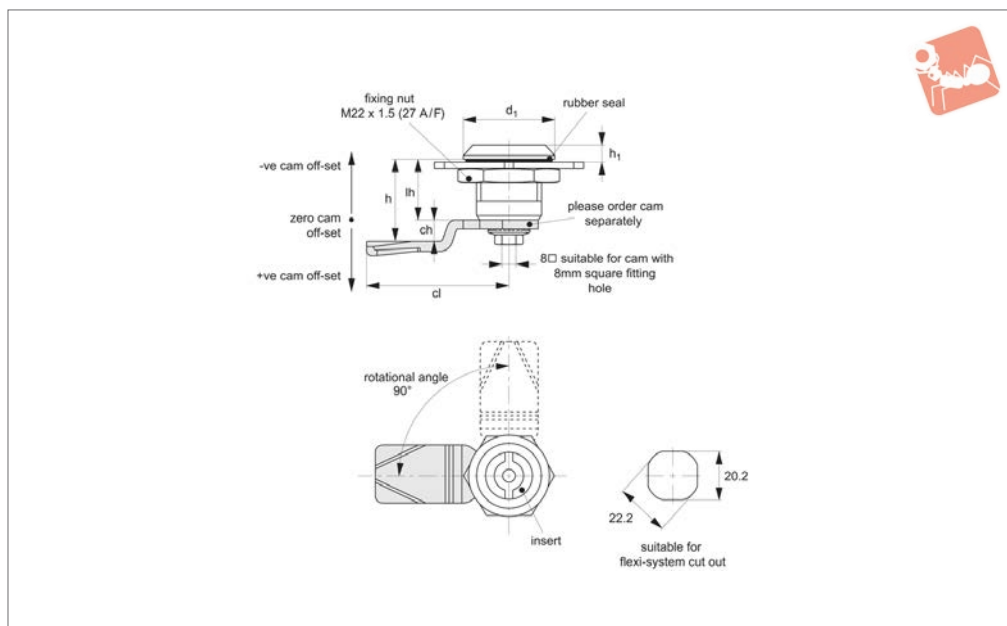




Cam Latches - Flexi-System

insert driver - fixed grip - zinc



A1003

CAM LATCHES

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.

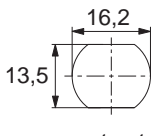


Important Notes

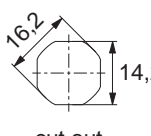



Extended body version - A1251.

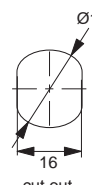






Sold subject to pack quantity.

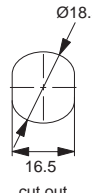



| Order No. | Finish | Insert driver | d ₁ | h ₁ | lh |
|--------------|---------------|----------------|----------------|----------------|----|
| A1003.AW0010 | Chrome Plated | Square 7 | 28 | 6 | 18 |
| A1003.AW0310 | Black Coated | Square 7 | 28 | 6 | 18 |
| A1003.AW0020 | Chrome Plated | Square 8 | 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 |



|  cut out | Actuation Method | | | Body | Finishes | Cam Type | | IP Rating |
|---|------------------|---------------|-------------|------|----------|-----------------|----------------|-----------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | | 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 | | | | | | | | |

|  cut out | Actuation Method | | | Body | Finishes | Cam Type | | IP Rating |
|---|------------------|---------------|-------------|------|----------|-----------------|----------------|-----------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | | 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 | | | | | | | | |

|  cut out | Actuation Method | | | Body length (mm) | Body | Finishes | Cam Type | | IP Rating |
|--|------------------|---------------|-------------|------------------|------|----------|-----------------|----------------|-----------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | | | 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 | | | | | | | | | |

|  cut out | Actuation Method | | | Body length (mm) | Body | Finishes | Cam Type | | IP Rating |
|--|------------------|---------------|-------------|------------------|------|----------|-----------------|----------------|-----------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | | | 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 | | | | | | | | | |



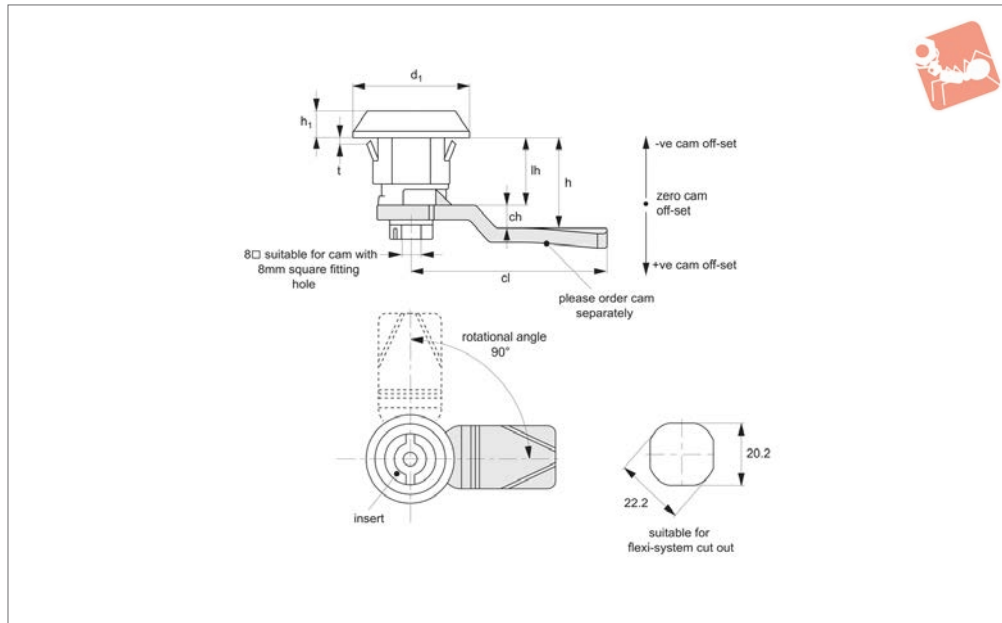
Cam Latches - Snap in - Flexi-System

Fixed grip, polyamide



Cam Latches

CAM LATCHES



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

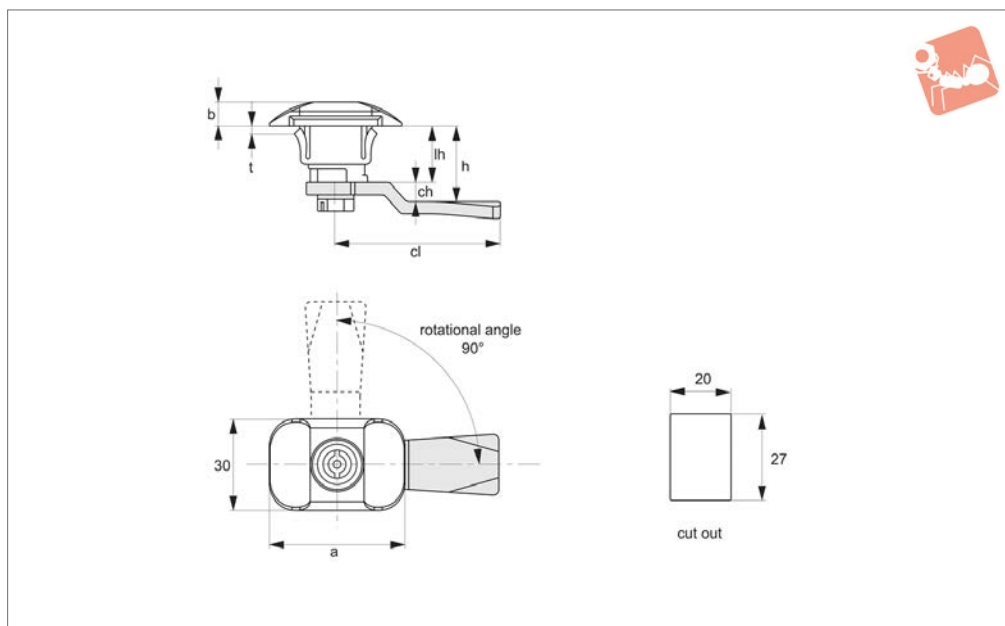
Easy snap on fix mounting. Make cut out in panel as shown, and simply push in handle, snap on clips will spring back to securely mount handle.

| 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 |





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 |

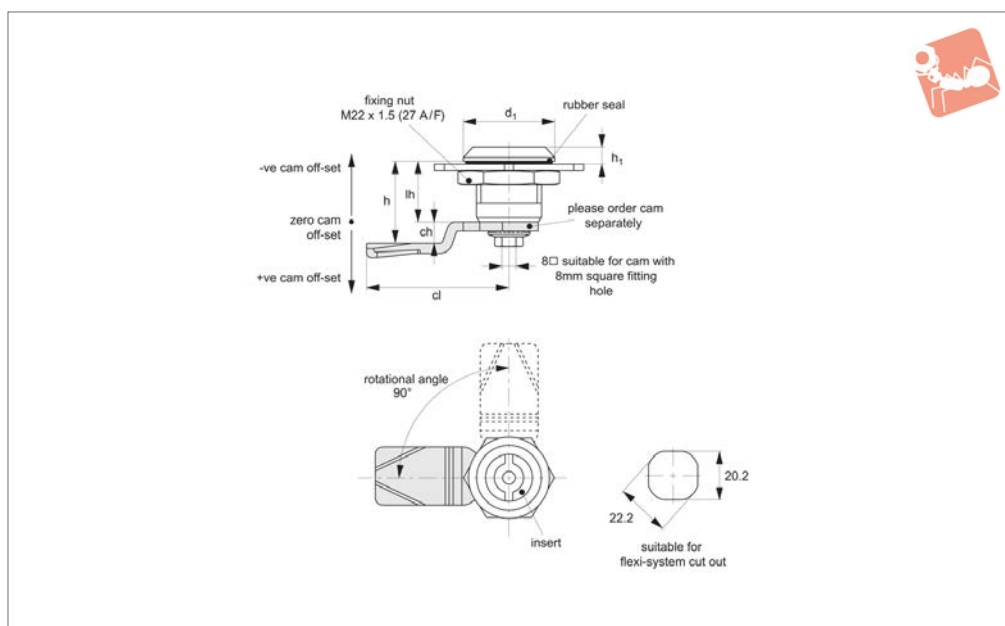


Cam Latches - Flexi-System

insert driver - fixed grip - plastic



Cam Latches



A1021

CAM LATCHES

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.

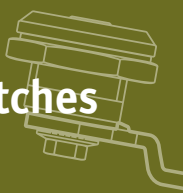
Rods & Guides: to achieve 3-point latching - A0303, A0321, A0325.

Important Notes

An inexpensive alternative to stainless steel, where water or other solutions may cause corrosion.

Sold subject to pack quantity.

