0400.AC0030	66	31.5	58.5	25.5	15	30	27	2000	4000



J0426

Material
Steel, Fe P02 + P12, UNI5866, zinc plated. Or stainless steel AISI 304, UNI x5crNi.

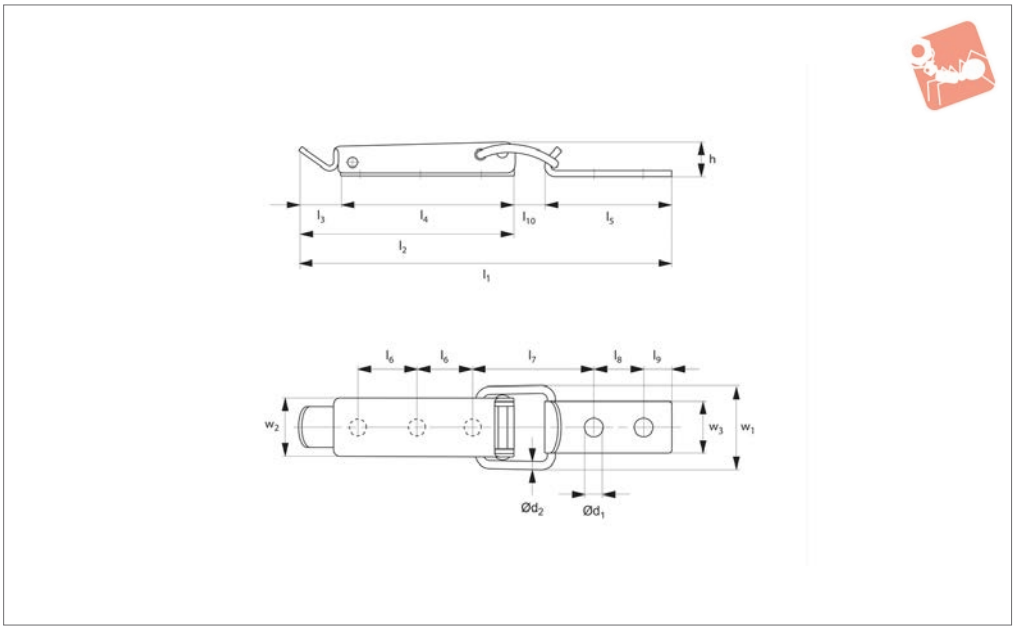
Technical Notes
Supplied with counter strike. Features a spring pin locking system, pin must be depressed for the toggle latch to be released.

Order No.	Finish	l_1	w_1 ±0.5	h ±0.5	Ø d_1	Ø d_2	l_2	l_3	l_4 ±0.5	Weight g
J0426.AC0004	Zinc Plated Steel	193.5	43	19	5.3	4	112	21.5	90	190
J0426.AC0030	Stainless Steel	193.5	43	19	5.3	4	112	21.5	90	190

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2 ±0.5	w_3	Load N max.	Tension N max.
J0426.AC0004	66	31.5	58.5	25.5	15	30	27	2000	4000
J0426.AC0030	66	31.5	58.5	25.5	15	30	27	2000	4000

Toggle Latches
stainless steel

J0428

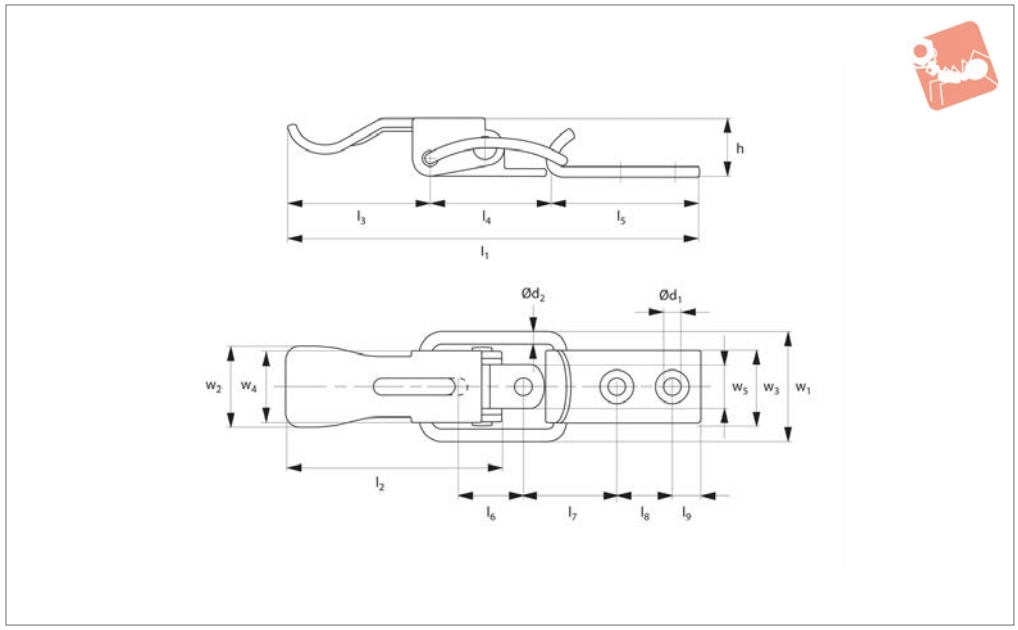


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d_1	Ø d_2	l_2	l_{10}	l_3	l_4	Weight g
J0428.AC0004	Zinc Plated Steel	140.5	34	12.5	4.1	3	86	11.5	16	70	75
J0428.AC0030	Stainless Steel	140.5	34	12.5	4.1	3	86	11.5	16	70	75

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2	w_3	Load N max.	Tension N max.
J0428.AC0004	43	22.5	38	20	8	23	19	1500	3000
J0428.AC0030	43	22.5	38	20	8	23	19	1500	3000



J0434

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

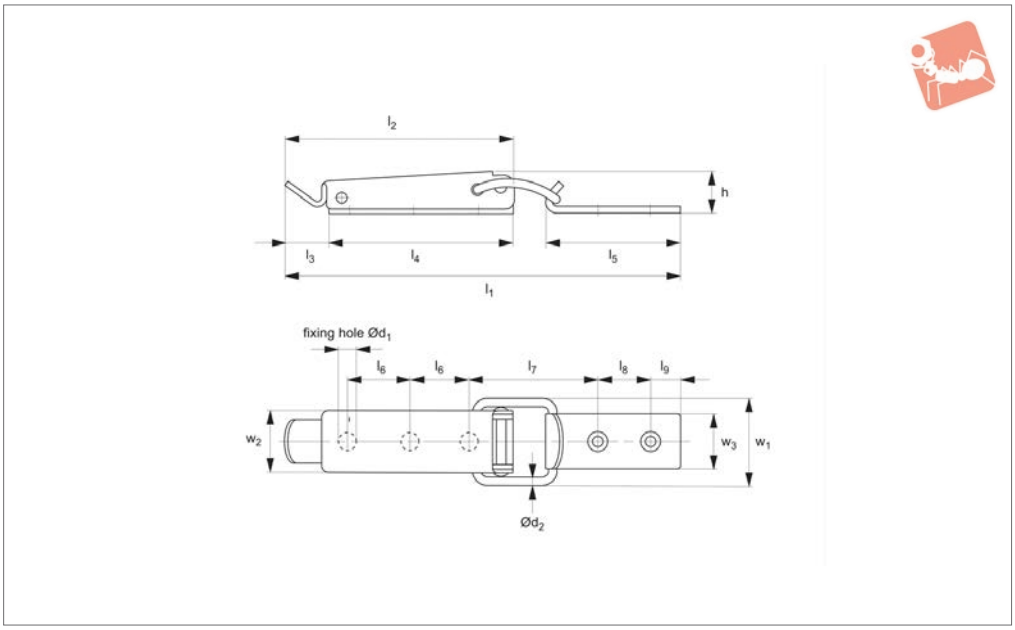
Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d_1	Ø d_2	l_2	l_3	l_4	l_5	Weight g
J0434.AC0004	Zinc plated steel	76.5	21	10.7	3.2	2	39.5	25	22	28	15
J0434.AC0030	Stainless steel	76.5	21	10.7	3.2	2	39.5	25	22	28	15

Order No.	l_6	l_7	l_8	l_9	w_2	w_3	w_4	w_5	Load N max.	Tension N max.
J0434.AC0004	15	18	10	5	15	13	12.9	8	400	1000
J0434.AC0030	15	18	10	5	15	13	12.9	8	400	1000

Toggle Latches
stainless steel

J0440

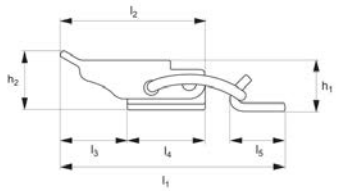


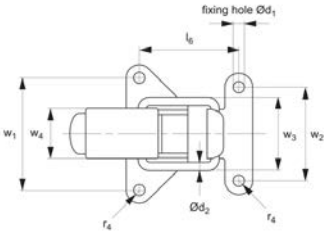
Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d_1	d_2	l_2	l_3	l_4	Weight g
J0440.AC0004	Zinc Plated Steel	102	23	11	3.2	2	60	16	44	30
J0440.AC0030	Stainless Steel	102	23	11	3.2	2	60	16	44	30

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2	w_3	Load N max.	Tension N max.
J0440.AC0004	30	12.5	34.5	12	5	16.4	13	550	1300
J0440.AC0030	30	12.5	34.5	12	5	16.4	13	350	1000





J0480

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

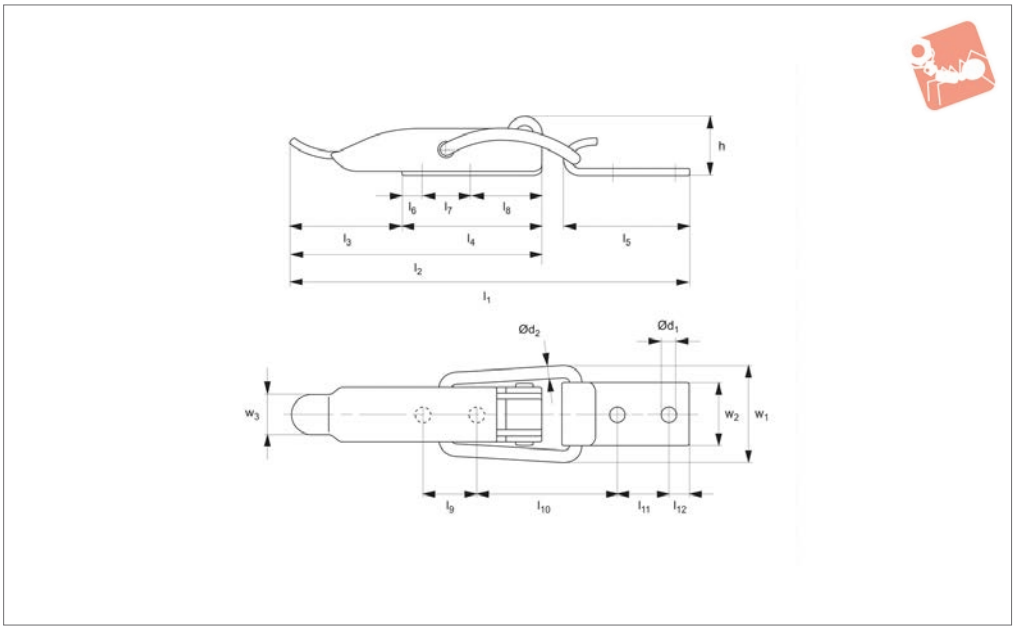
Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	l_2	h_2 ±0.5	Weight g
J0480.AC0004	Zinc Plated Steel	52	11	33	3.5	2	34	12	20
J0480.AC0030	Stainless Steel	52	11	33	3.5	2	34	12	20

Order No.	l_3	l_4	l_5	l_6 ±0.5	w_2	w_3 -1|0	w_4	Load N max.	Tension N max.
J0480.AC0004	16	18	13	28.5	28	23	15	550	1500
J0480.AC0030	16	18	13	28.5	28	23	15	550	1500

Toggle Latches
stainless steel

J0550

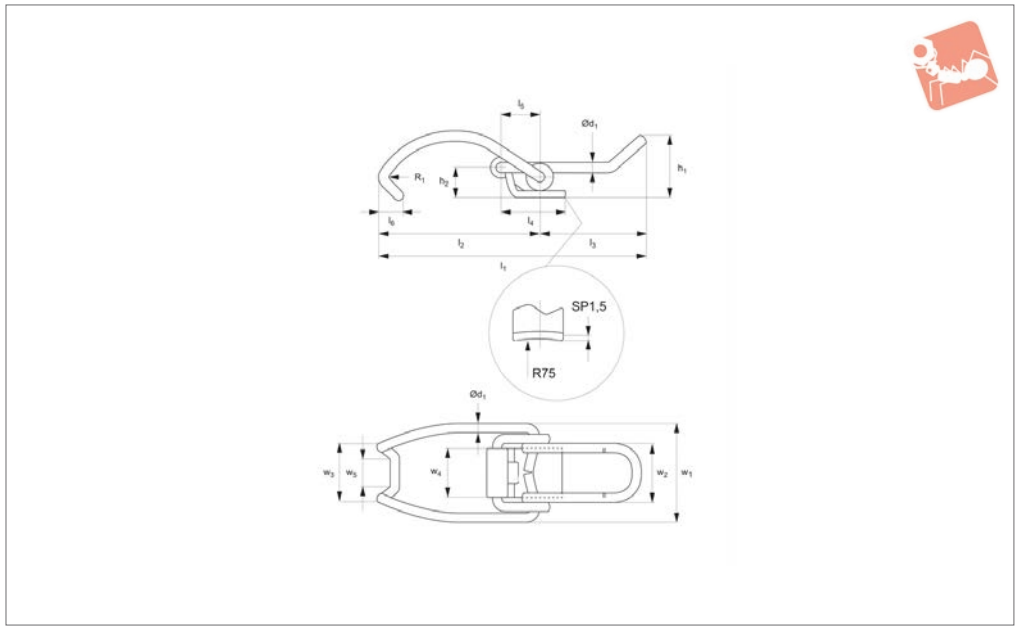


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d_1	Ø d_2	l_2	l_{10} +0.5	l_{11}	l_{12}	Weight g
J0550.AC0004	Zinc Planted Steel	114	28	17	4.1	3	72	40.5	15	5	50
J0550.AC0030	Stainless Steel	114	28	17	4.1	3	72	40.5	15	5	50

Order No.	l_3	l_4	l_5	l_6	l_7	l_8	l_9 ±0.5	w_2	w_3	Load N max.	Tension N max.
J0550.AC0004	31	41	36	7	15.5	18.5	15.5	19	12	1000	2500
J0550.AC0030	31	41	36	7	15.5	18.5	15.5	19	12	1000	2500



J0554

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Counter strike not supplied.

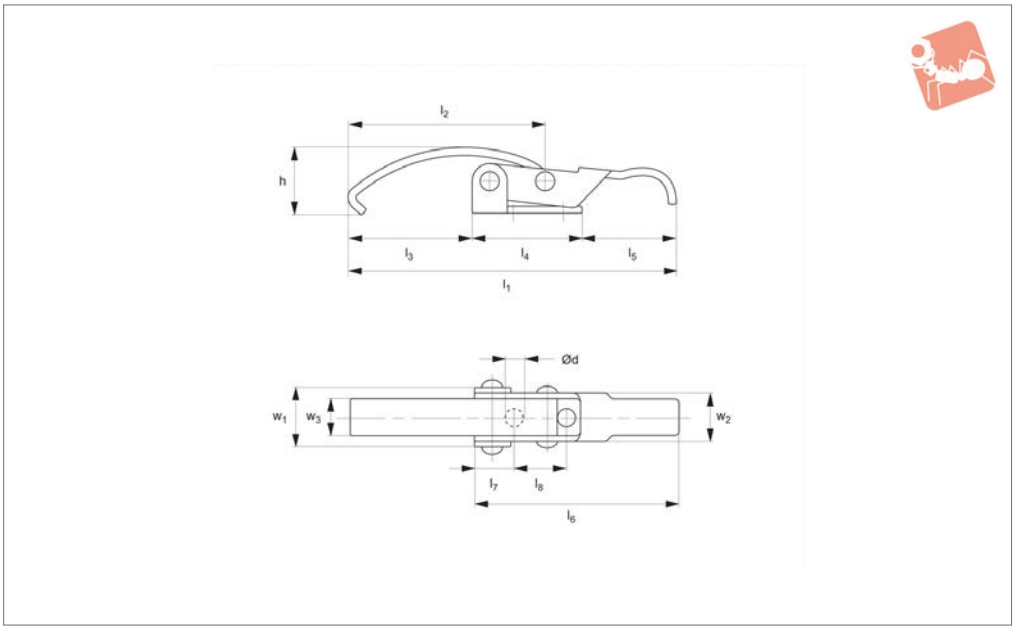
Order No.	Finish	l_1	h_1	w_1 0|-1	Ø d_1	l_2	h_2	l_3	Weight g
J0554.AC0004	Zinc Plated Steel	81	18	30	2.5	49	9	32	18

Order No.	l_4	l_5 ±0.1	l_6	w_2	w_3	w_4	w_5	Load N max.	Tension N max.
J0554.AC0004	20	12	7	18	17	15	8.8	300	600

Toggle Latches

spring clip, stainless steel

J0556

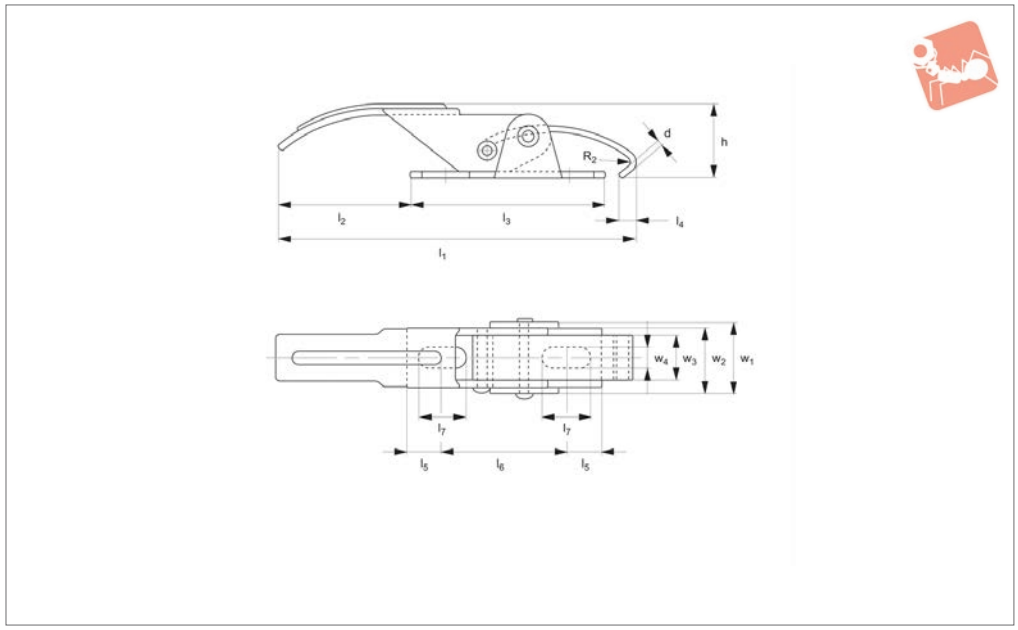


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI304, UNI x5crNi.

Technical Notes
Counter strike not supplied.

Order No.	Finish	l_1	w_1	h	Ø d	l_2	l_3	l_4	Weight g
J0556.AC0004	Zinc Plated Steel	90	17	17	5	54	34	30	30
J0556.AC0030	Stainless Steel	90	17	17	5	54	34	30	30

Order No.	l_5	l_6	l_7	l_8	w_2	w_3	Load N max.	Tension N max.
J0556.AC0004	26	56	11	14	13.5	10	500	900
J0556.AC0030	26	56	11	14	13.5	10	500	900



J0558

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

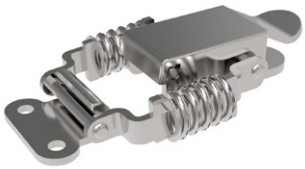
Technical Notes
Counter strike not supplied.

Order No.	Finish	l_1	w_1	h	d	l_2	l_3	l_4	Weight g
J0558.AC0004	Zinc Plated Steel	128.5	26	27	1.5	47.5	70	6.5	100

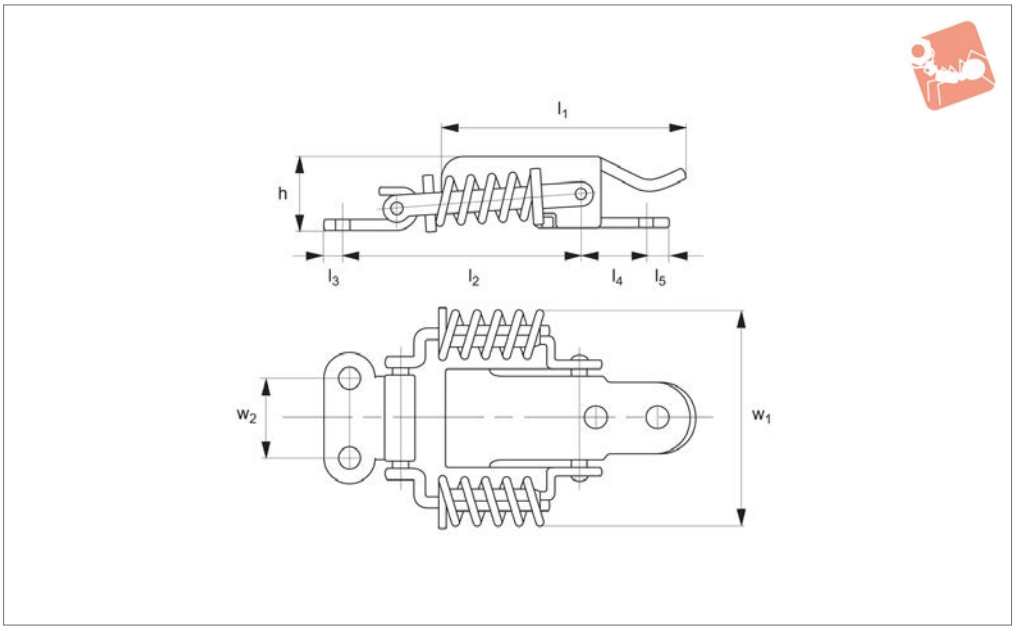
Order No.	l_5	l_6	l_7	w_2	w_3	w_4	Load N max.	Tension N max.
J0558.AC0004	12.5	45	17	22	16	7	750	1500

Toggle Latches

with tension springs, stainless steel



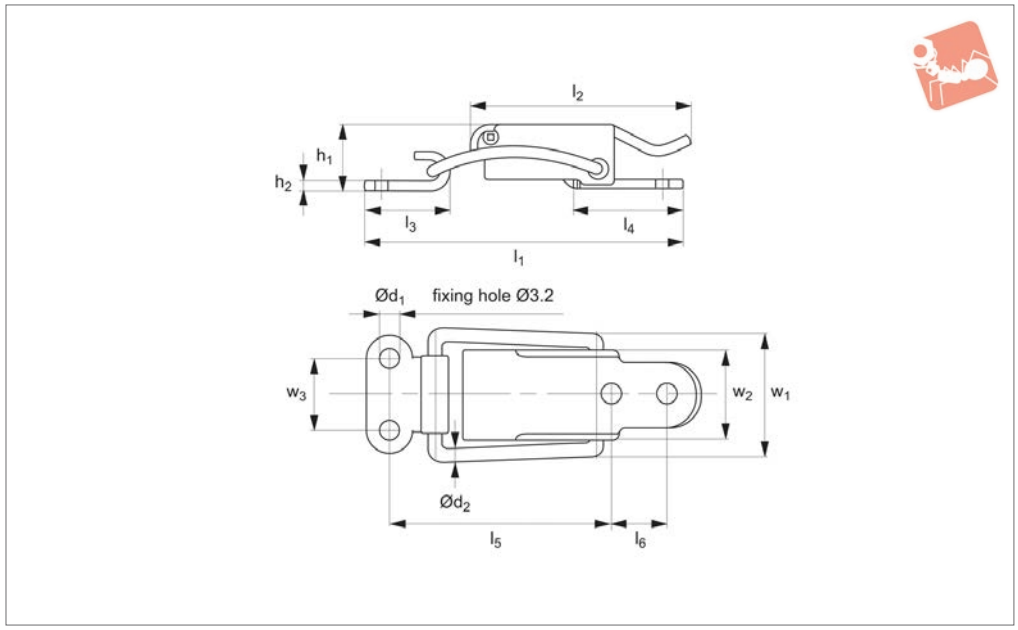
J0620



Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d_1	l_2	l_3	l_4	l_5	w_2	w_3	Load N max.	Tension N max.	Weight g
J0620.AC0008	Zinc Plated	60 to 63	37	12.5	3.2	38 to 41	4	10	5.5	14	15	500	1500	35
J0620.AC0030	Stainless Steel	60 to 63	37	12.5	3.2	38 to 41	4	10	5.5	14	15	500	1500	35



J0640

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

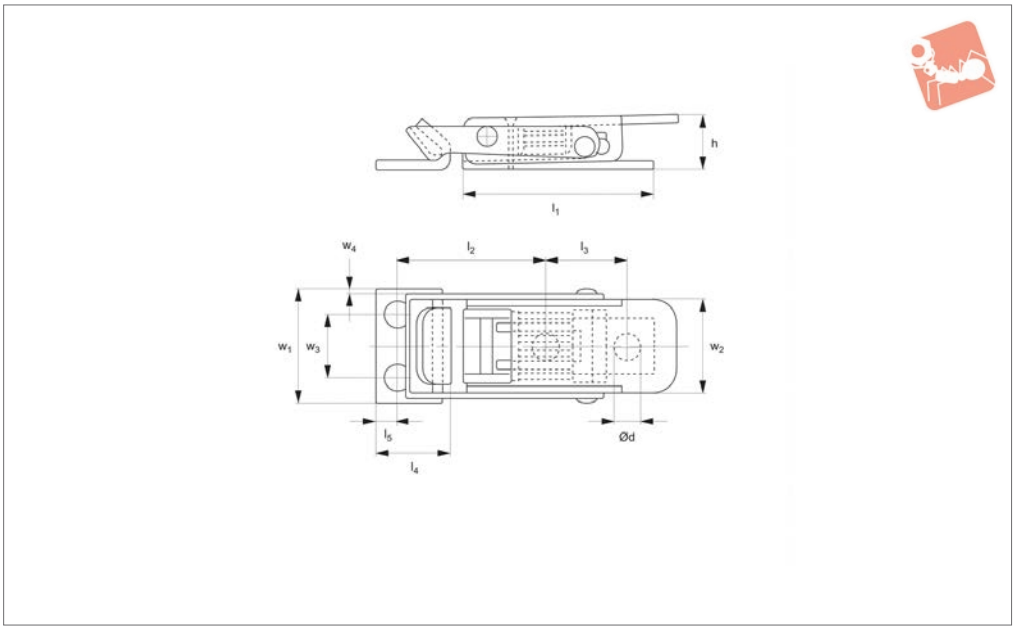
Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	l_2	h_2	Weight g
J0640.AC0008	Zinc Plated	55	12	23	3.2	2	40	1.5	20
J0640.AC0030	Stainless Steel	55	12	23	3.2	2	40	1.5	20

Order No.	l_3	l_4	l_5 ±0.3	l_6	w_2	w_3	Load N max.	Tension N max.
J0640.AC0008	15	21	35	10	15	14	550	1000
J0640.AC0030	15	21	35	10	15	14	550	1000

Toggle Latches
with tension springs

J0642

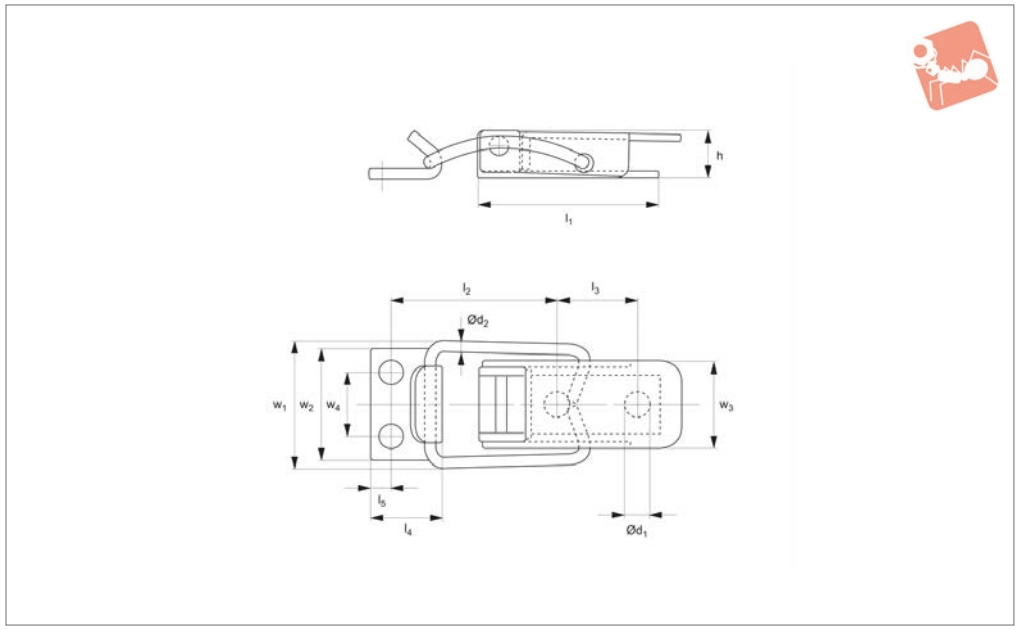


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	w_1	h	Ø d	l_2 ±0.3	Weight g
J0642.AC0008	Zinc plated	23	14	6.5	3.2	18	15

Order No.	l_3	l_4	l_5	w_2	w_3	w_4	Load N max.	Tension N max.
J0642.AC0008	10	9	2.5	11.2	8	0.6	150	300



J0644

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.

