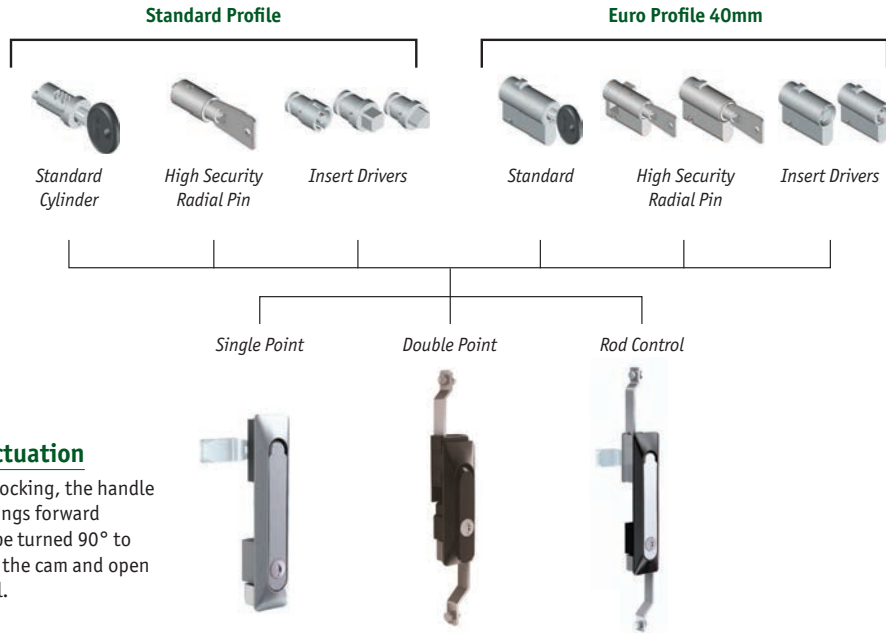


Wixroyd swing handles are a complete multi-point latching system with an ergonomic and stylish design, making them ideal for securing enclosures in applications as varied as telecoms, IT, electrical cabinets, special purpose machines, vending and gaming machines.



Easy Actuation

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

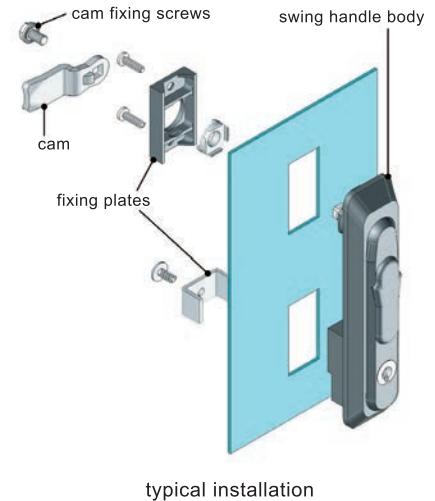


Installation

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 attached with the screws supplied.
4. Attach cam to swing handle body, ensuring its correct orientation to the panel frame.

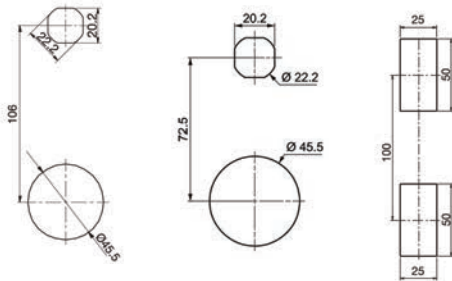


When selecting a Wixroyd Swing Handle for your application, you need to answer these questions:

- 1) Which installation cut out?
- 2) How many latching points are required?
- 3) Which locking and activation method?
- 4) Which accessories?
- 5) 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 A0302 to A0324.



Single Point Double Point Three Points or more

- 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.

Variety of Materials



Plastic PA6 Die-cast Zinc Stainless Steel

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 and contributes toward the IP65 (NEMA) rating of our swing handle latches.



Step 3: Which Locking & 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.

