TwinPoint Gen2

HOLLOW PANELS

Folding door lock with internal and external access

centor®

TwinPoint Gen2

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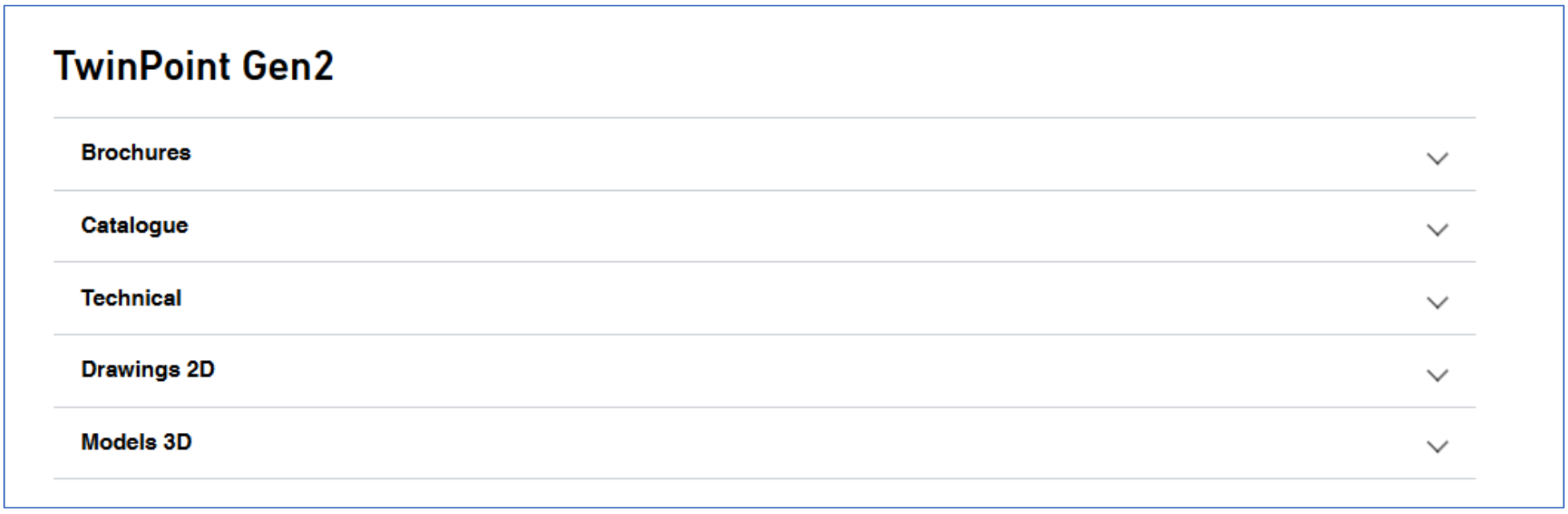
TwinPoint Gen2

FILE DOWNLOAD INFORMATION

Download options

Centor's brochures, technical documents and drawings can be downloaded from;

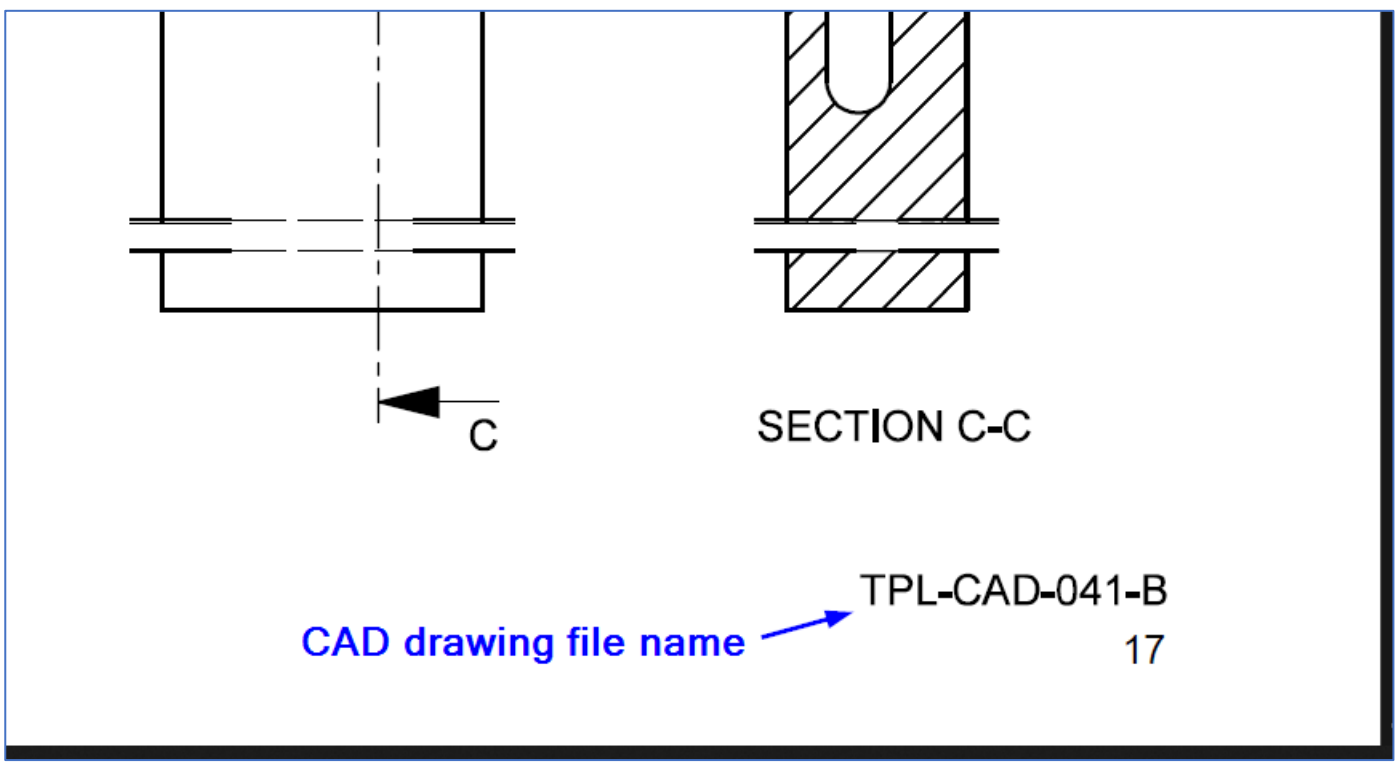
1. Bottom of the TwinPoint Gen2 website page
2. Professional section of Centor's webpage
3. This link. https://centor.com/us/hardware-systems/accessories/centor-twinpoint-lock



2D CAD drawing download

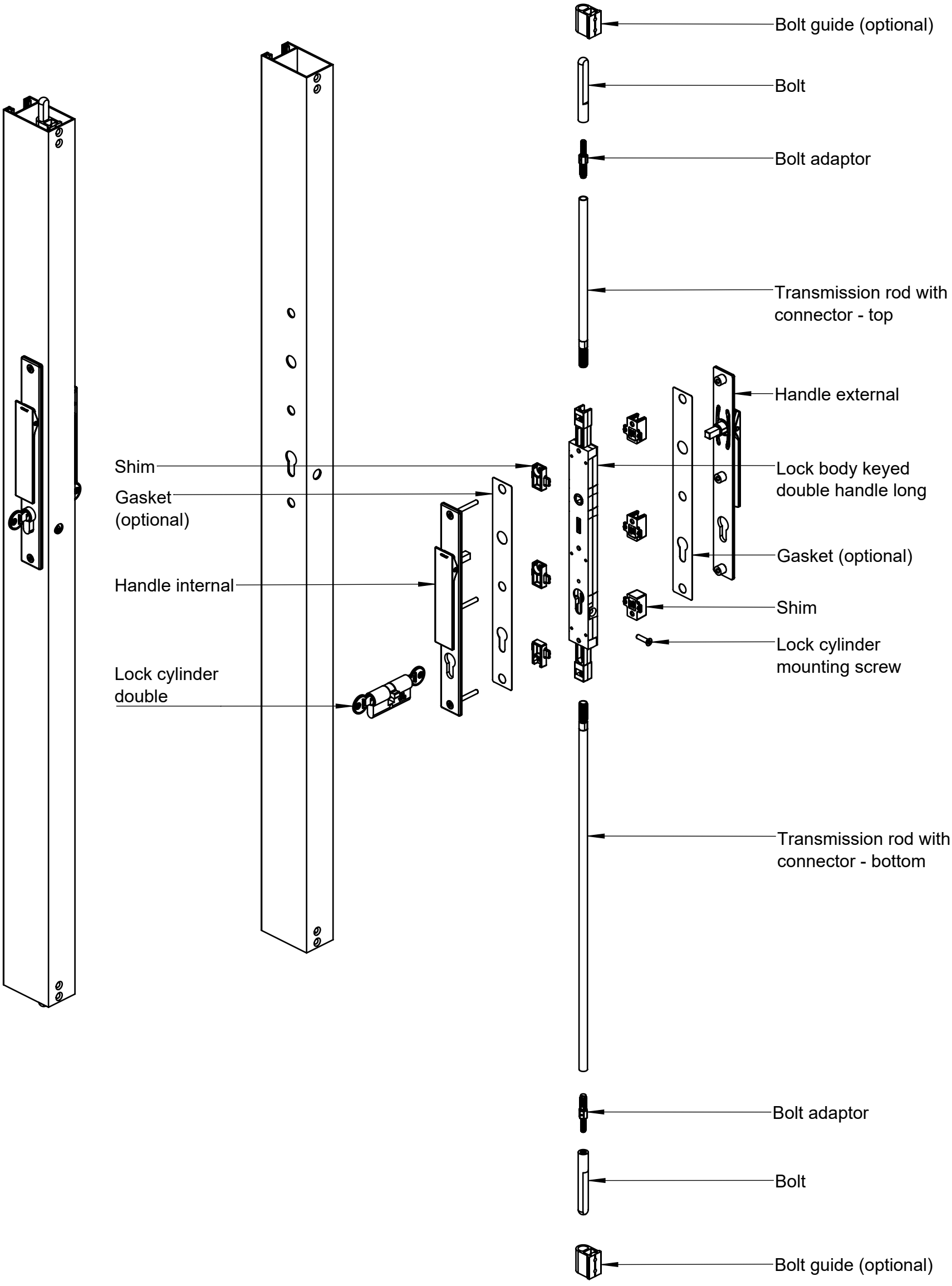
The drawings download provides a folder that contains all the drawings.

1. There are two folders. One for dwg and one for dxf.
2. Use the technical documents as an index to select the appropriate drawing. The drawing file name is printed at the bottom right corner of the page.



PRODUCT DETAILS

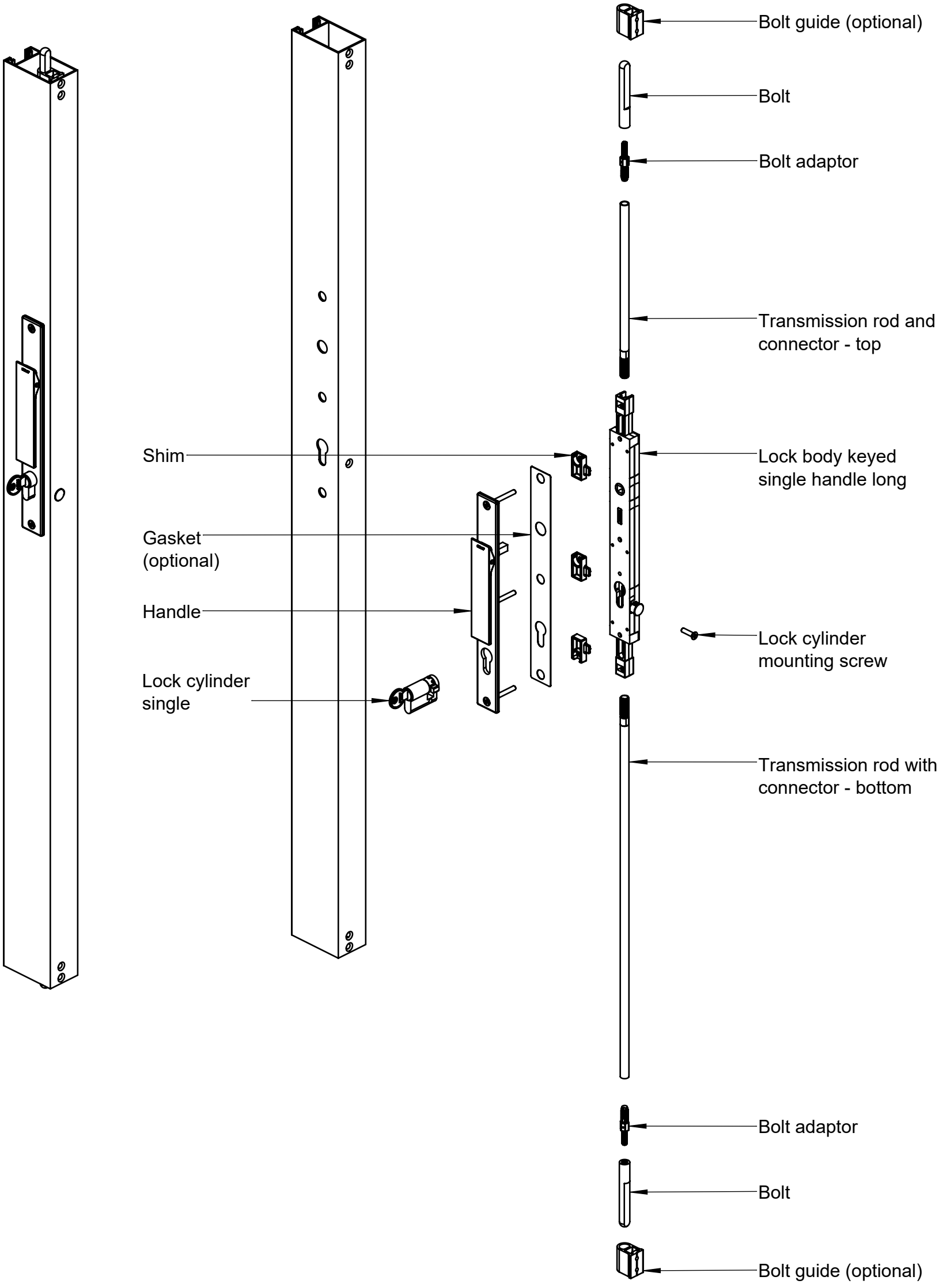
Hollow panel with TwinPoint Gen2 double handle, keyed, long



Notes:
1. Stainless steel double handle, keyed, long shown. Zinc diecast double handle, keyed, long is fitted the same way.
2. Gasket not required for zinc diecast handles.