Technical Notes
Supplied with counter strike.

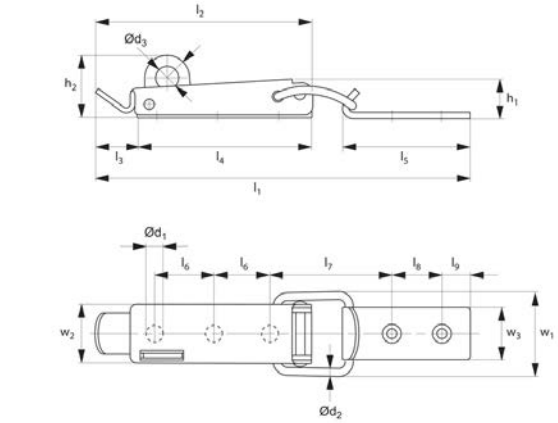
Order No.	Finish	l_1	w_1	h	Ø d_1	Ø d_2	l_2 ±0.3	Weight g
J0644.AC0008	Zinc Plated	23	16	6	3.2	1.4	21.5	15

Order No.	l_3	l_4	l_5	w_2	w_3	w_4	Load N max.	Tension N max.
J0644.AC0008	10	9	2.5	14	11.2	8	150	300

Toggle Latches

with padlock shackle, stainless steel

J0420

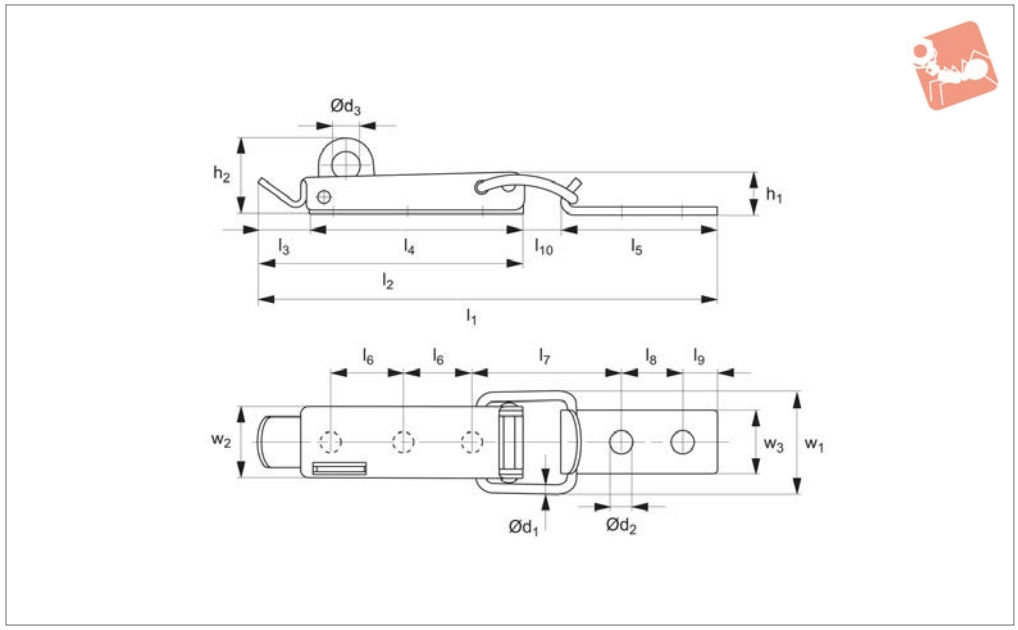


Material
Steel, Fe P02 + P12, UNI5866, Zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h_1 ±0.5	w_1 ±0.5	Ø d_1	Ø d_2	Ø d_3	h_2	h_3	l_2	Weight g
J0420.AC0004	Zinc Plated Steel	193.5	19	43	5.3	4	11	30.5	20.5	112	190
J0420.AC0030	Stainless Steel	193.5	19	43	5.3	4	11	30.5	20.5	112	190

Order No.	l_3	l_4 ±0.5	l_5	l_6	l_7 ±0.5	l_8	l_9	l_{10} ±0.5	w_2 ±0.5	w_3	l_{11}	Load N max.	Tension N max.
J0420.AC0004	21.5	90	66	31.5	58.5	25.5	15	23.5	30	27	82.5	2000	4000
J0420.AC0030	21.5	90	66	31.5	58.5	25.5	15	23.5	30	27	82.5	2000	4000



J0430

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

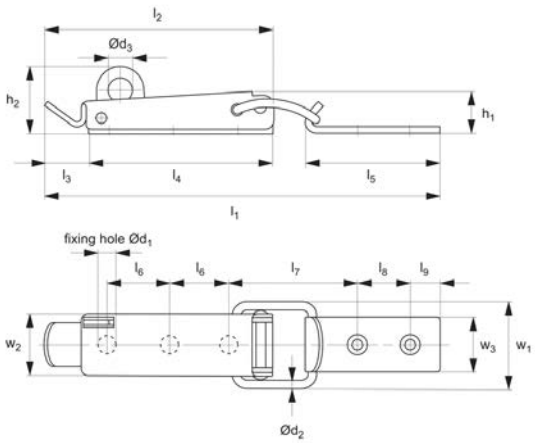
Technical Notes
Supplied with counter strike. Use a padlock of 7mm dia. or less.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	Ø d_3	h_2	l_2	l_3	Weight g
J0430.AC0004	Zinc Plated Steel	140.5	12.5	34	3	4.1	7	20	86	16	80
J0430.AC0030	Stainless Steel	140.5	12.5	34	3	4.1	7	20	86	16	80

Order No.	l_4	l_5	l_6	l_7 ±0.5	l_8	l_9	l_{10}	w_2	w_3	Load N max.	Tension N max.
J0430.AC0004	70	43	22.5	38	20	8	11.5	23	19	1500	3000
J0430.AC0030	70	43	22.5	38	20	8	11.5	23	19	1500	3000

Toggle Latches
with padlock shackle, stainless steel

J0460

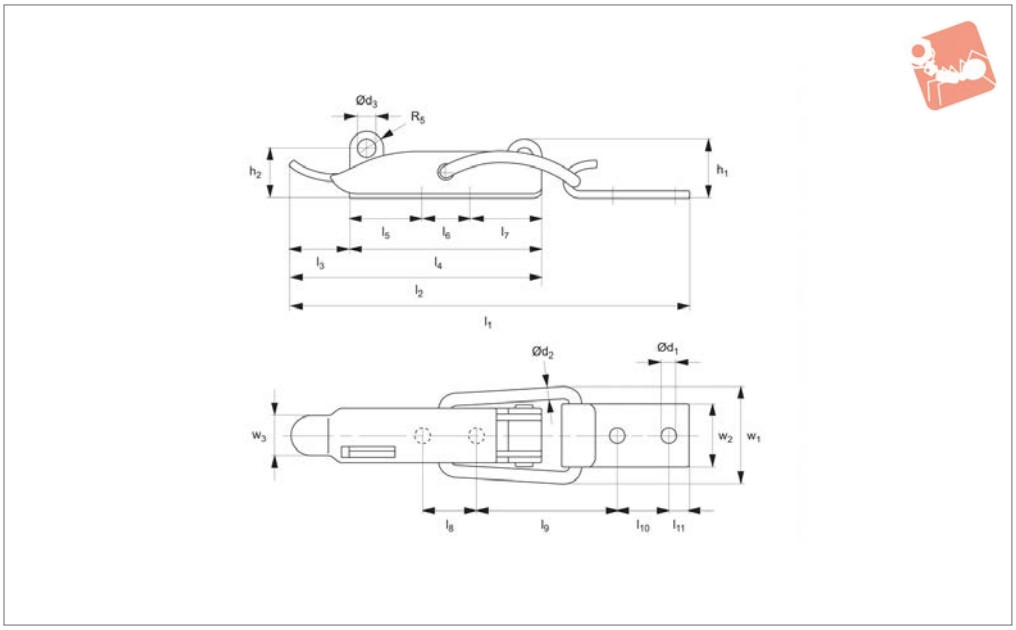


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	Ø d_3	h_2	l_2	l_3	Weight g
J0460.AC0004	Zinc Plated Steel	102	11	23	3.2	2	4	15.5	60	16	30
J0460.AC0030	Stainless Steel	102	11	23	3.2	2	4	15.5	60	16	30

Order No.	l_4	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2	w_3	Load N max.	Tension N max.
J0460.AC0004	44	30	12.5	34.5	12	5	16.4	13	550	1300
J0460.AC0030	44	30	12.5	34.5	12	5	16.4	13	350	1000



J0552

Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI304, UNI x5crNi.

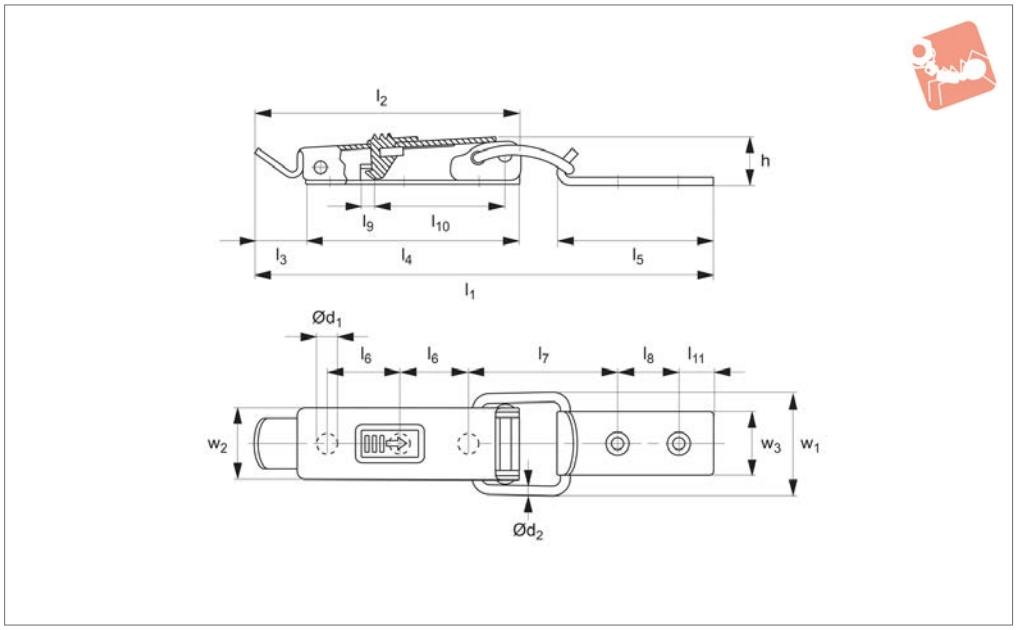
Technical Notes
Supplied with counter strike. Use a padlock of 5,5mm dia. or less.

Order No.	Finish	l_1	h_1	w_1	Ø d_1	Ø d_2	Ø d_3	h_2	l_2	l_3	l_4	Weight g
J0552.AC0004	Zinc Plated Steel	114	17	28	4.1	3	5.5	14	72	17	55	55
J0552.AC0030	Stainless Steel	114	17	28	4.1	3	5.5	14	72	17	55	55

Order No.	l_5	l_6	l_7	l_8	l_9 ±0.5	l_{10}	w_2	w_3	l_{11}	Load N max.	Tension N max.
J0552.AC0004	21	15.5	18.7	15.5	40.5	15	19	12	5	1000	2500
J0552.AC0030	21	15.5	18.7	15.5	40.5	15	19	12	5	1000	2500

Toggle Latches
with secondary lock, stainless steel

J0422

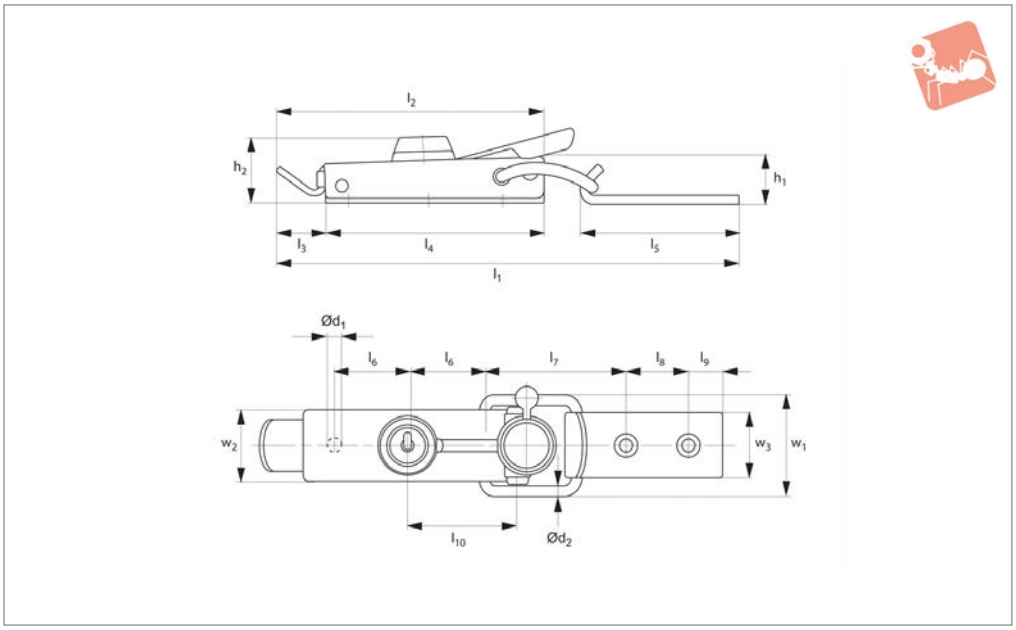


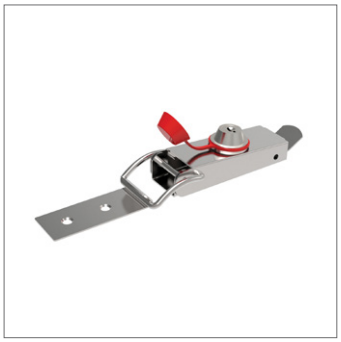
Material
Stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h ±0.5	w_1 ±0.5	Ø d_1	Ø d_2	l_2	l_3	l_4 ±0.5	l_5	Weight g
J0422.AC0030	Stainless Steel	193.5	19	43	5.3	4	112	21.5	90	66	190

Order No.	l_6	l_7 ±0.5	l_8	l_9	l_{10}	w_2 ±0.5	l_{11} l_1	w_3	Load N max.	Tension N max.
J0422.AC0030	31.5	58.5	25.5	4	55	30	15	27	2000	4000





J0424

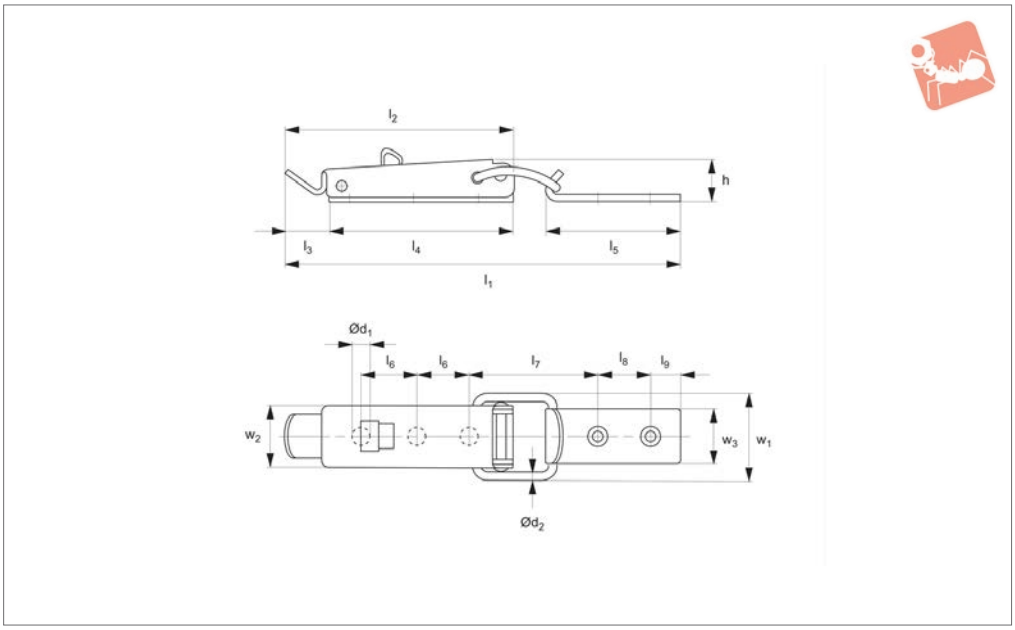
Material
Draw hook and pin in stainless steel, body steel.

Order No.	Finish	l_1	h_1 ±0.5	w_1 ±0.5	Ø d_1	Ø d_2	l_2	h_2 ±0.5	l_3	l_4 ±0.5	Weight g
J0424.AC0030	Delta Zinc Plated	193.5	19	43	5.3	4	112	27.5	21.5	90	190

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	l_{10} ±0.5	w_2 ±0.5	w_3	Load N max.	Tension N max.
J0424.AC0030	66	31.5	58.5	25.5	15	44	30	27	2000	4000

Toggle Latches
with secondary lock, stainless steel

J0462

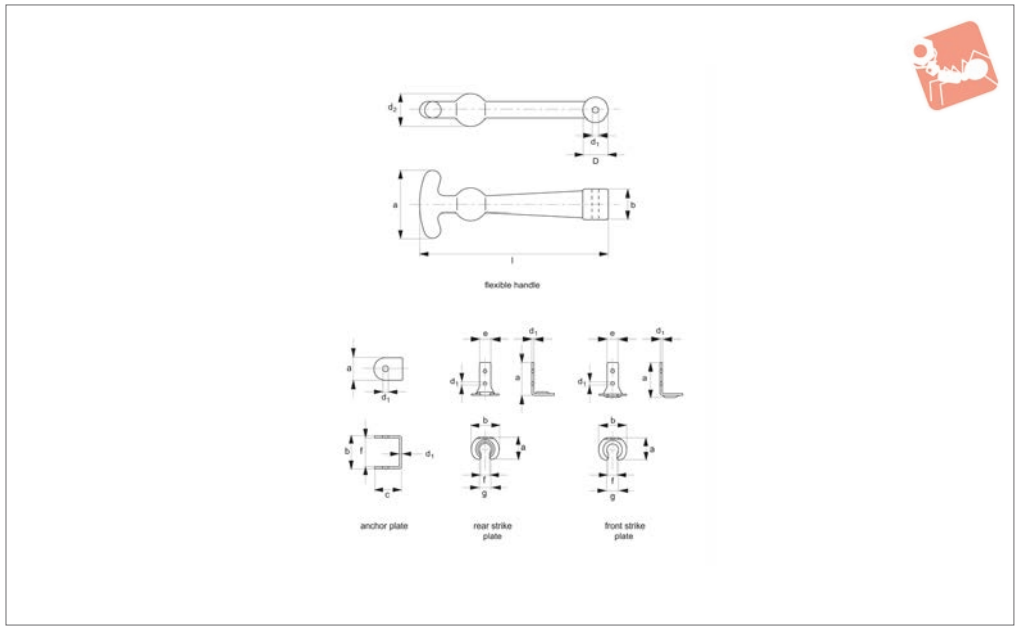


Material
Steel, Fe P02 + P12, UNI5866, zinc plated.
Or stainless steel AISI 304, UNI x5crNi.

Technical Notes
Supplied with counter strike.

Order No.	Finish	l_1	h	w_1	Ø d_1	Ø d_2	l_2	l_3	l_4	Weight g
J0462.AC0004	Zinc Plated Steel	102	11	23	3.2	2	60	16	44	30
J0462.AC0030	Stainless Steel	102	11	23	3.2	2	60	16	44	30

Order No.	l_5	l_6	l_7 ±0.5	l_8	l_9	w_2	w_3	Load N max.	Tension N max.
J0462.AC0004	30	12.5	34.5	12	5	16.4	13	550	1300
J0462.AC0030	30	12.5	34.5	12	5	16.4	13	350	1000



J0710

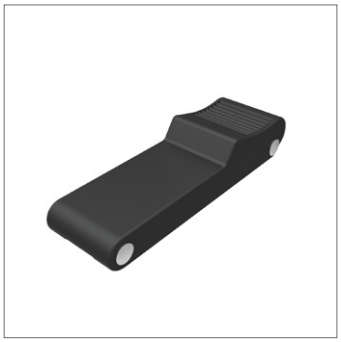
Material
Handle: black rubber, 65/70 shore hardness.
Anchor Plate and Strike Plate: steel, zinc plated.
Supplied with cotter pin for assembly.

Technical Notes
Flexible handle J0710.AC0148 supplied with split cotter pin 3.2 dia x 55 long for mounting onto anchor plate.

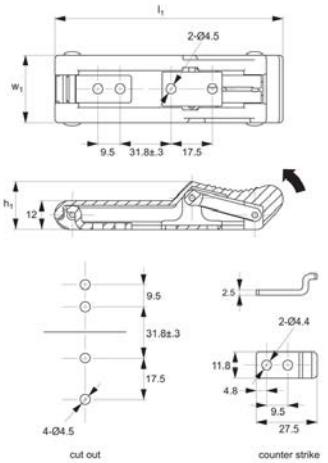
Important Notes
Please order anchor plate and strike plate separately, to best suit your application. Front strike plate is mounted underneath the flexible handle. Rear strike plate is mounted away from the flexible handle.

Order No.	Type	l	a	b	Ø d_1	Ø d_2	Ø d_3	c	e	f	g
J0710.AC0148	Flexible Handle	148	53	24	20	26	4	-	-	-	-
J0710.AC0010	Anchor Plate	-	20	30	2	-	5	25	-	26	-
J0710.AC0020	Rear Strike Plate	-	32	40	2	-	4	50	16	15	18
J0710.AC0022	Front Strike Plate	-	32	38	2	-	4	44	16	15	18

Soft Draw Latches
rubber



J0712

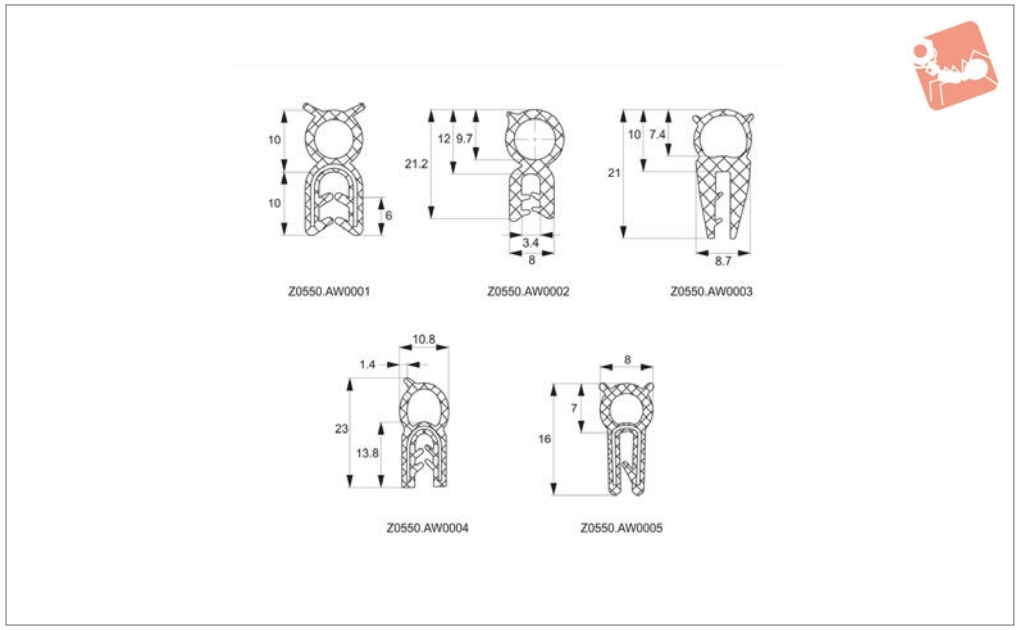


Material
Handle: rubber, black.
Counter strike and bracket: stainless steel.

