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Technical Manual

ITEM	DESCRIPTION	SECTION
Concealed Overhead Transom Closers		
TC-8800 Series	Closer Technical Information	1:01 - 1.09
TC-9900 Series	Universal Closer Technical Information	1:10 - 1:11
TC-8800/9600/9900 Series	Technical Support	1:12 - 1:14
Floor Springs		
FS-4000 Series	Floor Spring Technical Information	2:01 - 2.07
FS-6000 Series	Narrow Body Floor Spring Technical Information	2:08 - 2.11
FS-8500 Series	Compact Body Floor Spring Technical Information	2:12 - 2.13
FS- Series	Technical Support	2:14
Surface Closers		
FC-1000 Series	Universal Closer Technical Information	3:01 - 3.06
FC-1500 Series	Multi-Strength Closer Technical Information	3:07 - 3.17
Panic Exit Device		
PR-7085 Series	Concealed Rod Crash Bar Technical Information	4:01 - 4.08
PR-7085P Series	Concealed Rod Paddle Technical Information	4:09 - 4.14
PR-7095 Series	Rim Mounted Crash Bar Technical Information	4:15 - 4.20
PR-7095P Series	Rim Mounted Paddle Technical Information	4:21 - 4.25
PR-7100 Series	Concealed Rod Soft Touch Bar Technical Information	4:26 - 4.35
PR-7200 Series	Concealed Rod Full Width Soft Touch Bar Technical Information	4:36 - 4.39
PR-7300 Series	Rim Mounted Soft Touch Bar Technical Information	4:40 - 445
PR-7000 Series	Technical Support	4:46 - 4.47
Flush Bolt		
FB-6200 Series	Flush Bolt 23mm Wide Technical Information	5:01 - 5:02
FB-6300 Series	Flush Bolt 25mm Wide Technical Information	5:03
FB-6400 Series	Flush Bolt 20mm Wide Technical Information	5:04
FB-6500 Series	Flush Bolt Cylinder Operated Technical Information	5:05 - 5:06
Handles		
HD-80 Series	Aluminium Tube Technical Information	6:01 - 6:02
HD-90 Series	Aluminium Pad Technical Information	6:05
HD-92 Series	Aluminium Pad Technical Information	6:06
HD-91 Series	Stainless Steel Pull Technical Information	6:07 - 6:14
HD-48 Series	Stainless Steel Flush Pull Technical Information	6:15
HD-Series	Stainless Steel Handle Maintenance Information	6:16
Locks, Latches, Paddle and Lever Handles		
LK-1800 Series	Hook Lock Technical Information	7:01 - 7:06
LK-2100 Series	Dead Latch Technical Information	7:07 - 7:15
ES-2200 Series	Electric Strike Technical Information	7:16 - 7:18
PH-2100 Series	Paddle Handle Technical Information	7:19 - 7-20
LK-2100-75/76	Rim Cylinder and Thumb Turn	7:21
Letter Plates		
LP-500 Series	Letter Plates Technical Information	8:01 - 8:03

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	TITLE	SHEET No.
Axim	**CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	**1:01**
	SUB TITLE **TECHNICAL INFORMATION**	

DOOR LEAF WIDTH	CLOSER SIZE	CLOSING FORCE in Nm (kpm)	NO HOLD	HOLD OPEN 90°	HOLD OPEN 105°
			PRODUCT CODE		
Up to 750mm	1	20 (2.0)	8801-00	8801-90	8802-105
751 to 950mm	2	27 (2.7)	8802-00	8802-90	
951 to 1150mm	3	33 (3.3)	8803-00	8803-90	
SHIPPING WEIGHT 4:46KG					

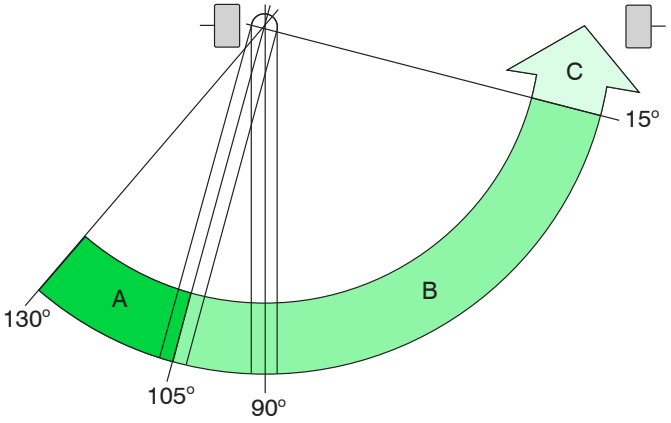
BODY UNIT AND FIXINGS	PRODUCT CODE
DUMMY BODY UNIT	TC-8800

SELECT SIZE SMALLER FOR INTERNAL DOORS.
SELECT SIZE LARGER FOR DOORS IN SEVERE CONDITIONS.
SPINDLE SIZES:
Standard size = 14mm O/A
Extended sizes = 5mm (19mm O/A), 10mm (24mm O/A), and 15mm (29mm O/A)

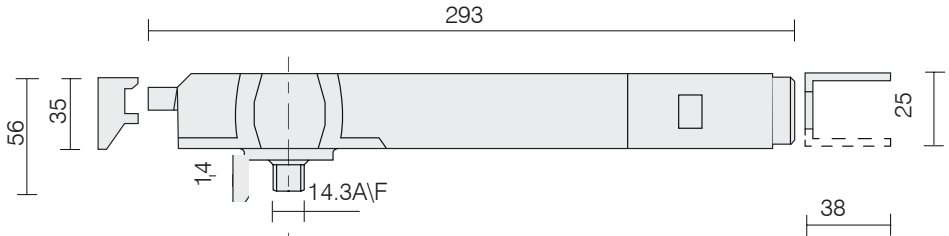
APPLICATIONS
Double or single action.
Centre hung offset pivot with special arm.
Side load and end fittings.
65mm pivot point & 70mm pivot point.