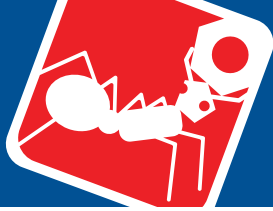
| Order No. | Insert driver | d ₁ | h ₁ | lh |
|--------------|----------------|----------------|----------------|----|
| A1021.AW0010 | Square 7 | 28 | 6 | 18 |
| A1021.AW0020 | Square 8 | 28 | 6 | 18 |
| A1021.AW0040 | Triangle 7 | 28 | 6 | 18 |
| A1021.AW0050 | Triangle 8 | 28 | 6 | 18 |
| A1021.AW0060 | 3mm Double Bit | 28 | 6 | 18 |
| A1021.AW0070 | 4mm Double Bit | 28 | 6 | 18 |
| A1021.AW0080 | Slotted (2x4) | 28 | 6 | 18 |



CAM LATCHES

Available insert drivers:

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

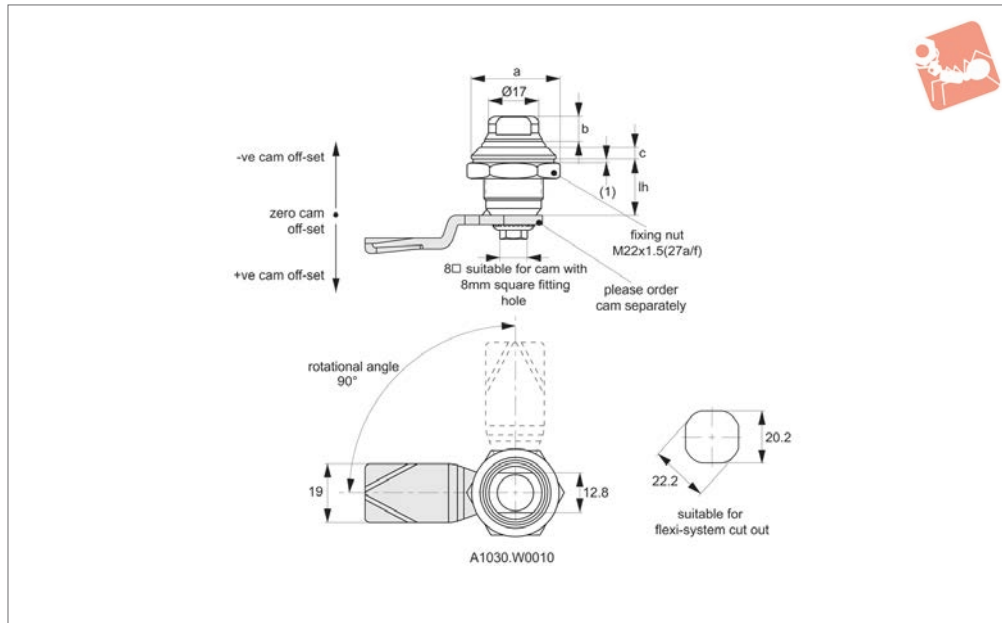


Cam Latches - Flexi-System

hygienic - stainless steel



Cam Latches



A1030

CAM LATCHES

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).

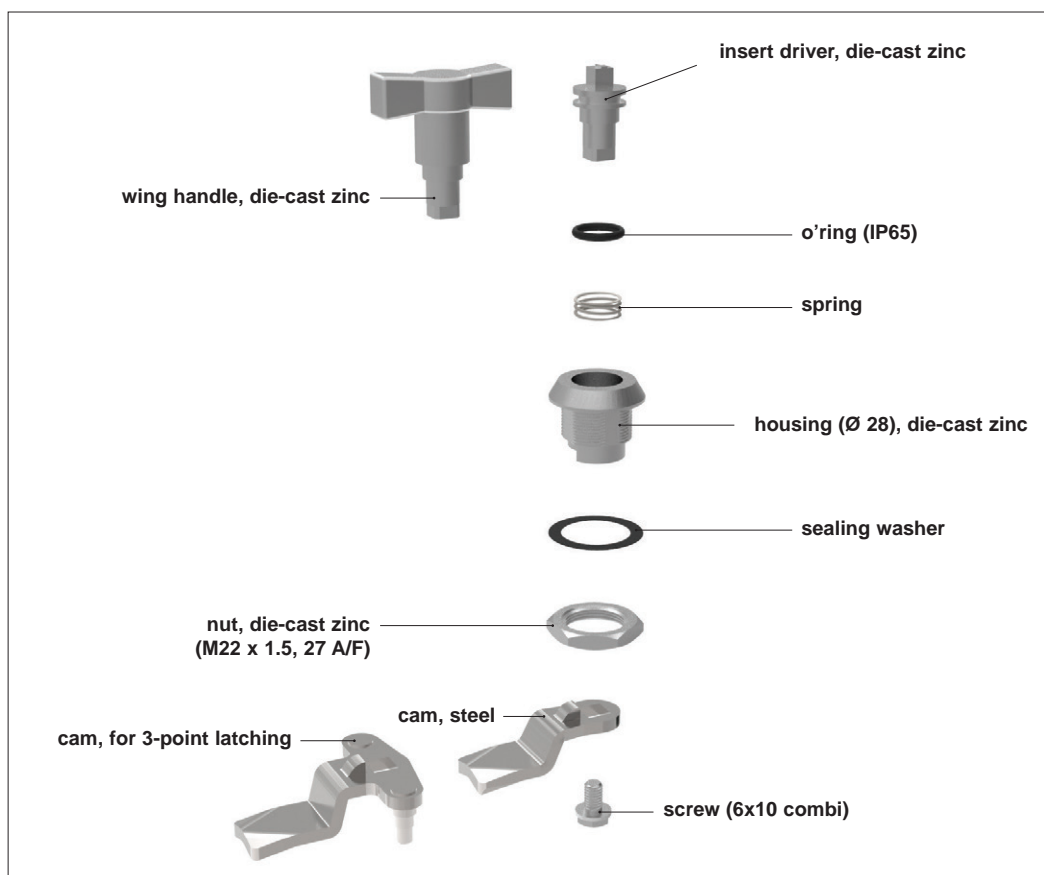
lh = body length of cam latch/lock to be used (see product table below).

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

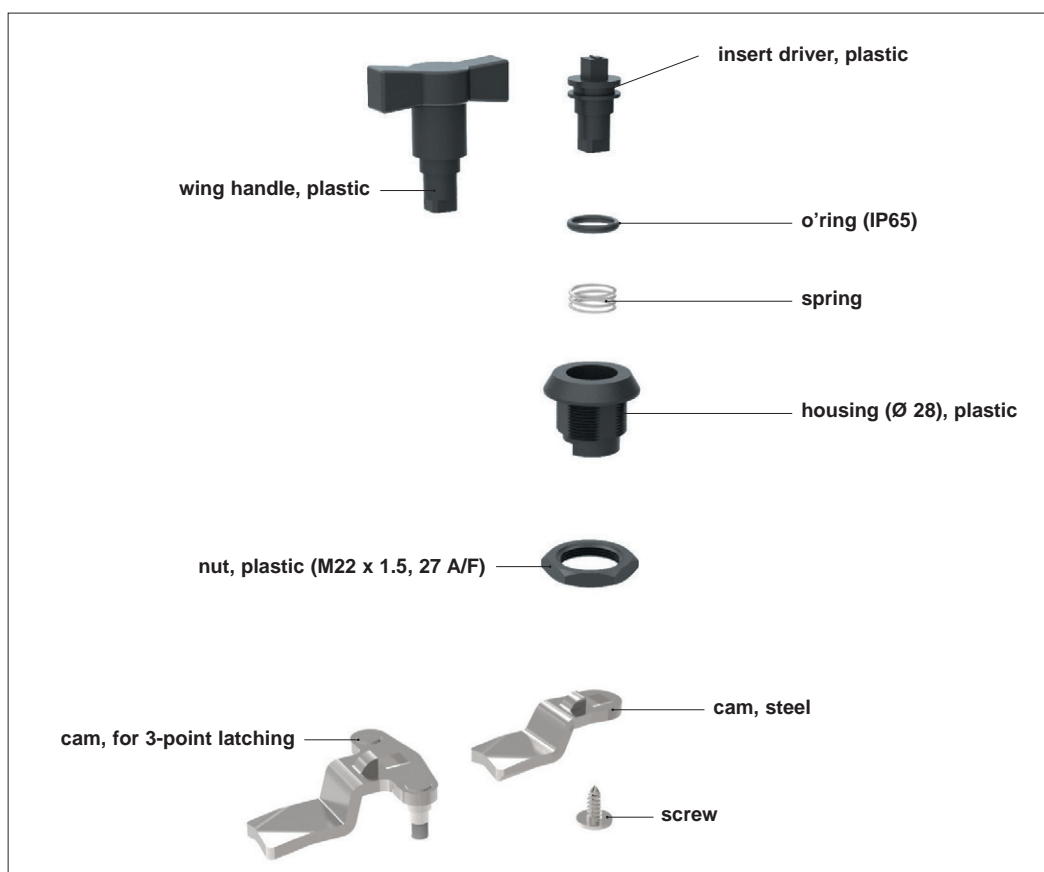


Die-cast Zinc: A1003, A1181

(also A1103 in stainless steel).



Plastic: A1021, A1181









A1041

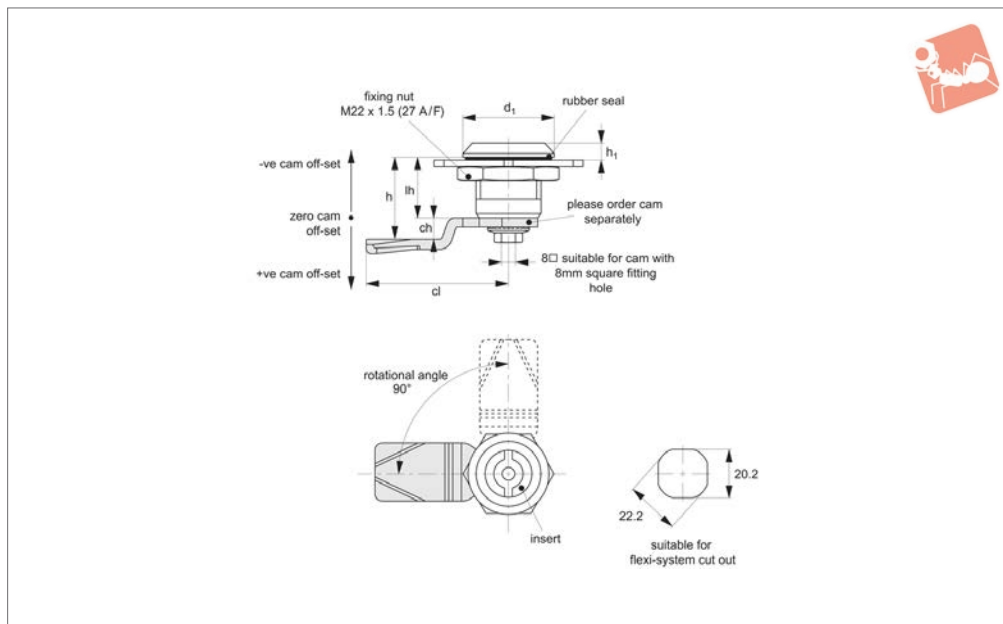
CAM LATCHES

| 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 |

| Square 8 | Triangle 8 | 4mm Double Bit | 2 x 4mm Slotted |
|---|---|---|---|
|  |  |  |  |



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 |
|----------|------------|------------|----------------|----------------|
| 8 | 6.5 | 8 | Ø 3 | Ø 4 |
| | | | | |