PRODUCT DETAILS

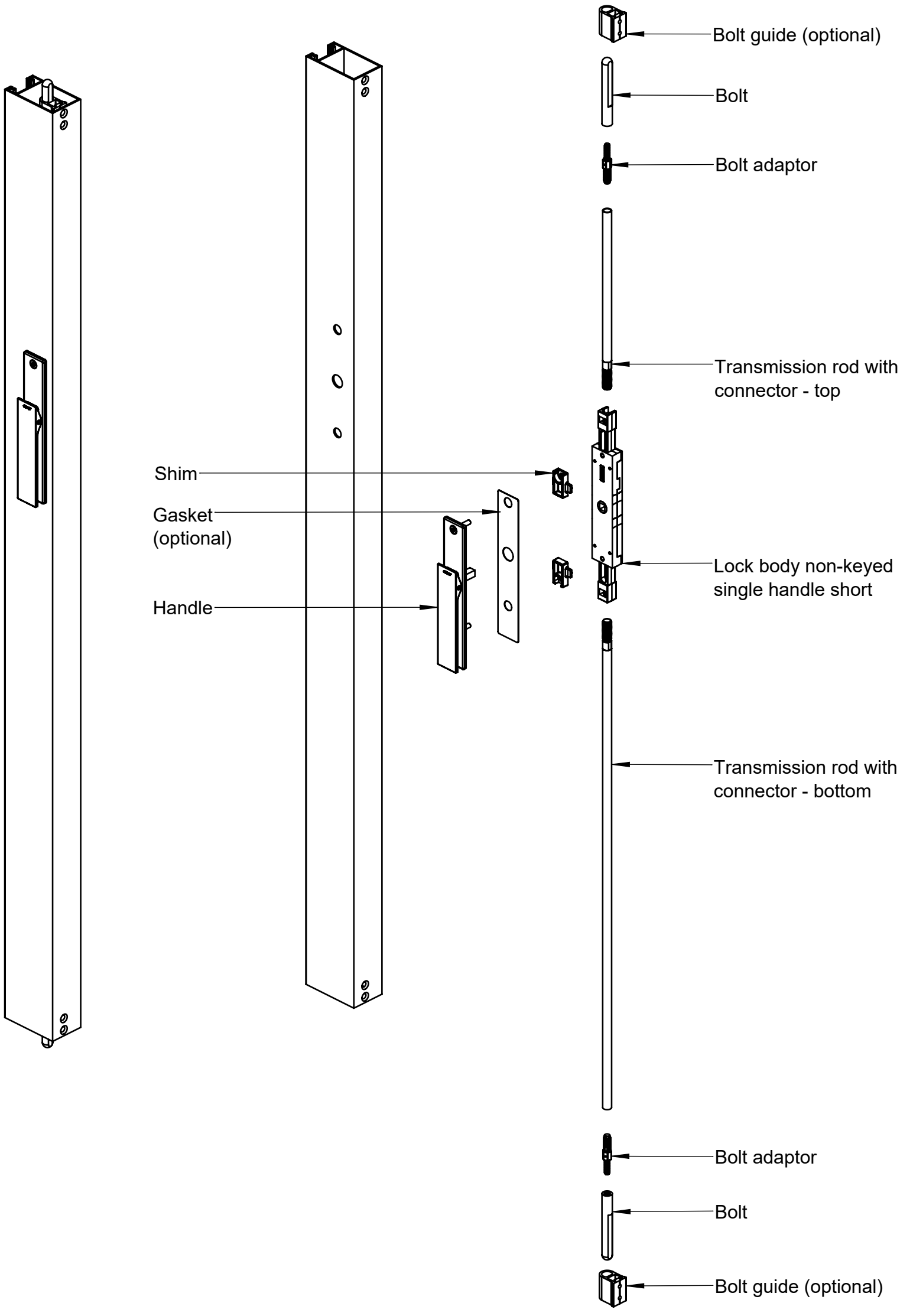
Hollow panels with TwinPoint Gen2 single handle, keyed, long



Notes:
1. Stainless steel single handle, keyed, long shown. Zinc diecast single handle, keyed, long is fitted the same way.
2. Gasket not required for zinc diecast handles

PRODUCT DETAILS

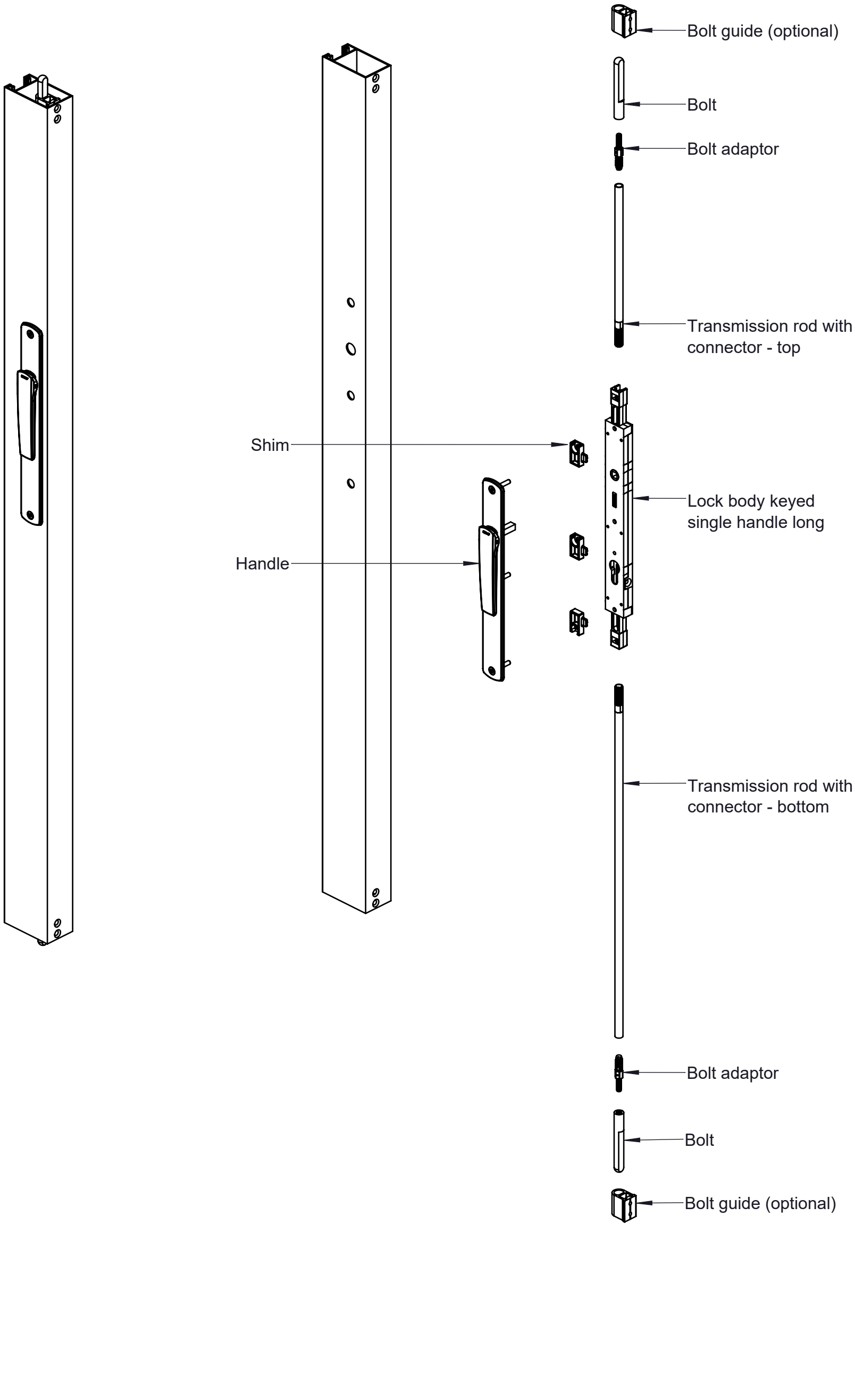
Hollow panels with TwinPoint Gen2 single handle, non-keyed, short



Notes:
1. Stainless steel single handle, non-keyed, short shown. Zinc diecast single handle, non-keyed, short is fitted the same way.
2. Gasket not required for zinc diecast handles.

PRODUCT DETAILS

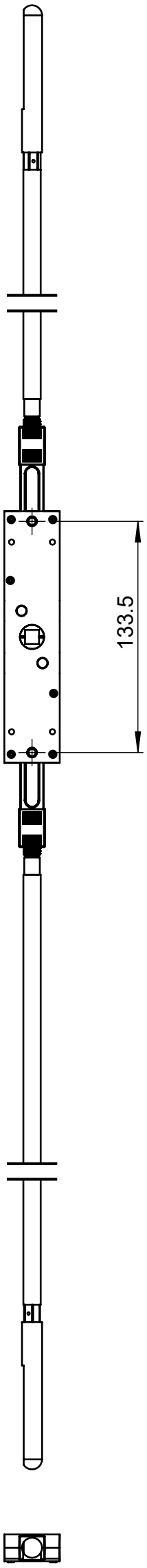
Hollow panel with TwinPoint Gen2 zinc diecast single handle, non-keyed, long

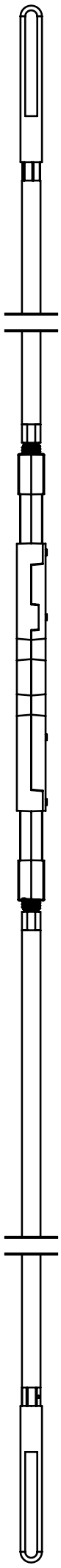


ASSEMBLY DETAIL

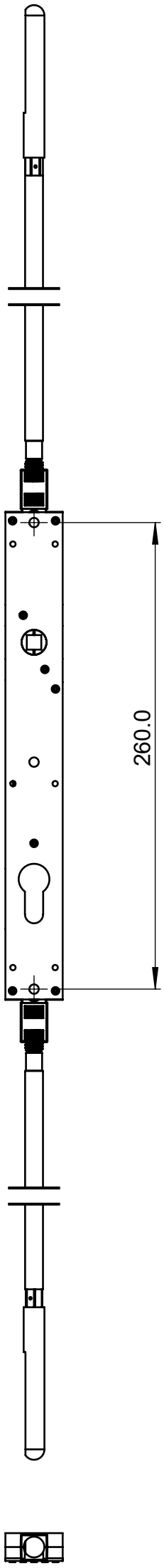
centor®

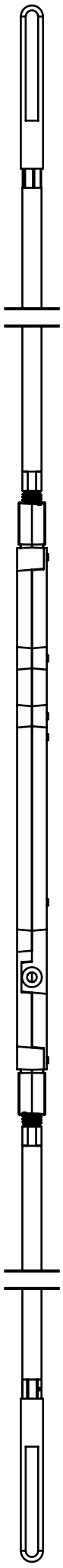
Non-keyed





Keyed



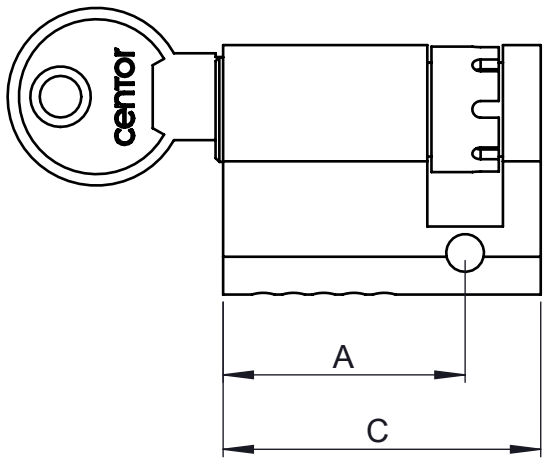


Notes:
Lock shown in extended state.