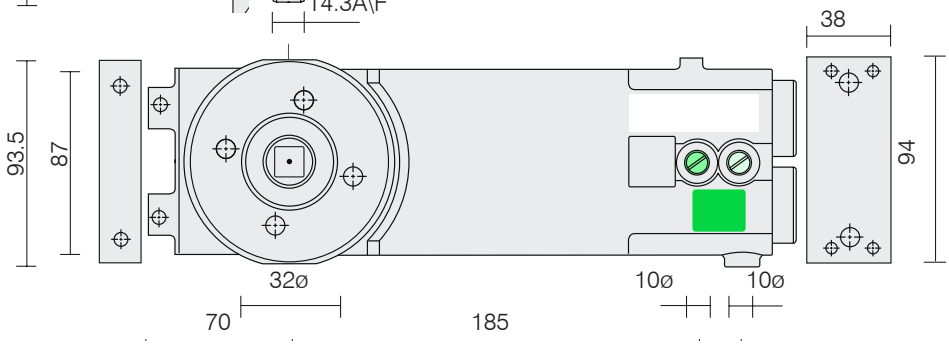
CLOSING ADJUSTMENT

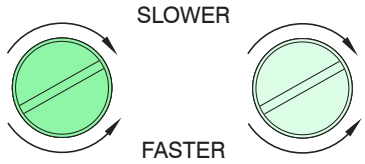
MAXIMUM DOOR LEAF 100Kgs



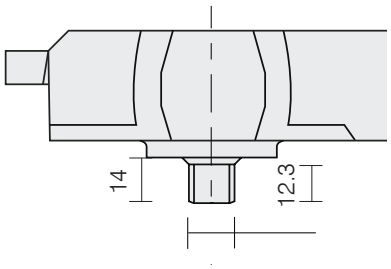
A	BACKCHECK
B	CLOSING RANGE
C	LATCHING RANGE







MAXIMUM TWO TURNS
IN EITHER DIRECTION



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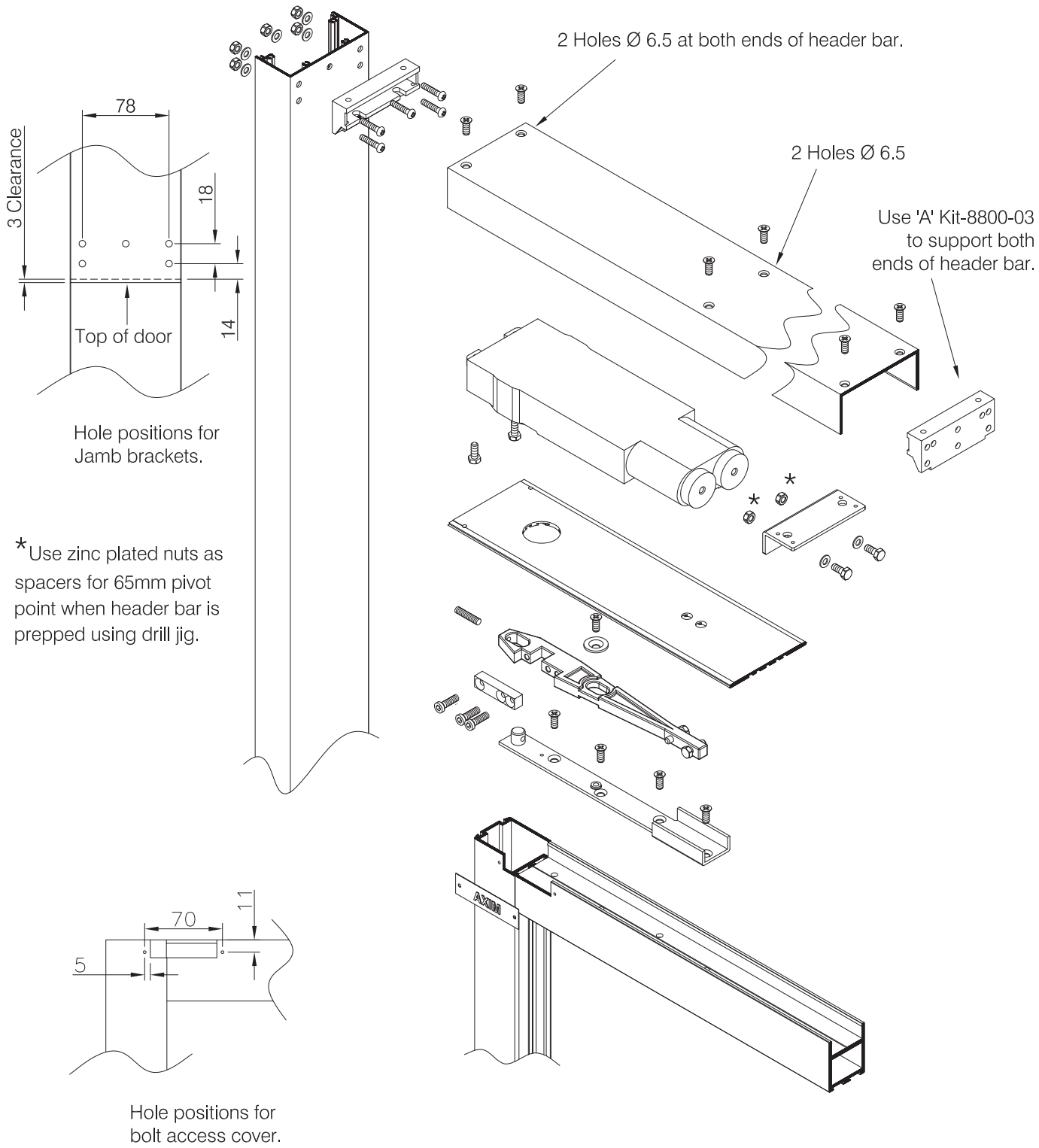
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DATE	APRIL 2025