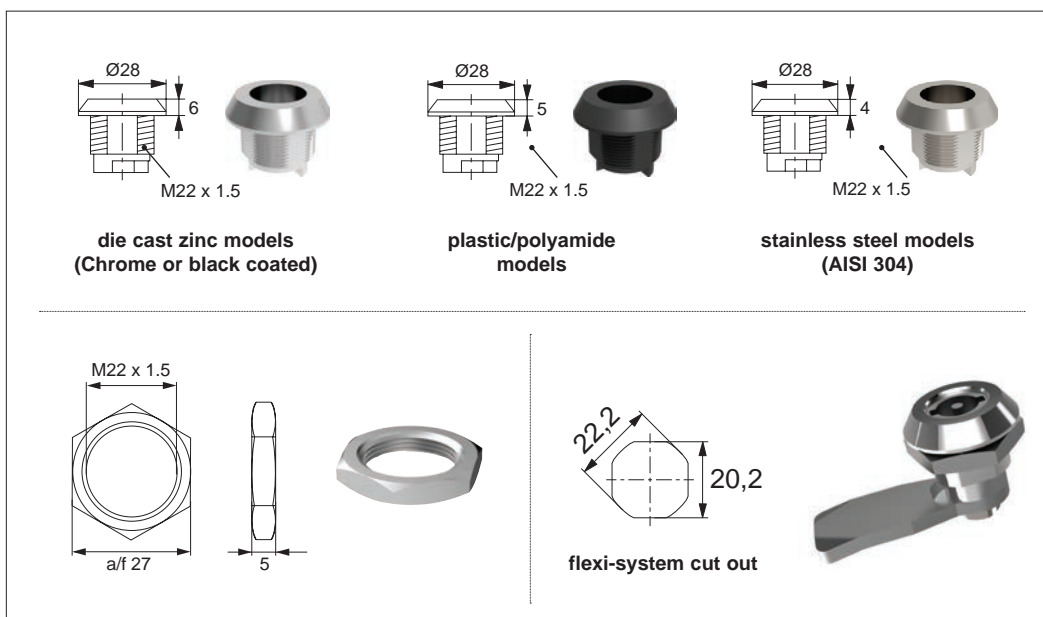


Wixroyd Cam Latches

general information

Cam Latches and Locks



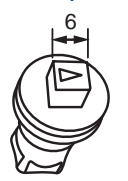
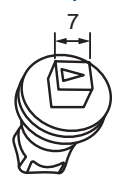
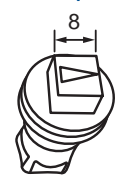


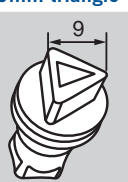

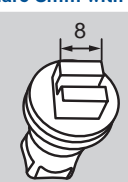
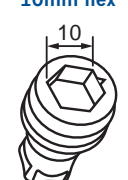




CAM LATCHES



Dimensions of our cam latch housings

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

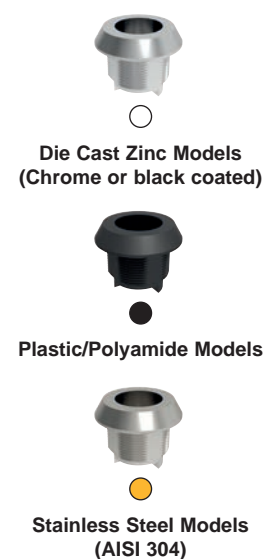
Available insert drivers for flexi-system latches

| 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





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

Flexi-system

CAM LATCHES



insert driver cam latches



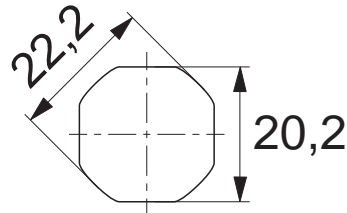
padlockable cam latches



wing handle cam latches



extended grip cam latches



flexi-system cut out



cam locks



t-handle locks



l-handle locks



compression latches



Wixroyd Cam and Compression Latches

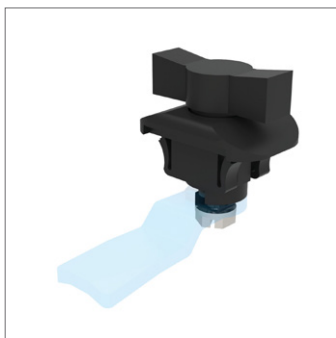
flexi-system cut out product selection charts

Cam Latches and Locks

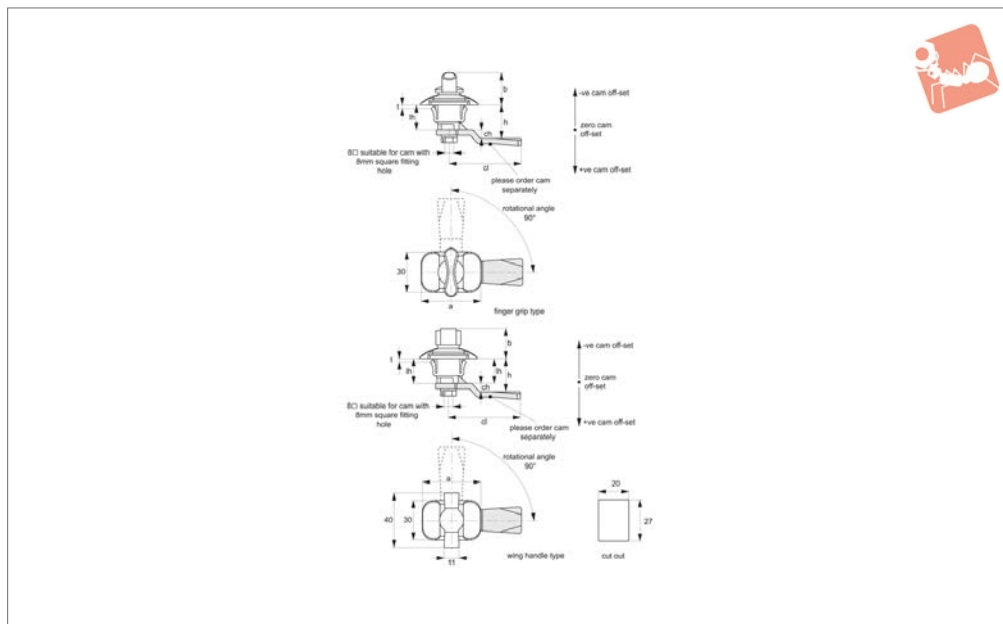
|  flexi-system cut out | Actuation Method | | | Body | Finishes | | | Cam Type | | IP Rating |
|---|------------------|---------------|-------------|------------------|---------------|-------------------|-----------------|---------------|-----------------|----------------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | Die-Cast Zinc | Polyamide Plastic | Stainless Steel | Chrome Plated | Black Coated | |
| | | | | Body length (mm) | | | | | With Projection | W/O Projection |
| A1003 - Cam Latch - Fixed Grip | | | | | | | | | | |
|  | ✓ | | | 18 | ✓ | | | ✓ | ✓ | ✓ |
| Cams: A0203, A0224, A0240 - Keys: A0102 | | | | | | | | | | |
| A1021 - Cam Latch - Fixed Grip | | | | | | | | | | |
|  | ✓ | | | 18 | ✓ | | | | ✓ | ✓ |
| 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 | | ✓ | | | ✓ | ✓ |
| 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 | ✓ | | | ✓ | | ✓ |
| 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 | |
| | | | | | | | | | 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 | | | | | | | | | | | |

CAM LATCHES



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-

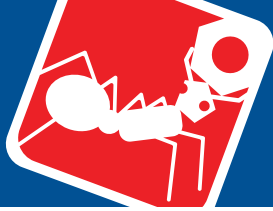
set), and refer to cam selection chart;
 $ch = h - lh$ where;
 ch = required cam off-set/height.
 h = grip length (distance between inside of latch face and front of cam).
 lh = body length of cam latch/lock to be used (see product table below).
 Suitable for panel thickness 0,8-2mm
 Keys: see A0102.

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.

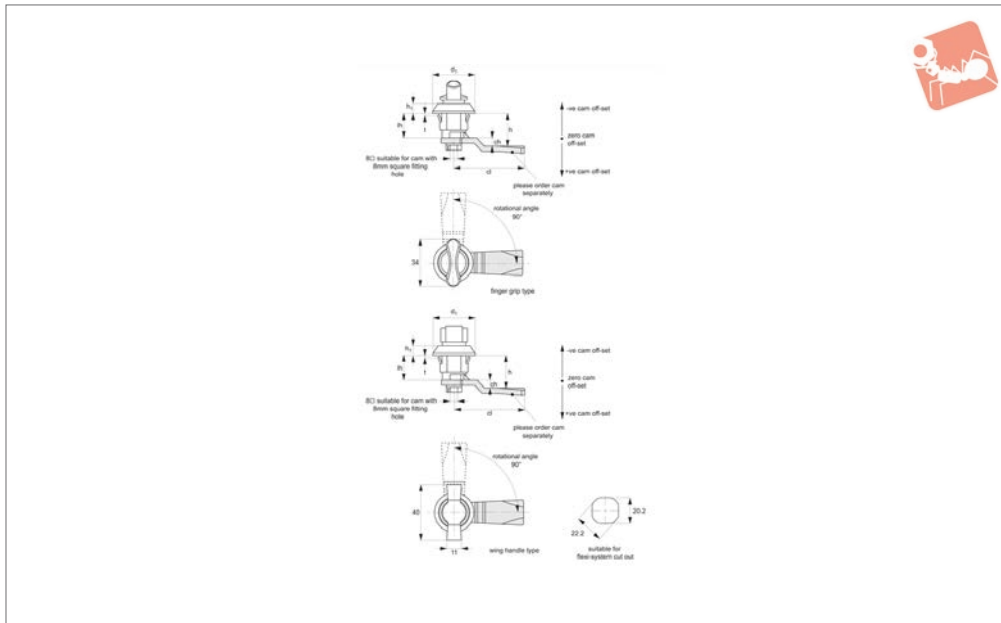
Wing handle enables easy actuation without the need for a key.

| 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

CAM LATCHES

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 |



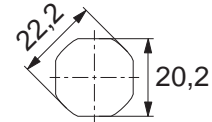
When selecting a Wixroyd Cam Latch for your application, you need to answer these questions:

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

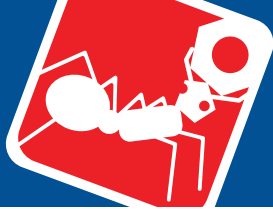
Our cam locks with cylinder locks are supplied with two keys per lock. Available as keyed alike or keyed to differ locks.



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.





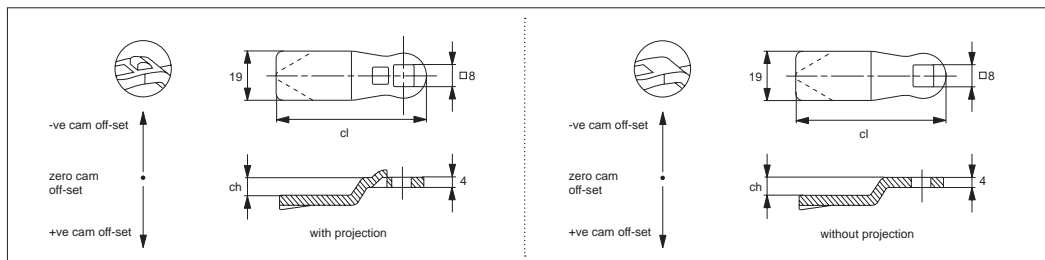
Selecting the Correct Cam Latch or Lock



Cam Latches and Locks

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)

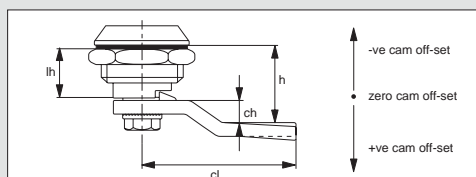
To ensure your cam fully and correctly engages with the frame of your door the correct cam off-set must be selected. A cam off-set can be either negative (-ve) or positive (+ve).

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.

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



Calculation of correct cam off-set

This is the most important aspect of the selection process.

Example one

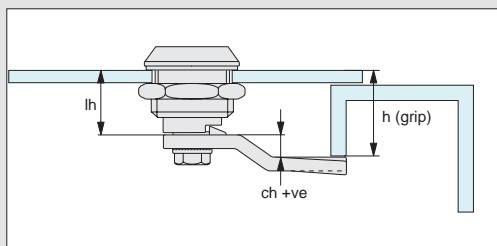
Cam body A1003.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

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

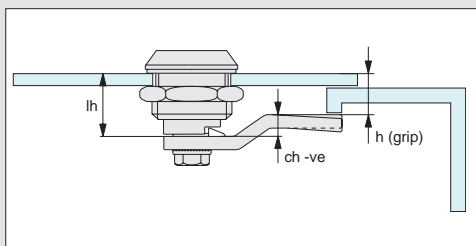
Cam body A1003.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

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).

