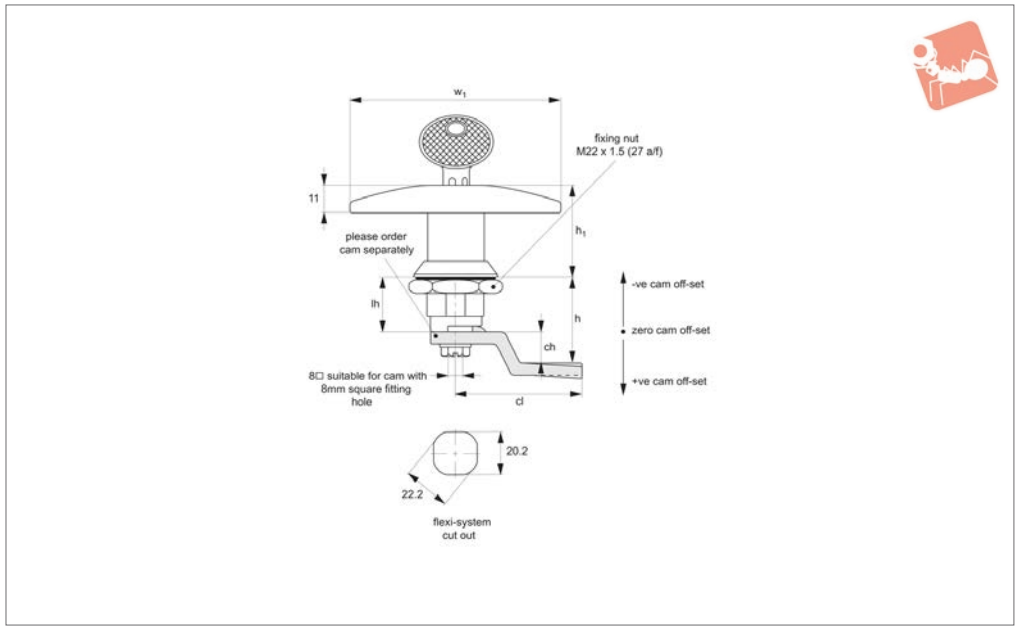


A2503

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

Selecting the Correct Cam Latch or Lock

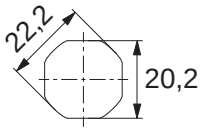
When selecting a Wixroyd Cam Latch for your application, you need to answer these questions:

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

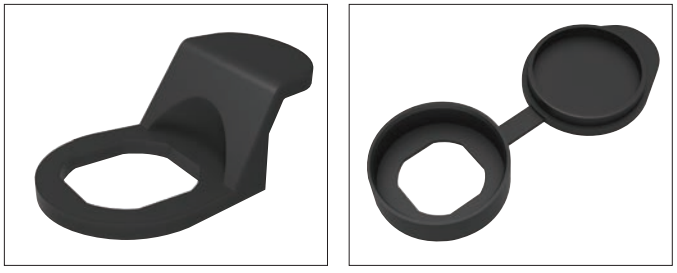
Our range of insert driver cam latches require a simple key to actuate. Refer to part A0102 and A0103 for correct keys.

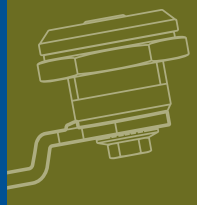
Cylinder locking

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.





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.

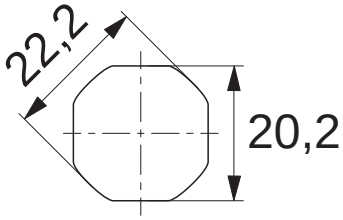
Flexi-system

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

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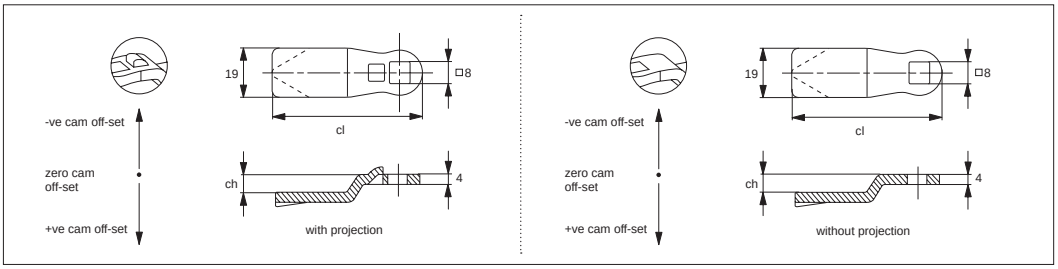
With or without "Projection"

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.

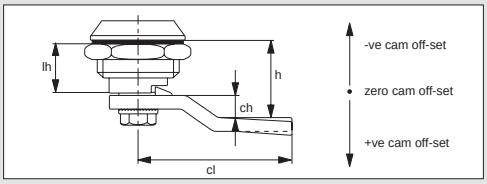
Use formula to calculate ch (required cam off-set), and refer to the cam selction chart.

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

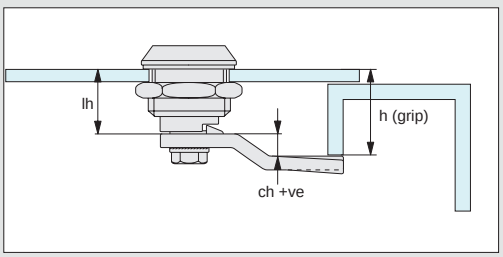
Cam body A1003.AW0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0203, A0210 or A0240 - "without projection".

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).