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Axim	TITLE **CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	SHEET No. **1:02**
	SUB TITLE **ASSEMBLY DETAILS**	



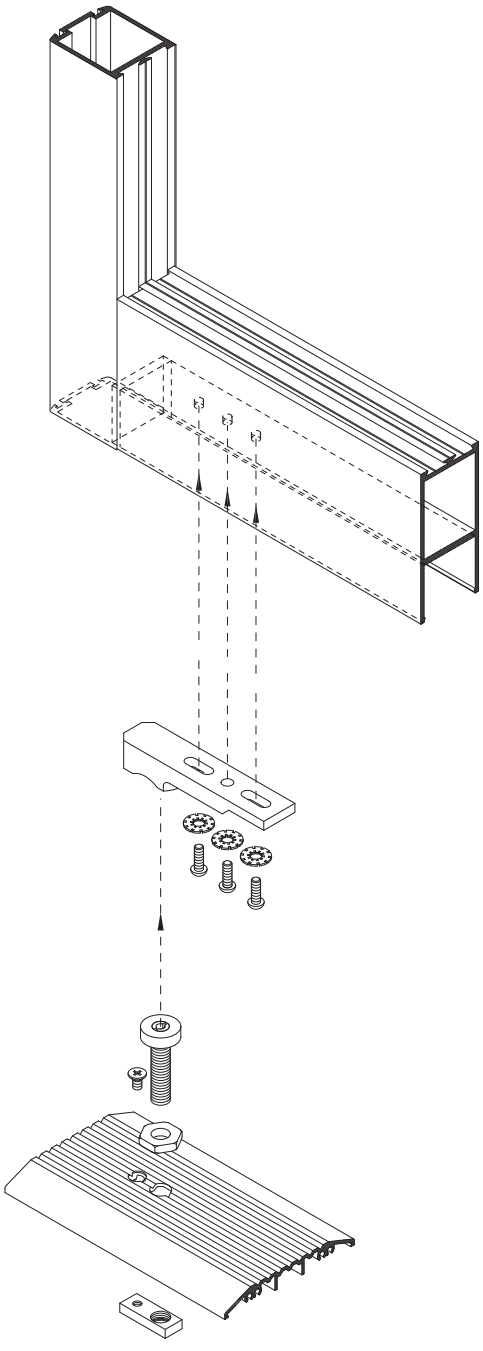
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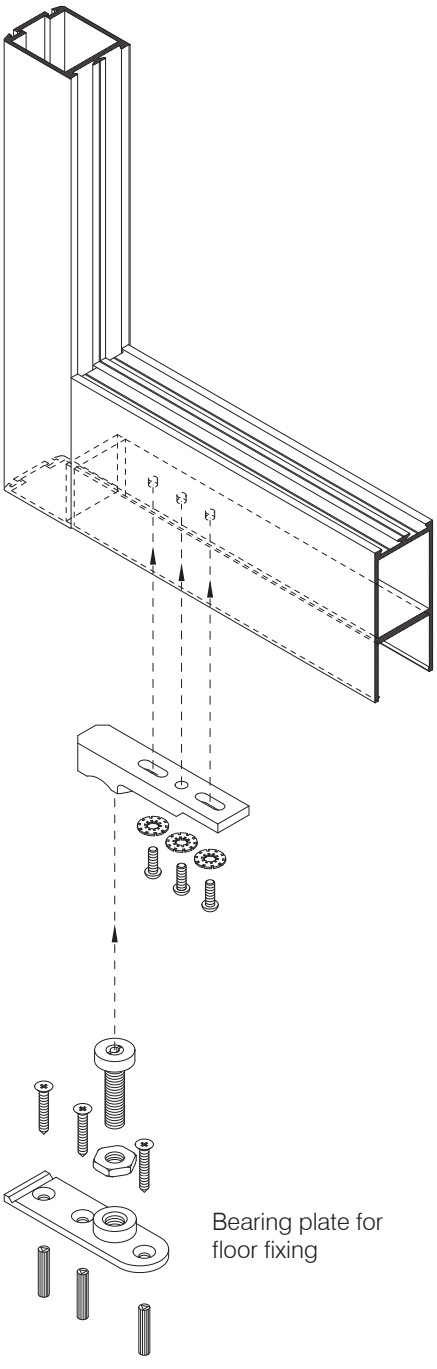
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Axim	TITLE **CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	SHEET No. **1:03**
	SUB TITLE **BOTTOM PIVOT ASSEMBLY**	





Bearing plate for floor fixing

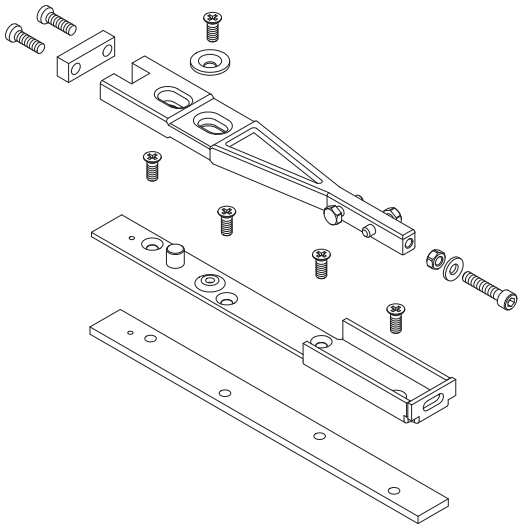
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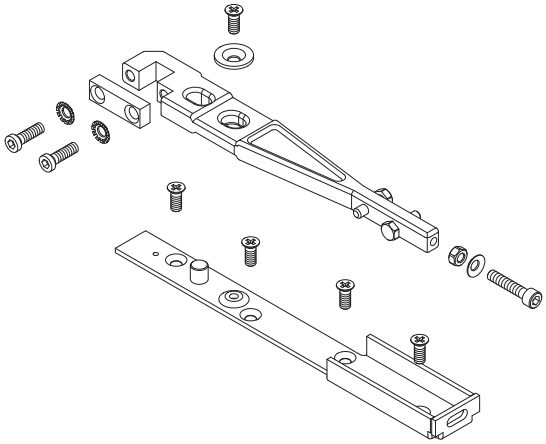
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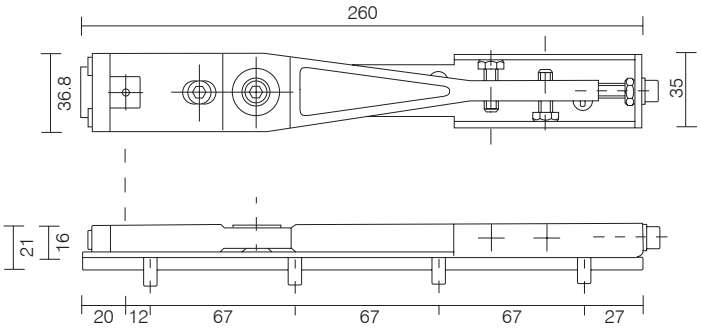
Axim	TITLE **CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	SHEET No. **1:04**
	SUB TITLE **TOP ARM & CHANNEL ASSEMBLIES**	