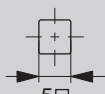
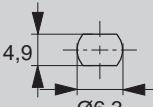
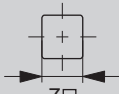
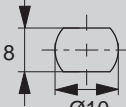
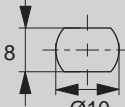


Example of calculation of correct cam off-set



| Suitable With Projection Cams | | | | |
|-------------------------------|-----------------------|--------------------------------|--------------------------------|--------------------------------|
| Compatible cam no. | A0261 | A0203 | A0210 | A0240 |
| Cam fitting hole | 6 x 6 square | 8 x 8 square | 8 x 8 square | 8 x 8 square |
| 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 x 8 square | 8 x 8 square | 8 x 8 square |
| 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  | 6,3 dia. x 4,9  | 7 x 7 square  | 8 x 10 dia.  | 8 x 10 dia.  |
| 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

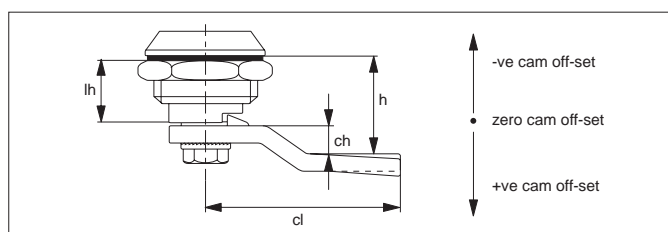
Use the formula to calculate your correct cam off-set:

$$ch = h - lh$$

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).

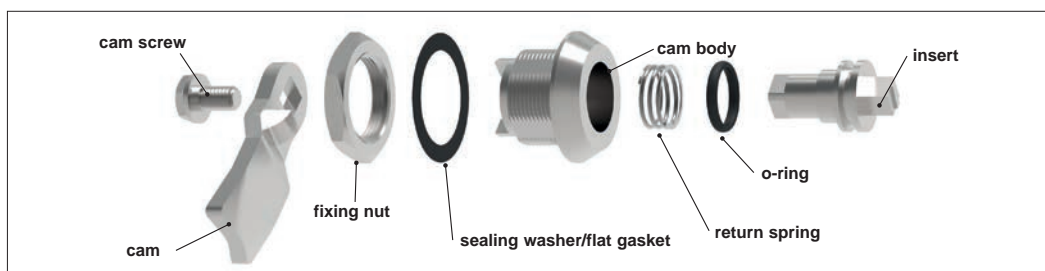
Cam Length (dimension cl)

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.



Wixroyd Cam Latches

technical specification and advice



Physical and chemical characteristics of polyamide

| | |
|---------------------------|-------------------------|
| Physical condition | solid (at 20°C) |
| Density | > 1,0 g/cm ³ |
| 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 |

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.

RoHS Compliance

Our Cam Latches are RoHS Compliant.



Materials

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.

**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.

IP ratings

| Character | Value | Standard |
|------------------------|--------------------------|-----------|
| Density | 1,35 g/cm ³ | DIN 53479 |
| Hardness | 65 Shore A | DIN 53505 |
| Breaking Strain | 5 N/mm ² | 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.

| Character | Value | Standard |
|------------------------|---------------------------|-----------|
| Density | 1,240 g/cm ³ | DIN 53479 |
| Hardness | 71 Shore A | DIN 53505 |
| Breaking strain | 14 N/mm ² | DIN 53504 |
| Expansion | 280% | DIN 53504 |
| Recoil elasticity | 32% | DIN 53512 |
| Heat & cold resistance | max. 120°C, min. -40°C | |

| 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.

Flat gaskets/ Sealing Washer

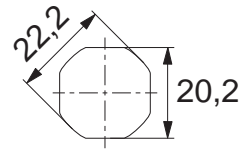
For all O-rings, an NBR material with the following technical characteristics is used.

O Rings

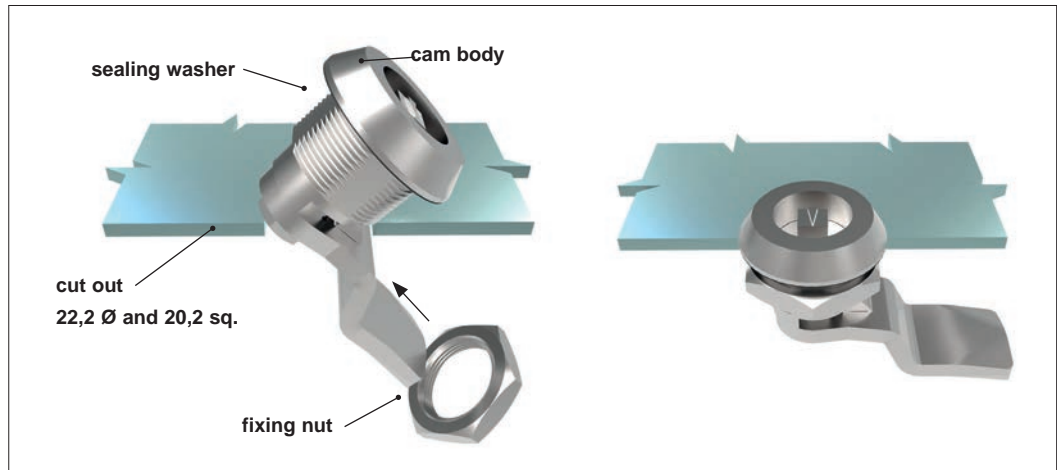


Flexi-system cut out

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



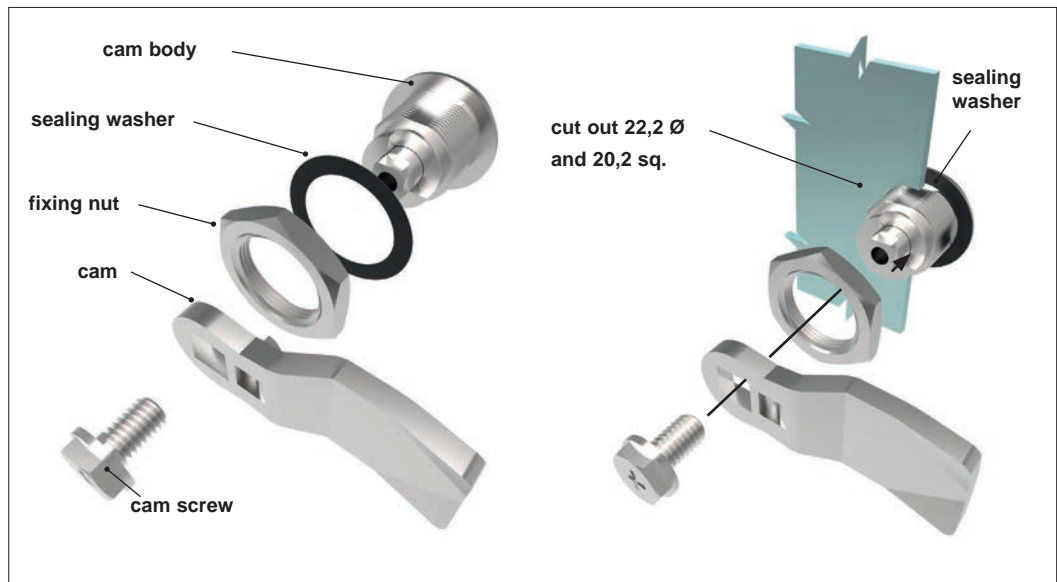
Option 1: Installation when fully assembled



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



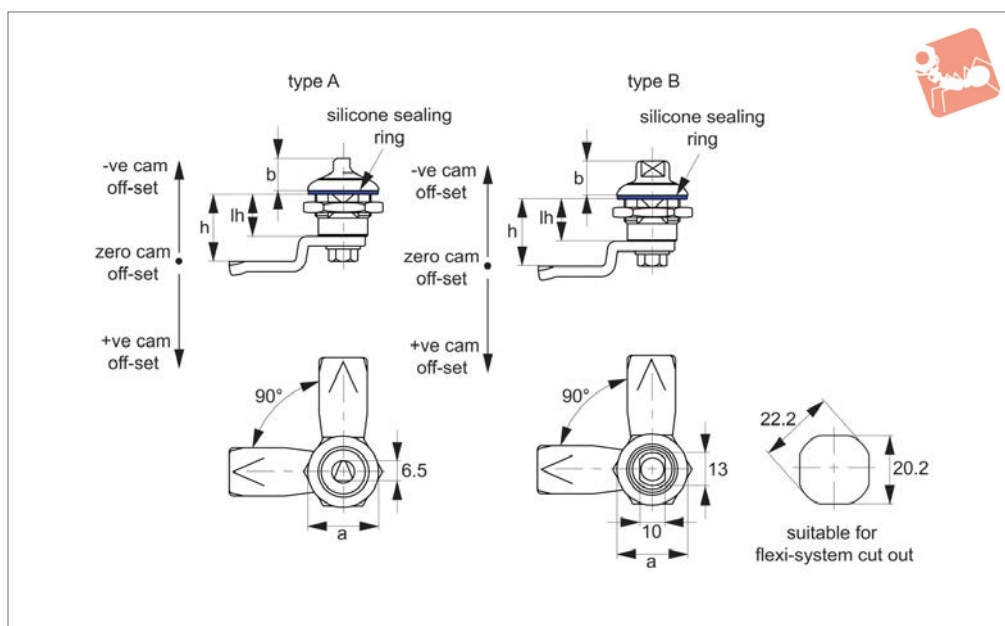
When the cam latch grip (h) is less than 9mm this method is suitable:-

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.



Cam Latches - 3A Standard

hygienic line, stainless steel



A1104

CAM LATCHES

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.

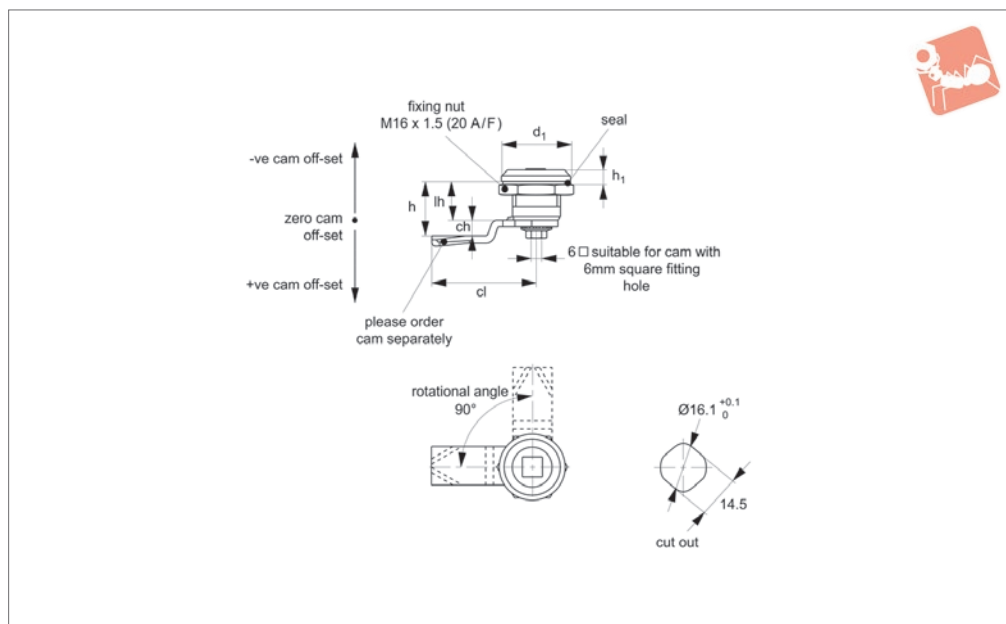
Hygienically designed for effective and easy cleaning, corrosion resistant, non-toxic.