Standard Profile Cylinder Locks



Standard



High Security Radial Pin

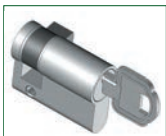


Insert Drivers

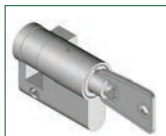
Euro Profile 40 mm Locks



Standard (zinc)



Standard (brass)



High Security Radial Pin (zinc)



High Security Radial Pin (brass)



Insert Drivers

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.

For Euro Profile 42 mm locks, please contact our sales office.

Step 4: 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).



Lock cover



Padlock hasp



Lock cover plus padlock hasp

Gasketing

Wixroyd have a wide range of gaskets which can be used on enclosures, machine panels, doors etc. Refer to our products Z0501 through Z0521.



Multi-Point Latching

Use parts A0302 to A0324 for suitable rod latching sets and rod guides.



| Suitable With Projection Cams | | | |
|-------------------------------|----------------------------------|--|--------------------------------|
| Swing Handle No. | B1120 B3120 | B1080 / B1090 B1160 / B1200 B1220 / B1240 B1242 / B1280 B1290 / B1320 B1330 / B1360 B1400 / B1450 B3040 | B1470 / B1472 |
| LH Dimension of Latch | 18 | 18,5 | 35 |
| Compatible Cam No. | A0202 A0210 A0220 A0240 | A0202 / A0210 A0220 / A0240 | A0202 / A0210 A0220 / A0240 |

| Suitable Without Projection Cams | | | |
|----------------------------------|----------------------------------|--|---|
| Swing Handle No. | B1000 B1040 | B2000 / B2120 B2080 / B2090 B2160 / B2200 B2240 / B2242 | B2290 / B2320 B3000 / B3002 B3080 / B3082 |
| LH Dimension of Latch | 18,5 | 25 | 25 |
| Compatible Cam No. | A0202 A0210 A0220 A0240 | A0202 / A0210 A0220 / A0240 | A0202 / A0210 A0220 |

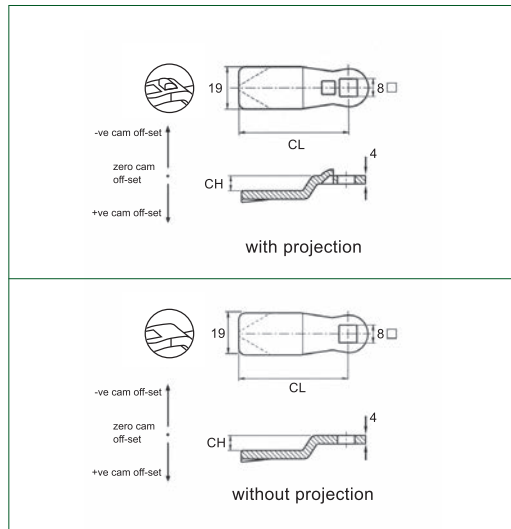
Step 5: Which Cam Type and Size?

Material

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, see cam selection table on previous page.



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

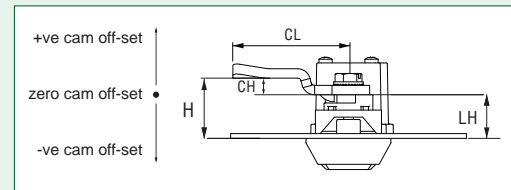
This is the most important aspect of the selection process, as well as being with or without "projection", cams vary in two key aspects.

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 swing handle for installation. Cam length 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 swing handle to be used (see example below).

Example One

Cam body B1120.AC0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0202, A0210, A0220 or A0240 - "with 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 A0202, A0210, A0220 and A0240 we can select the following cams with projection with an off set of + 8; A0202.AC0408 (steel), A0210.AC0408 (stainless) or A0240.AC1407 (three point cam).

Example Two

Cam body B1120.AC0010 has been selected for the application. If we refer to the data sheet for this part, suitable cams are parts A0202, A0210, A0220 or A0240 - "with 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 A0202, A0210, A0220 and A0240 we can select the following cam with projection with an off set of - 4; A0202.AC0494 (steel) or A0220.AC0474 (plastic).