LOCK CYLINDER DETAILS

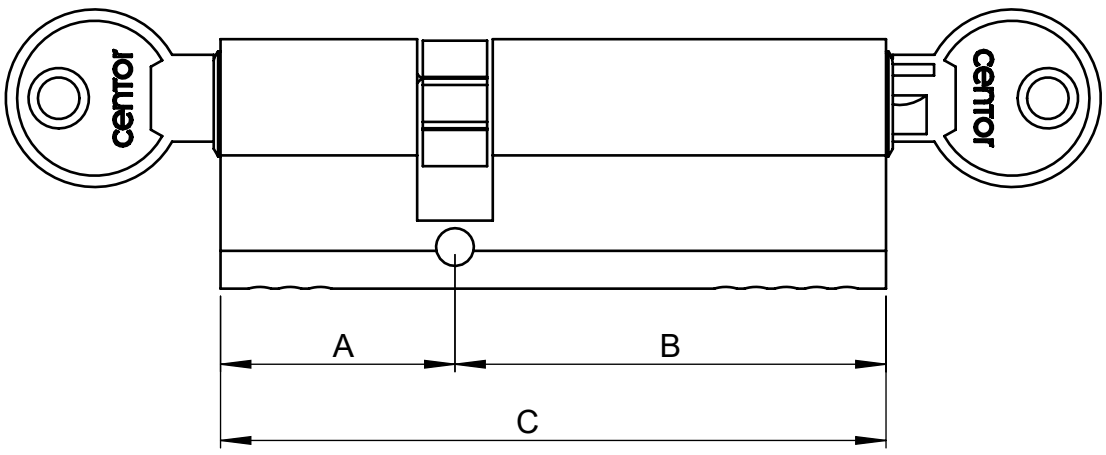
Single cylinder size

Cylinder item number	Dimension (mm)	
	A	C
TPL-022-*	23	33
TPL-023-*	32	42
TPL-064-35-*	35	45
TPL-064-40-*	40	50
TPL-064-45-*	45	55
TPL-064-50-*	50	60
TPL-064-55-*	55	65
TPL-064-60-*	60	70
TPL-064-65-*	65	75
TPL-064-70-*	70	80
TPL-064-75-*	75	85

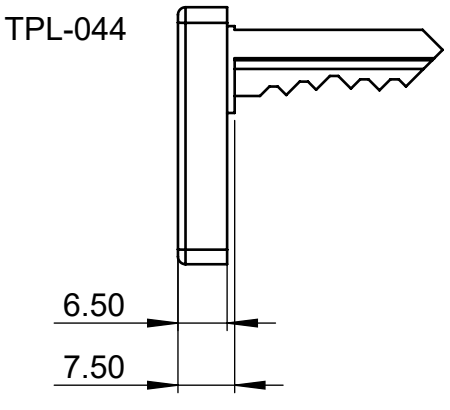


Double cylinder size - 6 pin security

Cylinder item number	Dimension (mm)		
	A	B	C
TPL-050-65-*	30	35	65
TPL-050-70-*	30	40	70
TPL-050-75-*	30	45	75
TPL-050-80-*	30	50	80
TPL-050-85-*	30	55	85
TPL-050-90-*	30	60	90
TPL-050-95-*	30	65	95
TPL-050-100-*	30	70	100
TPL-050-105-*	30	75	105



Key with thumb turn - C4 keyway



TPL-044 is a 5-pin key with a low profile thumb turn.
It will not hit and dent the opposite stile if it is left in the lock.
It can only be used with cylinders TPL-022-KA-* and TPL-023-KA-*.

Notes:

1. All single cylinders can be rehanded and the rehanding instruction is provided in the cylinder kit.

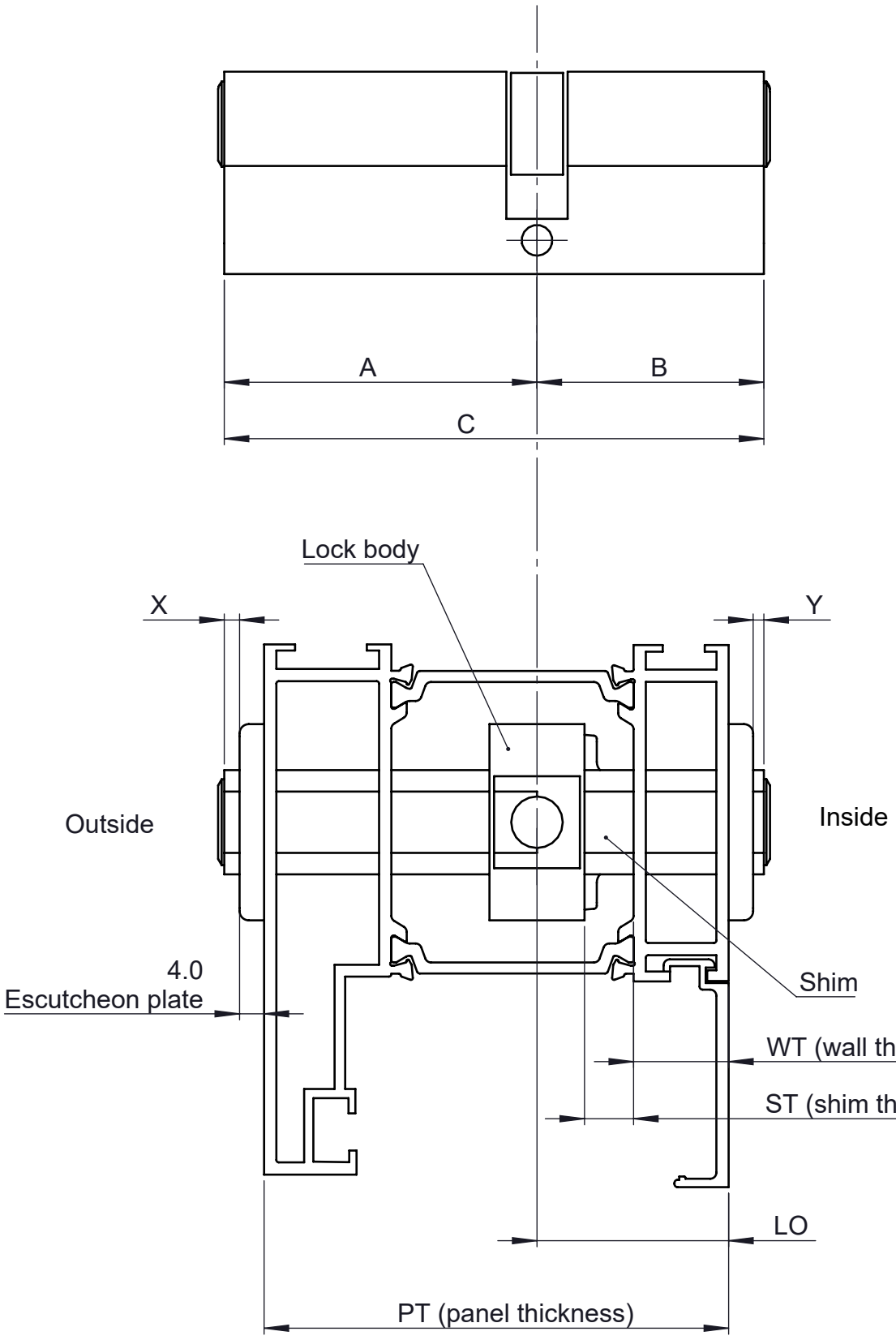
LOCK CYLINDER DETAIL

Lock cylinder protrusion

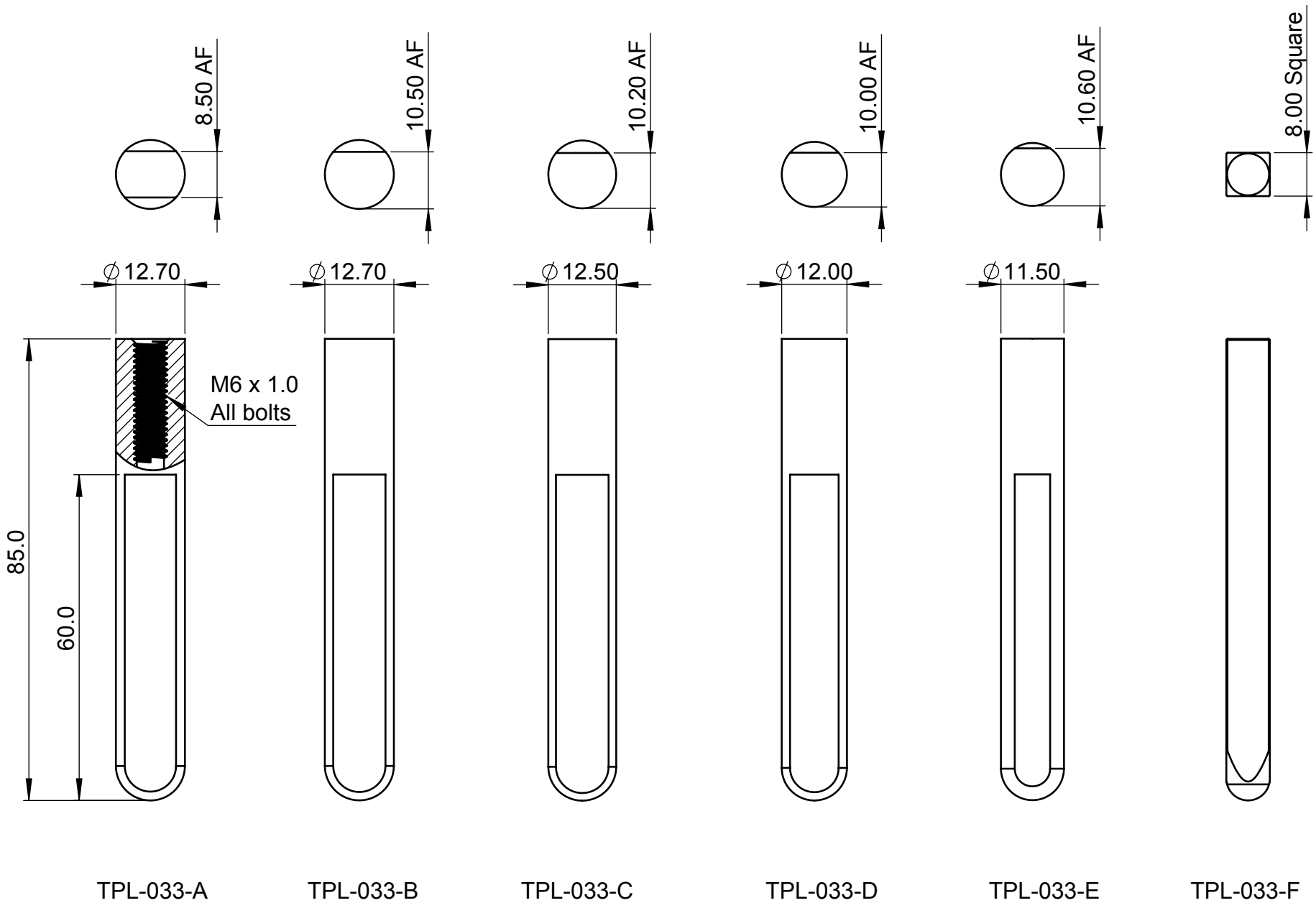
When lock cylinder is fitted in the orientation shown in the graphic, the cylinder protrusion can be calculated in accordance to the following formulas

Lock body offset	Cylinder protrusion outside	Cylinder protrusion inside
LO = WT + ST + 7.75mm	X = A - PT + LO - 4.0mm	Y = B - LO - 4.0mm

Notes:
1. When thumb turn key TPL-044 is used, the cylinder protrusion should be less than 3mm to prevent the thumb turn from hitting the opposite stile when the doors are opened.
2. Negative value of X or Y means the cylinder will sit below the escutcheon.