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 |



A1261



Material

Type one: Body & insert: die cast zinc, chrome plated or black powder coated.

Supplied with: One key 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.

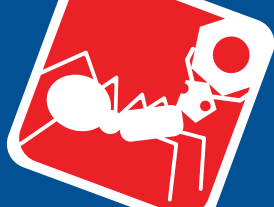
Tips

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 |

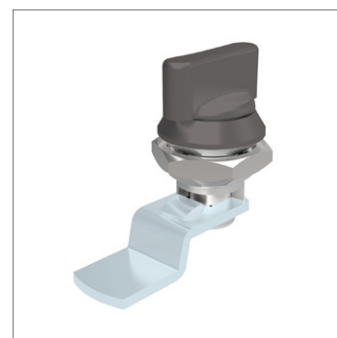
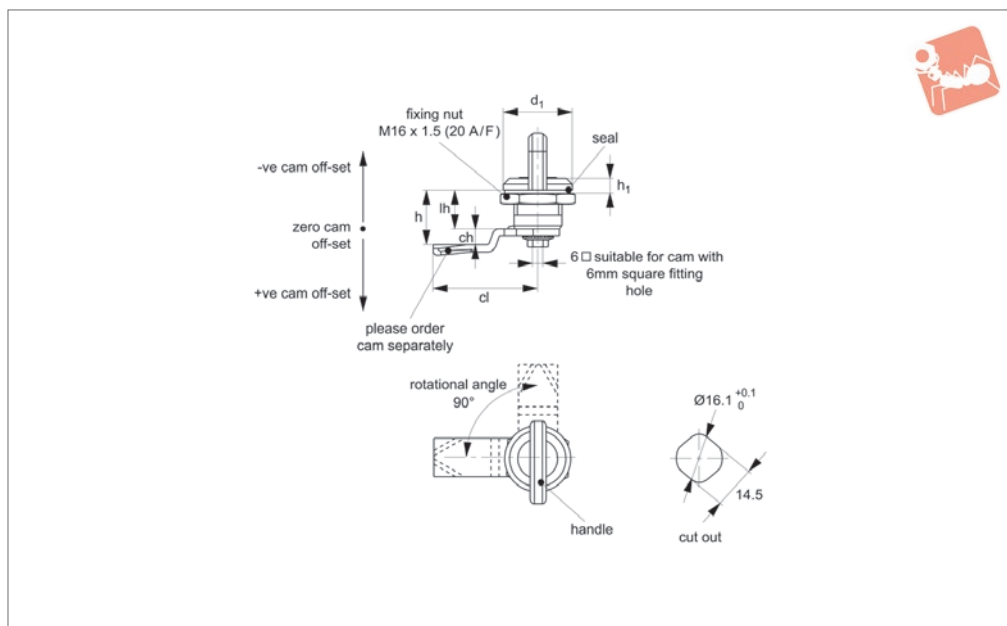


Mini Cam Latches

wing handle - fixed grip - zinc



Cam Latches



A1281

CAM LATCHES

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.

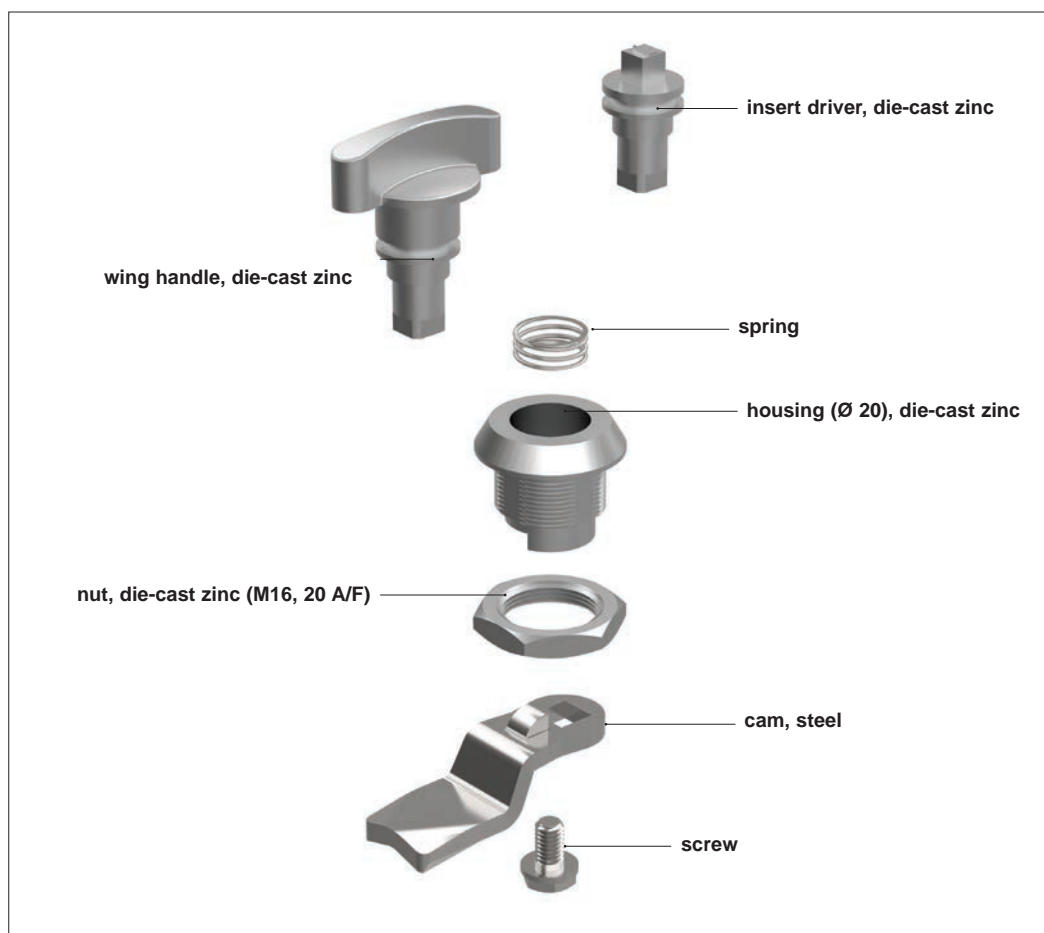
Important Notes

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 |



Die-cast zinc:
A1261, A1281



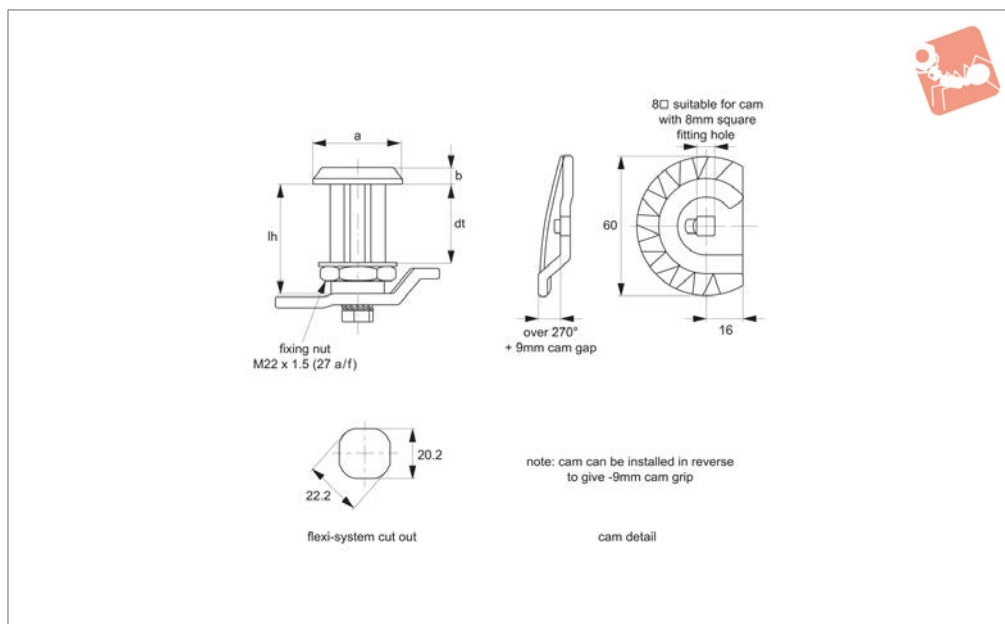


Cam Latches - Flexi-System

insert driver - stepped cam - extended body - zinc



Cam Latches



A1241

CAM LATCHES

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

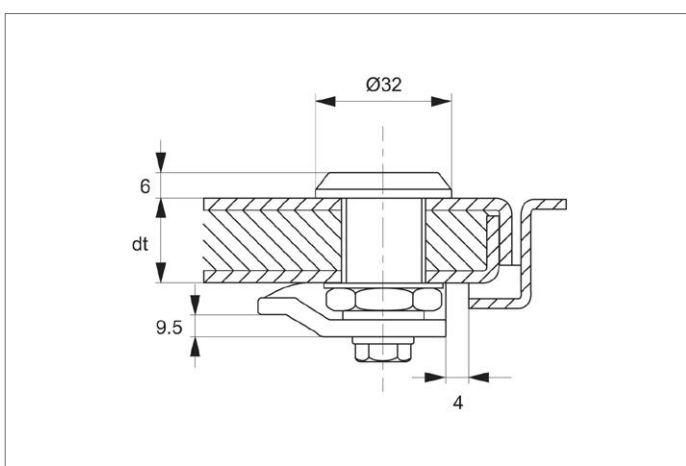
Stepped cam ideal for air conditioning

units, sound proof or isolation doors. Very tight closure of door possible, due to stepped cam over a 270° rotation.

Important Notes

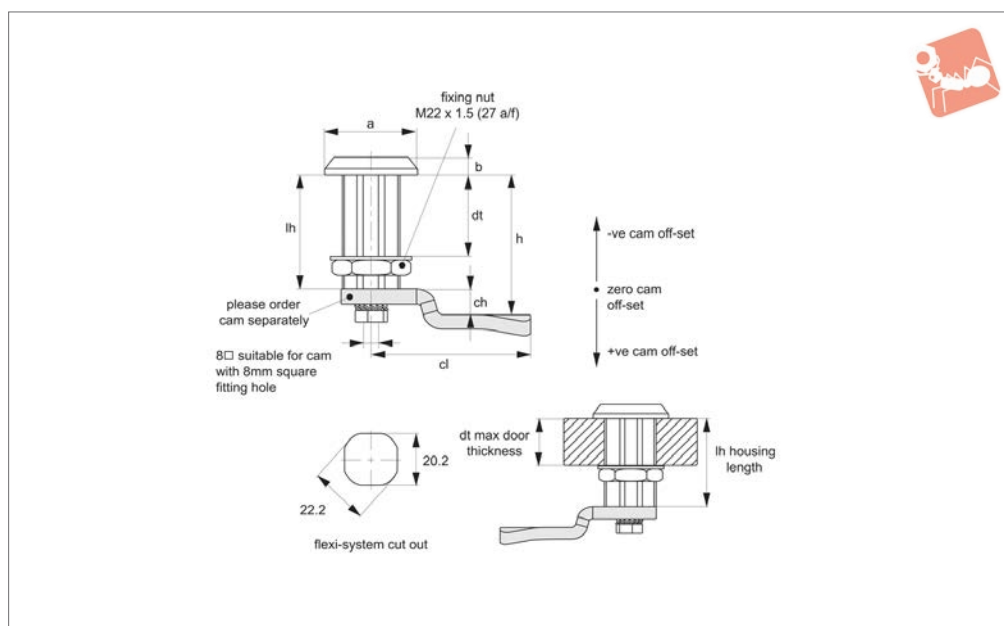
Sold subject to pack quantity.