Not supplied: fixing screws.

Tips
Flexible rubber allows latch to stretch over catch. Pull back and down to lock.

Order No.	l_1	w_1	h_1
J0712.AW0010	96.5	29	20



Z0550

Material
EPDM, black.

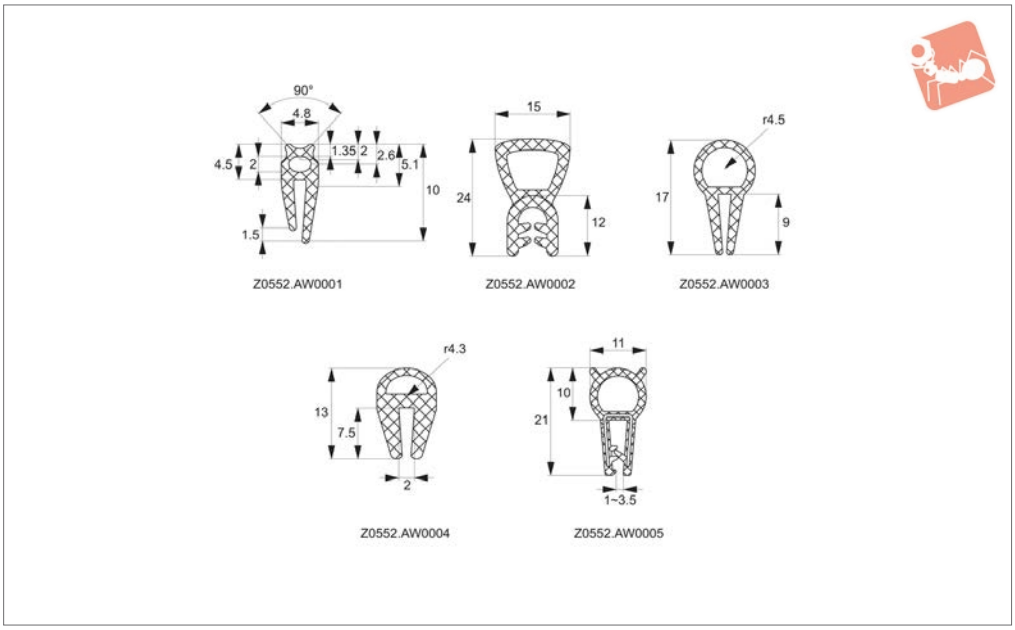
Technical Notes
Supplied in 10m lengths as standard.

Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Grip range mm	Standard length m
Z0550.AW0001	EPDM	Black	1,0-2,0	10
Z0550.AW0002	EPDM	Black	1,0-2,0	10
Z0550.AW0003	EPDM	Black	1,0-2,0	10
Z0550.AW0004	EPDM	Black	1,0-1,5	10
Z0550.AW0005	EPDM	Black	1,0-1,5	10

Z0552



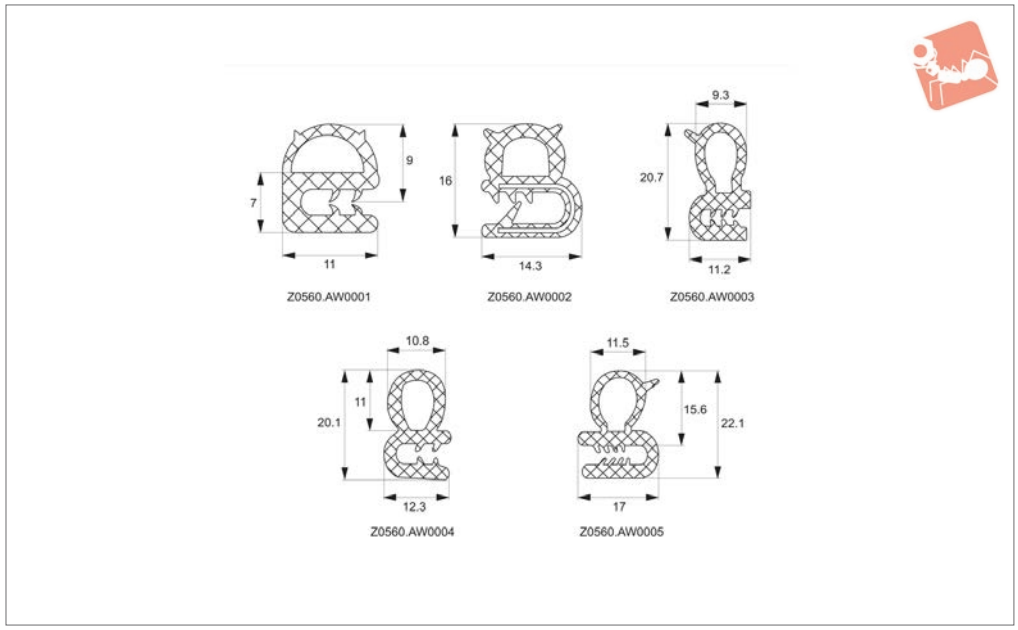
Material
EPDM, black.

Technical Notes
Supplied in 10m lengths as standard.

Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Standard length m
Z0552.AW0001	EPDM	Black	10
Z0552.AW0002	EPDM	Black	10
Z0552.AW0003	EPDM	Black	10
Z0552.AW0004	EPDM	Black	10
Z0552.AW0005	EPDM	Black	10



Z0560

Material
EPDM, black.

Technical Notes
Supplied in 10m lengths as standard.

Larger lengths in multiples of 10m are available on request.

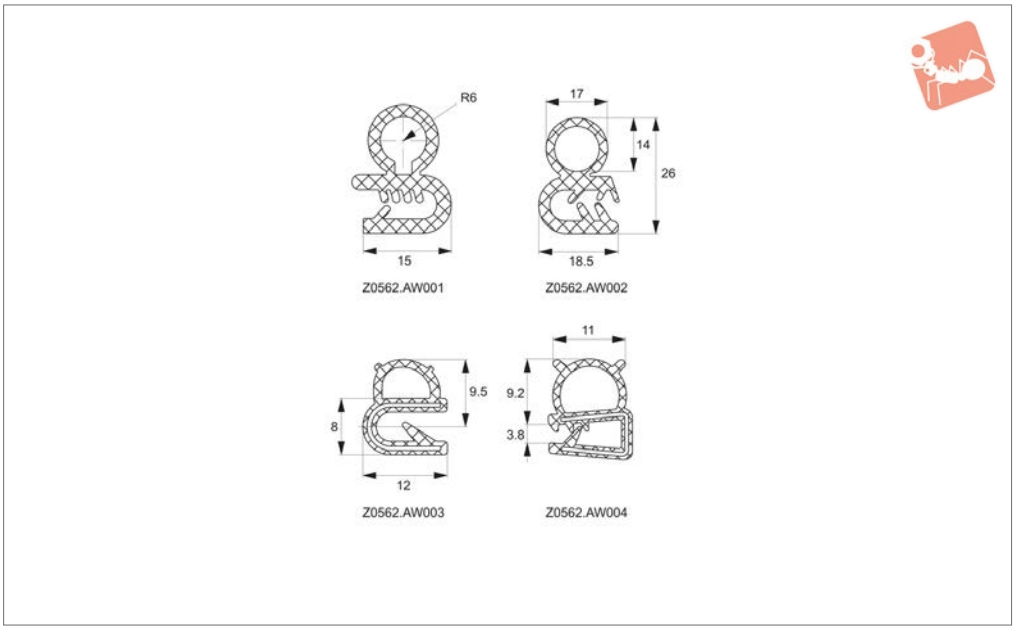
Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Important Notes
Price shown is per metre.

Order No.	Material	Colour	Grip range mm	Standard length m
Z0560.AW0001	EPDM	Black	1,0-2,0	10
Z0560.AW0002	EPDM	Black	1,0-2,0	10
Z0560.AW0003	EPDM	Black	1,0-1,5	10
Z0560.AW0004	EPDM	Black	1,0-2,0	10
Z0560.AW0005	EPDM	Black	1,0-1,5	10

Gasket
EPDM - side bubble

Z0562



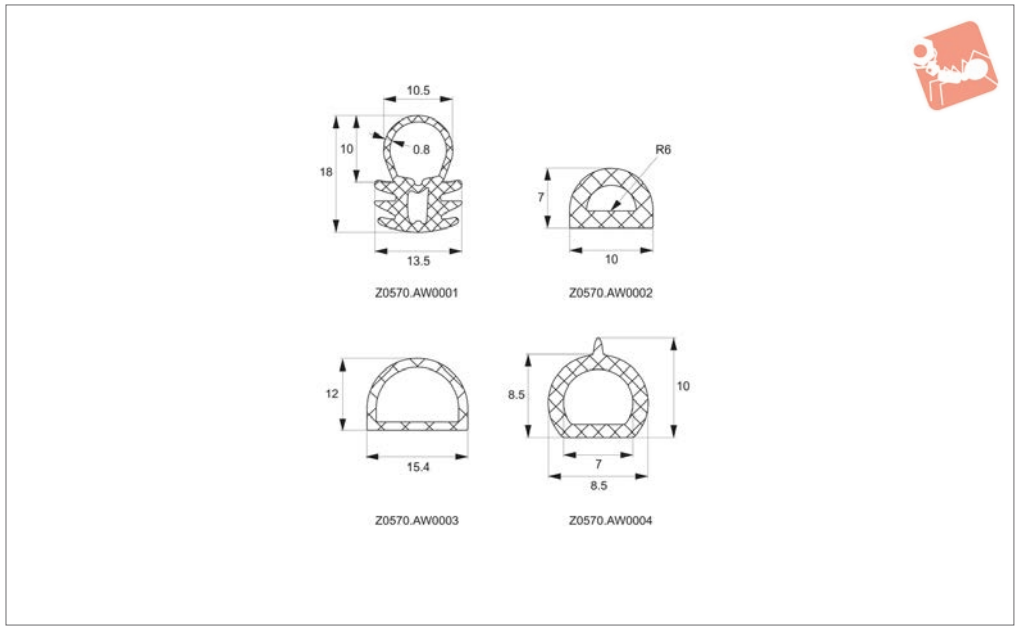
Material
EPDM, black.

Technical Notes
Supplied in 10m lengths as standard.

Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Grip range mm	Standard length m
Z0562.AW0001	EPDM	Black	1,0-2,0	10
Z0562.AW0002	EPDM	Black	1,0-2,0	10
Z0562.AW0003	EPDM	Black	1,0-2,0	10
Z0562.AW0004	EPDM	Black	1,0-3,5	10



Z0570

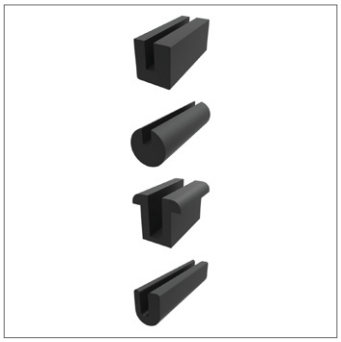
Material
EPDM, black.

Technical Notes
Supplied in 10m lengths as standard.

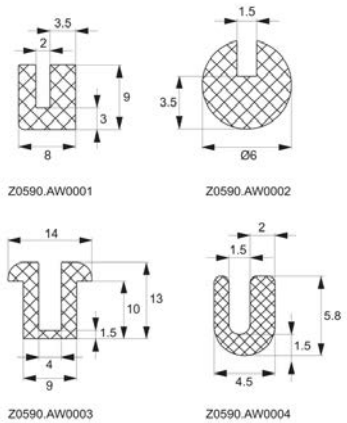
Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Standard length m
Z0570.AW0001	EPDM	Black	10
Z0570.AW0002	EPDM	Black	10
Z0570.AW0003	EPDM	Black	10
Z0570.AW0004	EPDM	Black	10



Z0590



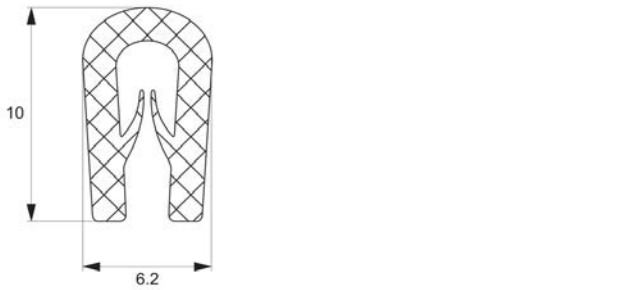
Material
EPDM, black.

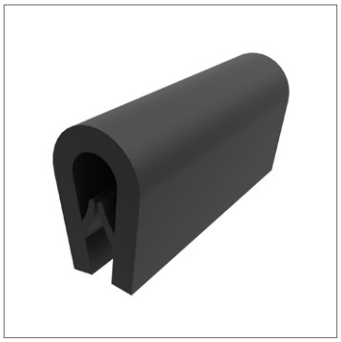
Technical Notes
Supplied in 10m lengths as standard.

Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Standard length m
Z0590.AW0001	EPDM	Black	10
Z0590.AW0002	EPDM	Black	10
Z0590.AW0003	EPDM	Black	10
Z0590.AW0004	EPDM	Black	10





Z1002

Material
EPDM, black.

Technical Notes
Can be supplied in 10m lengths. Larger lengths in multiples of 10m are available on request.

Tips
For properties of EPDM material see information in the plastics and rubbers table in our technical index.

Order No.	Material	Colour	Grip range mm	Standard length m
Z1002.AW0001	EPDM	Black	1,0-2,0	10

Gasketing and Edge Protectors

We offer a wide range of gasketing and edge protection products;

- Self-adhesive foam.
- Edge protection.
- Flipper gaskets.
- Bubble gaskets.

They provide solutions for;

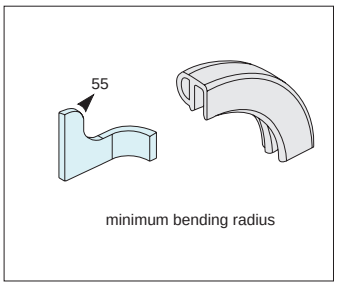
- Cabinet sealing.
- Vibration dampening.
- Edge protection.
- Dust exclusion.

In a wide range of applications;

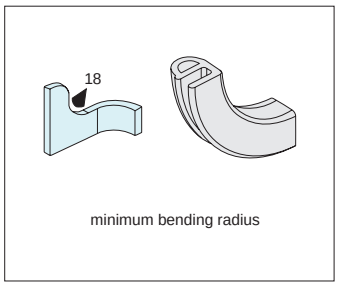
- Electrical cabinet and panel manufacture.
- Generator, compressor and machinery manufacture.
- Heating and ventilation industries.
- Automotive and white goods.
- Furniture industry.

Explanation of minimum bending radius

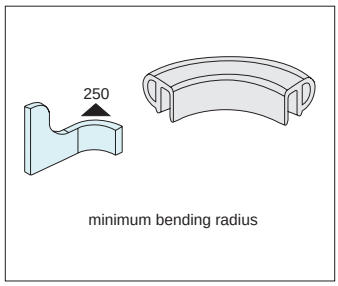
Please refer to individual product tables for specific values.



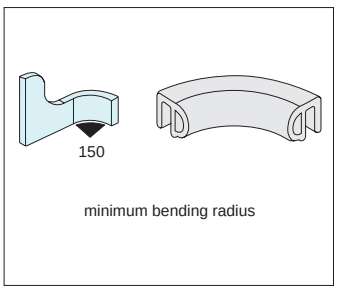
Outer curve



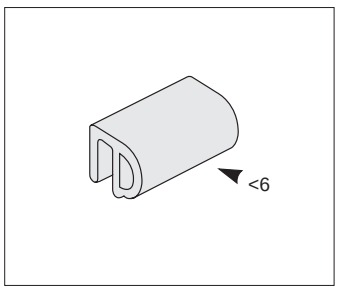
Inner curve



Outer radius



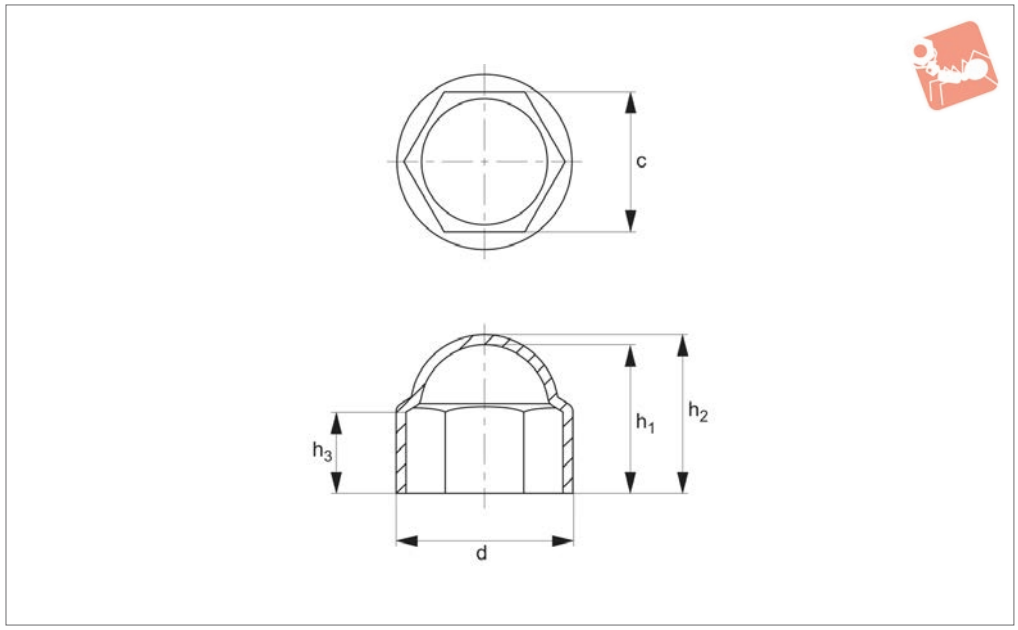
Inner radius

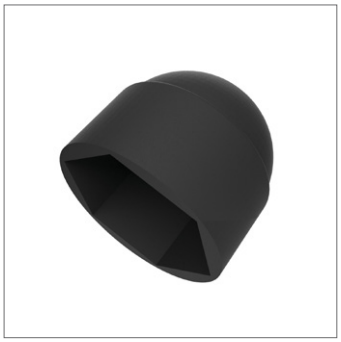


Compression

Wixroyd AN ESSENTRA COMPANY

wixroyd.com





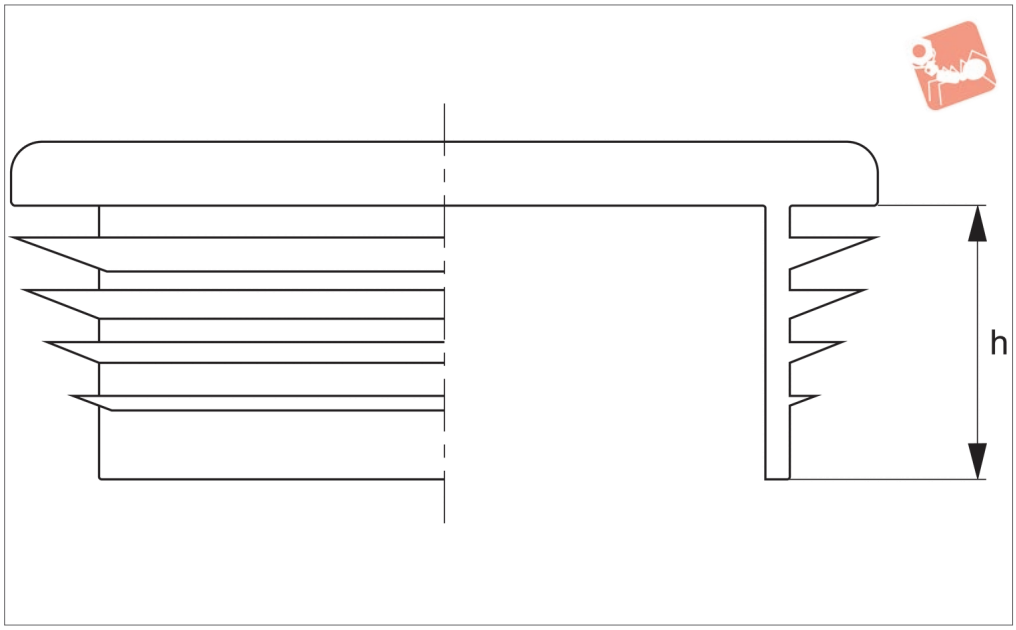
V0700

Material
Polyethylene, black.

Important Notes
Sold subject to minimum pack quantity.

Order No.	Thread	A/F	c	d	h_1	h_2	h_3
V0700.AC0451	M 4	7	6.9	9.0	7.5	8.3	3.5
V0700.AC0453	M 5	8	7.9	10.9	8.5	9.3	5.0
V0700.AC0455	M 6	10	9.8	12.9	12.0	13.0	6.0
V0700.AC0457	M 8	13	12.8	16.8	14.0	15.0	9.0
V0700.AC0459	M10	17	16.7	21.3	18.5	19.5	9.0
V0700.AC0461	M12	19	18.7	23.6	20.0	21.5	11.0
V0700.AC0463	M14	22	21.7	27.5	22.5	24.0	12.0
V0700.AC0465	M16	24	23.7	29.8	25.5	27.0	14.0
V0700.AC0467	M18	27	26.8	34.0	29.0	43.0	15.0
V0700.AC0469	M20	30	29.8	37.7	31.0	33.2	17.0
V0700.AC0471	M22	32	31.8	39.7	34.0	36.2	19.0
V0700.AC0473	M24	36	35.8	44.4	38.0	39.2	20.0
V0700.AC0475	M27	41	40.8	50.1	44.0	46.5	23.0
V0700.AC0477	M30	46	45.8	55.9	49.0	51.5	25.0
V0700.AC0479	M33	50	49.8	60.5	53.0	55.5	27.0
V0700.AC0481	M36	55	54.8	67.0	57.0	59.5	30.0
V0700.AC0483	M39	60	59.7	72.0	60.0	62.5	38.0
V0700.AC0485	M42	65	63.7	76.5	63.0	65.5	42.0
V0700.AC0487	M45	70	69.7	85.5	73.0	75.5	38.0
V0700.AC0489	M48	75	75.0	91.6	78.5	81.0	41.0
V0700.AC0491	M52	80	80.0	98.0	83.4	86.2	43.5
V0700.AC0493	M56	85	85.0	104.2	88.6	91.6	48.0
V0700.AC0495	M64	95	95.0	116.7	102.0	105.5	55.0

V0600

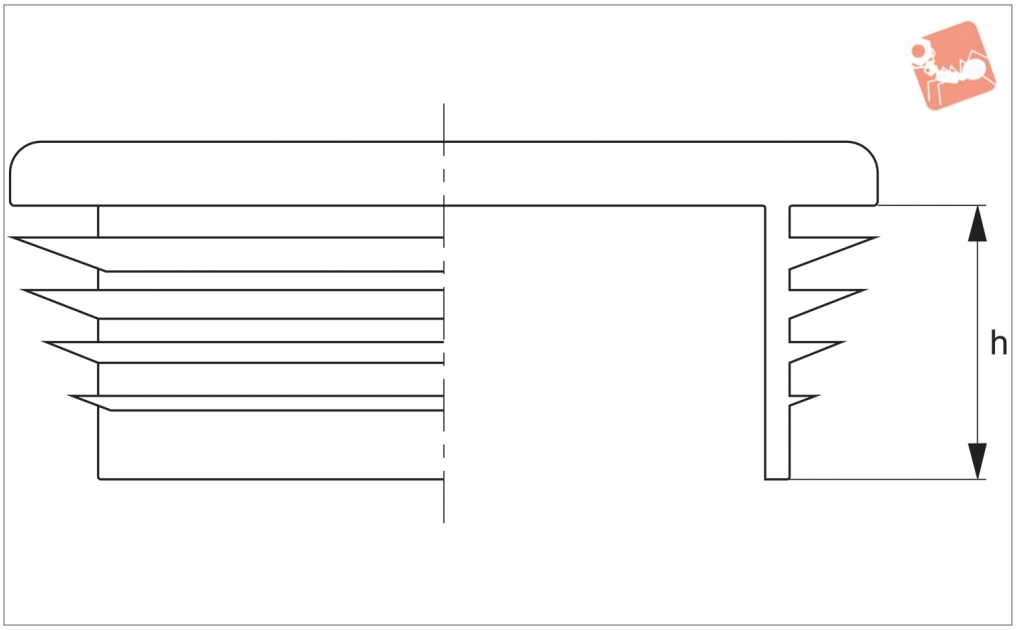


Material
Low density polyethylene, black.

Technical Notes
Insert ribs provide secure fitting.

Important Notes
Sold subject to minimum pack quantity.

Order No.	External cap dim.	Tube wall thickness	h
V0600.AC0208	90x90	3,6-5,0	6.0
V0600.AC0151	10x10	1,5-2,0	12.0
V0600.AC0153	12x12	1,5-2,0	12.0
V0600.AC0155	13x13	1,5-2,0	12.0
V0600.AC0157	15x15	1,5-2,0	14.0
V0600.AC0159	16x16	1,5-2,0	11.5
V0600.AC0162	18x18	1,5-2,0	11.5
V0600.AC0164	20x20	1,0-3,0	11.0
V0600.AC0166	22x22	1,0-3,0	12.0
V0600.AC0168	25x25	1,0-3,0	11.5
V0600.AC0174	28x28	1,5-3,0	11.5
V0600.AC0176	30x30	1,0-2,5	11.5
V0600.AC0177	30x30	2,5-4,5	11.5
V0600.AC0182	35x35	1,0-3,0	14.5
V0600.AC0184	35x35	2,5-5,0	12.0
V0600.AC0186	40x40	1,0-3,0	14.0
V0600.AC0188	40x40	2,5-4,0	18.0
V0600.AC0189	40x40	5,0-5,5	14.0
V0600.AC0192	45x45	1,0-3,0	14.5
V0600.AC0194	50x50	1,0-2,5	14.5
V0600.AC0196	50x50	2,6-4,0	25.0
V0600.AC0198	50x50	3,5-6,0	14.5
V0600.AC0200	60x60	1,5-3,5	24.0
V0600.AC0201	60x60	3,0-5,0	17.5
V0600.AC0203	70x70	2,0-4,0	19.0
V0600.AC0204	80x80	2,0-4,0	21.0
V0600.AC0206	80x80	3,0-5,0	24.0
V0600.AC0207	90x90	2,0-5,0	25.0
V0600.AC0210	100x100	1,0-4,0	24.0
V0600.AC0211	100x100	5,0-8,0	24.0
V0600.AC0213	120x120	2,5-5,0	25.0
V0600.AC0219	150x150	5,0-8,0	-
V0600.AC0221	150x150	10,0-12,5	27.0



V0610

Material
Low density polyethylene, black.