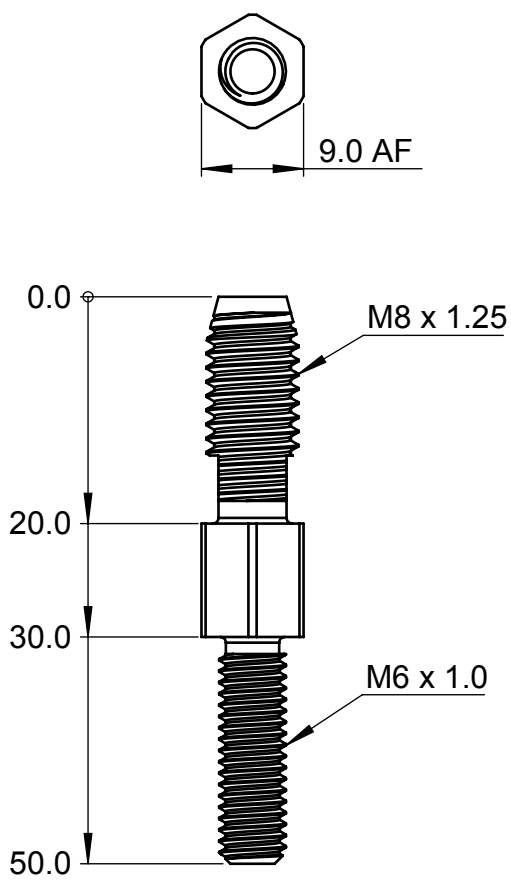


BOLT DETAILS

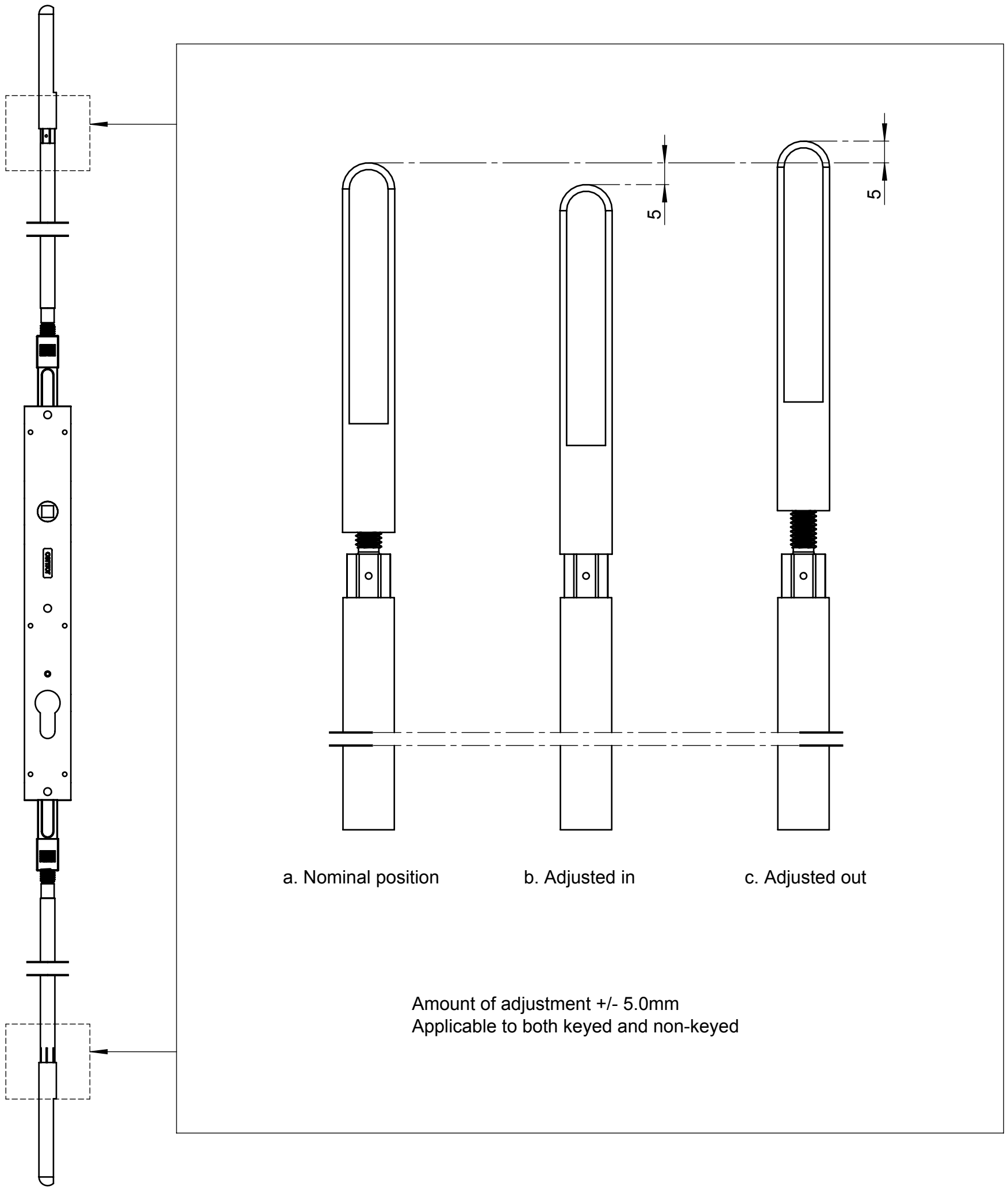


TPL-033-A TPL-033-B TPL-033-C TPL-033-D TPL-033-E TPL-033-F

The bolt adaptor (supplied with any bolt)



BOLT ADJUSTMENT DETAIL

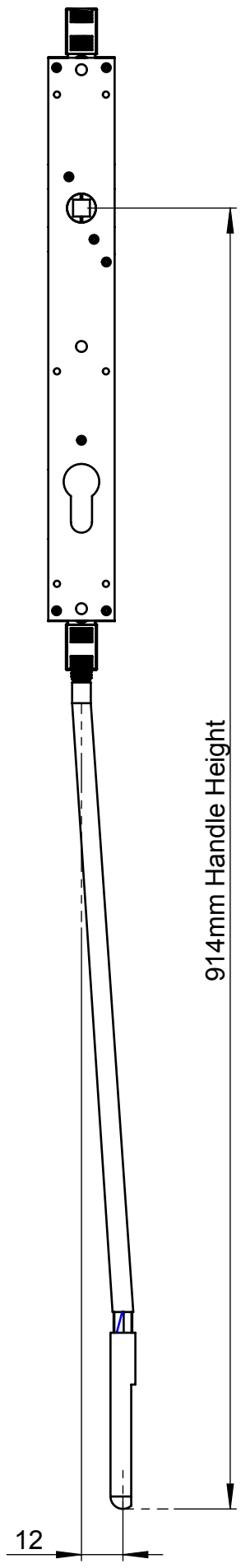


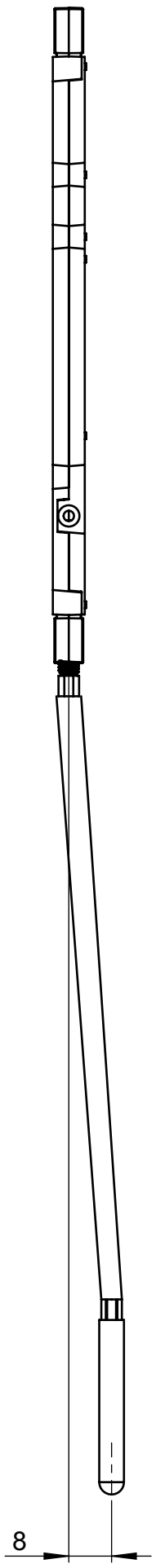
Amount of adjustment +/- 5.0mm
Applicable to both keyed and non-keyed

LOCK BODY AND BOLT ALIGNMENT

The lock body and bolt allow centain misalignment when fitted in hollow panel. The amount of misalignment is determined by the length of transmission rod.

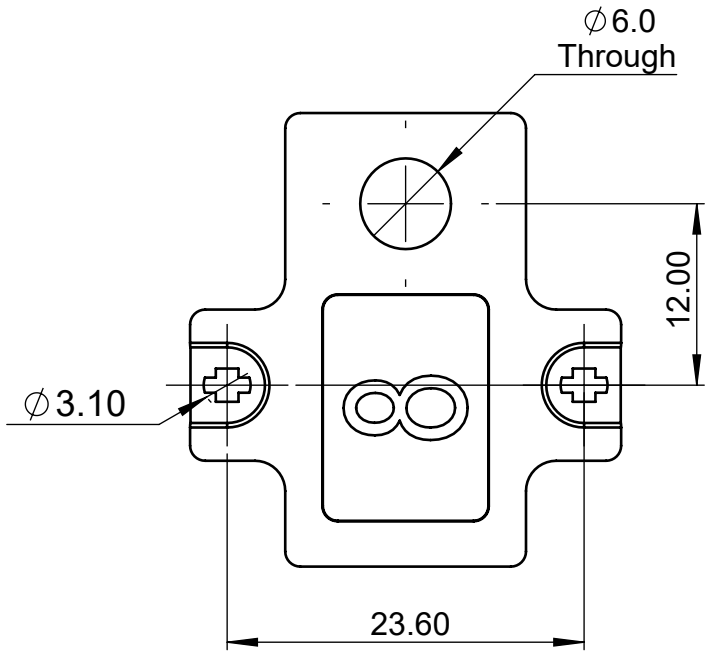
As a guide, the following graphics show the allowable misalignment for handle height 914mm.

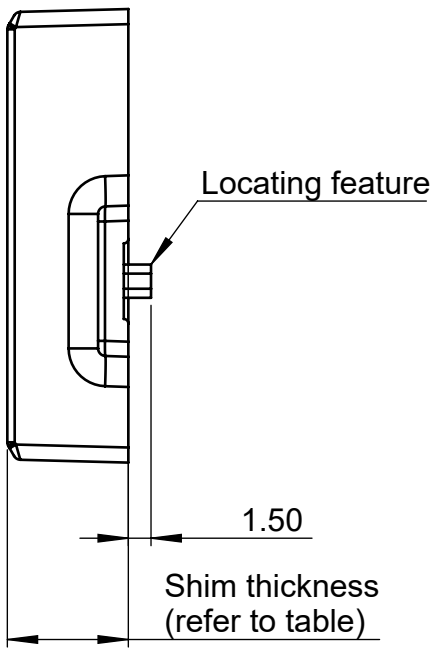


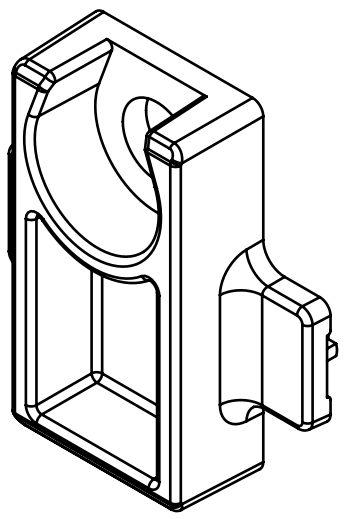


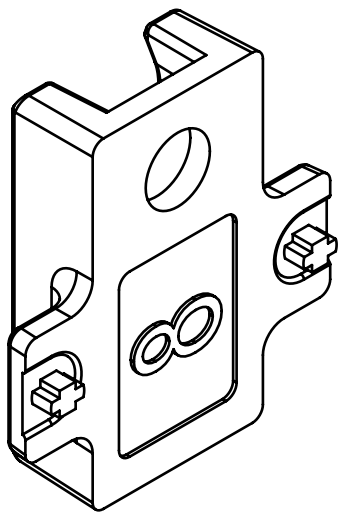
SHIM DETAIL

Shim item number	Shim thickness
TPL-038-05-*	5mm
TPL-038-08-*	8mm
TPL-038-16-*	16mm





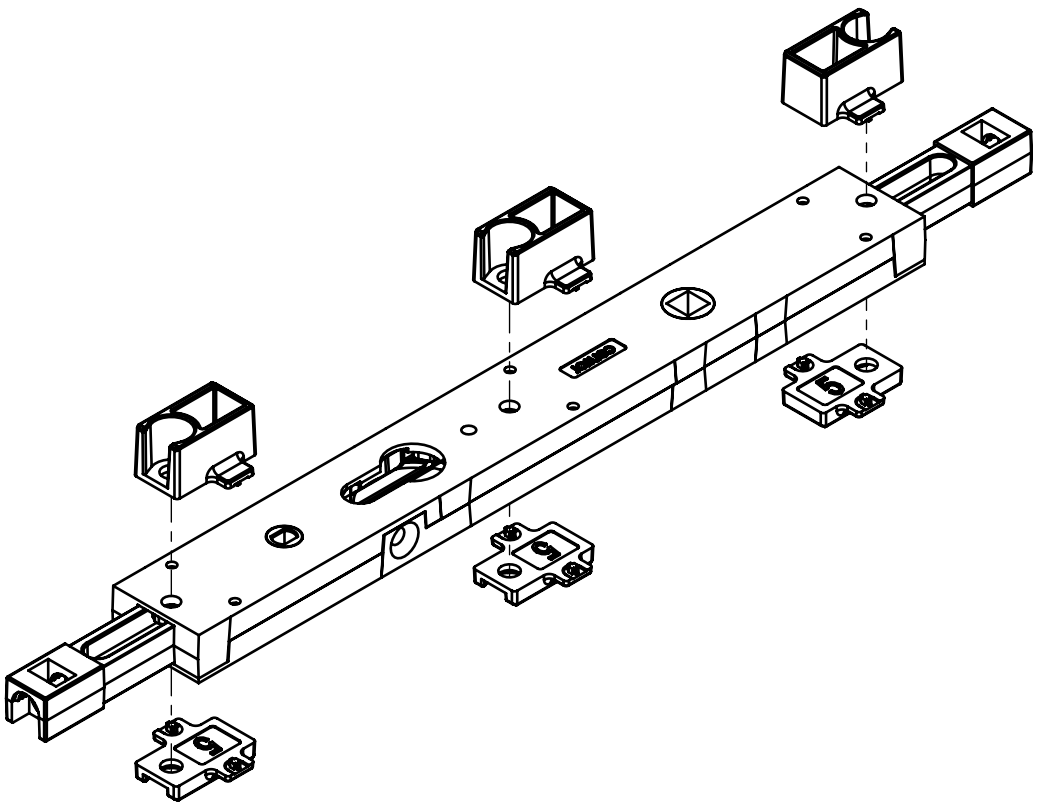


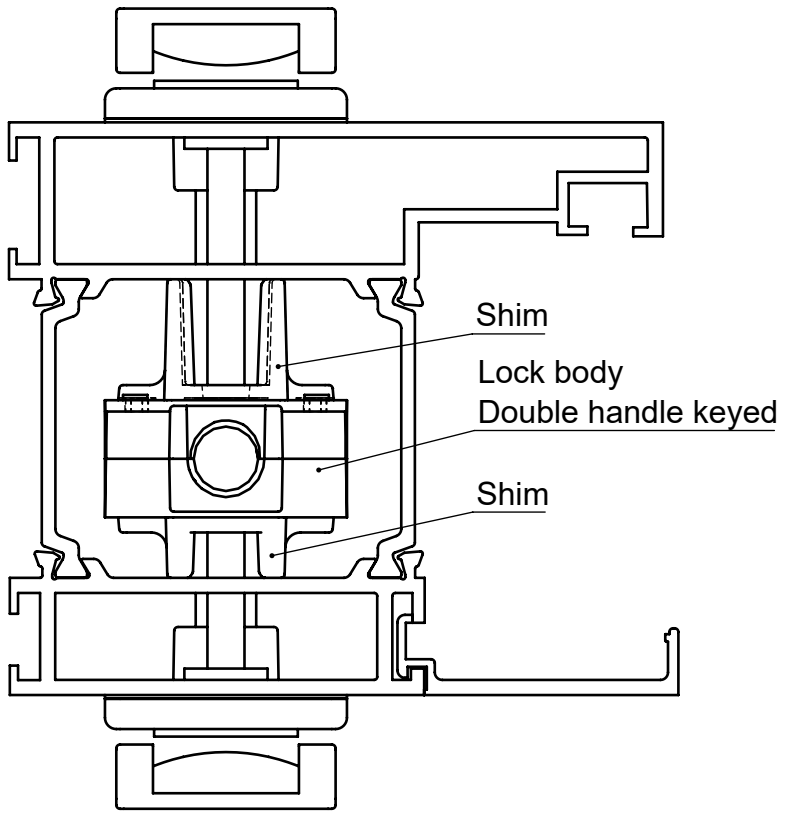


Notes:
8mm shim shown.