| 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 |





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 |



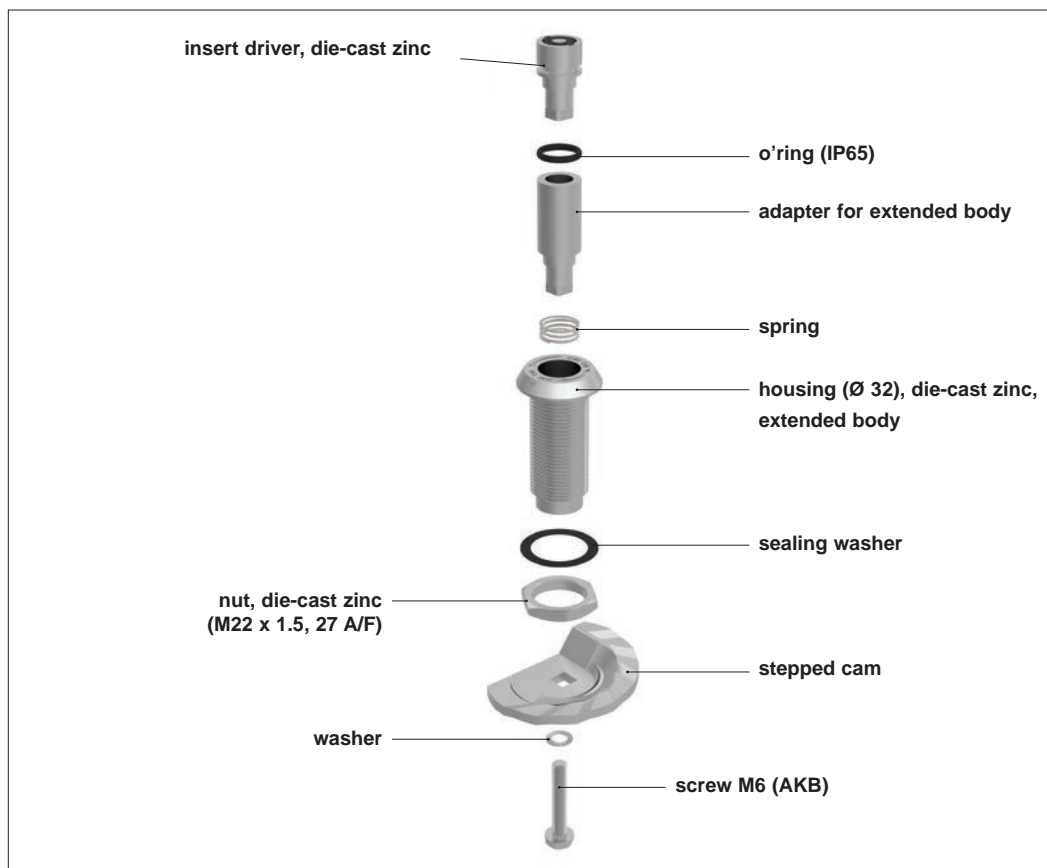
Wixroyd Extended Body Cam Latch

exploded view and assembly

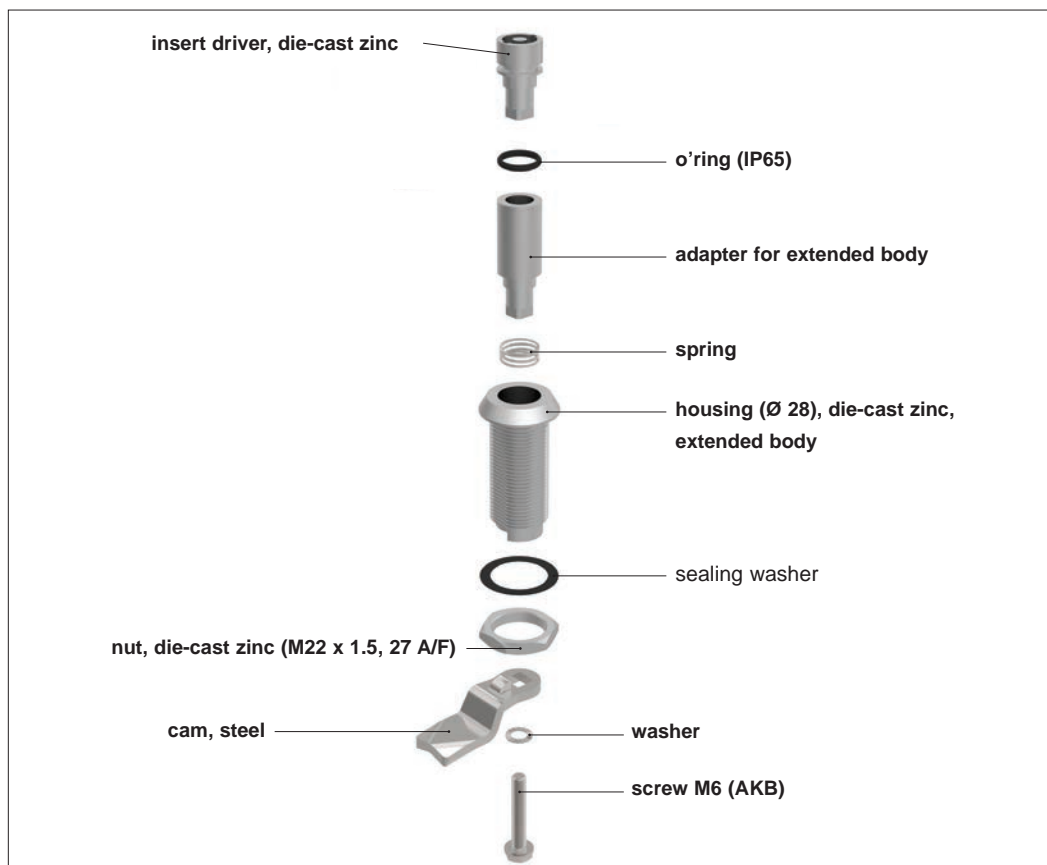
Cam Latches and Locks

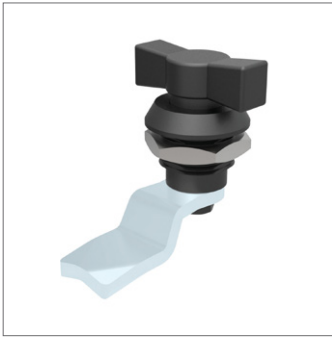
CAM LATCHES

Stepped cam: A1241

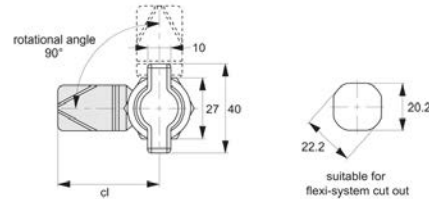
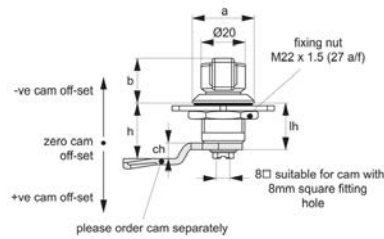


Extended body cam latch: A1251





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 |

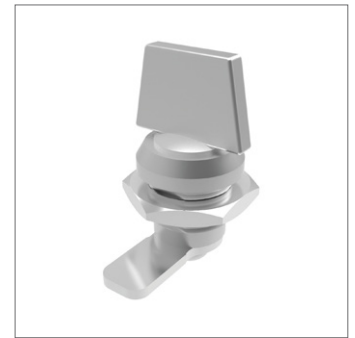
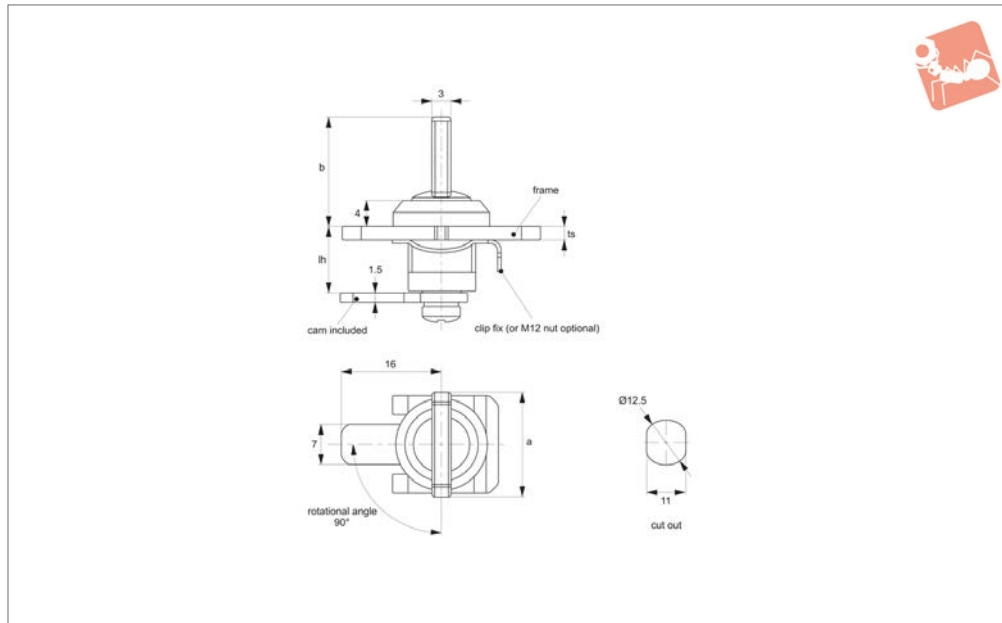


Mini Cam Latches - Wing Handle

fixed grip - zinc



Cam Latches



A1192

CAM LATCHES

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.

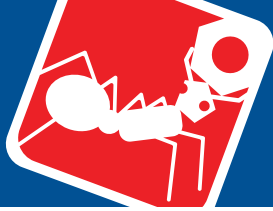
Wing actuates lock and also acts as knob/handle.

| 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 |



| Miscellaneous Cut out | Actuation Method | | | Body length (mm) | Body | | | Finishes | | | Cam Type | | |
|---|------------------|---------------|-------------|------------------|---------------|-------------------|-----------------|---------------|--------------|---------|-----------------|----------------|-----------|
| | Insert Driver | Cylinder Lock | Manual/Grip | | Die-Cast Zinc | Polyamide Plastic | Stainless Steel | Chrome Plated | Black Coated | Natural | With Projection | 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 | | | 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 | |
| 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 | | | | | | | | | | | | | |

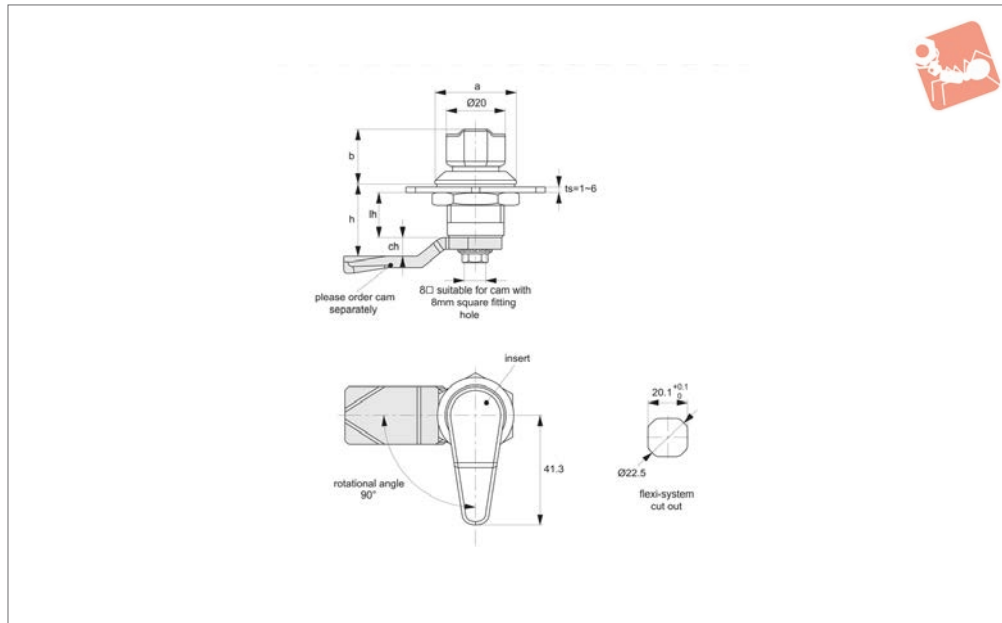


Cam Latches - Flexi-System

fixed grip - finger handle



Cam Latches



A1203

CAM LATCHES

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.