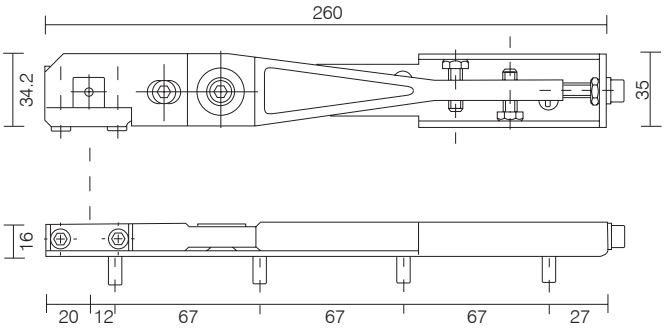


End load top arm & spacer bar TC-8800-15
For use on end loading and anti-finger trap doors.
When using standard door rails spacer bar is not required.



Std. top side load arm TC-8800-13
For use on side loading and anti-finger trap doors.





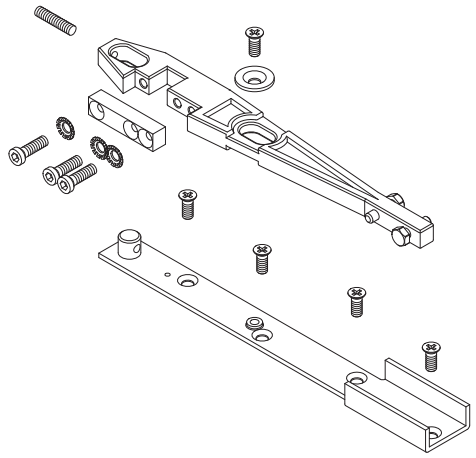
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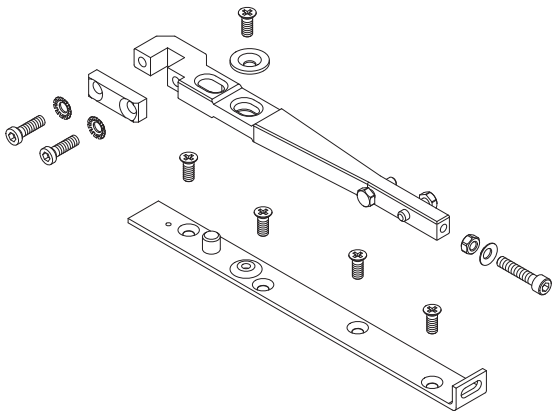
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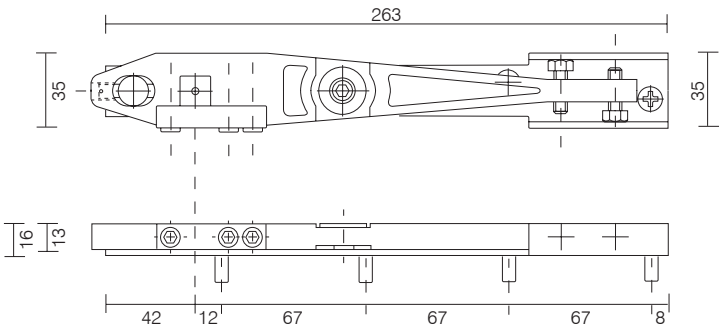
Axim	TITLE **CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	SHEET No. **1:05**
	SUB TITLE **TOP ARM & CHANNEL ASSEMBLIES**	

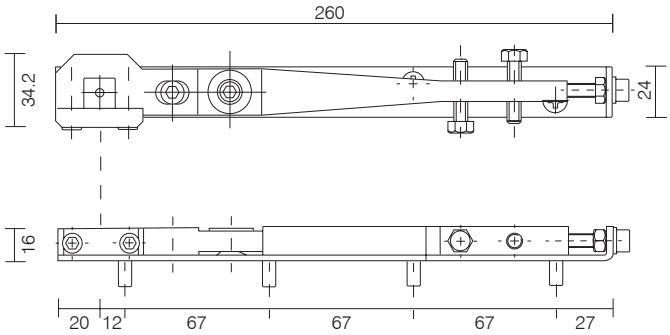


Top side load arm TC-8800-T13
For use on side loading doors.
(Arm supplied with standard transom closer kit)