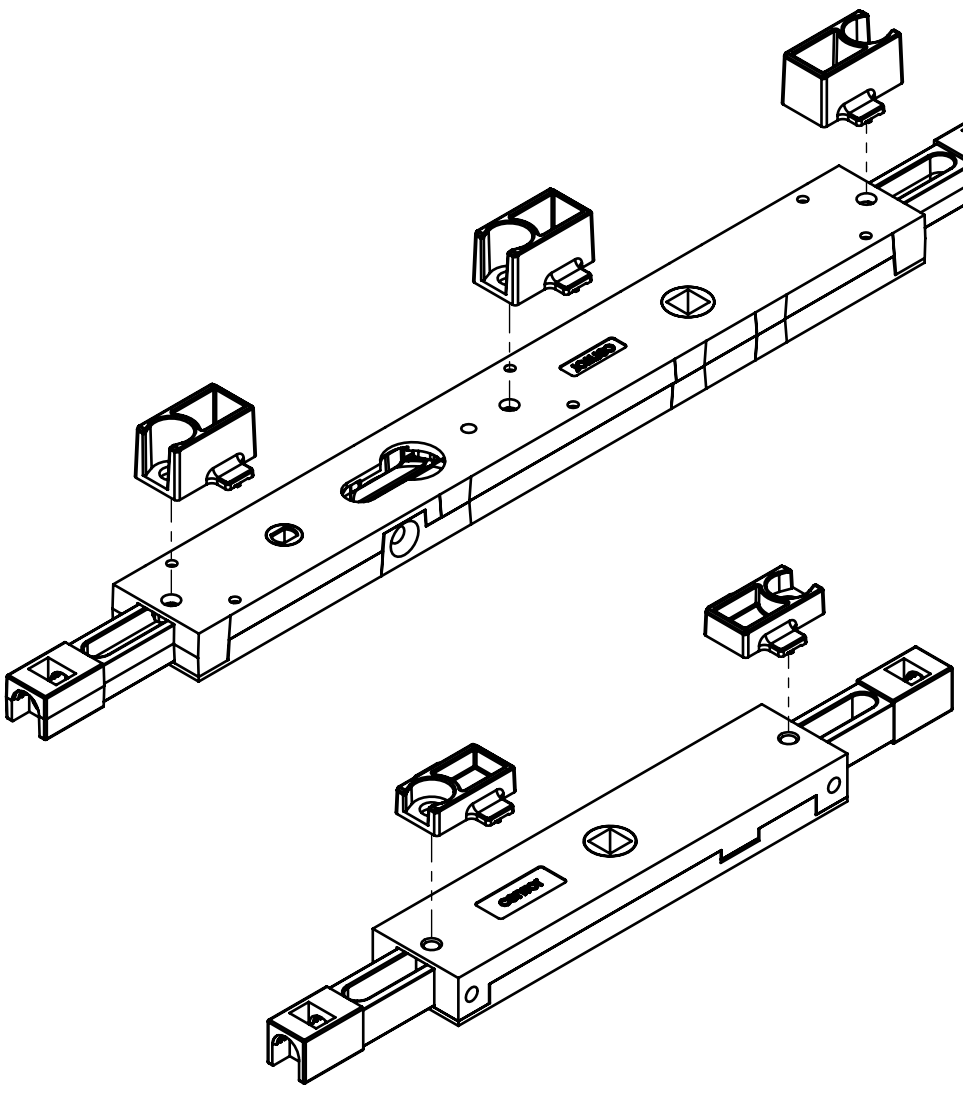
LOCK BODY AND SHIM ARRANGEMENT

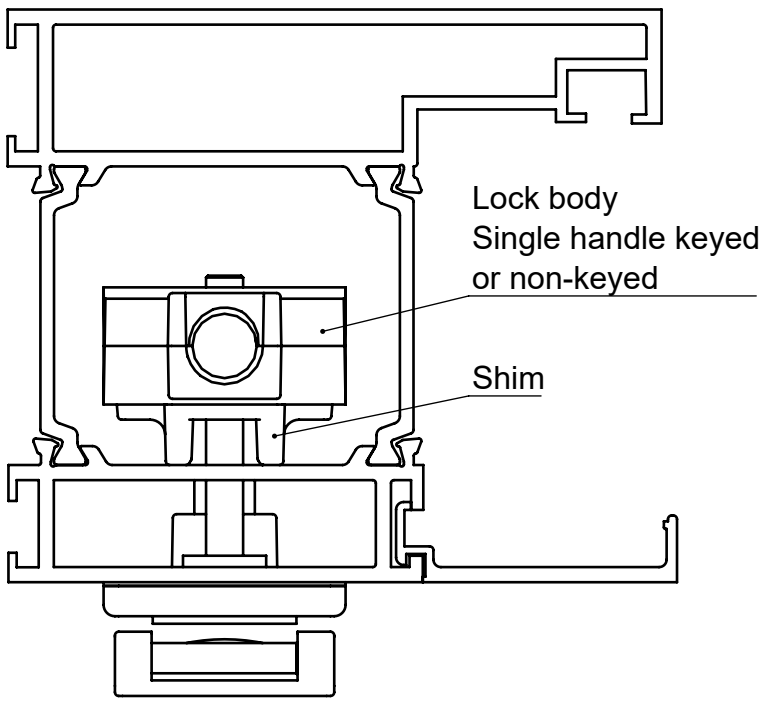
Double handle keyed in hollow stile



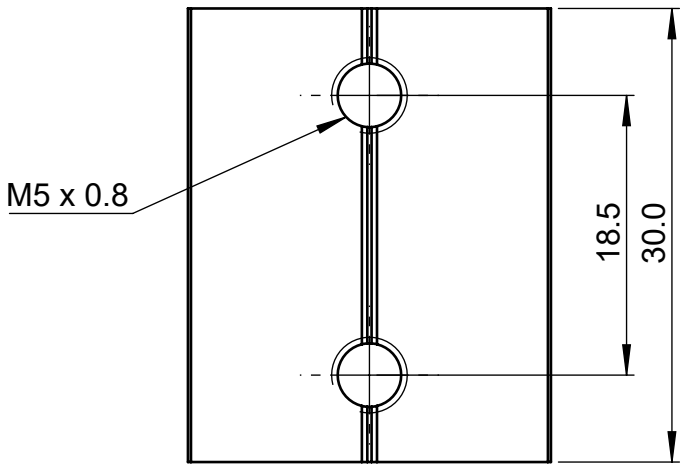


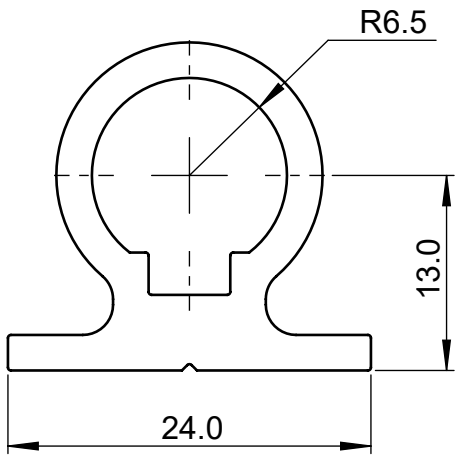
Single handle keyed and non-keyed in hollow stile