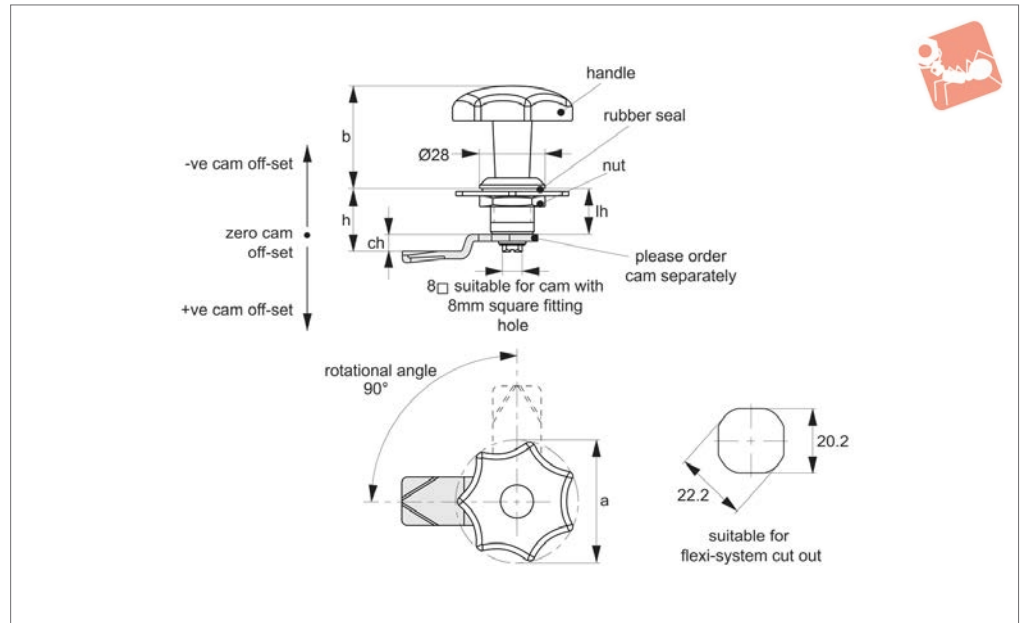
Important Notes

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 |



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).

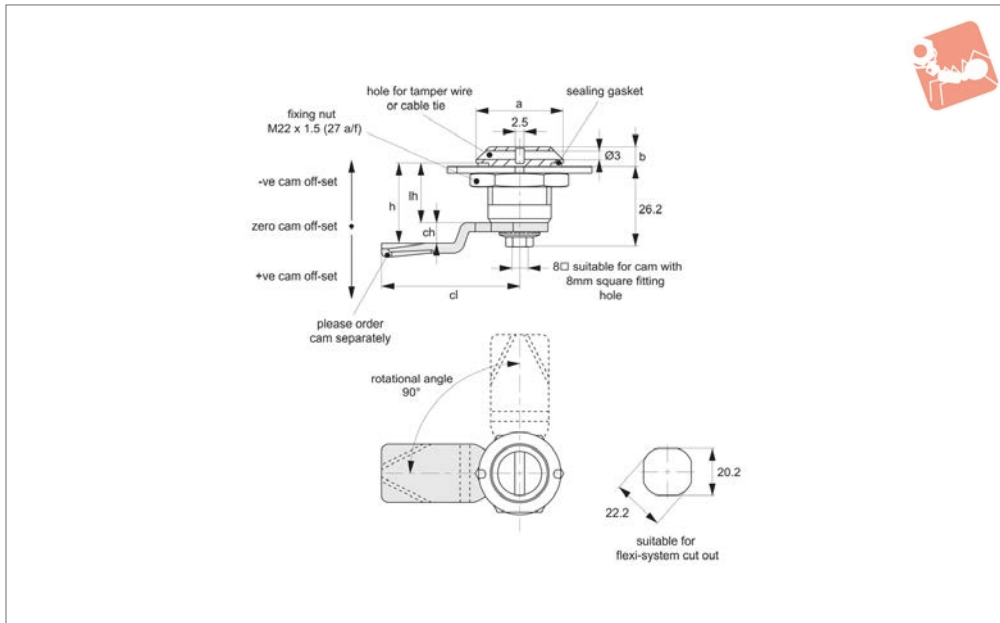
Suitable for panel thickness 1-6mm.

| 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 |



Cam Latches - Flexi-System

tamper evident - for wire or cable tie - zinc



A1210

CAM LATCHES

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).

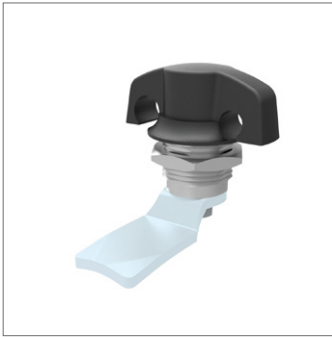
Keys: see A0102.

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

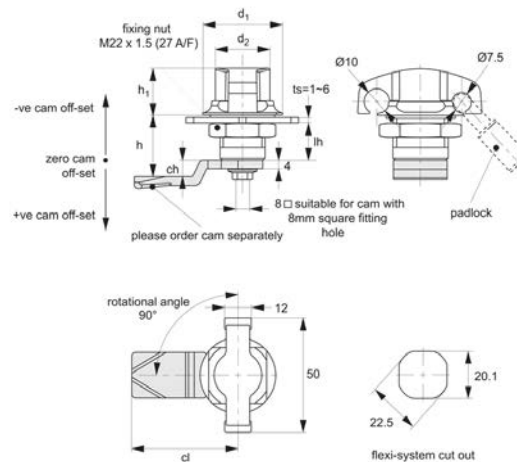
Tips

Quarter-turn opening or closing.

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



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 |



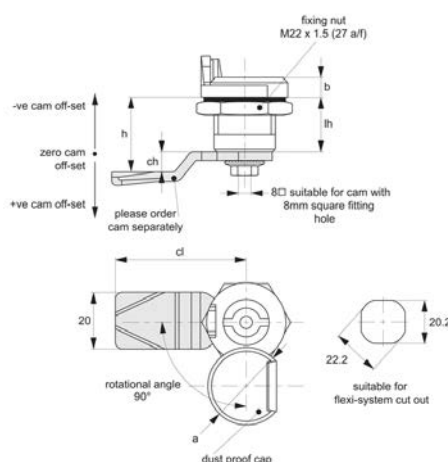


Cam Latches - Flexi-System

insert driver - fixed grip - zinc



Cam Latches



A1168

CAM LATCHES

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.

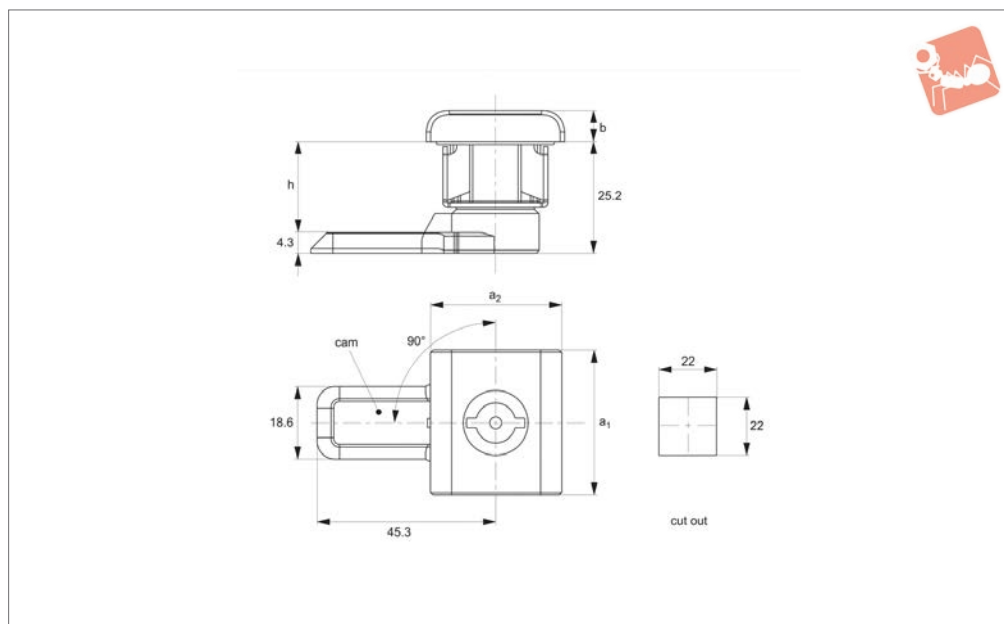
Tips

Quarter 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 |



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 |

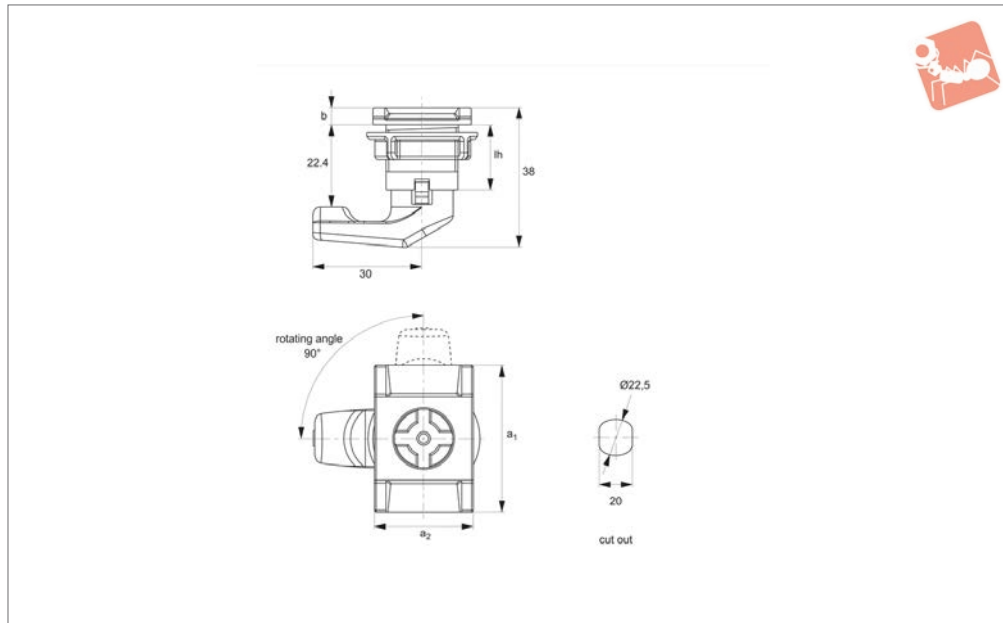


Panel Latches - Plastic

insert driver - low profile



Cam Latches



A1520

CAM LATCHES

Material

Housing, insert and nut: plastic.

Supplied with:CAM

Not supplied: KEY - order separately.