Universal arm TC-8800-01
For use on side loading and armour glass doors





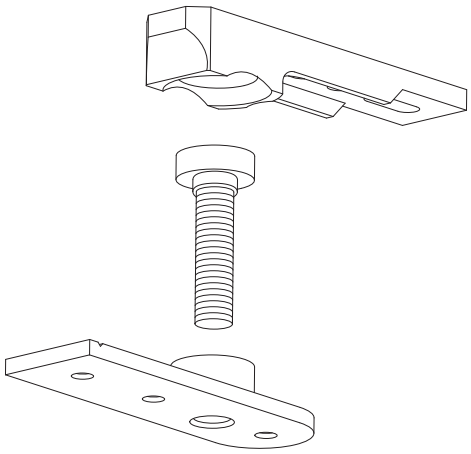
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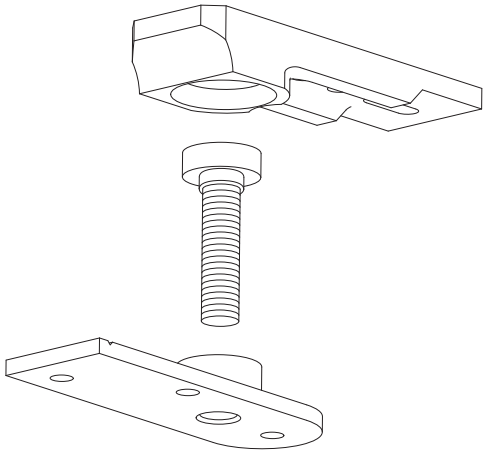
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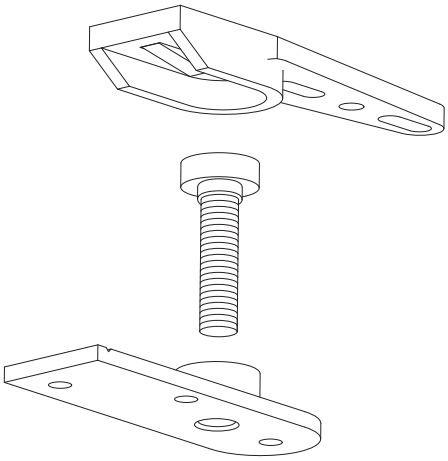
Axim	TITLE **CONCEALED OVERHEAD TC-8800 SERIES TRANSOM CLOSER**	SHEET No. **1:06**
	SUB TITLE **BOTTOM PIVOT ASSEMBLIES**	



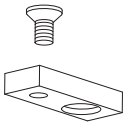
Std bottom pivot assembly
TC-8800-02



Heavy duty bottom pivot assembly
TC-9500-17. Used with anti finger-trap doors



End load bottom pivot assembly
TC-8800-14



Alternative bottom bearing plate for use with thresholds supplied as standard with all bottom pivot assemblies

Maximum Door Leaf Weight 100 Kg

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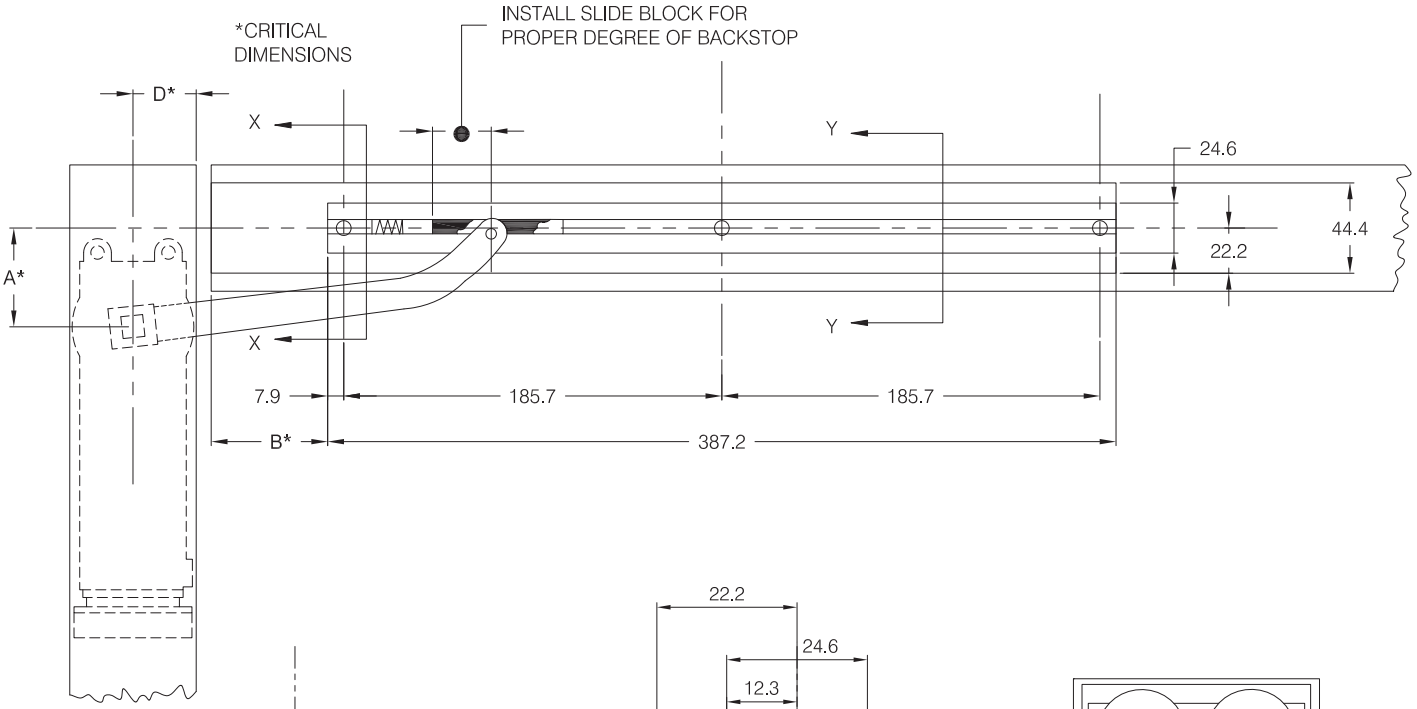
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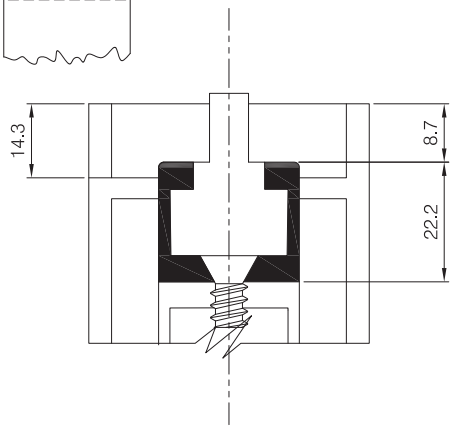
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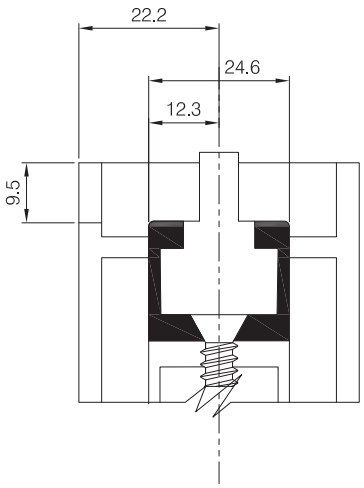
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Axim	TITLE **CONCEALED OVERHEAD TC-8800-18 SERIES TRANSOM CLOSER**	SHEET No. **1:08**
	SUB TITLE **OFFSET TOP ARM ASSEMBLY TC-8800-18**	