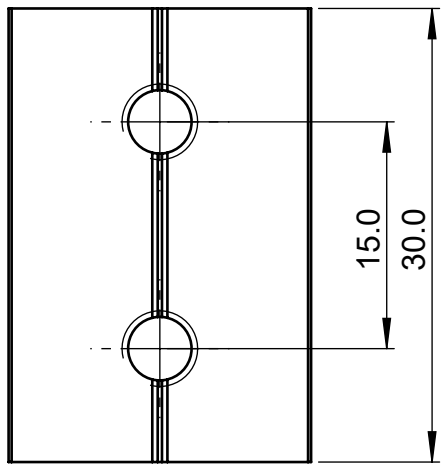


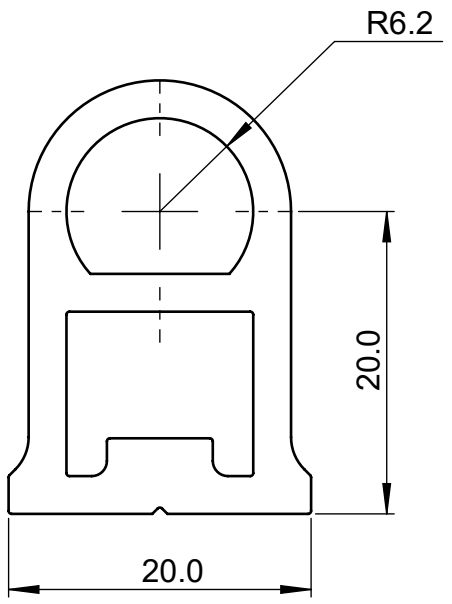
BOLT GUIDE DETAILS



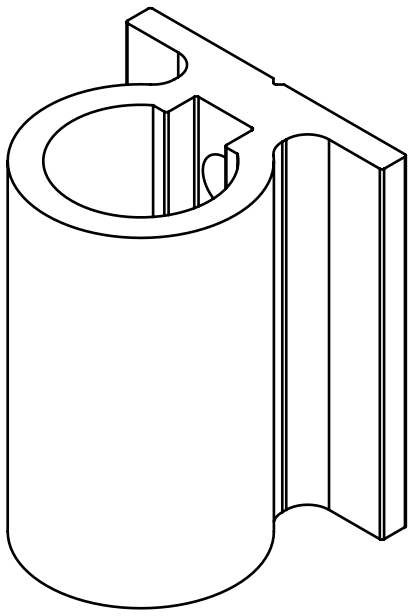


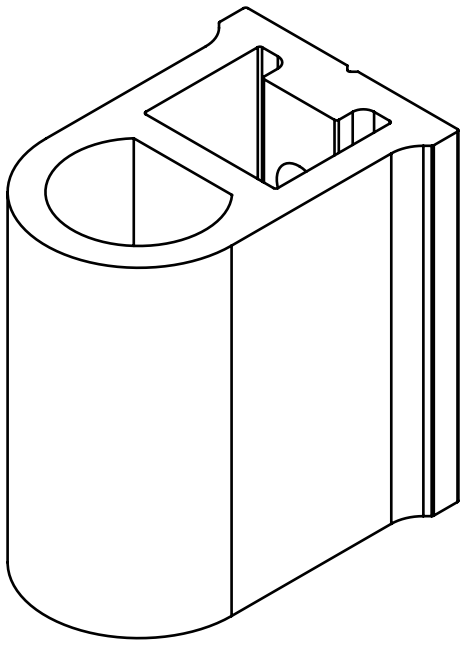
TPL-034





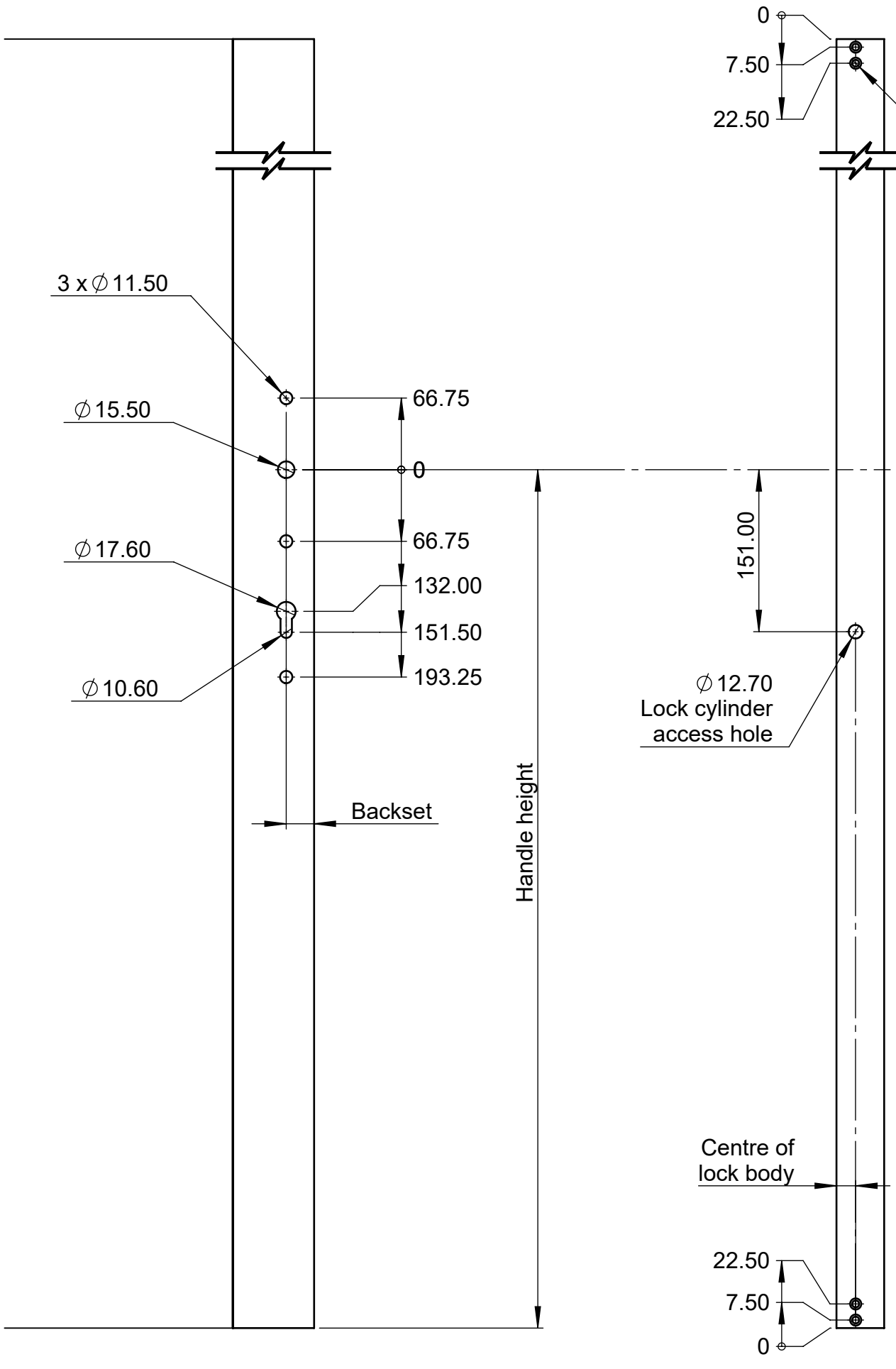
TPL-035





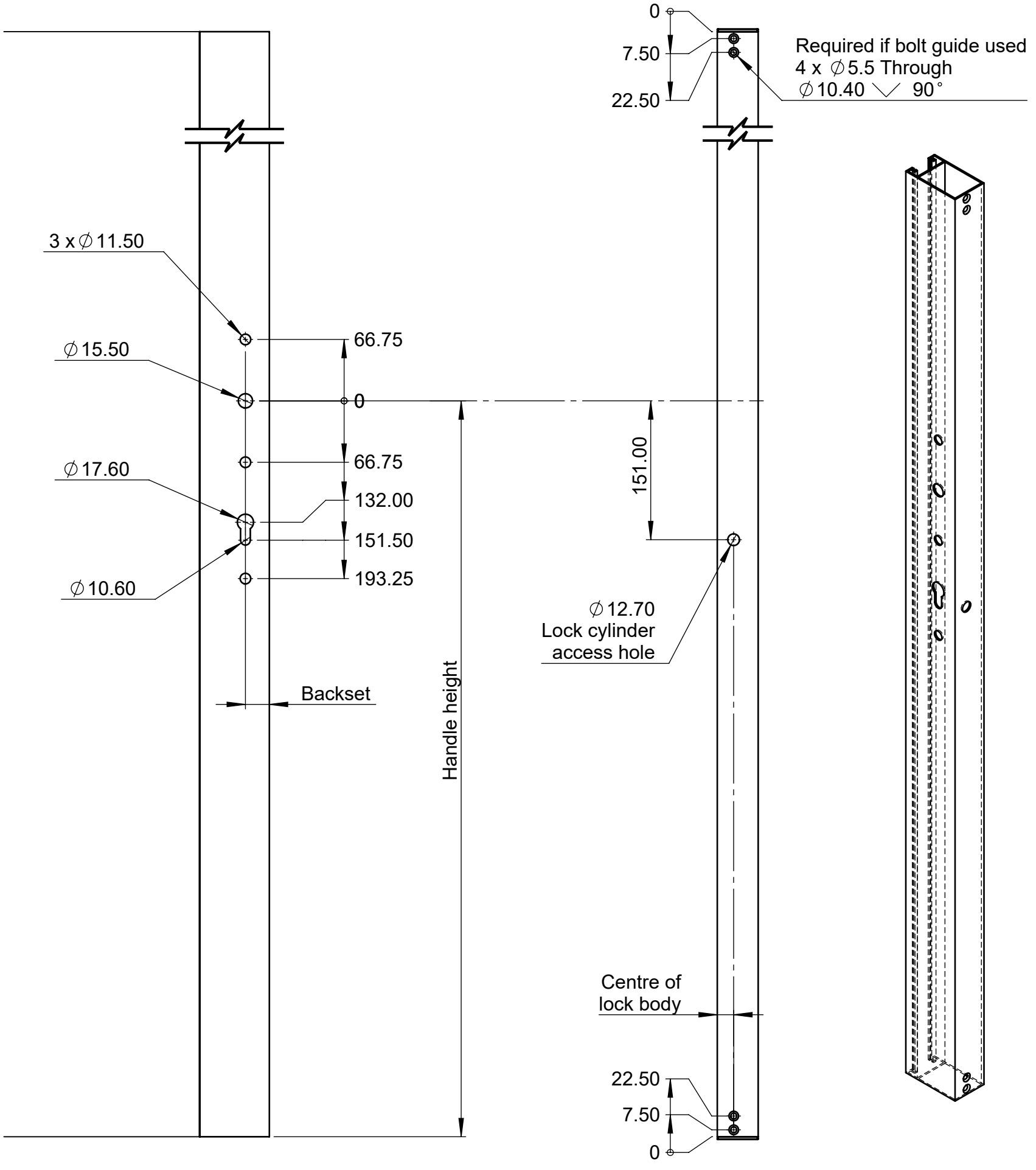
MACHINING DETAIL

Double handle, keyed, long



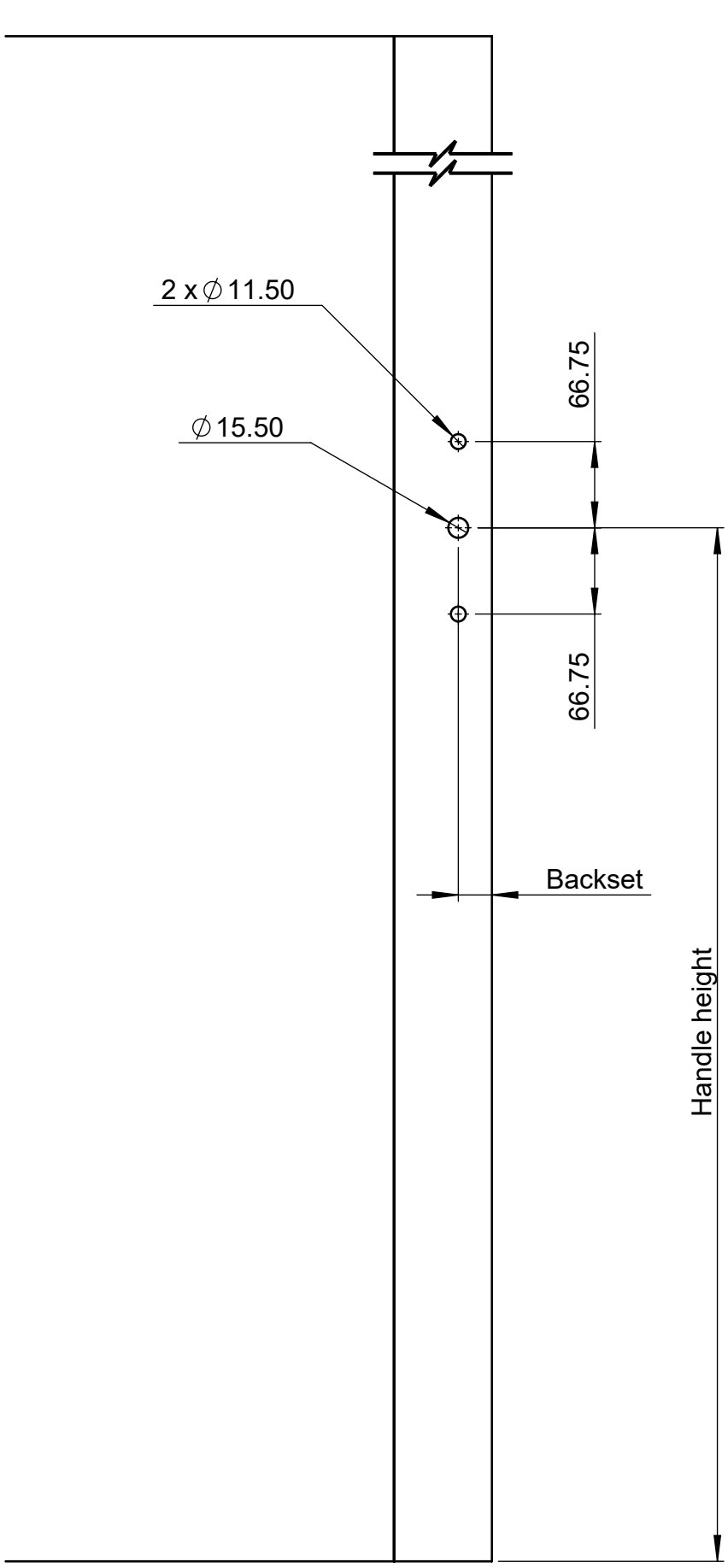
MACHINING DETAIL

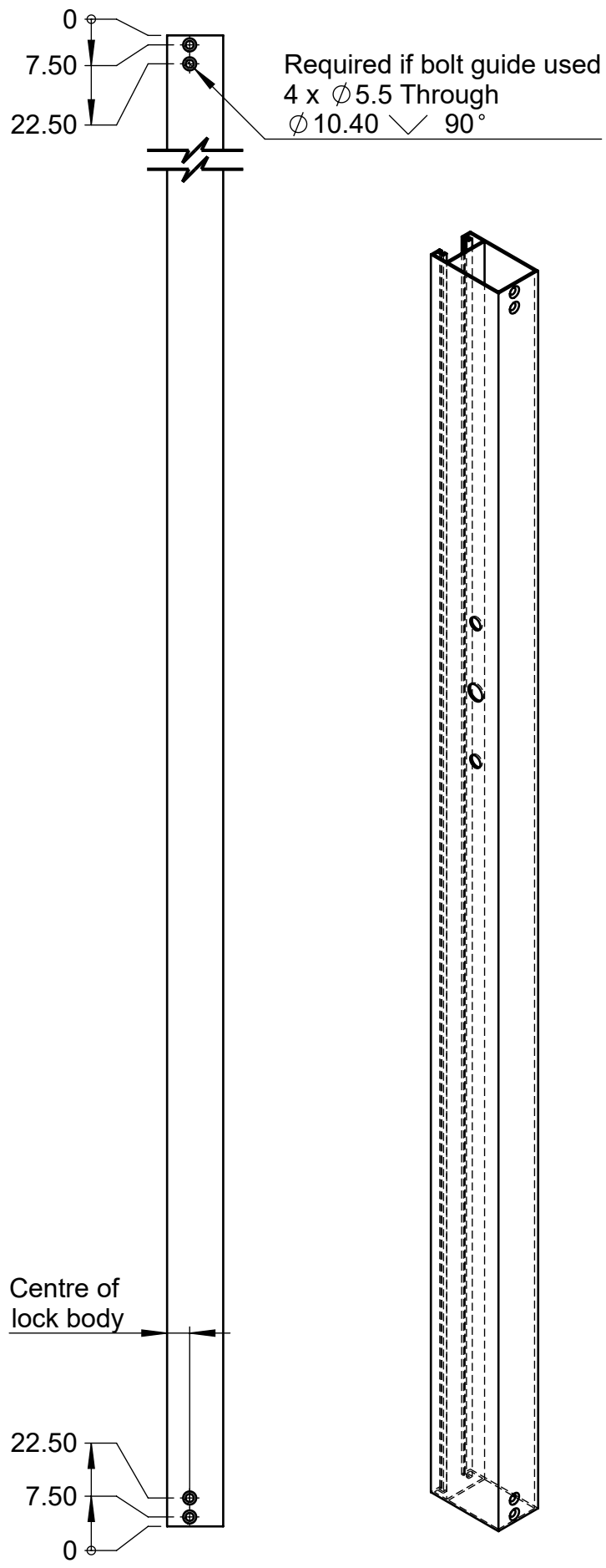
Single handle, keyed, long



MACHINING DETAIL

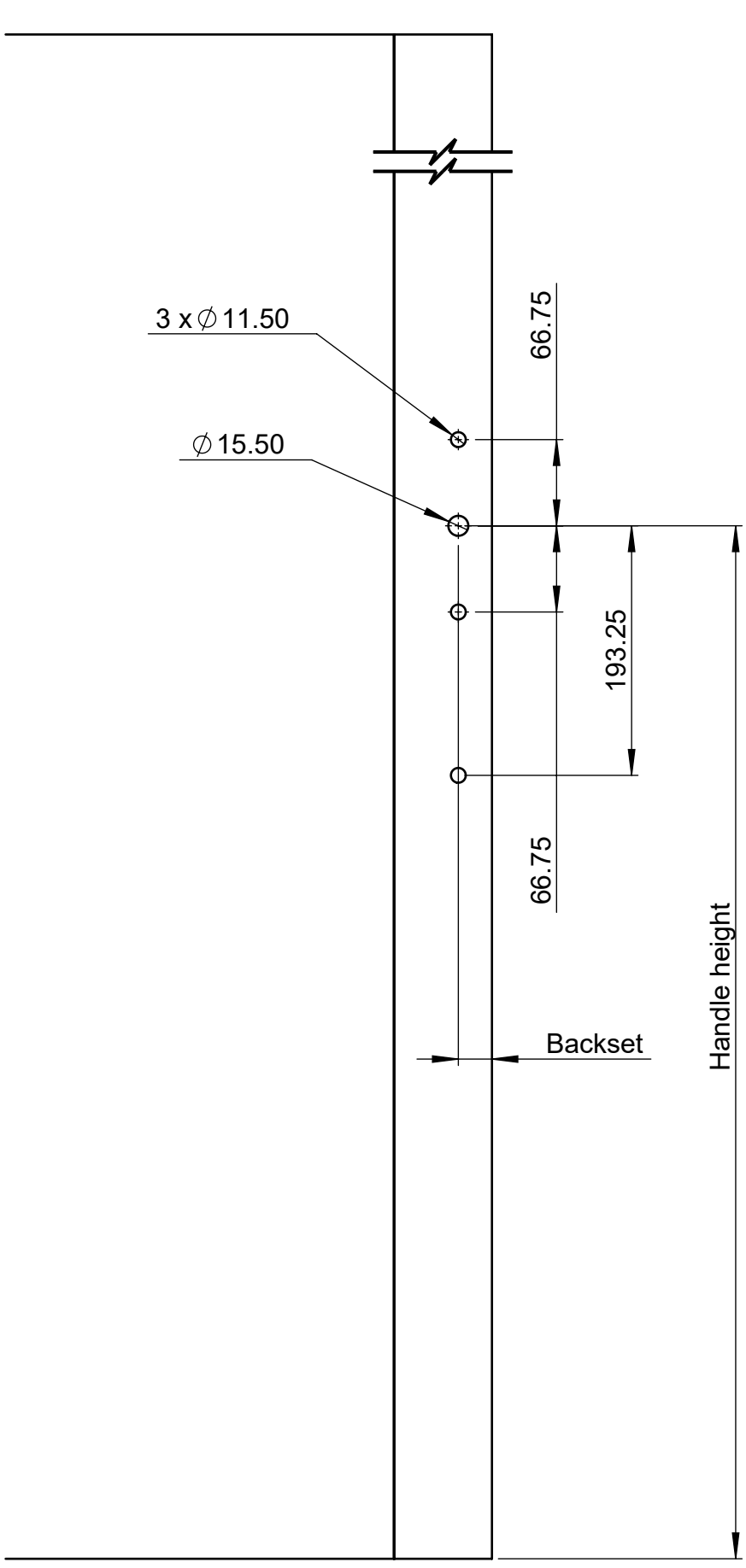