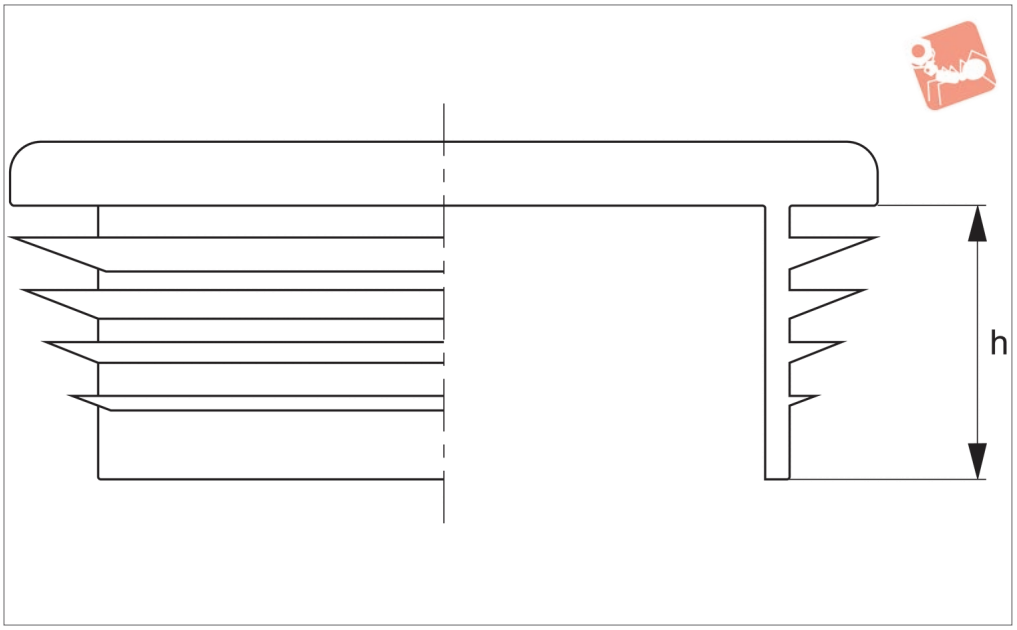
Technical Notes
Insert ribs provide secure fitting.

Important Notes
Sold subject to minimum pack quantity.

Order No.	External cap dim.	Tube wall thickness	h
V0610.AC0992	20x10	1,0-2,0	11.0
V0610.AC0994	20x15	1,0-2,0	11.5
V0610.AC0997	25x10	1,0-1,5	11.5
V0610.AC0999	25x15	1,0-2,5	11.5
V0610.AC1002	25x20	1,0-3,0	11.5
V0610.AC1004	30x10	1,0-1,5	11.5
V0610.AC1006	30x15	1,0-2,5	11.5
V0610.AC1008	30x20	1,5-3,0	11.5
V0610.AC1013	30x25	1.5	13.0
V0610.AC1015	35x10	1,0-2,0	11.5
V0610.AC1017	35x20	1,0-2,5	11.5
V0610.AC1016	35x15	1,0-3,0	11.5
V0610.AC1018	35x25	1,0-3,0	11.5
V0610.AC1022	40x10	1.5	10.5
V0610.AC1024	40x15	1,0-1,5	12.0
V0610.AC1027	40x20	1,0-2,0	12.0
V0610.AC1030	40x25	1,0-3,0	11.5
V0610.AC1032	40x30	1,0-3,0	12.0
V0610.AC1036	40x35	1,0-3,0	12.0
V0610.AC1037	45x15	1,5-2,0	11.0
V0610.AC1039	45x20	1,5-2,0	11.5
V0610.AC1041	45x25	1,5-2,0	14.0
V0610.AC1042	45x30	1,0-2,5	12.0
V0610.AC1043	45x35	1,0-3,5	12.0
V0610.AC1044	50x10	1,0-1,5	12.0
V0610.AC1046	50x20	1,0-3,0	14.0
V0610.AC1048	50x25	1,5-2,5	14.5
V0610.AC1049	50x30	1,5-2,0	13.5
V0610.AC1051	50x30	3.0	14.0
V0610.AC1053	50x35	1,0-3,5	14.5
V0610.AC1054	50x40	1,5-2,5	12.5
V0610.AC1056	55x34	1.5	14.0
V0610.AC1057	55x40	1,5-4,0	14.5
V0610.AC1058	60x15	1,0-2,0	14.5

Inserts
ribbed - rectangular

Order No.	External cap dim.	Tube wall thickness	h
V0610.AC1060	60x20	1,0-3,0	14.5
V0610.AC1061	60x25	1,0-2,5	14.0
V0610.AC1063	60x30	1,5-2,0	15.0
V0610.AC1064	60x35	1,5-3,5	15.0
V0610.AC1065	60x40	1,0-3,0	14.0
V0610.AC1066	60x40	4,0-5,0	14.0
V0610.AC1067	60x45	1,5-4,0	15.0
V0610.AC1068	60x50	1,5-3,5	14.5
V0610.AC1069	65x35	1,0-3,0	15.0
V0610.AC1070	70x20	1,0-2,0	17.0
V0610.AC1071	70x25	1,5-2,0	17.0
V0610.AC1072	70x30	1,5-2,0	18.0
V0610.AC1073	70x40	1,5-2,0	18.0
V0610.AC1074	70x40	2,0-5,0	15.0
V0610.AC1077	80x20	1,5-2,0	18.0
V0610.AC1078	80x30	1,0-2,5	14.5
V0610.AC1080	80x30	2,5-4,0	14.5
V0610.AC1082	80x40	1,0-3,0	14.5
V0610.AC1084	80x40	3,2-4,0	24.5
V0610.AC1086	80x50	2,0-4,0	24.0
V0610.AC1087	80x60	2,5-3,0	24.0
V0610.AC1088	80x60	5.0	18.5
V0610.AC1089	100x30	1,5-3,0	15.0
V0610.AC1090	100x40	2,0-4,0	14.5
V0610.AC1094	100x50	2,0-3,0	24.0
V0610.AC1096	100x50	3,2-5,0	24.0
V0610.AC1097	120x30	1,5-2,0	14.5
V0610.AC1098	120x40	2.0	-
V0610.AC1100	120x40	3,0-5,0	21.5
V0610.AC1102	120x60	2,0-4,0	24.5
V0610.AC1105	120x80	2,0-3,0	24.0
V0610.AC1106	120x80	5,0-8,0	25.0
V0610.AC1108	140x80	2,0-4,5	20.0
V0610.AC1109	150x100	3,0-8,0	27.0



V0620

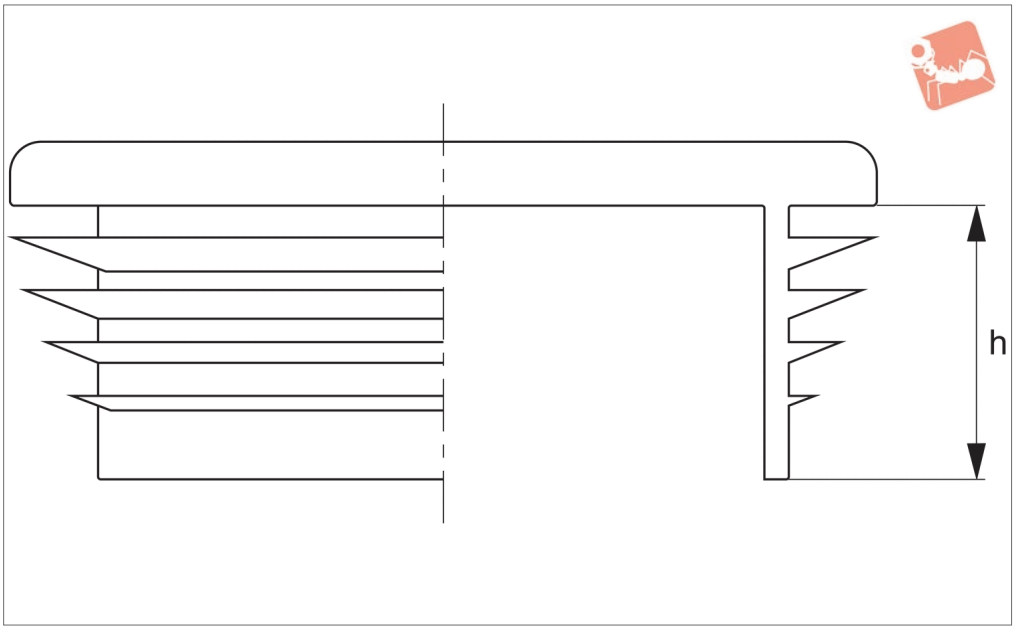
Material
Low density polyethylene, black.

Technical Notes
Insert ribs provide secure fitting.

Important Notes
Sold subject to minimum pack quantity.

Order No.	External tube dimension a x b	Tube wall thickness	h_1	h_2
V0620.AC0001	20x10	2.0	5	10
V0620.AC0003	30x15	1,0-2,5	5	12
V0620.AC0005	35x15	1,2-2,5	5	12
V0620.AC0007	35x20	1,0-3,0	5	12
V0620.AC0009	38x20	1,0-3,0	5	12
V0620.AC0011	40x20	1,0-3,0	5	12
V0620.AC0013	45x20	1,5-3,0	5	12
V0620.AC0015	48x20	1,0-2,5	5	12
V0620.AC0017	50x15	1,0-2,5	5	12
V0620.AC0019	50x20	1,0-3,0	5	12
V0620.AC0021	50x25	1,0-2,5	5	12
V0620.AC0023	50x30	1,0-2,5	5	12
V0620.AC0025	60x20	1,0-2,0	5	13
V0620.AC0027	60x25	1,5-3,0	5	13
V0620.AC0029	60x30	1,0-2,0	5	13

V0630



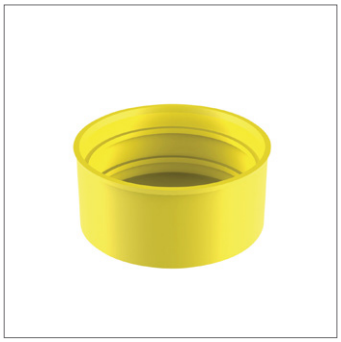
Material
Low density polyethylene, black.

Technical Notes
insert ribs provide secure fitting.

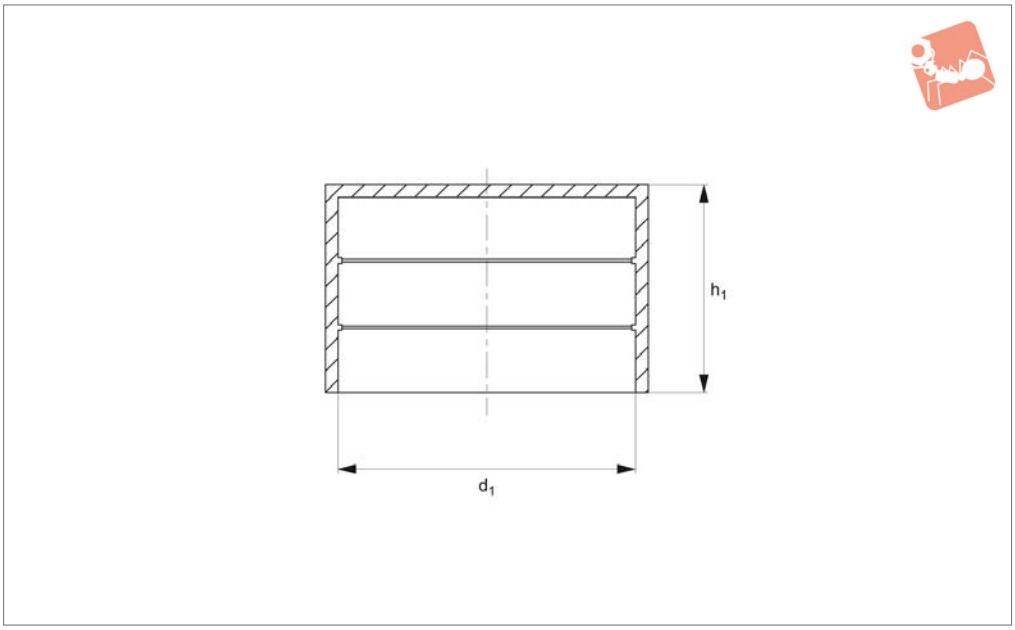
Important Notes
Sold subject to minimum pack quantity.

Order No.	External cap dia.	Tube wall thickness	h
V0630.AC0301	10	1,0-2,0	11.0
V0630.AC0303	12	1,0-2,0	11.0
V0630.AC0305	13	1,0-2,0	11.0
V0630.AC0307	14	1,0-2,0	11.5
V0630.AC0309	15	1,0-2,0	13.0
V0630.AC0311	16	1,0-2,0	11.0
V0630.AC0313	18	1,0-2,0	11.4
V0630.AC0314	19	1,0-2,0	11.4
V0630.AC0315	20	1,0-2,0	11.4
V0630.AC0316	21	1,0-2,0	11.5
V0630.AC0317	22	1,0-2,0	11.5
V0630.AC0318	23	1,0-2,5	11.5
V0630.AC0320	25	1,0-3,0	11.5
V0630.AC0322	27	1,0-3,0	11.5
V0630.AC0323	28	1,0-2,0	11.5
V0630.AC0325	30	1,0-2,0	11.6
V0630.AC0327	32	1,0-2,0	11.5
V0630.AC0328	34	1,0-3,0	11.5
V0630.AC0331	35	1,0-2,0	11.5
V0630.AC0333	36	1,0-2,0	11.5
V0630.AC0336	38	1,0-3,5	11.5
V0630.AC0338	40	1,0-3,0	11.5
V0630.AC0339	42	1,0-2,0	11.5
V0630.AC0340	42	2,0-4,0	11.5
V0630.AC0342	45	1,0-3,5	11.0
V0630.AC0344	48	1,2-3,6	11.5
V0630.AC0345	50	1,0-2,0	11.5
V0630.AC0346	52	1,5-3,5	14.5
V0630.AC0348	55	1,0-3,0	11.5
V0630.AC0350	60	1,5-3,0	18.5
V0630.AC0351	60	3,0-4,0	21.0
V0630.AC0352	65	1,5-3,5	21.0
V0630.AC0353	70	2,0-4,5	21.0
V0630.AC0355	76	1,6-4,0	21.5

Order No.	External cap dia.	Tube wall thickness	h
V0630.AC0358	80	1,5-3,0	21.0
V0630.AC0359	90	2,5-5,0	19.9
V0630.AC0360	95	1,5-4,0	21.0
V0630.AC0361	102	2,0-4,0	20.2
V0630.AC0362	100	2,0-4,5	28.5
V0630.AC0363	105	2,0-4,5	29.0
V0630.AC0364	110	2,0-4,5	28.5
V0630.AC0365	120	2,0-4,0	28.5



V0300



Material
Low density polyethylene.
Natural colour/yellow.

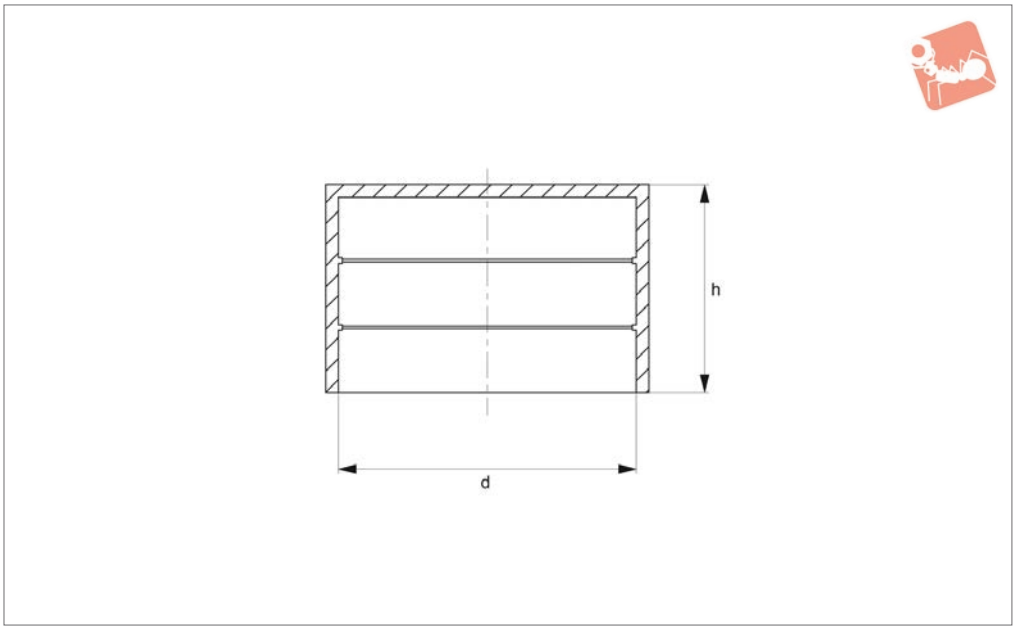
Important Notes
Sold subject to minimum pack quantity.

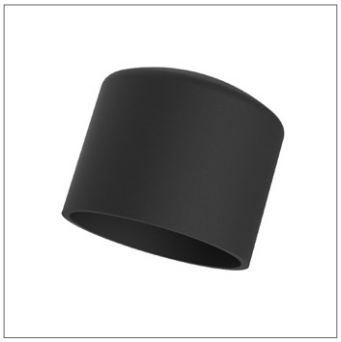
Order No.	Ext. tube dia. d_1 mm	Ext. tube dia. inch	h_1
V0300.AC0001	4.0	-	22.0
V0300.AC0003	6.0	-	18.0
V0300.AC0005	6.0	-	18.0
V0300.AC0007	6.35	-	18.0
V0300.AC0009	7.0	-	18.0
V0300.AC0011	8.0	-	19.0
V0300.AC0013	9.6	1/8“	18.0
V0300.AC0015	10.0	1/8“	18.0
V0300.AC0017	11.0	-	15.0
V0300.AC0019	12.0	-	18.0
V0300.AC0021	12.7	-	18.0
V0300.AC0023	13.0	1/4“	18.0
V0300.AC0025	13.7	1/4“	18.0
V0300.AC0027	14.0	-	20.0
V0300.AC0029	15.0	-	19.0
V0300.AC0031	15.5	-	19.5
V0300.AC0033	16.0	-	20.0
V0300.AC0035	17.2	3/8“	20.0
V0300.AC0037	18.0	-	20.0
V0300.AC0039	18.5	-	20.0
V0300.AC0041	19.0	-	20.0
V0300.AC0043	20.0	-	20.0
V0300.AC0045	21.3	1/2“	16.0
V0300.AC0047	22.0	-	20.0
V0300.AC0049	23.2	-	19.0
V0300.AC0051	24.0	-	20.0
V0300.AC0055	25.4	-	20.0
V0300.AC0057	26.0	-	20.0
V0300.AC0059	26.9	3/4“	20.0
V0300.AC0061	28.5	-	24.0
V0300.AC0063	30.0	-	25.0
V0300.AC0065	31.8	-	20.0
V0300.AC0067	33.7	1“	20.0
V0300.AC0069	35.0	-	25.0

Order No.	Ext. tube dia. d_1 mm	Ext. tube dia. inch	h_1
V0300.AC0071	38.0	-	20.0
V0300.AC0075	40.0	-	25.0
V0300.AC0077	41.3	-	20.0
V0300.AC0079	42.4	1,1/4“	25.3
V0300.AC0081	44.5	-	25.0
V0300.AC0083	45.4	-	20.0
V0300.AC0085	47.5	-	25.0
V0300.AC0087	48.3	1,1/2“	25.0
V0300.AC0089	51.0	-	27.5
V0300.AC0091	52.0	-	28.0
V0300.AC0093	52.8	-	28.0
V0300.AC0095	54.0	1,3/4“	27.5
V0300.AC0097	55.0	-	29.0
V0300.AC0099	57.0	-	26.5
V0300.AC0101	59.0	-	27.0
V0300.AC0103	60.3	2“	27.0
V0300.AC0105	63.5	-	27.0
V0300.AC0107	65.0	-	35.0
V0300.AC0109	67.0	-	35.0
V0300.AC0111	70.0	-	35.5
V0300.AC0113	73.0	2,1/2“	30.0
V0300.AC0115	75.0	-	28.0
V0300.AC0117	76.0	2,1/2“	30.0
V0300.AC0119	77.0	-	35.0
V0300.AC0121	78.0	-	29.5
V0300.AC0123	80.0	-	29.5
V0300.AC0127	82.0	-	30.0
V0300.AC0129	83.0	2,3/4“	30.0
V0300.AC0131	85.0	-	30.0
V0300.AC0133	88.9	3“	35.0
V0300.AC0135	92.4	-	25.0
V0300.AC0137	95.0	-	37.5
V0300.AC0139	98.0	-	37.5
V0300.AC0141	100.0	-	31.0
V0300.AC0143	101.6	3,1/2“	30.0
V0300.AC0145	103.0	-	35.0
V0300.AC0151	105.0	-	40.0
V0300.AC0153	108.0	-	35.0
V0300.AC0155	110.0	-	38.0
V0300.AC0157	114.3	4“	33.0
V0300.AC0159	116.3	-	38.5
V0300.AC0161	117.5	-	38.5
V0300.AC0163	121.0	-	38.0
V0300.AC0165	125.0	-	35.0
V0300.AC0169	127.0	4,1/2“	35.0
V0300.AC0171	130.0	-	40.0
V0300.AC0173	133.0	-	40.0
V0300.AC0175	136.0	-	40.0
V0300.AC0177	138.0	-	32.5
V0300.AC0179	139.7	5“	33.5
V0300.AC0181	141.3	5“	34.5
V0300.AC0183	146.0	-	40.0
V0300.AC0185	148.0	-	35.0
V0300.AC0189	152.4	5,1/2“	40.0
V0300.AC0191	156.0	-	40.0
V0300.AC0193	159.0	-	37.0
V0300.AC0195	165.0	-	40.0
V0300.AC0197	168.3	6“	38.5
V0300.AC0199	170.0	-	45.0
V0300.AC0201	176.0	-	40.0
V0300.AC0203	177.8	-	40.0
V0300.AC0205	180.0	-	40.0
V0300.AC0207	185.0	-	40.0
V0300.AC0209	190.0	-	40.0
V0300.AC0211	193.7	-	42.0
V0300.AC0213	200.0	-	50.0
V0300.AC0215	210.0	-	40.0
V0300.AC0217	219.1	8“	44.0

Tube End Caps
push-fit

Order No.	Ext. tube dia. d_1 mm	Ext. tube dia. inch	h_1
V0300.AC0219	225.0	-	39.0
V0300.AC0221	232.0	-	40.0
V0300.AC0223	242.0	-	50.0
V0300.AC0225	245.0	-	49.0
V0300.AC0227	250.0	-	47.0
V0300.AC0229	267.0	-	43.0
V0300.AC0231	273.0	10“	49.0
V0300.AC0237	323.9	12“	55.0
V0300.AC0239	355.6	14“	56.0
V0300.AC0241	366.0	-	54.0
V0300.AC0243	400.0	-	65.0
V0300.AC0247	406.4	16“	60.5
V0300.AC0249	450.0	-	65.0
V0300.AC0251	457.2	18“	63.0
V0300.AC0253	508.0	20“	65.0
V0300.AC0255	558.8	22“	60.0
V0300.AC0257	609.6	24“	61.0
V0300.AC0259	660.4	26“	115.0
V0300.AC0261	711.2	28“	115.0
V0300.AC0263	762.0	30“	115.0
V0300.AC0265	812.4	32“	115.0
V0300.AC0267	914.4	36“	115.0
V0300.AC0269	1016.0	40“	115.0
V0300.AC0271	1066.8	42“	115.0
V0300.AC0273	1117.6	44“	125.0
V0300.AC0275	1219.2	48“	115.0
V0300.AC0277	1320.8	52“	150.0
V0300.AC0281	1422.4	56“	150.0
V0300.AC0283	1524.0	60“	150.0
V0300.AC0285	1625.6	64“	150.0





V0350

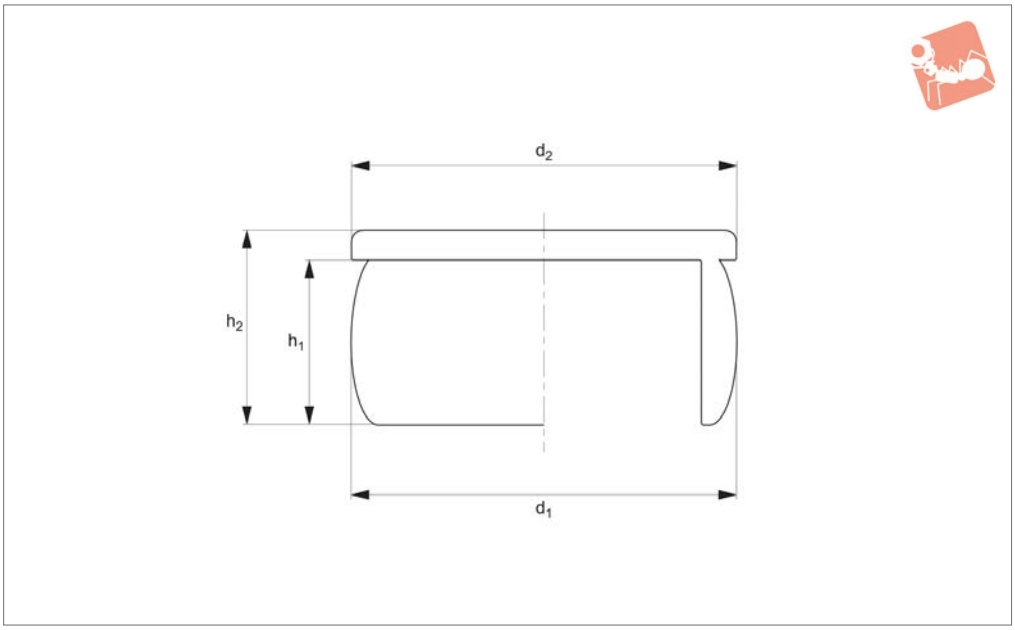
Material
PVC, black.

Technical Notes
For a wide range of applications, durable a flexible PVC.

Important Notes
Sold subject to minimum pack quantity.