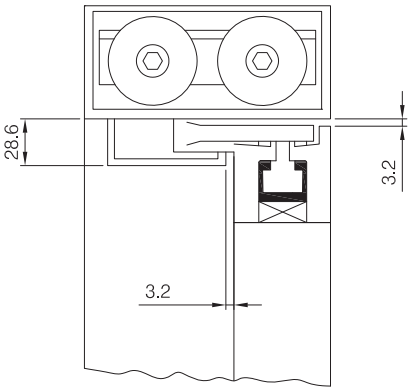




SECTION XX
ALUMINIUM FRAME DOOR



SECTION YY



END VIEW - DOOR CLOSED

DETERMINE HOW DOOR IS HUNG AND DEGREE OF CLOSER BACKSTOP AND USE APPLICABLE CHART

HEADER PREPARATION:

1. DIMENSION 'A', face of jamb to centre line of spindle must be maintained.
2. DIMENSION 'D', pivot of hinge side of header to centre line of spindle must be maintained regardless of header width.
3. All spacers and/or anchors other than standard 'F' clip package by others.

DOOR PREPARATION:

1. Rout out top rail as shown, for side channel spacers as required by manufacturer.
2. Rout inside face of top rail as shown for arm.
3. Offset pivots or butts by others.

STANDARD BUTT HINGE DOOR
MINIMUM 101.6mm HEADER

Backstop	A (mm)	B (mm)	C (mm)	D (mm)
105°	95.25	98.4	66.7	50.8
90°	73	103.2	44.5	50.8

19.1mm OFFSET PIVOTED DOOR
FLUSH DOOR
MINIMUM 101.6mm HEADER

Backstop	A (mm)	B (mm)	C (mm)	D (mm)
105°	114.3	119.1	85.7	50.8
90°	95.25	125.4	60.3	50.8

15.9 mm OFFSET PIVOTED DOOR
3.2mm RECESSED DOOR
MINIMUM 114.3mm HEADER

Backstop	A (mm)	B (mm)	C (mm)	D (mm)
105°	114.3	119.1	85.7	54.0
90°	95.25	125.4	60.3	54.0

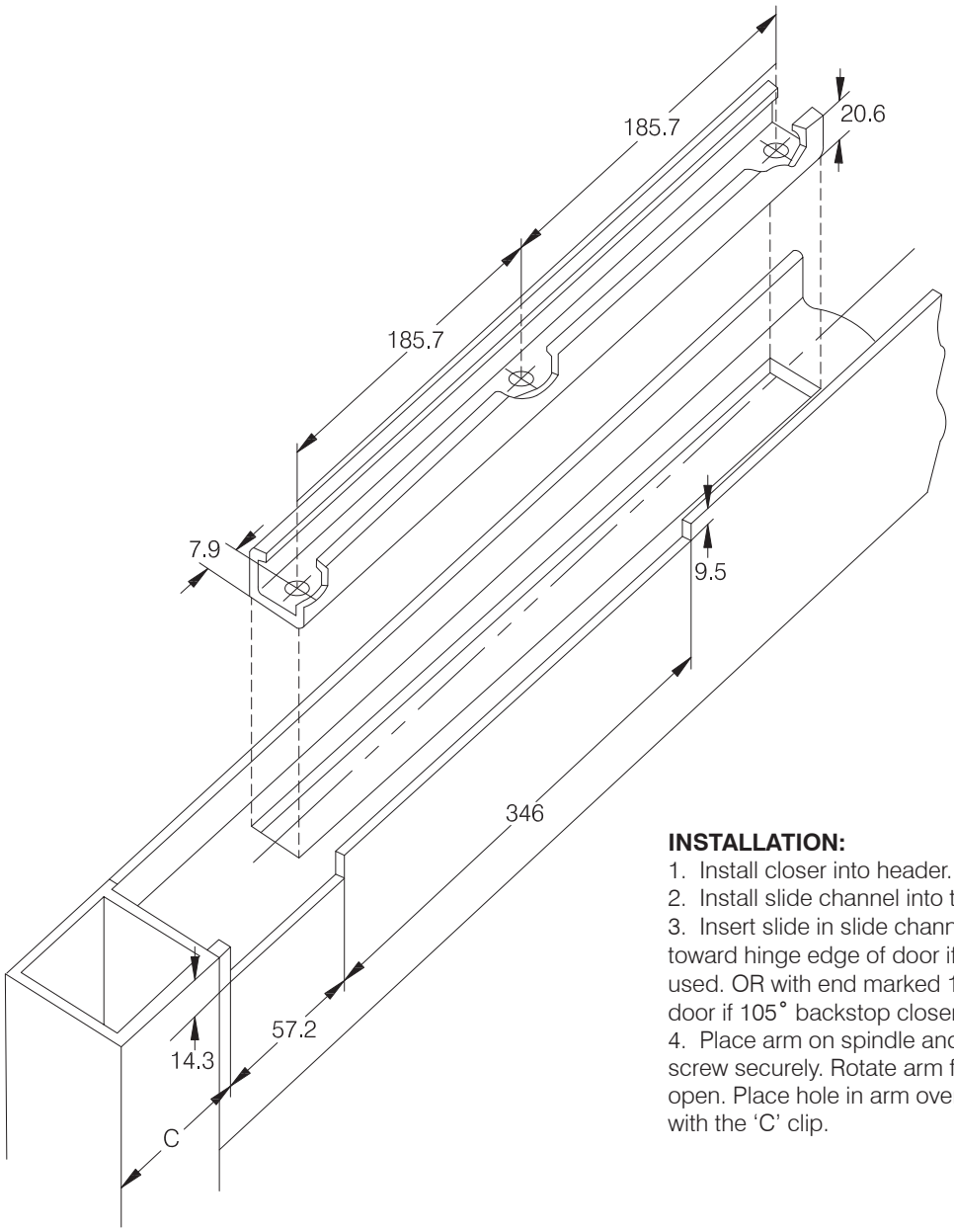
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Axim	TITLE **CONCEALED OVERHEAD TC-8800-18 SERIES TRANSOM CLOSER**	SHEET No. **1:09**
	SUB TITLE **OFFSET TOP ARM ASSEMBLY TC-8800-18**	