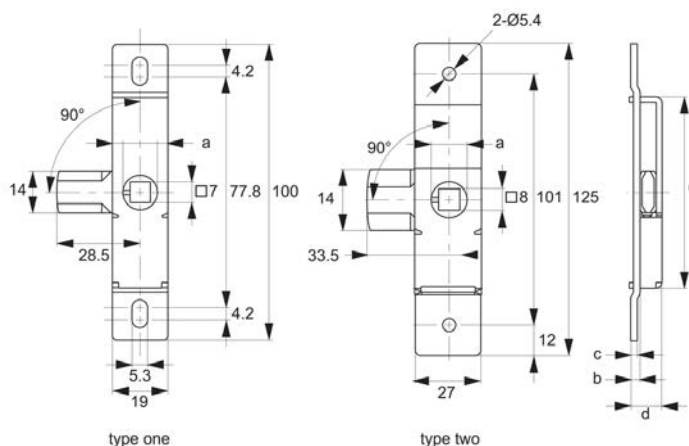
Technical Notes

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 |



A1546



Material

Body & insert: Q235 steel, zinc plated.

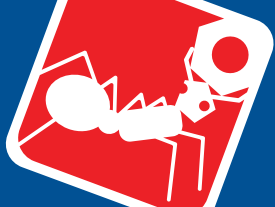
Supplied with: Cam: stainless steel.

Technical Notes

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

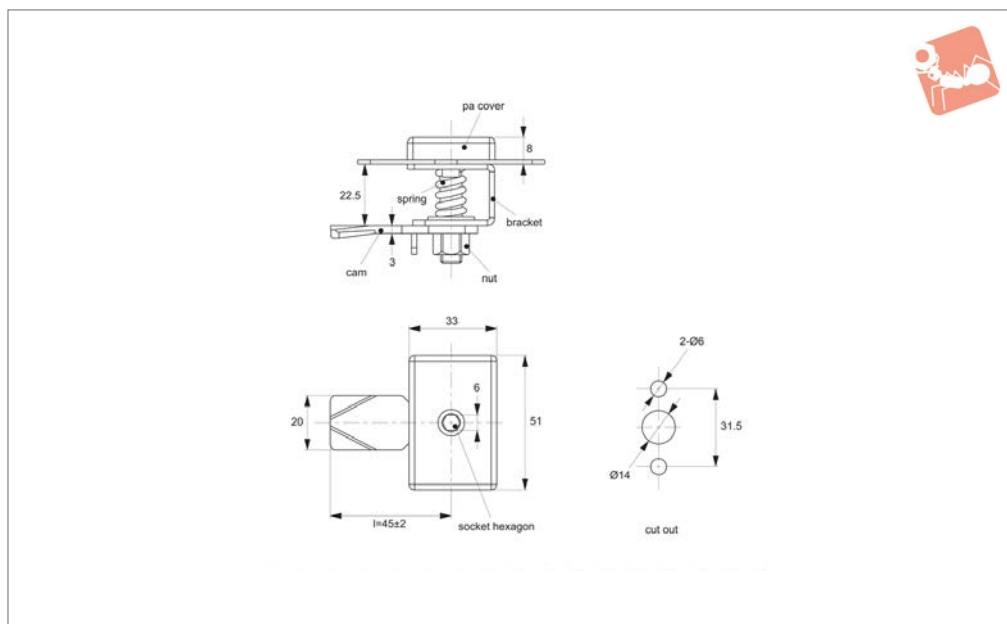
Fix internally to panels or enclosures via rivets, or M 5 screws (not supplied).

| 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 |



Panel Latches

plastic cover - hexagon driver



A1561

CAM LATCHES

Material

Body & cam: steel, white zinc plated.
Cover: plastic, PA.

Supplied with: CAM: steel, white zinc plated.

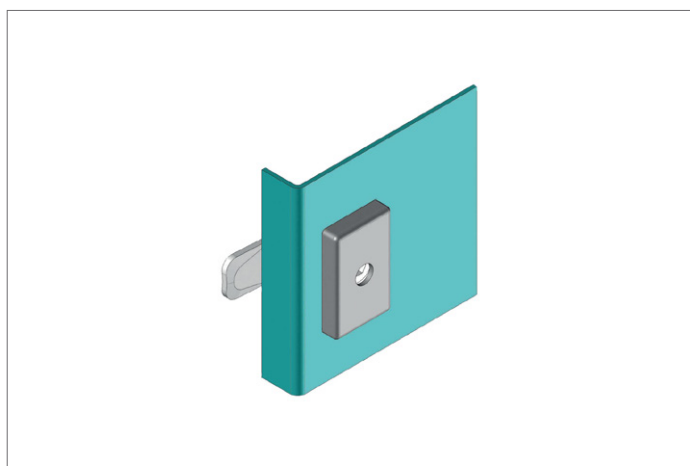
Not supplied: KEY. Use standard 6mm allen/hex key to actuate latch.

Technical Notes

For use on electrical panels and machinery

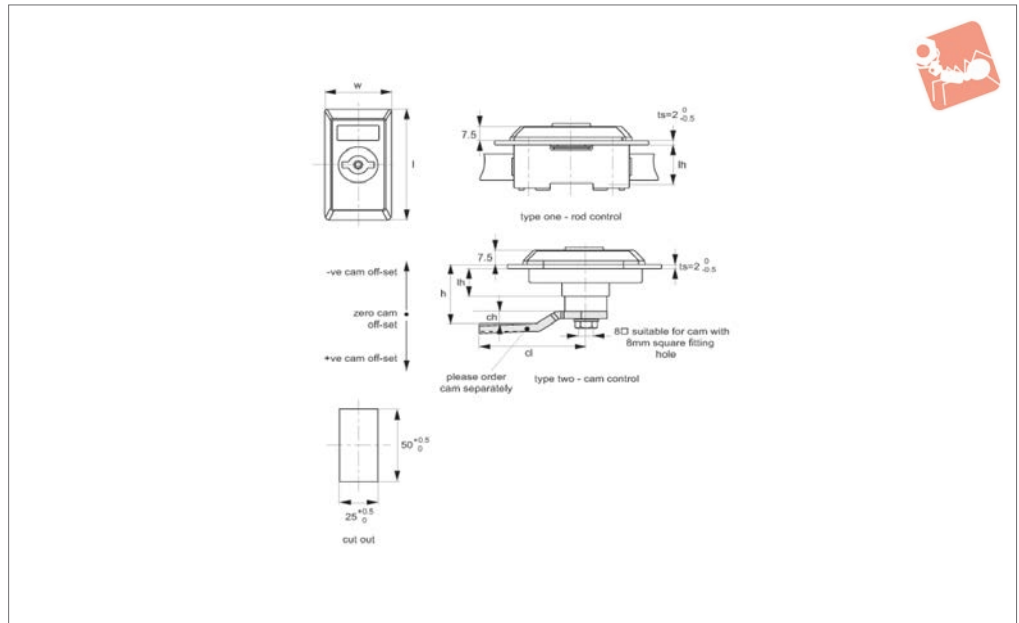
covers. Lock for use inside of panel gasket. Standard cam supplied achieves grip length of 22,5mm.

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





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 |

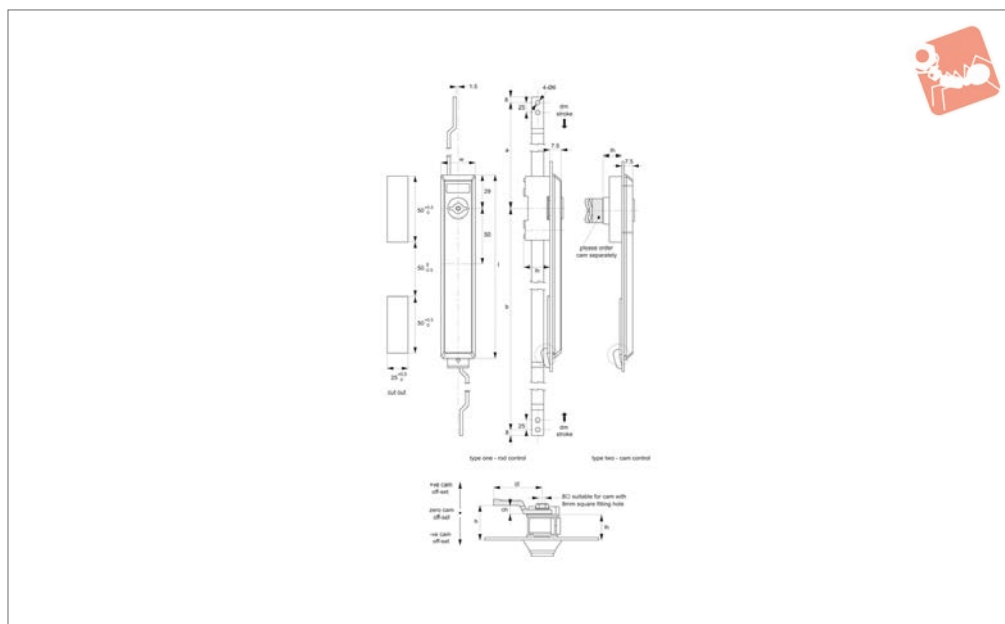


Cam Latches - with Rod Control

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



Cam Latches



A4241

CAM LATCHES

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).

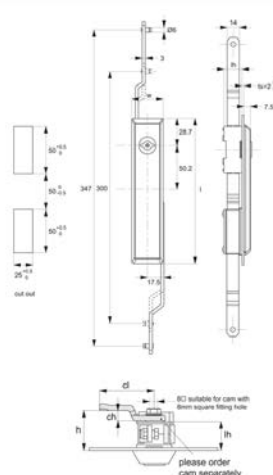
Keys: see A0102.

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 |



Order cam and key separately.

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 |

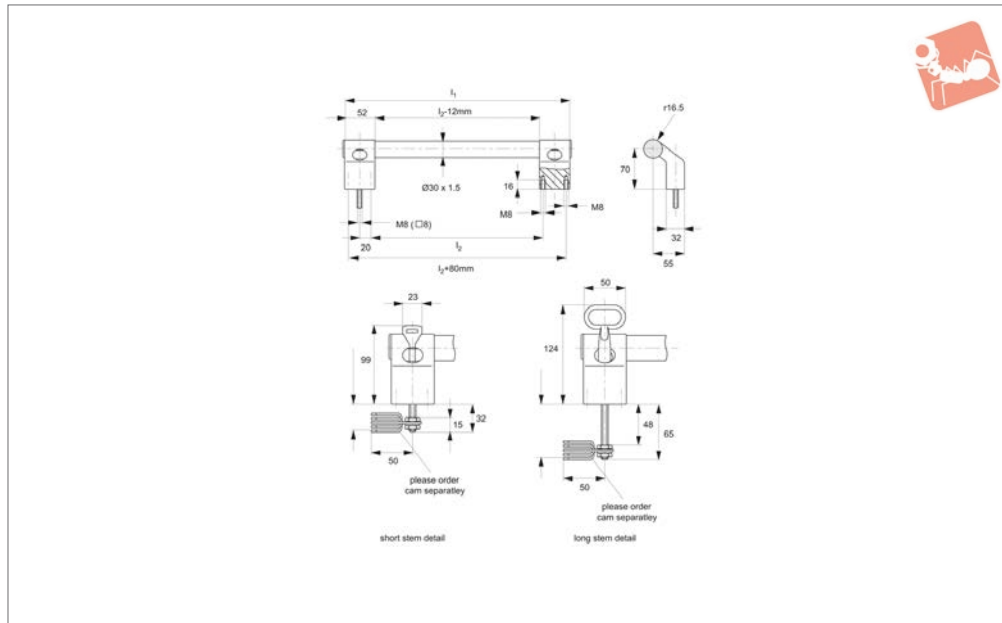


Cam Locks - Heavy Duty Pull Handle

adjustable grip



Cam Latches



A4620

CAM LATCHES

Material

Handle shank: extruded aluminium, AIMgSi 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 |