Order No.	External tube dia.	d	h
V0350.AC0250	6.0	6.0	13.0
V0350.AC0252	8.0	8.0	15.5
V0350.AC0254	10,0-11,0	10.0	16.5
V0350.AC0256	12,0-13,0	12.0	19.0
V0350.AC0264	16,0-17,0	16.0	26.0
V0350.AC0266	18.0	18.0	26.0
V0350.AC0268	19.0	19.0	26.0
V0350.AC0270	20.0	20.0	26.5
V0350.AC0272	21.0	21.0	27.5
V0350.AC0274	22,0-23,0	22.0	29.0
V0350.AC0276	24.0	24.0	31.0
V0350.AC0278	25,0-26,0	25.0	31.0
V0350.AC0280	27.0	27.0	31.0
V0350.AC0282	28,0-29,0	28.0	32.0
V0350.AC0284	30,0-31,0	30.0	32.0
V0350.AC0286	32,0-33,0	32.0	32.0
V0350.AC0288	34.0	34.0	33.0
V0350.AC0290	35,0-36,0	35.0	32.5
V0350.AC0292	38,0-39,0	38.0	32.0
V0350.AC0294	40,0-41,0	40.0	34.0
V0350.AC0296	42.0	42.0	32.0
V0350.AC0298	43,0-44,0	43.0	32.0
V0350.AC0300	45,0-46,0	45.0	36.0
V0350.AC0304	48.0	48.0	36.0
V0350.AC0306	49,0-51,0	49.0	36.0
V0350.AC0308	54,0-55,0	54.0	39.0
V0350.AC0310	59,0-60,0	59.0	36.0
V0350.AC0312	63,0-64,0	63.0	37.0
V0350.AC0314	69,0-70,0	69.0	37.0
V0350.AC0316	75,0-76,0	75.0	39.0
V0350.AC0318	90,0-91,0	90.0	39.0

V0100

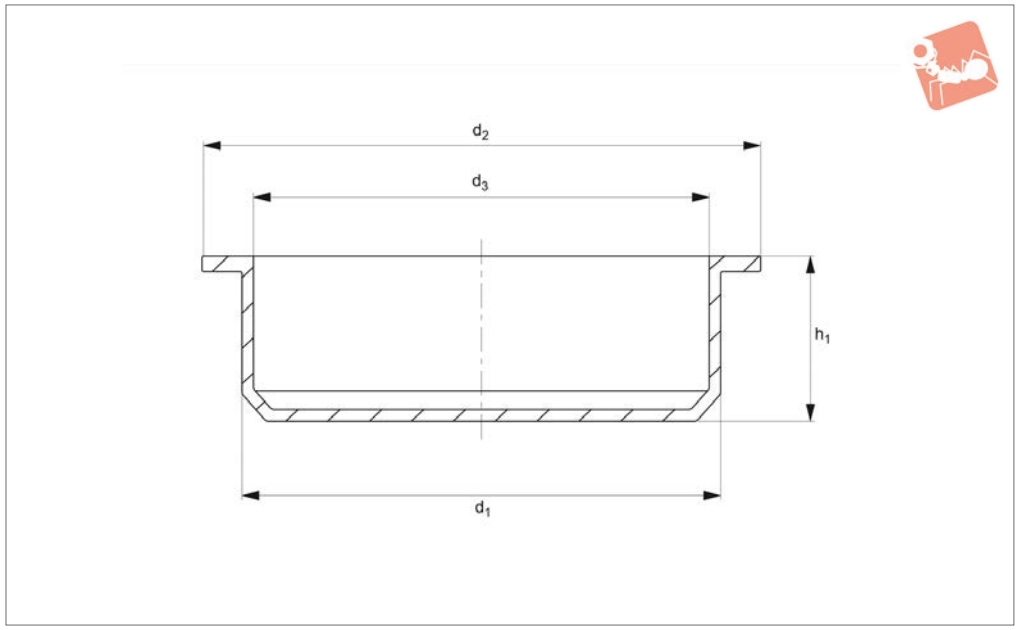


Material
PVC, natural colour

Technical Notes
Wide range of applications. Barrel shape ensures good fit.

Important Notes
Sold subject to minimum pack quantity.

Order No.	To fit thread	d_1	d_2	h_1	h_2
V0100.AC0500	M8x1	7.3	14	6.0	8.0
V0100.AC0502	M10	9.3	14	4.5	6.5
V0100.AC0504	1/8“ BSP	9.3	16	6.8	8.3
V0100.AC0506	M12x1,5	10.7	14	5.5	7.5
V0100.AC0508	M14	11.9	16	7.0	9.0
V0100.AC0510	M14x1,5	12.8	20	7.8	10.3
V0100.AC0512	-	13.7	20	8.0	10.0
V0100.AC0514	M18	15.6	20	8.0	10.0
V0100.AC0516	-	17.0	22	8.2	10.8
V0100.AC0518	1/2“ BSP	19.3	25	8.0	10.5
V0100.AC0520	M22x1,5	20.5	30	10.7	13.2
V0100.AC0522	5/8“ BSP	21.2	25	7.5	9.5
V0100.AC0524	M24x2,0	22.4	28	9.0	12.0
V0100.AC0526	3/4“ BSP	24.6	28	9.0	12.0
V0100.AC0528	M27x1,5	25.5	28	7.5	9.5
V0100.AC0530	M28x1,5	26.5	28	9.0	12.0
V0100.AC0532	7/8“ BSP	30.5	36	12.0	15.0
V0100.AC0534	M33x1,5 / 1“ BSP	31.8	36	10.0	12.5
V0100.AC0536	M35x1,5	33.5	36	12.0	15.0



V0120

Material
Polyethylene, natural colour.

Technical Notes
General purpose for a wide range of applications.

Important Notes
Sold subject to minimum pack quantity.

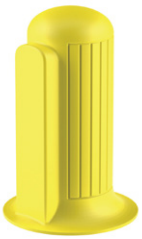
Order No.	d_1	d_2	d_3	h_1	Thread	Thread inch
V0120.AC0001	3.0	6.5	2.0	5.2	-	-
V0120.AC0003	3.5	6.9	2.0	5.5	M 4	-
V0120.AC0005	4.0	7.5	3.0	6	-	-
V0120.AC0007	4.5	8.0	3.5	6.0	M 5	-
V0120.AC0009	5.0	9.0	4.0	7.0	M 6	-
V0120.AC0011	5.5	9.0	4.5	7.0	-	-
V0120.AC0013	6.0	9.5	5.0	7.0	-	-
V0120.AC0015	6.5	9.9	5.5	8.0	-	-
V0120.AC0017	7.0	10.0	6.0	7.2	M 8	-
V0120.AC0019	7.5	10.5	6.3	7.5	-	-
V0120.AC0021	8.0	11.3	7.0	7.8	-	-
V0120.AC0023	8.5	11.5	7.5	8.7	M10	-
V0120.AC0025	9.0	11.8	8.0	8.6	-	1/8“
V0120.AC0027	9.5	12.3	8.5	8.2	-	-
V0120.AC0029	10.0	12.8	9.0	9.0	-	-
V0120.AC0031	10.5	13.5	9.5	8.8	M12	-
V0120.AC0033	11.0	14.0	10.0	9.0	-	-
V0120.AC0035	11.5	14.5	10.5	9.0	-	-
V0120.AC0037	12.0	15.3	11.0	9.2	-	1/4“
V0120.AC0039	12.5	15.7	11.5	9.2	M14	-
V0120.AC0041	13.0	16.3	12.0	10.0	-	-
V0120.AC0043	13.5	16.5	12.5	10.0	-	-
V0120.AC0045	14.0	17.0	13.0	10.2	-	-
V0120.AC0047	14.5	17.5	13.5	10.2	M16	-
V0120.AC0049	15.0	18.4	14.0	10.2	-	-
V0120.AC0051	15.5	19.3	14.5	10.2	-	3/8“
V0120.AC0053	16.0	20.0	15.0	11.0	M18	-
V0120.AC0055	16.5	20.7	15.5	11.0	-	-
V0120.AC0057	17.0	20.2	16.0	11.0	-	-
V0120.AC0059	17.5	20.7	16.5	11.0	-	-
V0120.AC0061	18.0	21.5	17.0	11.0	M20	-
V0120.AC0063	18.5	23.0	17.5	11.0	-	-
V0120.AC0065	19.0	22.7	18.0	11.2	-	1/2“
V0120.AC0067	19.5	23.5	18.5	11.7	-	-

Parallel Protection Plug
push fit

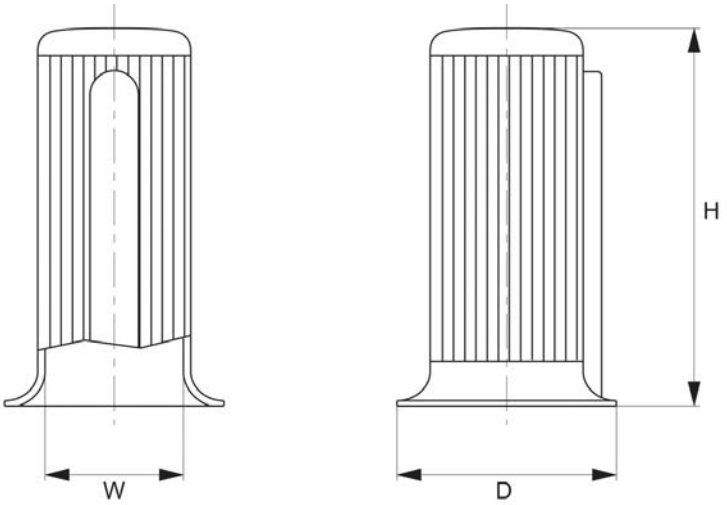
Order No.	d_1	d_2	d_3	h_1	Thread	Thread inch
V0120.AC0069	20.0	23.5	19.0	11.7	M22	-
V0120.AC0071	20.5	24.5	19.5	11.7	-	-
V0120.AC0073	21.0	25.0	20.0	11.8	-	5/8“
V0120.AC0075	21.5	25.5	20.0	12.0	M24	-
V0120.AC0077	22.0	26.4	20.8	12.0	-	-
V0120.AC0081	23.0	27.0	21.5	12.2	-	-
V0120.AC0085	24.0	28.0	22.5	12.0	-	-
V0120.AC0089	25.0	30.0	23.5	12.0	M27	3/4“
V0120.AC0093	26.0	30.9	24.5	11.6	-	-
V0120.AC0095	26.5	30.4	25.0	11.5	-	-
V0120.AC0097	27.0	31.0	25.2	10.4	M30	-
V0120.AC0101	28.0	31.3	26.0	11.5	-	-
V0120.AC0105	29.0	32.0	27.0	10.5	-	7/8“
V0120.AC0109	30.0	33.0	28.0	10.8	M33	-
V0120.AC0113	31.0	35.0	29.0	11.8	-	1“
V0120.AC0117	32.0	36.9	30.0	11.6	-	-
V0120.AC0119	32.5	37.4	30.5	11.6	M36	-
V0120.AC0123	33.0	37.7	31.0	11.4	-	-
V0120.AC0127	34.0	38.5	32.0	11.7	-	-
V0120.AC0131	35.0	40.0	33.0	11.4	-	-
V0120.AC0135	36.0	41.2	34.0	12.0	M39	-
V0120.AC0139	37.0	41.6	35.0	11.5	-	-
V0120.AC0143	38.0	42.0	36.0	11.5	M42	-
V0120.AC0147	39.0	43.8	37.0	11.3	-	-
V0120.AC0151	40.0	44.5	38.0	11.5	-	1,1/4“
V0120.AC0155	41.0	45.7	39.0	11.5	-	-
V0120.AC0159	42.0	47.0	40.0	11.3	-	-
V0120.AC0163	43.0	47.5	41.0	11.8	-	-
V0120.AC0167	44.0	48.6	42.0	11.3	-	-
V0120.AC0170	45.0	50.6	43.0	11.7	-	-
V0120.AC0175	46.0	50.6	44.0	11.3	-	1,1/2“
V0120.AC0179	47.0	51.3	45.0	11.3	-	-
V0120.AC0183	48.0	53.2	46.0	11.5	-	-
V0120.AC0187	49.0	53.7	47.0	11.5	-	-
V0120.AC0191	50.0	54.1	48.0	11.0	-	-
V0120.AC0195	51.0	54.5	49.0	10.8	-	-
V0120.AC0199	52.0	60.0	50.0	12.0	-	-
V0120.AC0203	53.0	59.0	51.0	11.9	-	-
V0120.AC0207	54.0	60.5	52.0	12.0	-	-
V0120.AC0211	55.0	61.2	53.0	12.0	-	-
V0120.AC0215	56.0	62.4	54.0	13.0	-	-
V0120.AC0219	57.0	60.2	55.0	10.8	-	-
V0120.AC0223	58.0	64.6	56.0	11.7	-	-
V0120.AC0227	59.0	66.7	57.0	10.7	-	-
V0120.AC0231	60.0	67.3	58.0	12.0	-	-
V0120.AC0235	61.0	67.1	59.0	12.5	-	-
V0120.AC0239	62.0	68.7	60.0	12.2	-	-
V0120.AC0243	63.0	66.5	61.0	11.0	-	-
V0120.AC0245	63.5	69.5	61.0	11.5	-	-
V0120.AC0247	64.0	67.2	62.0	10.7	-	-
V0120.AC0251	65.0	68.7	63.0	11.5	-	-
V0120.AC0255	66.0	71.5	64.0	11.7	-	-
V0120.AC0259	67.0	73.0	65.0	11.5	-	-
V0120.AC0263	68.0	74.2	66.0	11.8	-	-
V0120.AC0267	69.0	75.0	67.0	11.9	-	-
V0120.AC0271	70.0	74.2	68.0	12.1	-	-
V0120.AC0275	71.0	75.0	69.0	12.5	-	-
V0120.AC0279	72.0	79.0	70.0	13.0	-	-
V0120.AC0283	73.0	76.5	71.0	12.0	-	-
V0120.AC0287	74.0	77.0	72.0	11.8	-	-
V0120.AC0291	75.0	78.5	72.5	11.2	-	-
V0120.AC0295	76.0	78.8	74.0	11.5	-	-
V0120.AC0299	77.0	80.5	75.0	11.0	-	-
V0120.AC0303	78.0	81.7	76.0	11.7	-	-
V0120.AC0307	79.0	82.0	77.0	11.0	-	-
V0120.AC0311	80.0	83.5	78.0	10.7	-	-
V0120.AC0315	81.0	84.0	79.0	10.7	-	-
V0120.AC0319	82.0	85.5	80.0	10.5	-	-

Order No.	d_1	d_2	d_3	h_1	Thread	Thread inch
V0120.AC0323	83.0	86.0	81.0	10.7	-	-
V0120.AC0327	84.0	90.0	82.0	12.0	-	-
V0120.AC0329	84.5	90.0	82.0	9.2	-	-
V0120.AC0331	85.0	89.0	83.0	11.0	-	-
V0120.AC0335	86.0	89.0	83.5	11.0	-	-
V0120.AC0339	86.5	90.0	84.0	11.0	-	-
V0120.AC0343	87.0	90.0	85.0	10.7	-	-
V0120.AC0347	88.0	91.0	86.0	10.5	-	-
V0120.AC0351	89.0	92.5	87.0	12.0	-	-
V0120.AC0355	90.0	93.5	88.0	11.0	-	-
V0120.AC0359	91.0	94.3	89.0	11.0	-	-
V0120.AC0363	92.0	95.8	90.0	10.8	-	-
V0120.AC0367	93.0	95.6	91.0	10.8	-	-
V0120.AC0371	94.0	97.5	92.0	10.7	-	-
V0120.AC0375	95.0	97.8	93.0	10.7	-	-
V0120.AC0379	96.0	99.5	94.0	10.8	-	-
V0120.AC0383	97.0	100.1	95.0	10.7	-	-
V0120.AC0387	98.0	101.8	96.0	10.8	-	-
V0120.AC0391	99.0	102.5	97.0	10.7	-	-
V0120.AC0395	100.0	104.5	98.0	11.5	-	-

Drive Shaft Protection Caps
push-fit



V0200

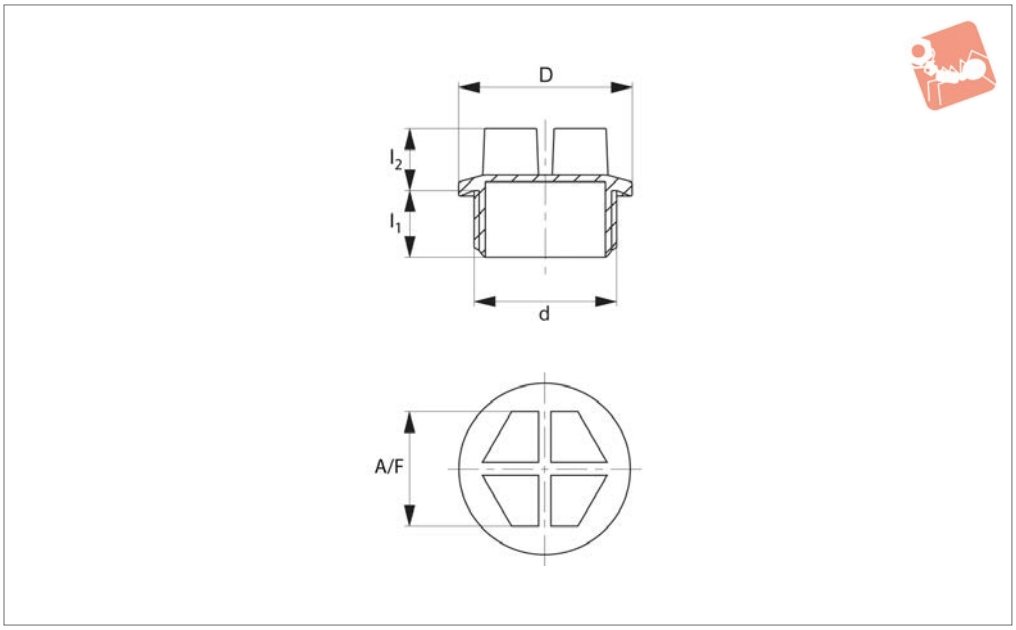


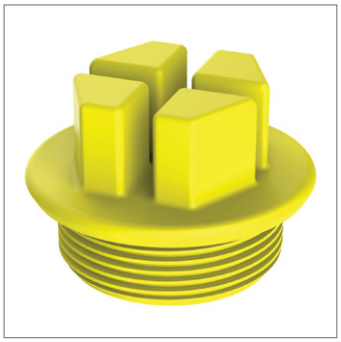
Material
Low density polyethylene, yellow.

Technical Notes
For protection of drive shafts to DIN 748.

Important Notes
Sold subject to minimum pack quantity.

Order No.	w	d	h
V0200.AC0251	9.0	14.5	24.0
V0200.AC0253	11.0	17.5	27.5
V0200.AC0255	14.0	22.5	35.0
V0200.AC0257	15.0	25.5	32.0
V0200.AC0259	16.0	25.5	47.0
V0200.AC0261	19.0	30.5	47.0
V0200.AC0263	20.0	32.0	58.5
V0200.AC0265	22.0	35.5	58.5
V0200.AC0267	24.0	38.5	58.5
V0200.AC0269	25.0	40.0	70.0
V0200.AC0271	28.0	45.0	70.0
V0200.AC0273	30.0	48.0	93.5
V0200.AC0275	32.0	51.0	93.5
V0200.AC0277	35.0	56.0	93.5
V0200.AC0279	38.0	61.0	93.5
V0200.AC0281	42.0	67.0	127.5
V0200.AC0283	45.0	72.0	117.5
V0200.AC0285	48.0	77.0	127.5
V0200.AC0287	55.0	88.0	127.5
V0200.AC0289	60.0	96.0	164.0
V0200.AC0291	65.0	104.0	164.0
V0200.AC0293	75.0	112.0	164.0





V0400

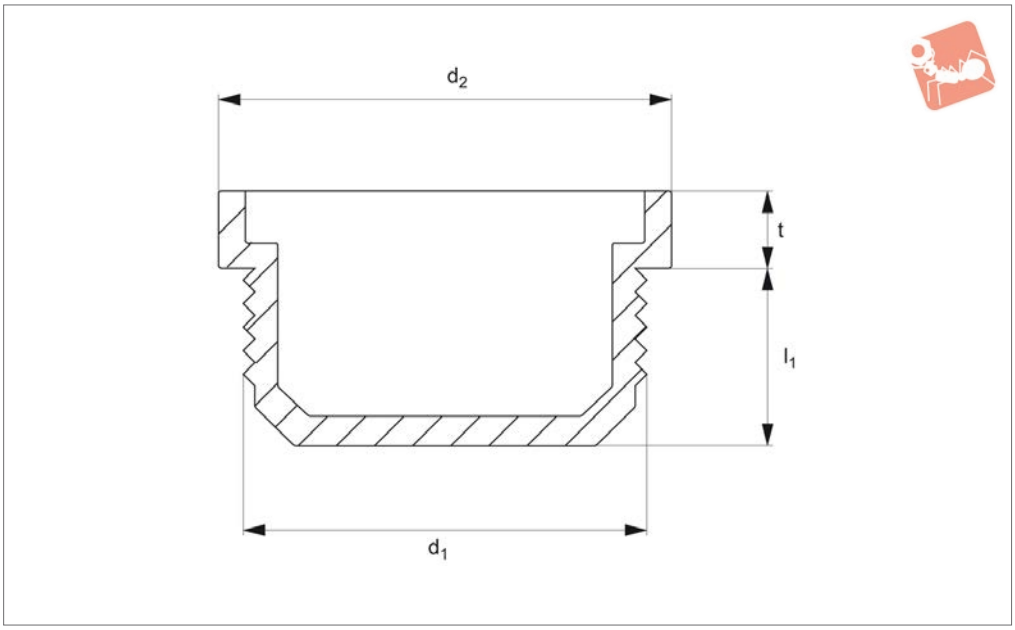
Material
Polyamide, yellow.

Technical Notes
Threaded for installation via screwdriver or spanner.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	l_1	l_2	A/F	d_2
V0400.AC0881	14,2 - 0,2	7	10	10	M10
V0400.AC0883	17,2 - 0,2	10	10	13	M12
V0400.AC0885	19,2 - 0,2	10	10	13	M14
V0400.AC0887	22,0 - 0,2	10	10	17	M16
V0400.AC0889	24,0 - 0,2	10	11	17	M18
V0400.AC0891	26,0 - 0,2	10	14	19	M20
V0400.AC0893	27,2 - 0,2	10	14	19	M22
V0400.AC0895	32,0 - 0,3	13	14	24	M26
V0400.AC0897	32,3 - 0,3	13	14	24	M27
V0400.AC0899	40,0 - 0,4	13	14	27	M33
V0400.AC0901	50,0 - 0,4	13	15	36	M42
V0400.AC0949	16.8	9	10	13	1/8“
V0400.AC0951	19,0 - 0,2	9	10	13	1/4“
V0400.AC0953	22,2 - 0,2	9	11	17	3/8“
V0400.AC0955	27,0 - 0,2	12	13	19	1/2“
V0400.AC0957	32,3 - 0,3	12	13	24	3/4“
V0400.AC0959	40,0 - 0,4	15	14	27	1“
V0400.AC0961	50,0 - 0,4	15	15	36	1 1/4“
V0400.AC0963	55,4 - 0,4	15	15	41	1 1/2“
V0400.AC0965	68.4	15	15	55	2“

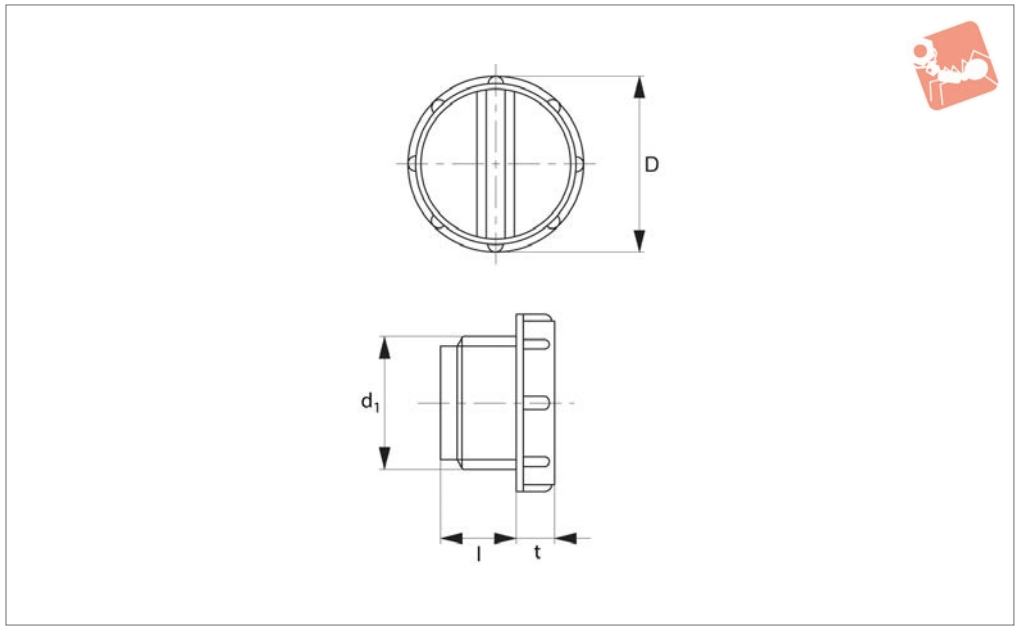
V0440



Material
Low density polyethylene, red.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	l_1	t	d_2
V0440.AC0851	1/4“	7.0	3.5	19.0
V0440.AC0853	3/8“	8.5	3.5	22.5
V0440.AC0855	1/2“	10.0	4.5	26.0
V0440.AC0857	3/4“	11.5	6.0	32.0
V0440.AC0859	1“	13.5	6.0	37.0



V0420

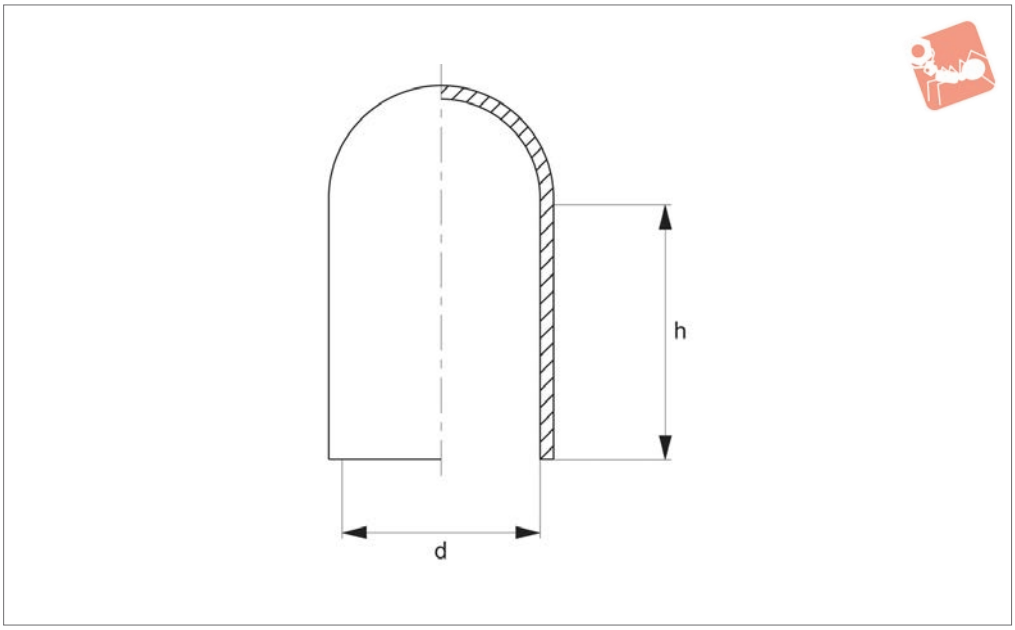
Material
Low density polyethylene, yellow.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	l	t	d_2
V0420.AC0781	21	9	5	1/8“
V0420.AC0783	21	9	5	1/4“
V0420.AC0785	23	10	6	3/8“
V0420.AC0787	28	12	6	1/2“
V0420.AC0801	21	9	5	M12
V0420.AC0803	21	9	5	M14
V0420.AC0805	23	10	6	M16
V0420.AC0807	23	10	6	M18
V0420.AC0809	28	12	6	M20
V0420.AC0811	28	12	6	M22

High Temperature Caps
silicone

V0500

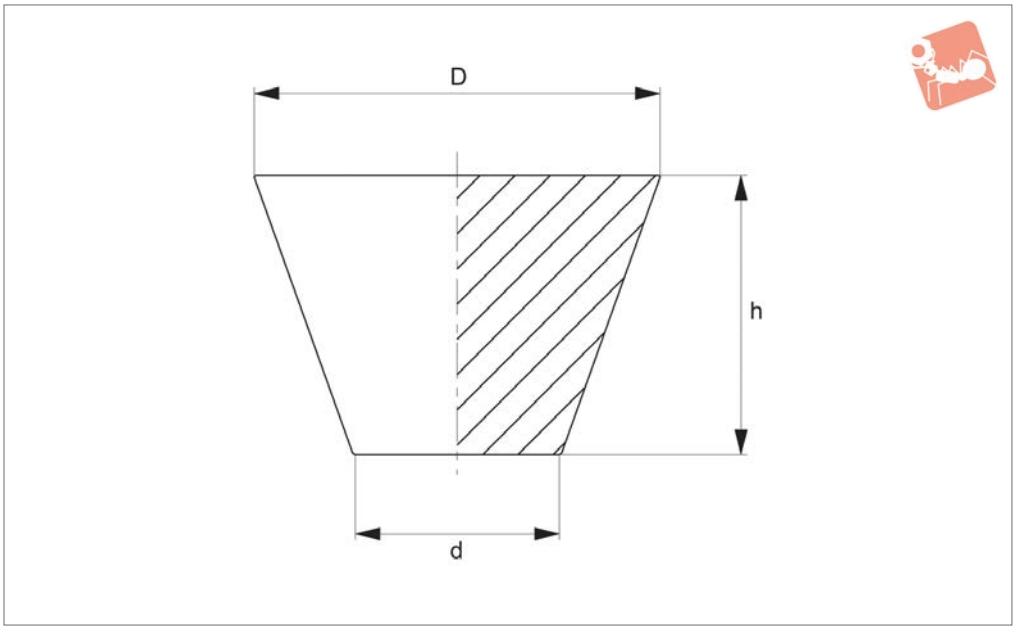


Material
Silicone, natural.
Temperature resistant to +300°C.