Single handle, non-keyed, short

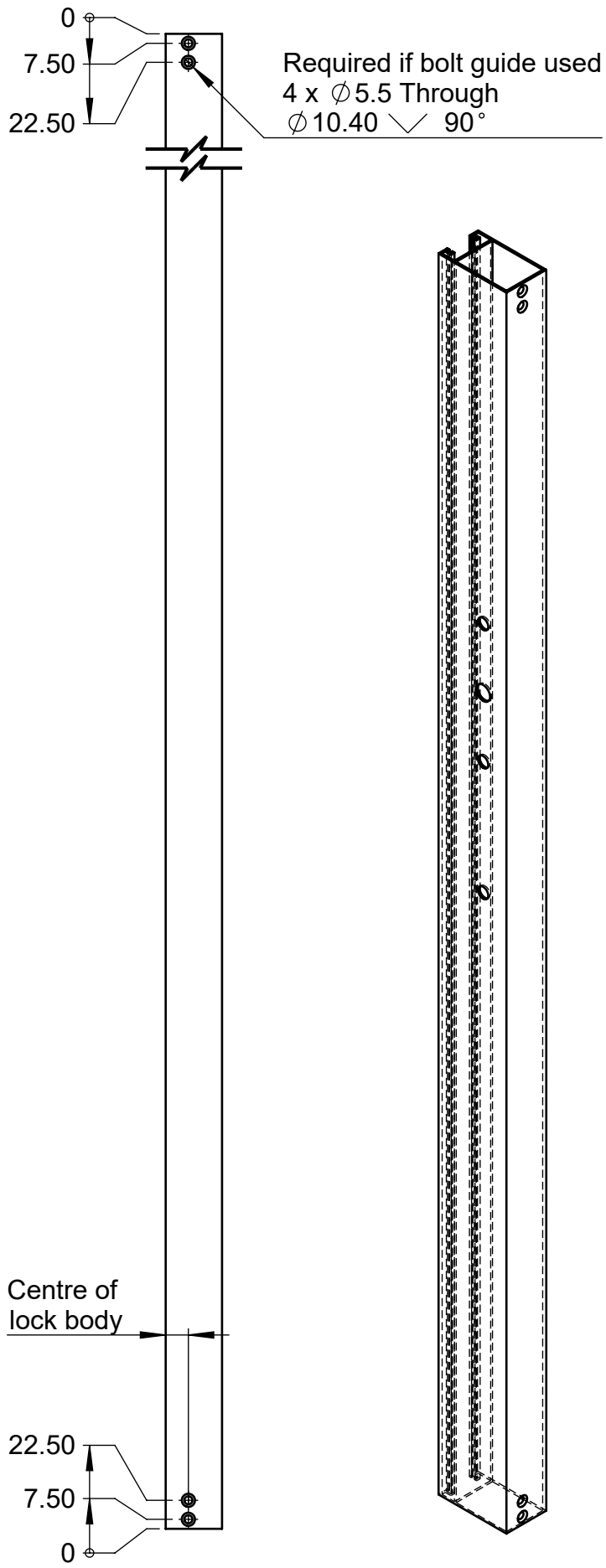




MACHINING DETAIL

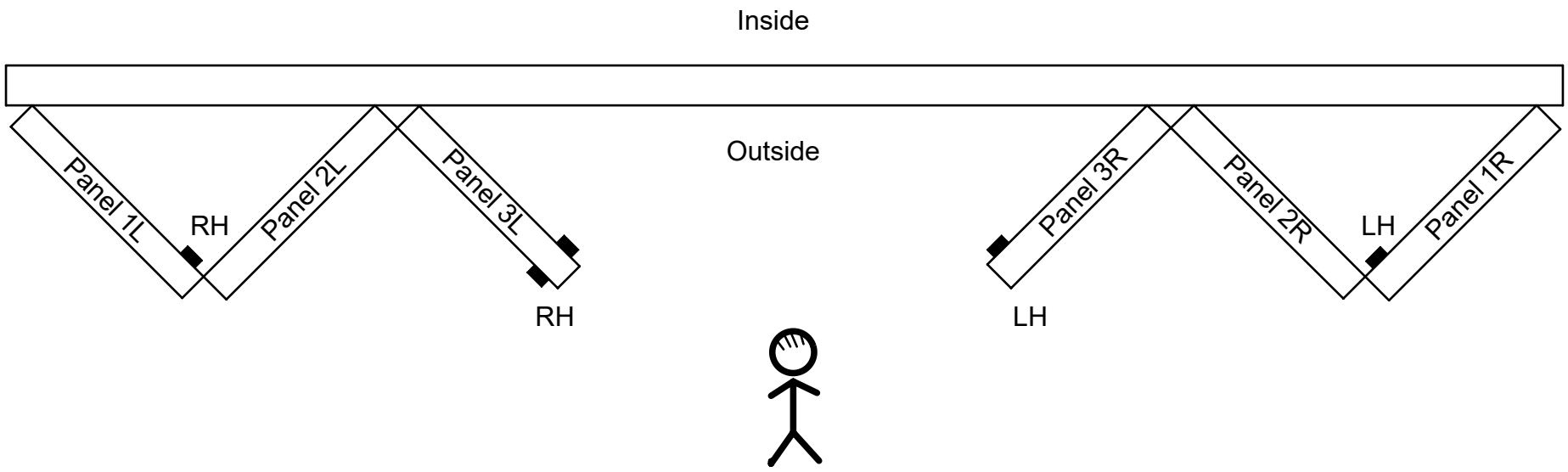
Single handle, non-keyed, long





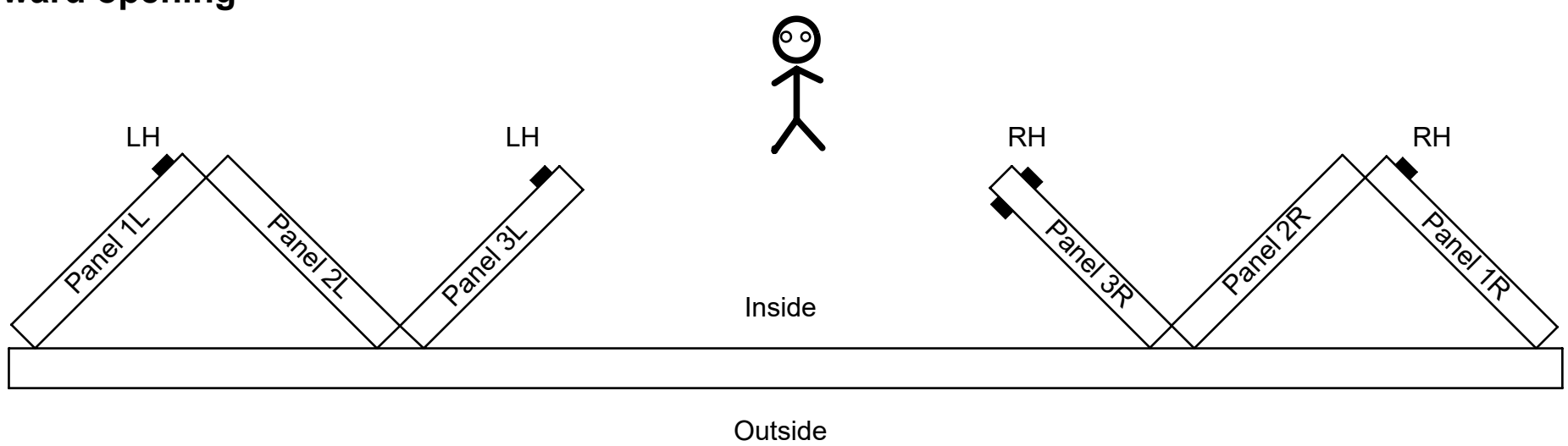
LOCK CYLINDER HANDING DEFINITION

Outward opening



Opening	View	Lock cylinder handing	Location
Outward	From outside	LH - Left hand	Left side of panel
		RH - Right hand	Right side of panel

Inward opening



Opening	View	Lock cylinder handing	Location
Inward	From inside	LH - Left hand	Left side of panel
		RH - Right hand	Right side of panel

Notes:

1. Be careful. The viewing position for defining the handing varies for different feartures.

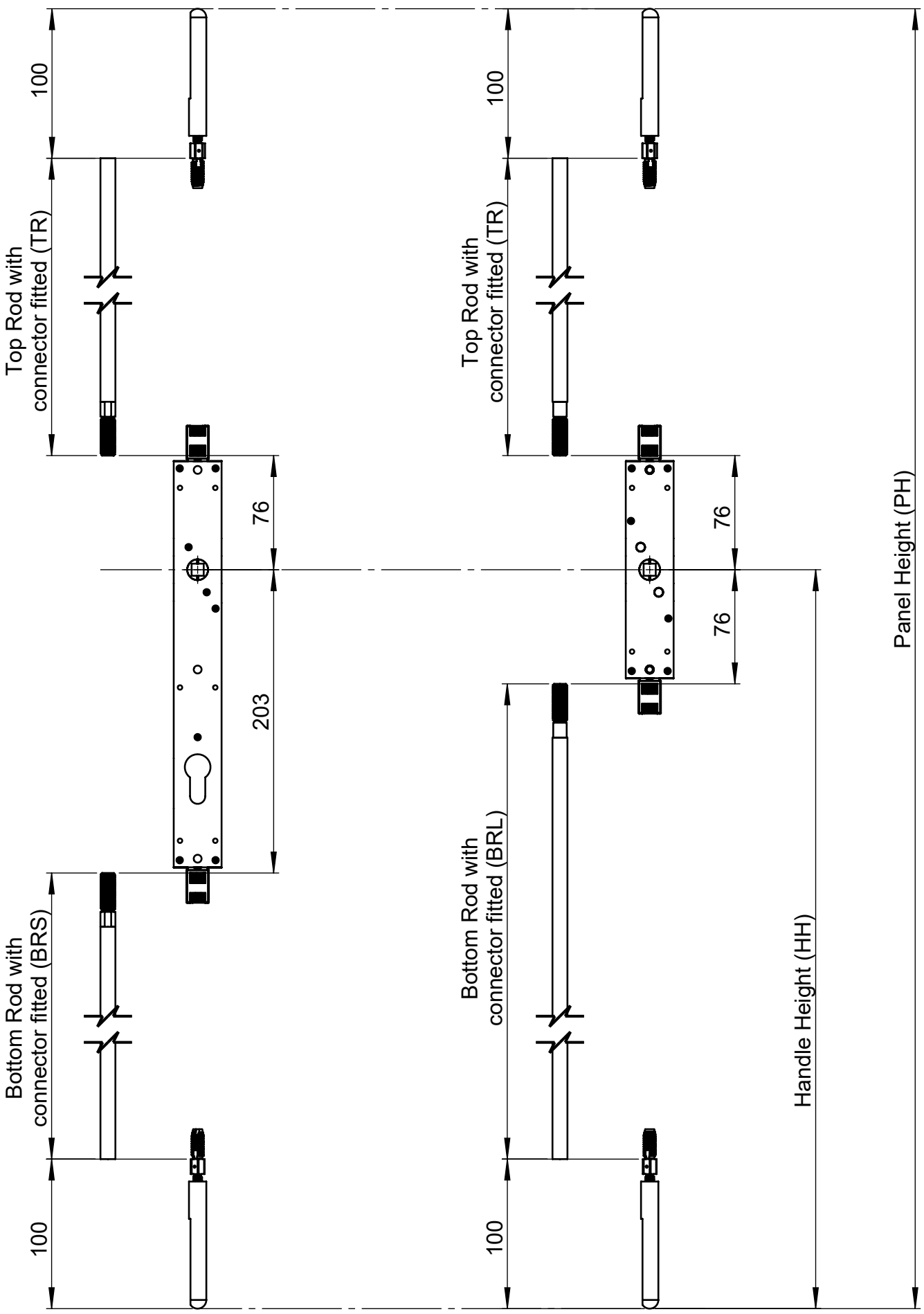
Panels	Always from outside.
Lock cylinders	Outside for outward opening and inside for inward opening.

TRANSMISSION ROD LENGTH FORMULA

Transmission rods with connector fitted

Top	All	TR = PH - HH - 176
Bottom	Lock body non-keyed	BRL = HH - 176
	Lock body keyed	BRS = HH - 303

Notes:
All dimensions in mm.



PANEL AND HANDLE HEIGHT LIMITS

Panel & handle height limits

Handle height			Panel height			
			Min	Max. with transmission rod sets		
				2440	3050	4000
Standard	All lock body	1020	1332	2552	3162	4112
Min	Lock body non-keyed	312	624	1844	2454	3404
	Lock body keyed	439	751	1971	2581	3531
Max	Lock body non-keyed	1102	1414	2634	3244	4194
	Lock body keyed	1229	1541	2761	3371	4321

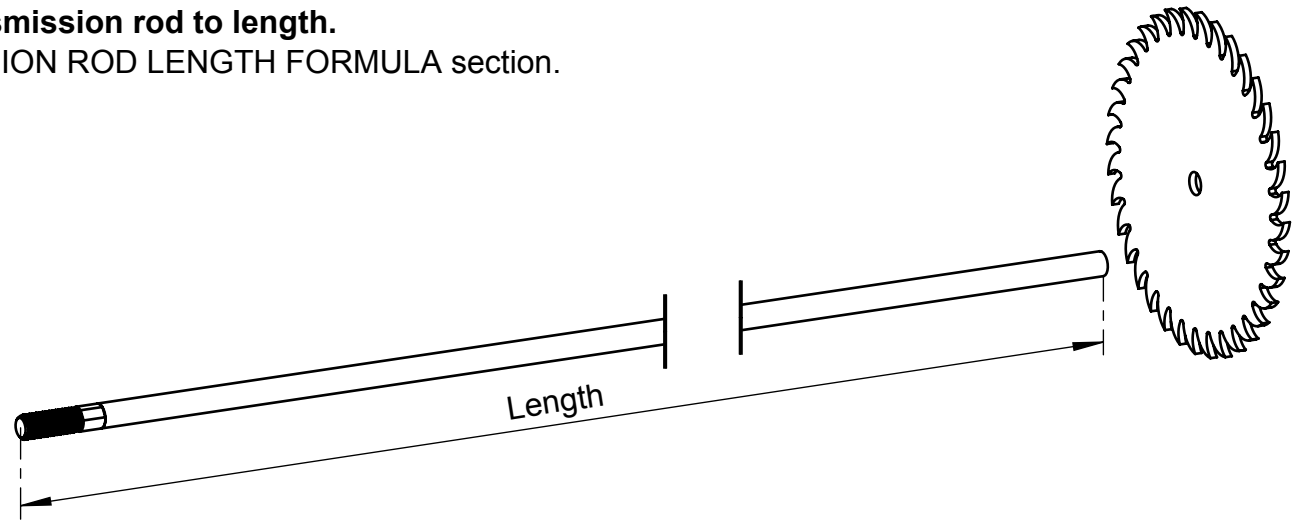
Transmission rod lengths supplied with kits

	Transmission rod sets		
	2440	3050	4000
Bottom	926	926	926
Top	1356	1966	2916

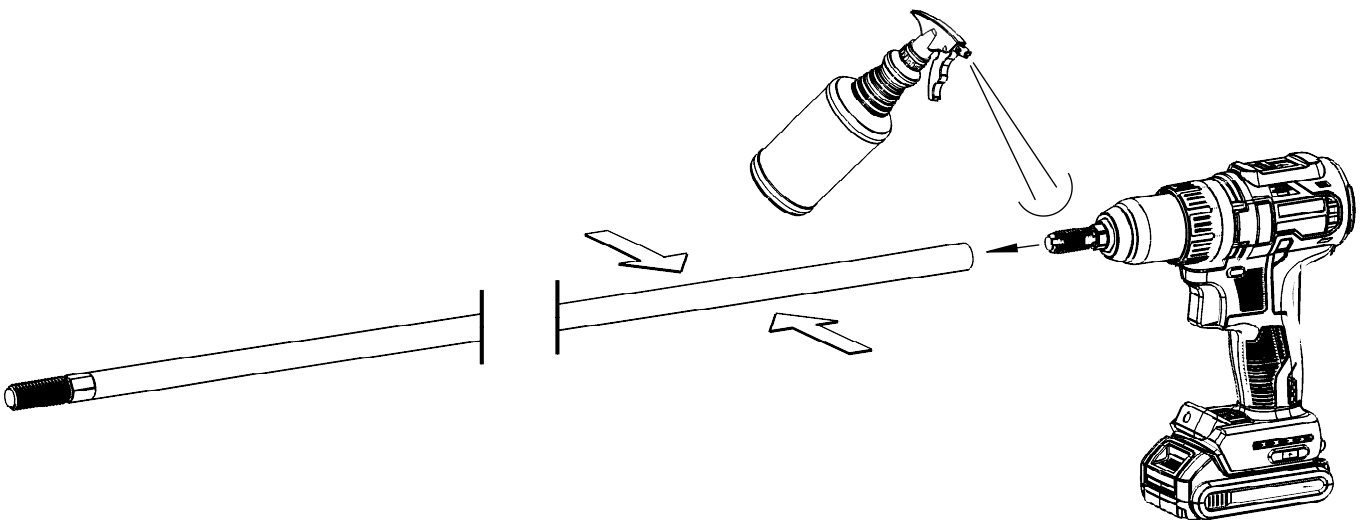
Notes:
1. All dimensions in mm.
2. All transmission rod lengths include connector.
3. Refer to graphic in previous page.

TANSMISSION ROD AND BOLT ASSEMBLY

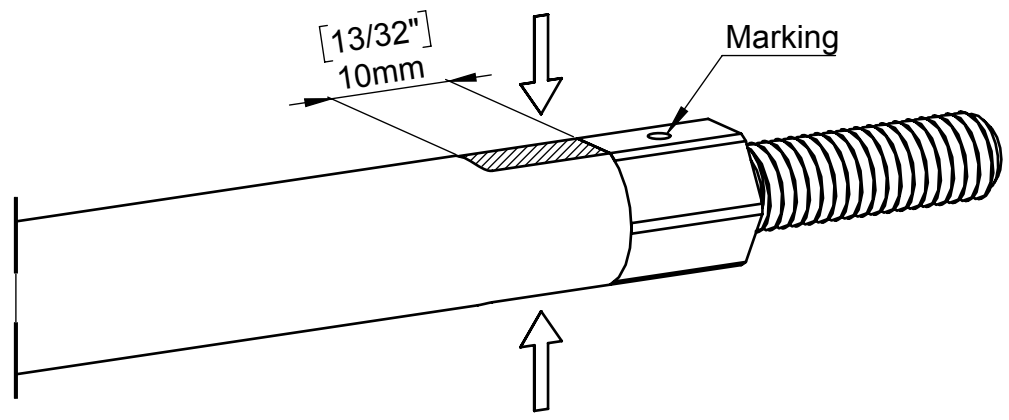
Step 1. Cut the transmission rod to length.
Refer to TRANSMISSION ROD LENGTH FORMULA section.



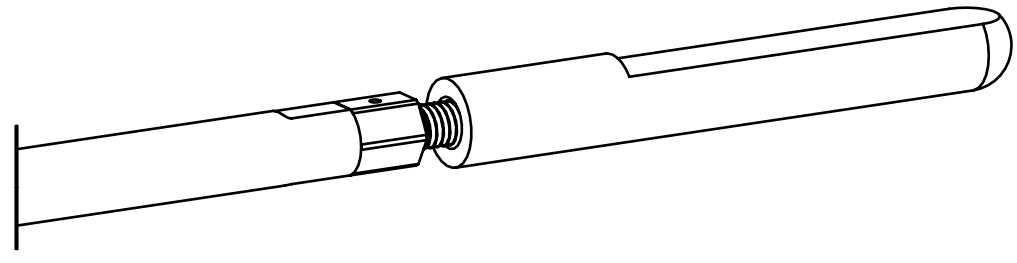
Step 2. Fit the bolt adaptor.
- Clamp the transmission rod so it doesn't rotate.
- Insert the adaptor into power drill and hold firmly - drill with 13mm or 1/2" chuck is recommended.
- Apply thread cutting fluid or WD40 to adaptor.
- Set the drill to low speed and high torque.
- Align the drill with transmission rod and drive adaptor into it until the adaptor bottoms out on its shoulder.



Step 3. Secure the bolt adaptor.
- Use a hammer to dent the tube to prevent the adaptor from rotating. Hit in line with the marking.
- Do the same on the opposite side.



Step 4. Fit the bolt.
- Thread the bolt onto the adaptor.
- After lock installed, adjust the bolt in and out to suit the panel height - refer to **Bolt Adjustment Detail** section.



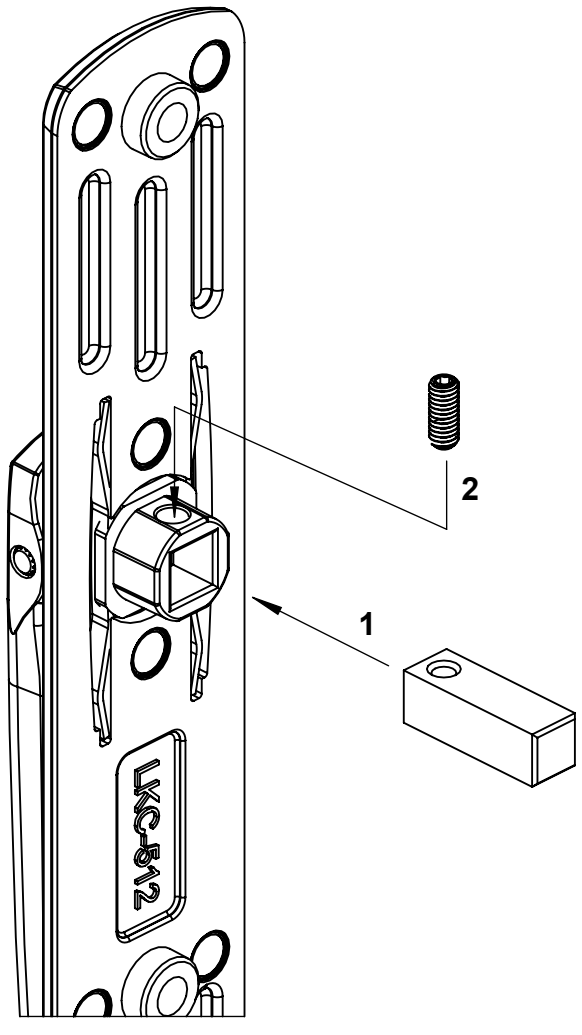
ASSEMBLE HANDLE

H02 Zinc handle shown. Same procedures apply for H03 SS handle.

Step 1: Insert the spindle into the square hole as shown.
Step 2: Thread the grub screw into the spindle until it bottoms out. Then unwind for half a turn or so to loosen the spindle. This will make the handle more flexible when fitting into the lock body.

Refer to TwinPoint Gen2 Handle technical document to select the spindle and mounting screws with the correct lengths or modify them if needed.

For double handles, always fit the spindle to the internal handle.



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