INSTALLATION:

1. Install closer into header.
2. Install slide channel into top rail.
3. Insert slide in slide channel with end marked 90˚ toward hinge edge of door if 90˚ backstop closer is used. OR with end marked 105˚ toward hinge edge of door if 105˚ backstop closer is used.
4. Place arm on spindle and tighten $^{1}/_{4}$-20 socket head screw securely. Rotate arm from centre as if door were open. Place hole in arm over pin in the slide and secure with the 'C' clip.

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Axim	TITLE **UNIVERSAL CONCEALED OVERHEAD TC-9900 SERIES TRANSOM CLOSER**	SHEET No. **1:10**
	SUB TITLE **TECHNICAL INFORMATION**	

The Axim 9900 series door closer has been developed to provide the market with a truly universal door closer. This closer will offer the answer for new installations and for door maintenance where other leading transom closers have failed and a replacement closer is necessary.

MODEL SELECTION TABLE

DOOR LEAF WIDTH	CLOSER SIZE	CLOSING FORCE in Nm	NO HOLD	HOLD OPEN 90°
			PRODUCT CODE	
Up to 750mm	1	20	9901-00	9901-90
751 to 950mm	2	27	9902-00	9902-90
951 to 1150mm	3	33	9903-00	9903-90
SHIPPING WEIGHT 4.5 kgs				

SELECT A SIZE SMALLER FOR INTERNAL DOORS
SELECT SIZE LARGER FOR DOORS IN SEVERE CONDITIONS

BODY UNIT AND FIXINGS	PRODUCT CODE
DUMMY BODY UNIT	TC-9900

APPLICATIONS
Double or single action.
Centre hung or offset pivot with special arm.
Side load and end load fittings.
70mm pivot point

REPLACEMENTS
Will replace Axim 8800 series, Dorma, Peters Jackson, Newman, Tonks, Ryobi and other leading transom closers without costly modifications to door or frame.
Universal fittings included.

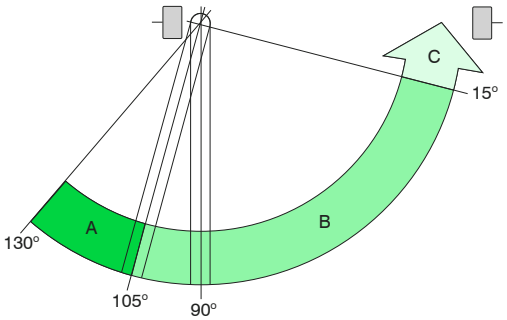
TECHNICAL INFORMATION
Independent, fully adjustable closing and latching speed controls with captivated screws preventing accidental removal.

3 power sizes, suitable for doors up to 1150mm wide and 100 Kgs. in weight.

Mechanical backcheck protects doors and closer when opening past 105˚.

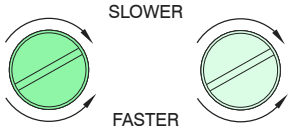
Fitting instructions are supplied with each body unit with a separate sheet covering replacement procedures.

CLOSING ADJUSTMENT



Independent valve screws permit closing speed adjustment from fully open to 15˚ and 15˚ to closed.