Technical Notes
To fit on studs, screws or tubes for masking of components during powder coating and other finishing processes.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d	h
V0500.AC0501	1.8	25.4
V0500.AC0503	2.5	25.4
V0500.AC0505	3.8	25.4
V0500.AC0507	4.6	25.4
V0500.AC0509	5.7	38.1
V0500.AC0511	7.5	38.1
V0500.AC0512	7.9	25.4
V0500.AC0513	9.5	25.4
V0500.AC0515	11.6	38.1
V0500.AC0517	13.6	38.1
V0500.AC0519	15.9	38.1
V0500.AC0521	19.1	38.1
V0500.AC0522	20.6	38.1
V0500.AC0523	23.8	38.1



V0505

Material
Silicone, natural.
Temperature resistant to +300°C.

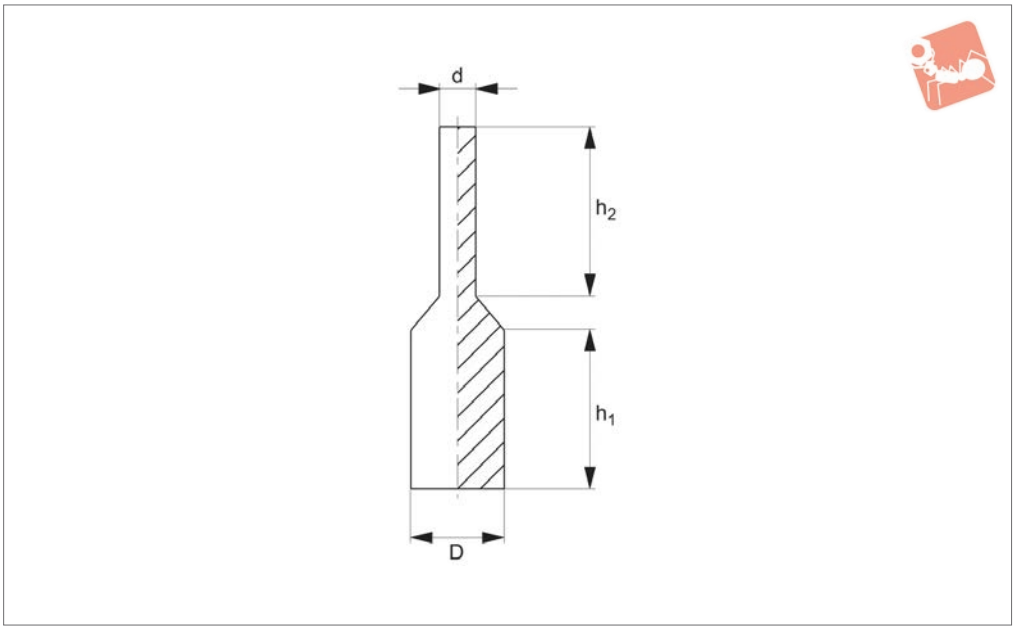
Technical Notes
Plugging of plain or threaded holes for wide range if finishing processes such as spraying, over painting etc.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	h	d_2
V0505.AC0531	0.8	15.9	3.2
V0505.AC0533	1.6	15.9	4.8
V0505.AC0535	3.2	19.1	6.4
V0505.AC0537	4.8	15.9	8.7
V0505.AC0539	6.4	19.1	9.5
V0505.AC0540	7.9	25.4	14.3
V0505.AC0541	8.7	17.5	11.1
V0505.AC0543	10.3	25.4	15.1
V0505.AC0545	12.7	25.4	16.7
V0505.AC0547	14.3	25.4	19.1
V0505.AC0549	15.9	25.4	19.8
V0505.AC0551	18.3	25.4	23.8
V0505.AC0553	19.8	25.4	25.4

High Temperature Pull Plugs
silicone

V0510

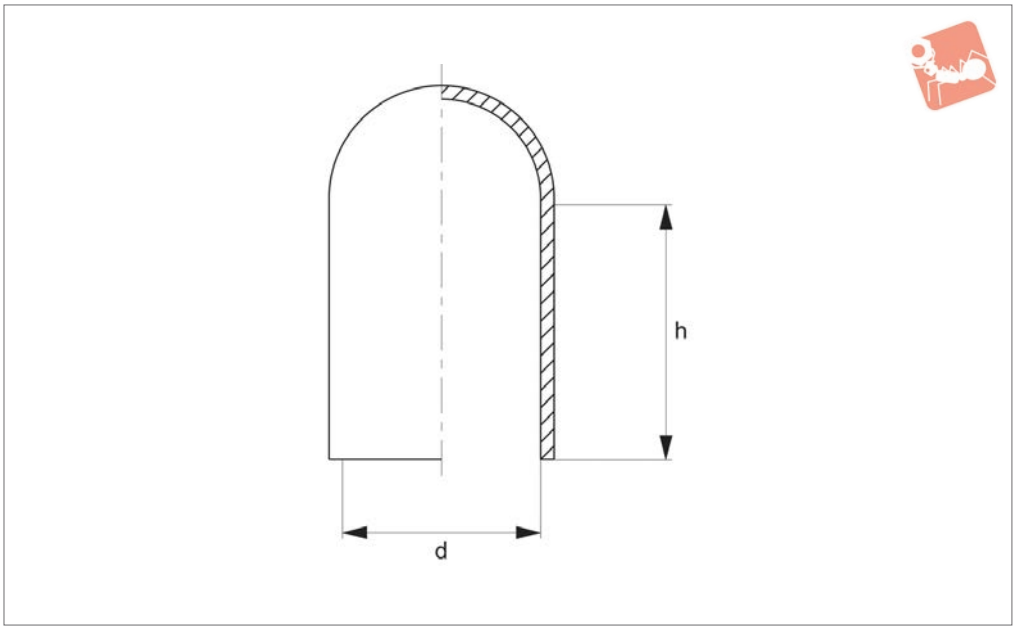


Material
Silicone, natural.
Temperature resistant to +300°C.

Technical Notes
For masking plain or threaded holes. Pull out tab improves ease of removal after finishing process.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	d_2	h_1	h_2
V0510.AC0102	1.7	1.2	15.9	15.5
V0510.AC0106	2.4	1.3	17.8	17.8
V0510.AC0114	3.2	1.6	15.9	15.9
V0510.AC0122	4.0	1.6	15.9	19.1
V0510.AC0124	5.0	2.8	25.4	25.4
V0510.AC0130	6.5	3.3	25.4	25.4
V0510.AC0132	8.5	3.9	25.4	25.4
V0510.AC0138	10.2	4.0	25.4	25.4
V0510.AC0140	12.0	6.2	25.4	25.4
V0510.AC0142	13.5	6.4	25.4	25.4
V0510.AC0146	15.5	6.4	25.4	25.4



V0550

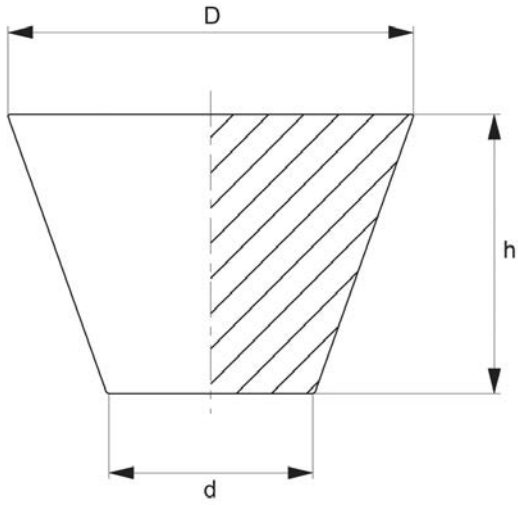
Material
EPDM, black.
Temperature resistant to +180°C.

Technical Notes
To fit on studs, screws or tubes for masking of components during powder coating and other finishing processes.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d	h
V0550.AC0621	1.6	19.1
V0550.AC0625	2.5	12.7
V0550.AC0627	2.8	19.1
V0550.AC0629	3.8	19.1
V0550.AC0631	3.8	25.4
V0550.AC0633	4.0	25.4
V0550.AC0635	4.4	25.4
V0550.AC0637	4.8	25.4
V0550.AC0641	5.7	25.4
V0550.AC0643	5.9	25.4
V0550.AC0645	7.9	25.4
V0550.AC0647	9.5	25.4
V0550.AC0649	11.6	25.4
V0550.AC0651	13.6	38.1
V0550.AC0653	15.9	38.1
V0550.AC0655	19.1	38.1
V0550.AC0657	20.6	38.1
V0550.AC0659	23.8	38.1
V0550.AC0661	25.4	38.1

V0555

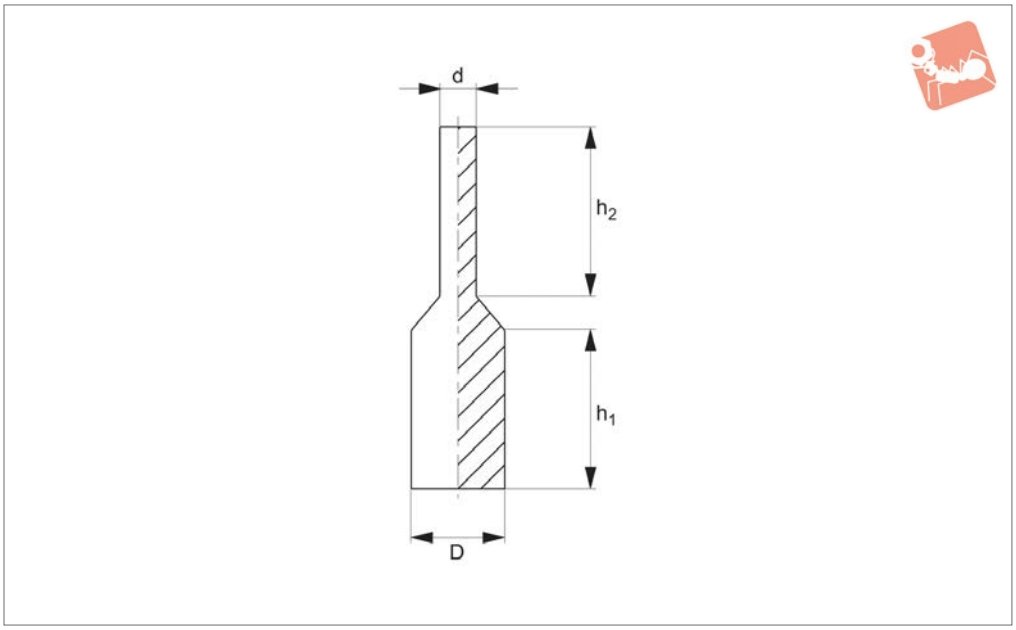


Material
EPDM, black.
Temperature resistant to +180°C.

Technical Notes
Plugging of plain or threaded holes for wide range if finishing processes such as spraying, over painting etc.

Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	h	d_2
V0555.AC0841	0.8	15.9	3.2
V0555.AC0843	1.6	15.9	4.8
V0555.AC0845	3.2	19.1	6.4
V0555.AC0847	4.8	15.9	8.7
V0555.AC0849	6.4	19.1	9.5
V0555.AC0851	8.7	20.6	11.9
V0555.AC0853	10.3	25.4	15.1
V0555.AC0855	11.1	25.4	17.5
V0555.AC0857	14.3	25.4	19.1
V0555.AC0859	15.9	25.4	19.8
V0555.AC0861	18.3	25.4	23.8
V0555.AC0863	19.8	25.4	25.4



V0560

Material
EPDM, black.
Temperature resistant to +180°C.

Technical Notes
For masking plain or threaded holes. Pull out tab improves ease of removal after finishing process.

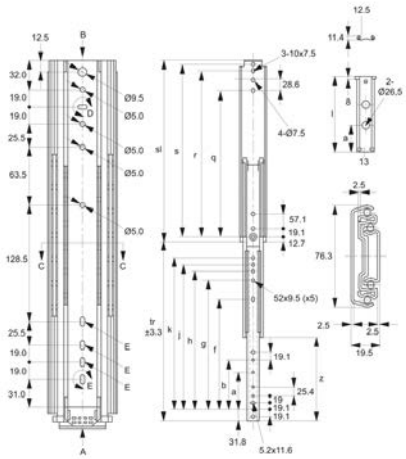
Important Notes
Sold subject to minimum pack quantity.

Order No.	d_1	d_2	h_1	h_2
V0560.AC0200	1.7	1.2	15.9	15.5
V0560.AC0202	2.4	1.3	17.8	17.8
V0560.AC0204	3.2	1.6	15.9	15.9
V0560.AC0206	4.0	1.6	15.9	19.1
V0560.AC0208	5.0	2.8	25.4	25.4
V0560.AC0210	6.5	3.3	25.4	25.4
V0560.AC0212	8.5	3.9	25.4	25.4
V0560.AC0214	10.2	4.0	25.4	25.4
V0560.AC0216	12.0	6.2	25.4	25.4
V0560.AC0218	13.5	6.4	25.4	25.4
V0560.AC0220	15.5	6.4	25.4	25.4

Drawer Slide - Full Extension

200 Kg load per pair

P2000



Material

Cold rolled steel, zinc plated.

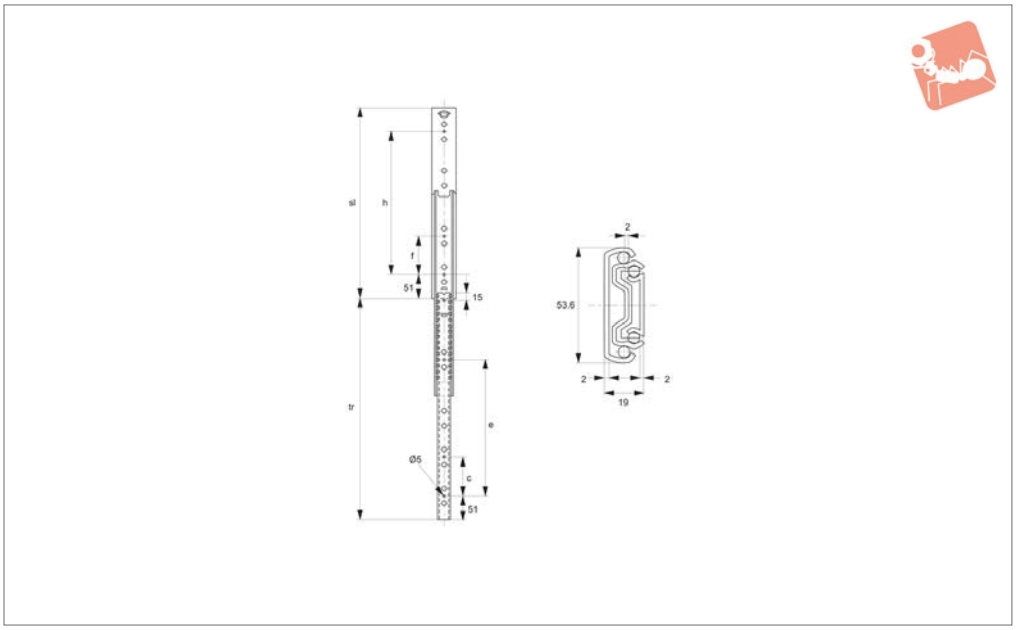
Technical Notes

Positive stop. These slides have been tested to 40,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr ±3.3	a	b	f	g	h	j	k	q	R	s	Load/pair kg max.	Weight g
P2000.AC0025	254	254	-	-	-	103	128	147	166	152	209	228	200	1275
P2000.AC0030	304	304	-	-	-	153	179	198	217	203	260	279	200	1525
P2000.AC0035	355	355	-	-	-	204	230	249	268	254	311	330	200	1775
P2000.AC0040	406	406	127	-	-	255	280	299	319	304	361	381	200	2025
P2000.AC0047	457	457	127	-	246	306	331	350	369	355	412	431	200	2275
P2000.AC0050	508	508	127	190	296	357	382	401	420	406	463	482	200	2525
P2000.AC0055	558	558	127	190	347	407	433	452	471	457	514	533	200	2775
P2000.AC0060	608	608	127	190	398	458	484	503	522	508	565	584	200	3025
P2000.AC0066	660	660	127	190	449	509	534	553	573	558	615	635	200	3275
P2000.AC0071	711	711	127	190	500	560	585	604	623	609	666	685	200	3525



P2100

Material
Cold rolled steel, zinc plated.

Technical Notes
Hold-in detent when slide closed. Positive stop. These slides have been tested to 80,000 usage cycles.

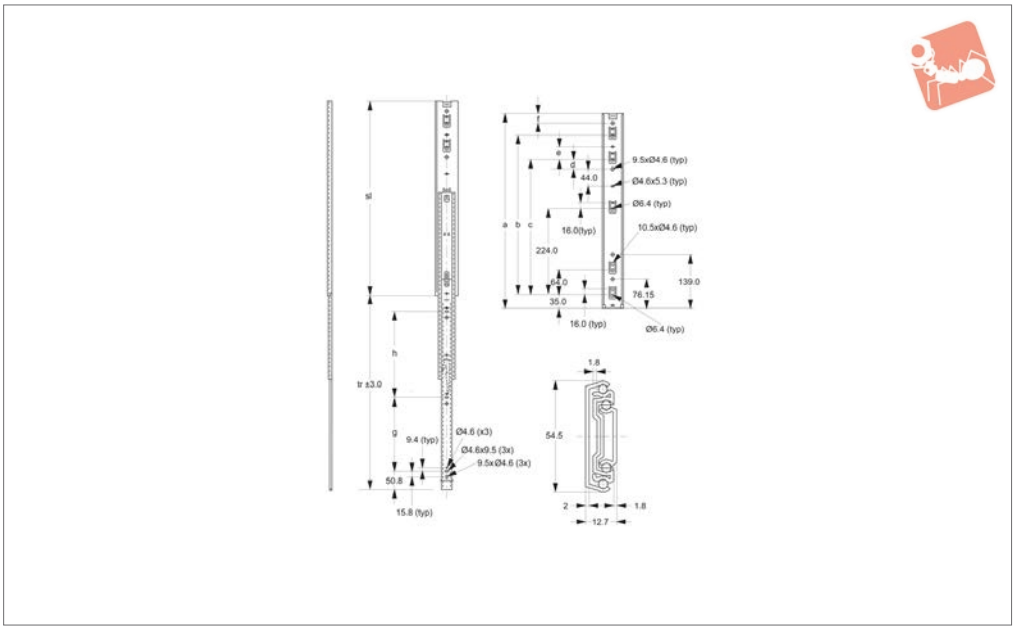
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	e	f	h	Load/pair kg max.	Weight g
P2100.AC0030	300	328	-	160	-	160	80	900
P2100.AC0035	350	375	-	224	-	224	80	1000
P2100.AC0040	400	425	128	256	128	256	80	1100
P2100.AC0045	450	475	160	320	160	320	80	1250
P2100.AC0050	500	525	192	352	160	352	80	1400
P2100.AC0055	550	574	192	416	224	416	80	1500
P2100.AC0060	600	610	256	480	256	480	80	1650
P2100.AC0065	650	674	256	512	256	512	80	1950
P2100.AC0070	700	720	288	576	288	574	80	2100

Drawer Slide - Full Extension

60 Kg load per pair

P2200



Material

Cold rolled steel, zinc plated.

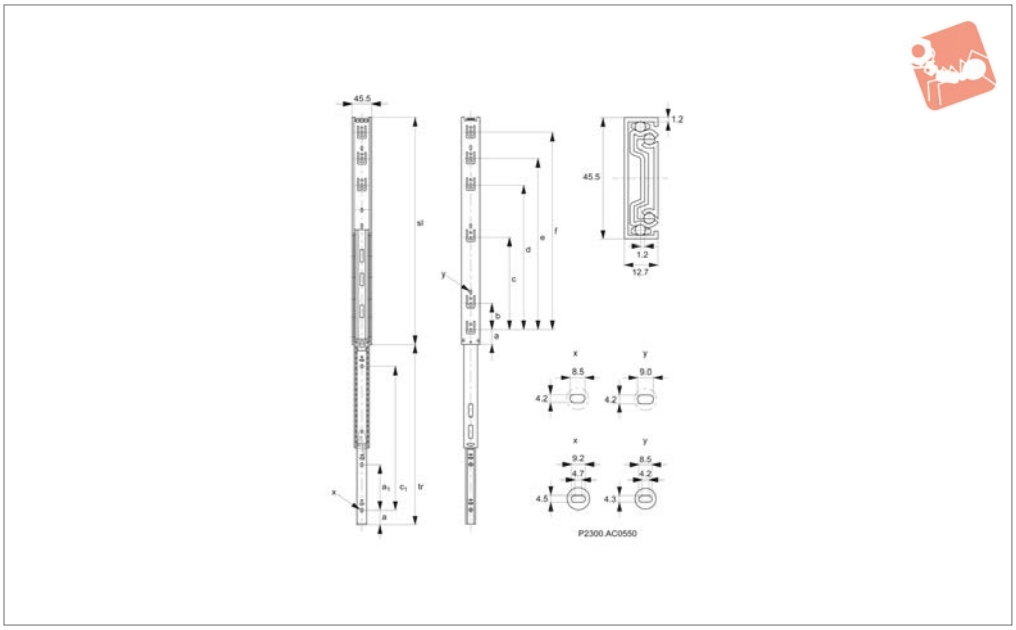
Technical Notes

Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 80,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr ±3.0	b	c	d	e	f	g	h	Load/pair kg max.	Weight g
P2200.AC0304	304.8	304.8	-	-	-	-	-	96.0	128.0	60	740
P2200.AC0355	335.6	335.6	-	-	-	-	46.6	128.0	128.0	60	860
P2200.AC0406	406.4	406.4	288.0	-	-	-	33.4	160.0	160.0	60	985
P2200.AC0457	457.2	457.2	352.0	-	25.45	32.15	-	160.0	192.0	60	1110
P2200.AC0508	508.0	508.0	352.0	416.0	25.45	32.15	-	192.0	224.0	60	1250
P2200.AC0558	558.8	558.8	352.0	416.0	25.45	32.15	57.8	224.0	256.0	60	1380
P2200.AC0609	609.6	609.6	352.0	480.0	25.45	32.15	44.8	256.0	256.0	60	1500
P2200.AC0660	660.4	660.4	352.0	544.0	25.45	32.15	-	256.0	320.0	60	1620
P2200.AC0711	711.2	711.2	352.0	544.0	25.45	32.15	82.2	256.0	352.0	60	1750



P2300

Material
Cold rolled steel, zinc plated.

Technical Notes
Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

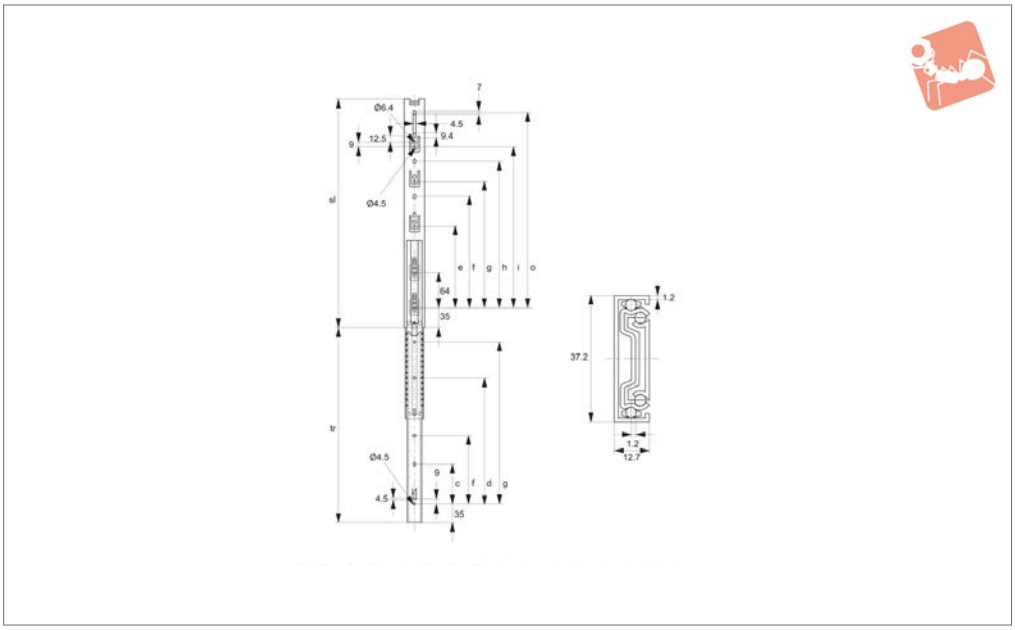
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	a	b	b_1	c	c_1	d	e	f	Load/pair kg max.	Weight g
P2300.AC0250	250	250	35	160	160	-	-	-	-	-	45	390
P2300.AC0300	300	300	35	64	96	224	192	-	-	-	45	470
P2300.AC0350	350	350	35	64	128	224	256	-	-	-	45	555
P2300.AC0400	400	400	35	64	128	224	320	288	-	-	45	635
P2300.AC0450	450	450	35	64	160	224	352	352	-	-	45	745
P2300.AC0500	500	500	35	64	192	224	416	352	416	-	45	795
P2300.AC0550	550	550	35	64	224	224	448	352	416	-	45	880
P2300.AC0600	600	600	35	64	224	224	512	352	480	-	45	970
P2300.AC0650	650	650	35	64	256	224	544	352	512	-	45	1050
P2300.AC0700	700	700	35	64	288	224	608	352	480	608	45	1130

Drawer Slide - Full Extension

30 Kg load per pair

P2500



Material

Cold rolled steel, zinc plated.

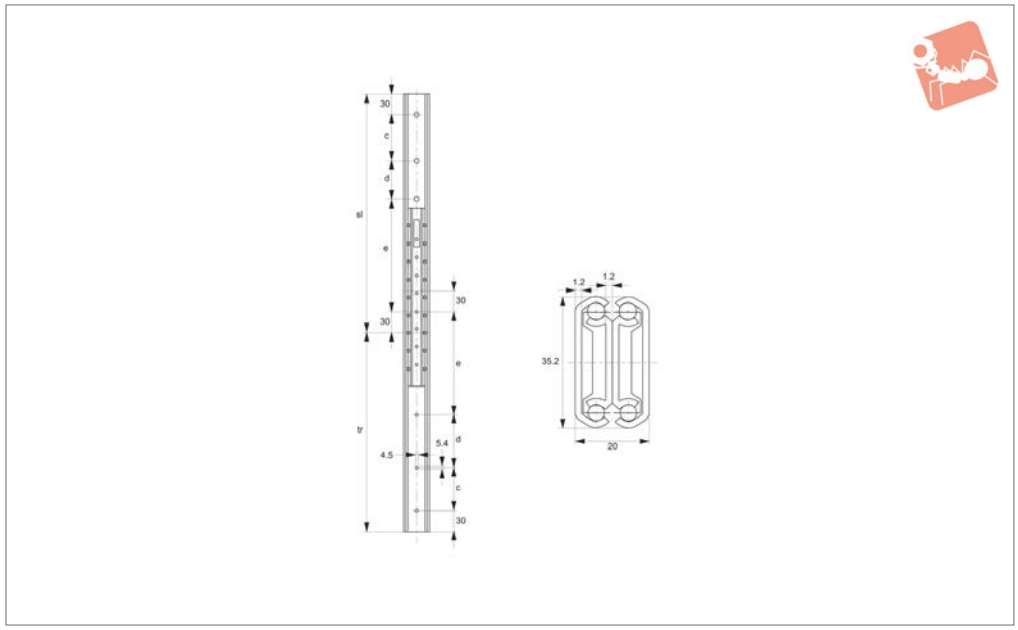
Technical Notes

Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	e	f	g	h	i	o	Load/pair kg max.	Weight g
P2500.AC0250	250	254	160	-	-	-	-	-	160	-	30	300
P2500.AC0300	300	305	96	192	160	-	-	-	224	-	30	400
P2500.AC0350	350	356	128	256	150	-	-	-	224	-	30	450
P2500.AC0400	400	406	128	320	150	-	-	224	288	-	30	500
P2500.AC0450	450	457	160	352	150	-	-	224	352	-	30	510
P2500.AC0500	500	508	192	416	160	224	288	352	416	-	30	650
P2500.AC0550	550	552	224	448	160	224	288	352	416	480	30	700



P2600

Material
Cold rolled steel, zinc plated.

Technical Notes
Positive stop.

These slides have been tested to 60,000 usage cycles.

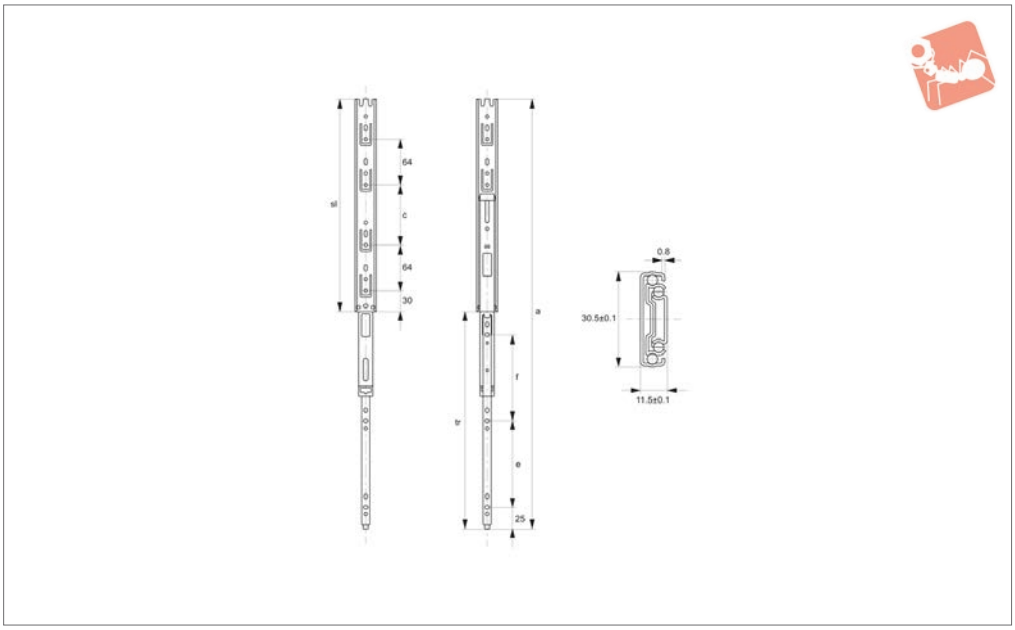
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	e	Load/pair kg max.	Weight g
P2600.AC0300	300	300	98	49	98	60	600
P2600.AC0350	350	350	98	98	98	60	700
P2600.AC0400	400	400	127	84	126	60	800
P2600.AC0450	450	450	127	135	127	60	900
P2600.AC0500	500	500	160	120	160	60	1000

Drawer Slide - Full Extension

lever disconnect - 20 Kg load per pair

P2700



Material

Cold rolled steel. Finishing: black

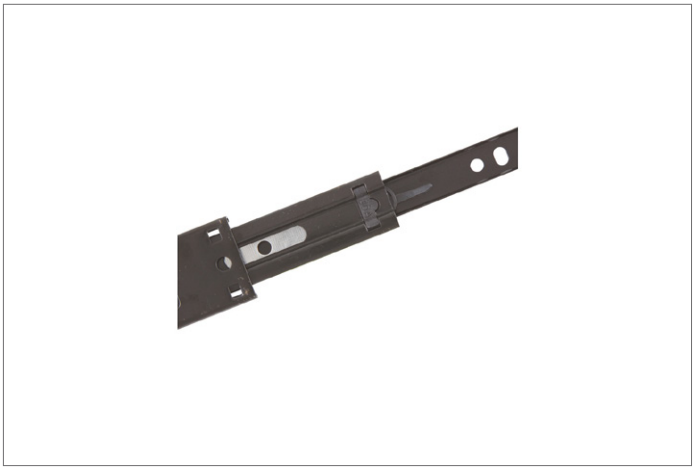
Technical Notes

Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	a	c	e	f	Load/pair kg max.	Weight g
P2700.AC0200	200	200	400	71	71	71	20	257
P2700.AC0250	250	250	500	99	96	96	20	315
P2700.AC0300	300	300	600	85	121	121	20	370
P2700.AC0350	350	350	700	135	146	146	20	425
P2700.AC0400	400	400	800	185	171	171	20	480
P2700.AC0450	450	450	900	235	191	191	20	532



Weight capacity

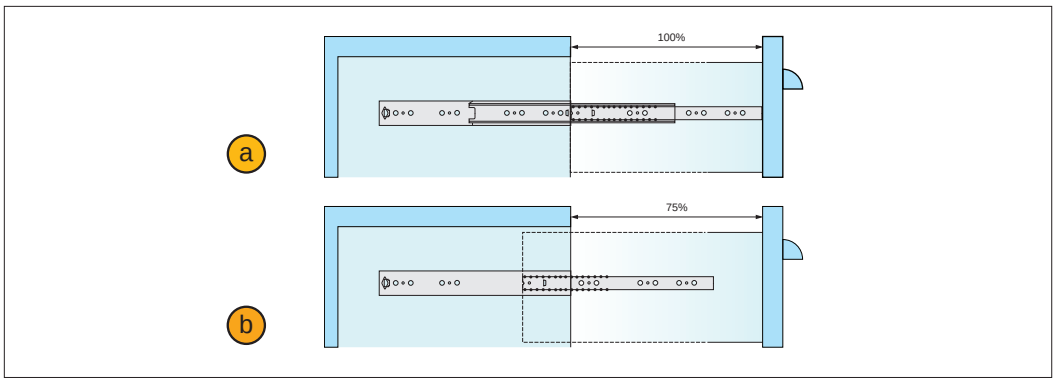
Weight capacity/pair Kg - is the static load per pair of drawer slides, measured at the centre of a pair of slides, side mounted, spaced 450mm apart, and is based on use of all fixing points on the slide.

Important Note: Flat mounting of drawer slides, as opposed to the standard side mounding of slides, is not recommended as it results in a greatly reduced load capacity equal to only 25% of the stated weight capacity.

Drawer slide terms

Slide length (sl) The longest dimension of a fully closed slide, this should not exceed the depth of cabinet in which slide is installed.

Slide travel (tr) Distance a drawer slide moves from fully closed position. (slide length + slide travel = fully extended slide length).



Full extension This type of drawer slide can be extended 100% of slide length, this is standard for most 3 piece drawer slides. (a)

3/4 extension This type of drawer slide extends to approx. 75% of the slide length, this is standard for most 2 piece drawer slides. (b)

Positive stop Drawer stops at extended/open position but does not lock or detent.

Positive lock Drawer is firmly held in extended/open position by means of a mechanical catch. Drawer is released by depressing a lever and pushing drawer inward. From the extended/open position the same slide may be disconnected by depressing the lever and pulling the drawer out.

Hold-in detent Drawer is firmly held in closed position, and released by pulling drawer open (also known as positive catch).

Lever disconnect From the extended/open position the slide may be disconnected by depressing lever and pulling drawer out.

Self-closing Toward end of drawer slide closing stroke, slide is drawn into the fully closed position.

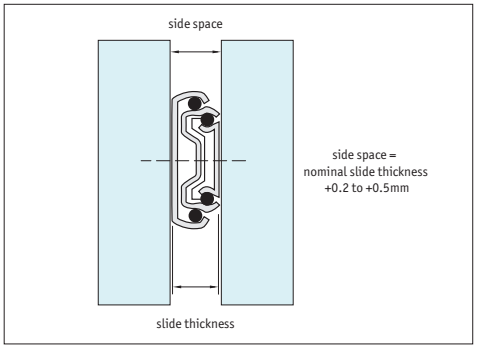
Soft self-closing Toward end of drawer slide closing stroke, slide movement is slowed and then drawn into fully closed position.

Side mounting tolerances

When mounting we recommend a side space equal to the slide thickness with an additional 0,2 to 0,5 mm for optimal positioning.

Mounting with less than 0,2 mm side tolerance can result in poor running of the drawer slide and jamming of the slide - the same is true if tolerances over 0,5mm are used.

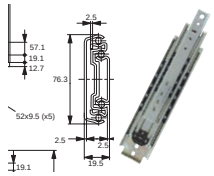
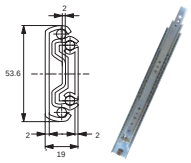
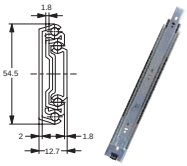
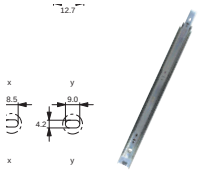
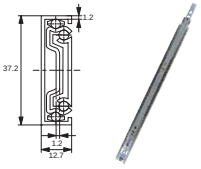
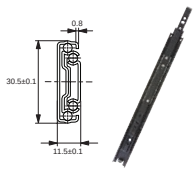
Ensure cabinet/enclosure faces are square and parallel prior to mounting of the drawer slides.



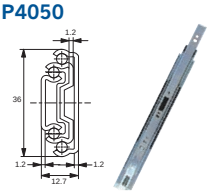
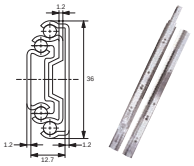
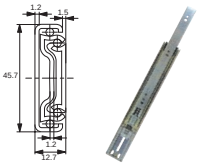
Wixroyd Drawer Slides

product selection charts

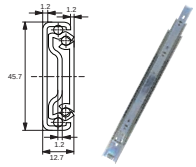
Full Extension - Drawer Slides

		Weight Cap/Pair Kg	Slide Length mm	Full Extension	3/4 Extension	Material: Steel, Zinc Plate	Material: Stainless Steel	Hold-in Detent	Lever Disconnect	Positive Stop	Self Closing	Soft Self Closing	Positive Lock
P2000		200	254-711	✓		✓				✓			
P2100		80	300-700	✓		✓		✓		✓			
P2200		60	304-711	✓		✓		✓	✓	✓			
P2300		45	250-700	✓		✓		✓	✓	✓			
P2500		30	250-550	✓		✓		✓	✓	✓			
P2600		60	300-500	✓		✓				✓			
P2700		20	200-450	✓		✓		✓	✓	✓			

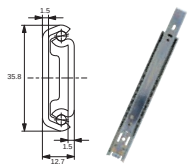
Full Extension - Lever Disconnect Drawer Slides

		Weight Cap/Pair Kg	Slide Length mm	Full Extension	3/4 Extension	Material: Steel, Zinc Plate	Material: Stainless Steel	Hold-in Detent	Lever Disconnect	Positive Stop	Self Closing	Soft Self Closing	Positive Lock
P4050		30	250-600	✓		✓		✓	✓	✓	✓		
P4080		30	350-700	✓		✓			✓	✓		✓	
P4100		45	300-700	✓		✓		✓	✓	✓	✓		

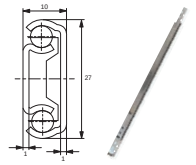
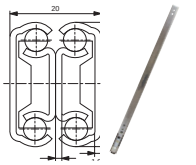
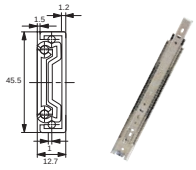
Full Extension - Positive Stop Drawer Slides

		Weight Cap/Pair Kg	Slide Length mm	Full Extension	3/4 Extension	Material: Steel, Zinc Plate	Material: Stainless Steel	Hold-in Detent	Lever Disconnect	Positive Stop	Self Closing	Soft Self Closing	Positive Lock
P5100		45	250-700	✓		✓		✓	✓	✓			✓

3/4 Extension Drawer Slides

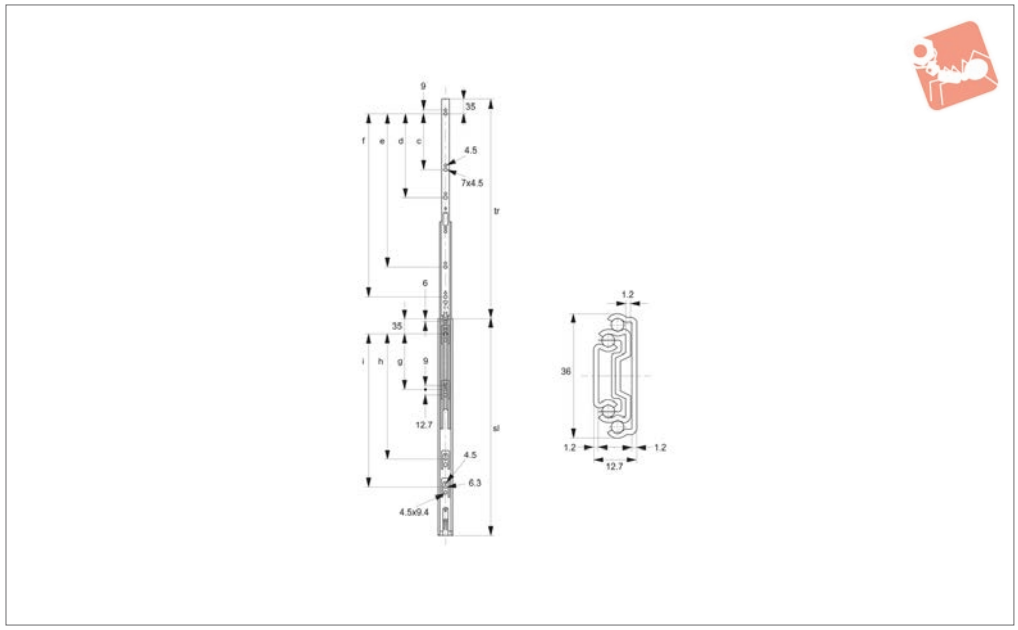
		Weight Cap/Pair Kg	Slide Length mm	Full Extension	3/4 Extension	Material: Steel, Zinc Plate	Material: Stainless Steel	Hold-in Detent	Lever Disconnect	Positive Stop	Self Closing	Soft Self Closing	Positive Lock
P6000		30	250-700		✓	✓		✓	✓	✓			

Stainless Steel Drawer Slides

		Weight Cap/Pair Kg	Slide Length mm	Full Extension	3/4 Extension	Material: Steel, Zinc Plate	Material: Stainless Steel	Hold-in Detent	Lever Disconnect	Positive Stop	Self Closing	Soft Self Closing	Positive Lock
P7000		15	200-600		✓		✓			✓			
P7100		30	200-550	✓			✓			✓			
P7200		45	300-700	✓			✓			✓			

Drawer Slide - Full Extension

lever disconnect - self-closing - 30 Kg load per pair



P4050

Material

Cold rolled steel, zinc plated.

Technical Notes

Self-closing (via dual spring) - toward end of slide closing stroke, pulls draw into fully closed position. Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 80,000 usage cycles.

Important Notes

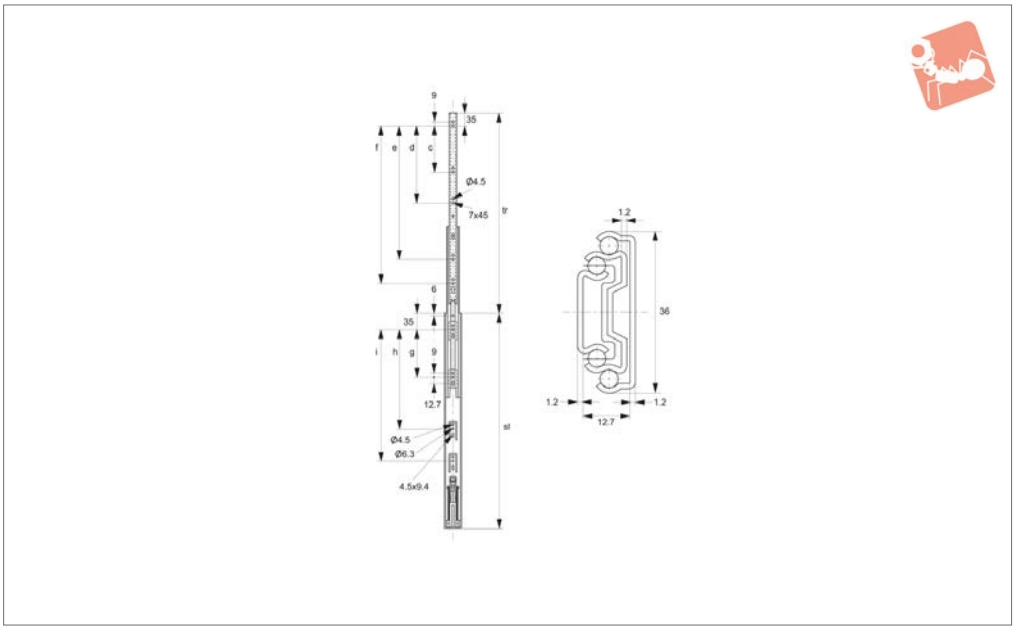
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	e	d	f	g	h	i	Load/pair kg max.	Weight g
P4050.AC0200	200	200	-	-	-	-	-	-	65	30	200
P4050.AC0250	250	254	-	-	-	-	-	-	96	30	250
P4050.AC0300	300	305	-	-	-	172	-	-	160	30	300
P4050.AC0350	350	356	128	-	-	222	128	-	224	30	350
P4050.AC0400	400	406	128	-	-	272	128	-	256	30	400
P4050.AC0450	450	457	128	320	-	322	128	-	320	30	480
P4050.AC0500	500	508	128	352	192	422	128	288	352	30	550
P4050.AC0550	550	559	128	410	224	472	128	282	410	30	625
P4050.AC0600	600	610	128	416	224	522	128	320	448	30	650

Drawer Slide - Full Extension

lever disconnect - soft-closing - 30 Kg load per pair

P4080



Material

Cold rolled steel, zinc plated.

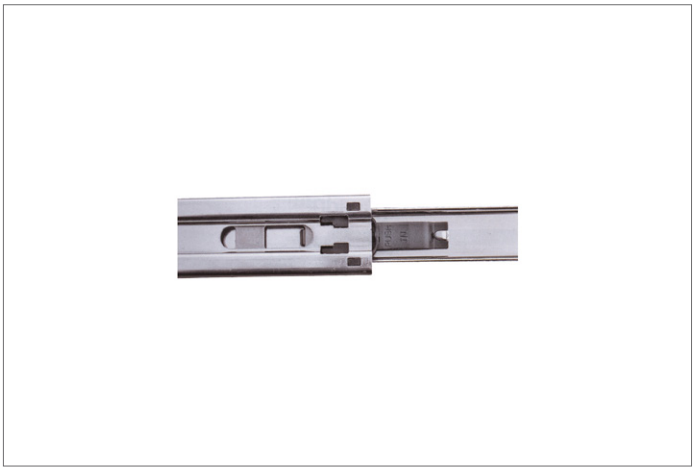
Technical Notes

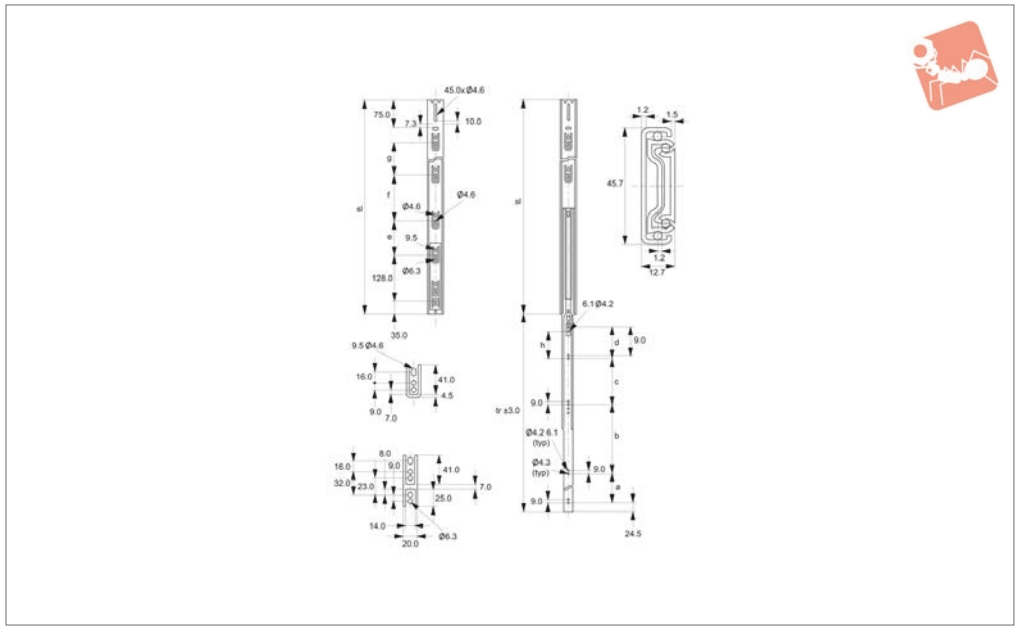
Soft-closing - first slows closing of slide (via hyd. piston), then pulls draw into fully closed position (via dual spring). Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 80,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	e	d	f	g	h	i	Load/pair kg max.	Weight g
P4080.AC0350	350	325	-	-	-	228	-	-	160	30	350
P4080.AC0400	400	375	128	-	-	278	128	-	224	30	400
P4080.AC0450	450	425	128	-	-	328	128	-	272	30	475
P4080.AC0500	500	475	128	320	-	378	128	-	320	30	550
P4080.AC0550	550	525	128	352	224	428	128	256	352	30	600
P4080.AC0600	600	575	128	385	224	478	128	288	416	30	650
P4080.AC0650	650	625	128	416	224	528	128	320	448	30	700
P4080.AC0700	700	675	128	448	224	578	128	352	512	30	750





P4100

Material
Cold rolled steel, zinc plated.

Technical Notes
Self-closing (via dual spring) - toward end of slide closing stroke, pulls draw into fully closed position. Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 80,000 usage cycles.

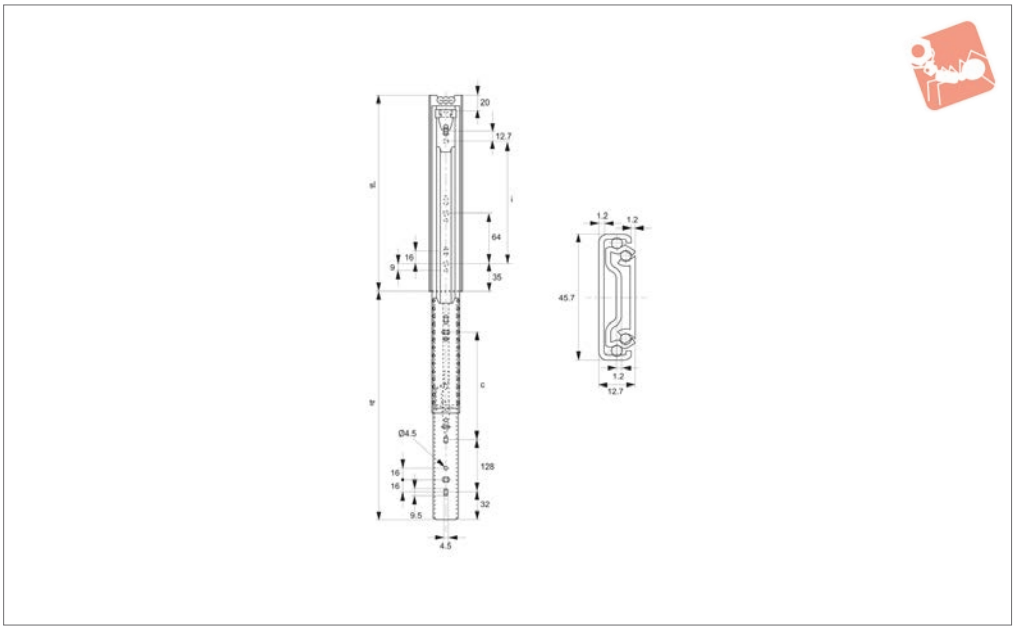
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	a	c	b	e	d	f	g	h	Load/pair kg max.	Weight g
P4100.AC0300	300	304.8	96.0	-	128.0	-	-	-	-	-	45	430
P4100.AC0350	350	355.6	96.0	-	160.0	-	-	-	-	-	45	523
P4100.AC0400	400	406.4	96.0	128.0	96.0	-	-	96.0	-	-	45	603
P4100.AC0450	450	457.2	96.0	160.0	96.0	-	-	96.0	-	-	45	690
P4100.AC0500	500	508.0	128.0	64.0	192.0	-	-	96.0	128.0	-	45	763
P4100.AC0550	550	558.8	96.0	192.0	96.0	-	64.0	96.0	128.0	-	45	846
P4100.AC0600	600	609.6	96.0	192.0	96.0	-	96.0	96.0	128.0	-	45	926
P4100.AC0650	650	660.4	96.0	192.0	96.0	-	160.0	96.0	128.0	-	45	976
P4100.AC0700	700	711.2	224.0	128.0	192.0	64.0	-	96.0	128.0	192.0	45	1096

Drawer Slide - Full Extension

lever disconnect - positive-lock - 45 Kg load per pair

P5100



Material

Cold rolled steel, zinc plated.

Technical Notes

Positive Lock - slide firmly held in open position, to release depress lever and push draw inward. Hold-in detent when slide closed. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

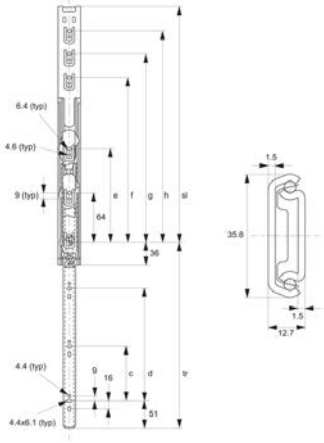
Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	p	Load/pair kg max.	Weight g
P5100.AC0250	250	240	-	174	45	350
P5100.AC0300	300	295	-	236	45	475
P5100.AC0350	350	350	159	254	45	600
P5100.AC0400	400	406	128	288	45	650
P5100.AC0450	450	450	270	350	45	700
P5100.AC0500	500	500	240	416	45	750
P5100.AC0550	550	545	239	430	45	850
P5100.AC0600	600	595	300	494	45	950
P5100.AC0650	650	659	302	558	45	1050
P5100.AC0700	700	709	335	650	45	1150

Drawer Slide - 3/4 Extension

lever disconnect - 30 Kg load per pair



P6000

Material
Cold rolled steel, zinc plated.

Technical Notes
Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

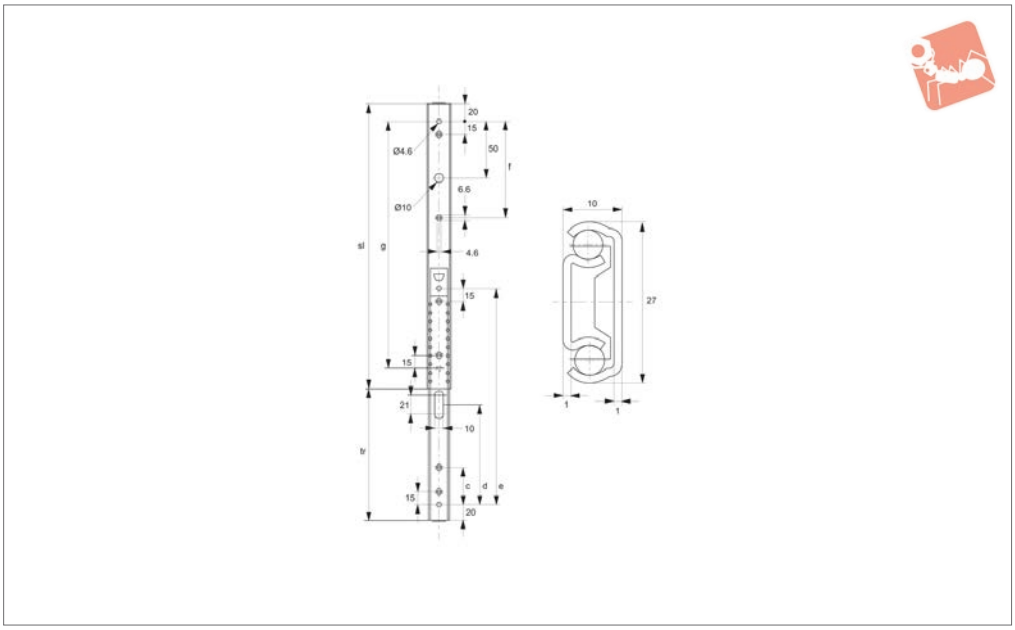
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	f	g	h	Load/pair kg max.	Weight g
P6000.AC0200	200	105	-	-	-	-	-	30	135
P6000.AC0250	250	165	-	-	-	-	-	30	170
P6000.AC0300	300	200	96	224	-	-	224	30	200
P6000.AC0350	350	255	128	288	-	-	256	30	250
P6000.AC0400	400	295	160	320	-	192	288	30	300
P6000.AC0450	450	330	160	352	-	224	352	30	375
P6000.AC0500	500	375	192	416	224	320	416	30	425
P6000.AC0550	550	415	224	448	224	352	448	30	475
P6000.AC0600	600	460	256	512	224	352	480	30	500
P6000.AC0650	650	520	256	512	352	416	480	30	600
P6000.AC0700	700	590	256	512	352	416	480	30	650

Drawer Slide - 3/4 Extension

15 Kg load per pair - stainless

P7000



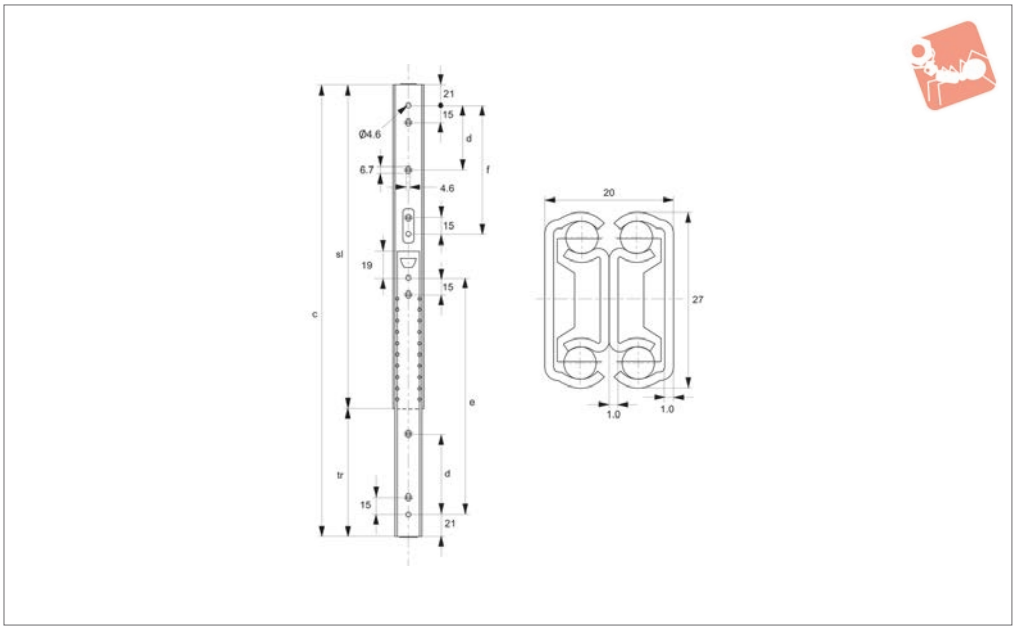
Material
Stainless steel, AISI 304. Bright finish.

Technical Notes
Positive stop.

These slides have been tested to 60,000 usage cycles.

Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	e	f	g	Load/pair kg max.	Weight g
P7000.AC0200	200	160	-	-	-	-	-	15	150
P7000.AC0250	250	150	100	160	210	110	210	15	175
P7000.AC0300	300	200	100	210	260	160	260	15	200
P7000.AC0350	350	250	100	260	310	210	310	15	245
P7000.AC0400	400	275	180	286	360	180	360	15	255
P7000.AC0450	450	305	180	318	410	230	410	15	300
P7000.AC0500	500	355	180	365	460	280	460	15	345
P7000.AC0550	550	400	180	224	510	280	510	15	400
P7000.AC0600	600	440	180	224	560	280	560	15	450



P7100

Material
Stainless steel AISI 304. Bright finish.

Technical Notes
Positive stop.

These slides have been tested to 60,000 usage cycles.

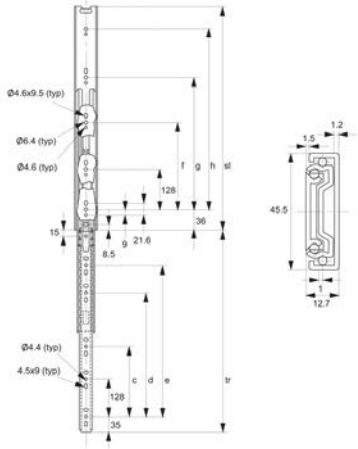
Important Notes
Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	e	f	Load/pair kg max.	Weight g
P7100.AC0200	200	210	415	-	-	-	30	280
P7100.AC0250	250	260	515	85	210	-	30	345
P7100.AC0300	300	310	615	160	260	260	30	415
P7100.AC0350	350	360	715	210	310	310	30	500
P7100.AC0400	400	410	815	180	360	360	30	590
P7100.AC0450	450	460	915	230	410	410	30	645
P7100.AC0500	500	510	1015	280	460	460	30	705
P7100.AC0550	550	560	1100	230	352	352	30	740

Drawer Slide - Full Extension

lever disconnect - 45 Kg load per pair - stainless

P7200



Material

Stainless steel AISI 304. Bright finish.

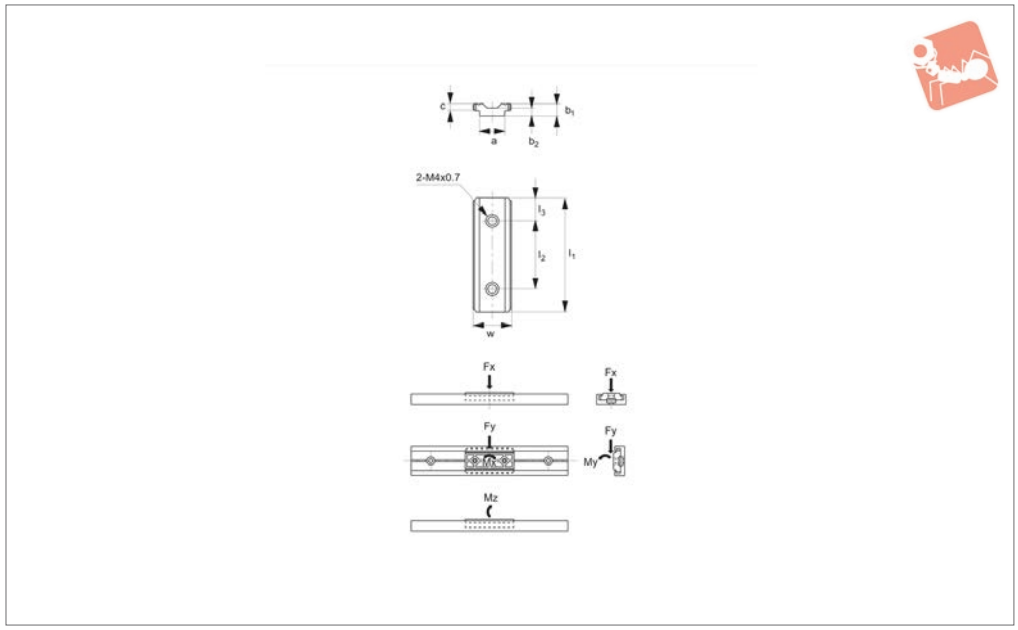
Technical Notes

Hold-in detent when slide closed. Positive stop. Rails can be disconnected via pressing disconnect lever.
These slides have been tested to 60,000 usage cycles.

Important Notes

Load capacity is static load per pair, at the centre of the rails using all mounting holes. **Sold individually as single slides.**

Order No.	Slide length sl	Slide travel tr	c	d	e	f	g	h	Load/pair kg max.	Weight g
P7200.AC0300	300	312	128	-	-	-	-	-	45	500
P7200.AC0350	350	362	128	-	-	-	-	-	45	590
P7200.AC0400	400	412	128	224	-	-	-	-	45	670
P7200.AC0450	450	462	128	224	-	-	-	-	45	775
P7200.AC0500	500	512	128	224	320	-	320	-	45	830
P7200.AC0550	550	562	128	224	352	-	352	-	45	910
P7200.AC0600	600	612	128	224	352	416	352	-	45	990
P7200.AC0700	700	705	320	514	630	255	450	630	45	1100



P0300

Material
Body: special low friction polyethylene.
Insert nut: stainless steel, AISI 302.

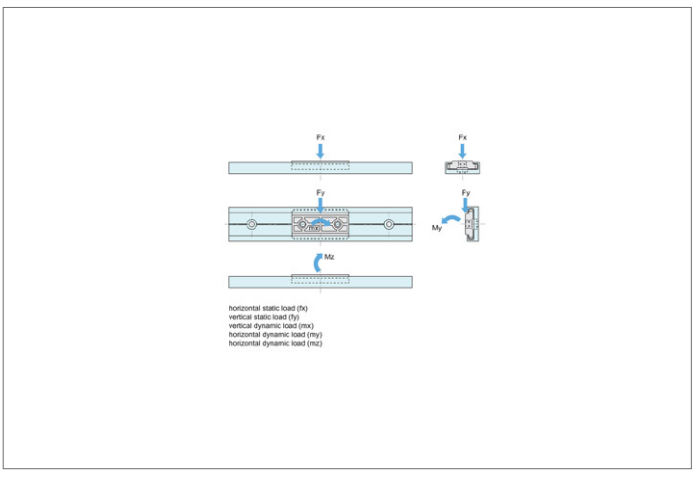
Technical Notes
Compact design for wide range of small stroke applications.
Provides outstanding performance with lighter movement than ball-bearing slides.
Material values:
- Coefficient of friction μ 0.15
- Coefficient of dynamic friction μ 0.10
- Limited PV value 3Mpa.m/min

pv = p (pressure Mpa) x V (slide speed m/min)
p = 0.74 Mpa
V = 12 m/min.

Important Notes
Dynamic and static loads provided as a guide, please apply following reduction factors for application conditions:
- Low speed/low operation frequency = use 70 to 90% of load rating.
- Moderate speed/high operation frequency = use 35 to 65% of load rating.
- High operation frequency with vibration = use 10 to 30% of load rating.

Order No.	Size	Type	a	b_1	b_2	c	w	l_1	l_2	l_3	Weight g
P0300.AC0020	20	Carriage	11.2	5.2	3.5	2.7	16.8	50	30	10	7
P0300.AC0050	30	Carriage	18.0	7.0	-	4.3	25.8	50	30	10	7

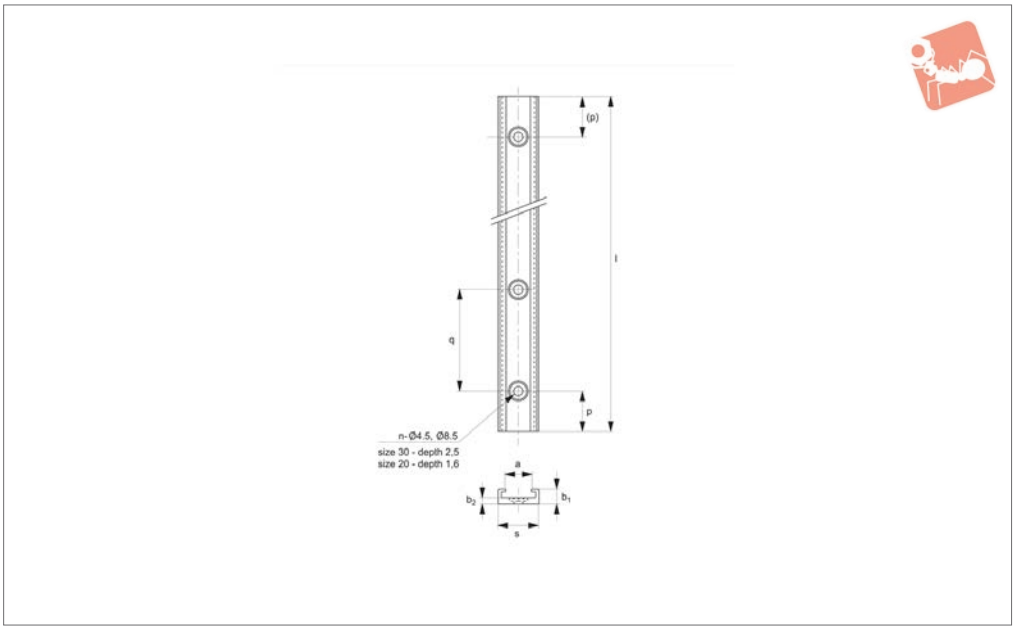
Order No.	Horiz. static load fx kg/f	Vert. static load fy kg/f	Vert. dynm. load mx kg/f	Horiz. dynm. load my kg/f	Horiz. dynm. load mz kg/f
P0300.AC0020	30.6	17.8	-	-	-
P0300.AC0050	26.0	15.0	25.0	12.5	12.5



Mini Slide Rail

for use with mini slide carriage P0300

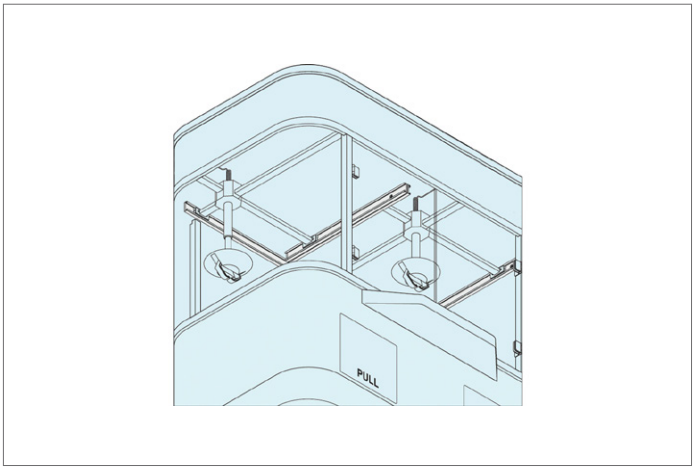
P0350



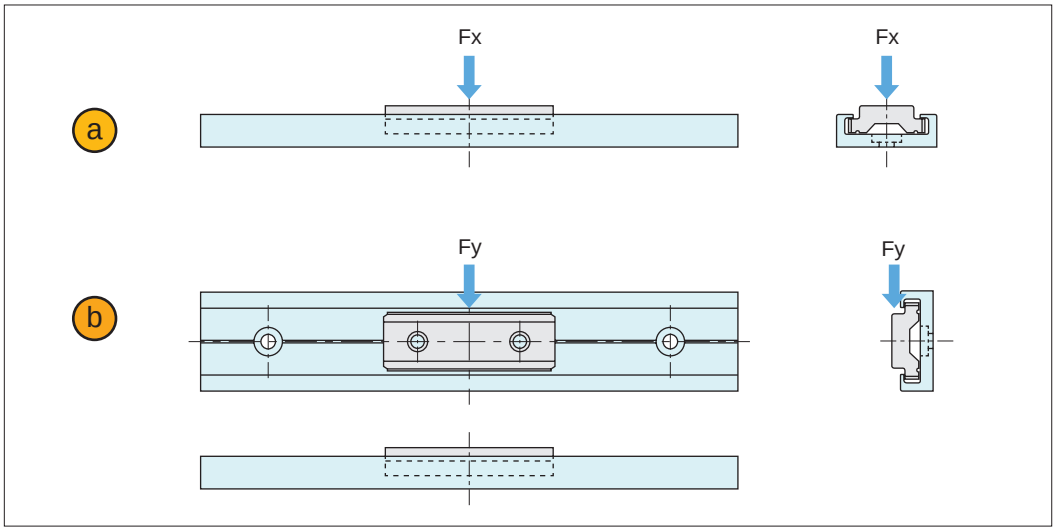
Material
Aluminium, anodized (except ends).

Technical Notes
9-micron anodized film provides excellent protection against corrosion.
Compact design used in conjunction with mini-slide carriage P0300, suitable for wide variety of applications.

Order No.	Size	Type	l	p	No. of holes in slide length	s	a	b_1	b_2	q	Weight g
P0350.AC0010	30	Rail	100	10	3	30	19.8	10.0	3.88	40	39
P0350.AC0020	30	Rail	200	20	5	30	19.8	10.0	3.88	40	79
P0350.AC0040	30	Rail	400	20	10	30	19.8	10.0	3.88	40	159
P0350.AC0080	30	Rail	800	20	20	30	19.8	10.0	3.88	40	312
P0350.AC0200	30	Rail	2000	20	50	30	19.8	10.0	3.88	40	790
P0350.AC0012	20	Rail	100	25	2	20	11.2	8.2	2.88	50	20
P0350.AC0022	20	Rail	200	25	4	20	11.2	8.2	2.88	50	40
P0350.AC0042	20	Rail	400	25	8	20	11.2	8.2	2.88	50	80
P0350.AC0082	20	Rail	800	25	16	20	11.2	8.2	2.88	50	160
P0350.AC0202	20	Rail	2000	25	40	20	11.2	8.2	2.88	50	400



Load ratings



a Horizontal static load Fx	30.6 kgf (67.5 lbs)
b Vertical static load Fy	17.8 kgf (39.2 lbs)

Load rating for mini slider P0300.AC0020 (size 20)

Material values

Coefficient of friction μ 0.15

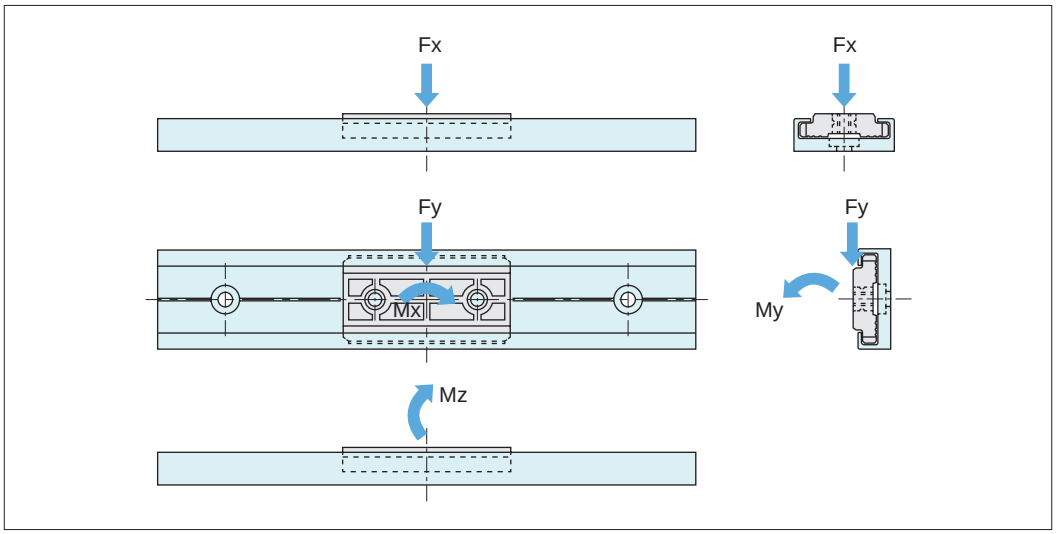
Coefficient of dynamic friction μs 0.10

Limited PV value 3 Mpa.m/min

PV = p (pressure Mpa) x V (slide speed m/min)

p = 0.74 Mpa

V = 12m/min



Horizontal static load Fx	26 kgf (57.2 lbs)
Verical static load Fy	15 kgf (33 lbs)
Vertical dynamic load Mx	25 kgf • cm (21.6 lbs • in)
Horizontal dynamic load My	12.5 kgf • cm (10.8 lbs • in)
Horizontal dynamic load Mx	12.5 kgf • cm (10.8 lbs • in)

Load rating for mini slider P0300.AC0050 (size 30)

Important Note: Dynamic and static loads provided as a guide, please apply following reduction factors for application conditions:

Low speed/low operation frequency = use 70 to 90% of load rating.

Moderate speed/high operation frequency = use 35 to 65% of load rating.

High operation frequency with vibration = use 10 to 30% of load rating.