A	BACKCHECK
B	CLOSING RANGE
C	LATCHING RANGE

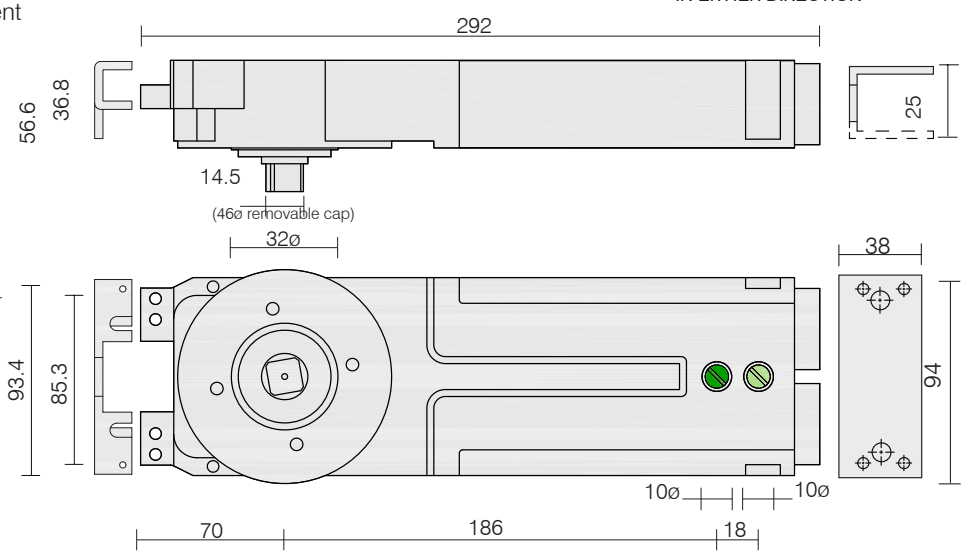


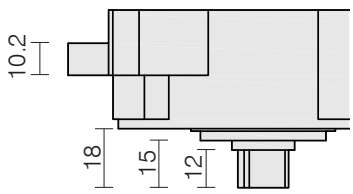
MAXIMUM TWO TURNS
IN EITHER DIRECTION

GUARANTEE

AXIM TRANSOM CLOSERS ARE GUARANTEED FOR 30 MONTHS FROM THE DATE OF MANUFACTURE AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED.

AXIM RESERVE THE RIGHT TO UPDATE THIS PRODUCT INFORMATION WITHOUT PRIOR NOTICE





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Axim	TITLE **UNIVERSAL CONCEALED OVERHEAD TC-9900 SERIES ADJUSTABLE TRANSOM CLOSER**	SHEET No. **1:11**
	SUB TITLE **TECHNICAL INFORMATION**	

The Axim 9900 series door closer has been developed to provide the market with a truly universal door closer. This closer will offer the answer for new installations and for door maintenance where other leading transom closers have failed and a replacement closer is necessary.

MODEL SELECTION TABLE

DOOR LEAF WIDTH	CLOSER SIZE	CLOSING FORCE in Nm	NO HOLD	HOLD OPEN 90°
			PRODUCT CODE	
750mm - 1150mm	1-4	9-37	9900-ADJ-00	9900-ADJ-90
SHIPPING WEIGHT 4.5 kgs				

SELECT A SIZE SMALLER FOR INTERNAL DOORS
SELECT SIZE LARGER FOR DOORS IN SEVERE CONDITIONS

APPLICATIONS
Double action.
Centre hung.
70mm pivot point.

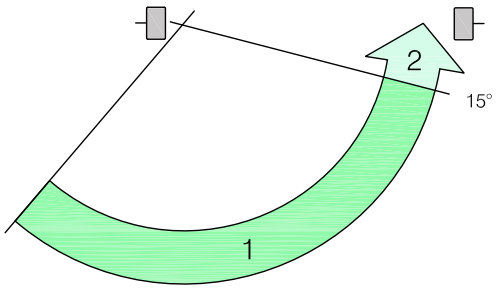
BODY UNIT AND FIXINGS	PRODUCT CODE
DUMMY BODY UNIT	TC-9900
SAPCER BAR	TC-9900-03
CLOSER BRACKET SET	TC-9900-23

REPLACEMENTS
Will replace Axim 8800 series, most leading transom closers without costly modifications to door or frame.
Universal fittings included.

TECHNICAL INFORMATION
Independent, fully adjustable closing and latching speed controls with captivated screws preventing accidental removal.
4 power sizes, suitable for doors up to 1150mm wide and 100 Kgs. in weight.

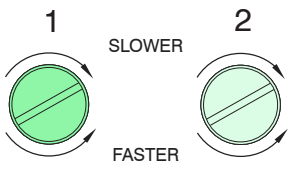
Fitting instructions are supplied with each body unit with a separate sheet covering replacement procedures.

CLOSING ADJUSTMENT



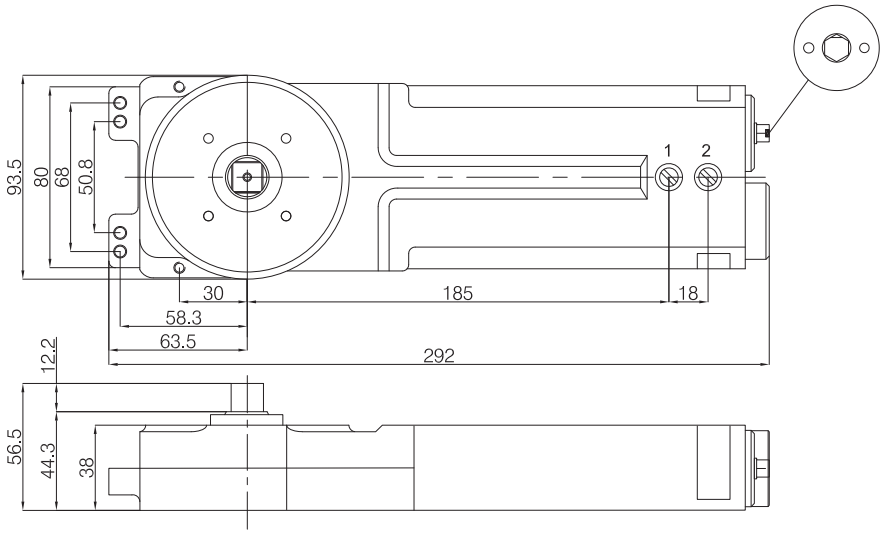
Independent valve screws permit closing speed adjustment from fully open to 15° and 15° to closed.

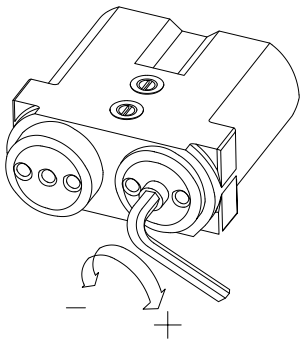
1	CLOSING RANGE
2	LATCHING RANGE



MAXIMUM TWO TURNS
IN EITHER DIRECTION

	CLOSER SIZE			
	1	2	3	4
NUMBER OF TURNS	+0	+2~+4	+5~+7	+8





NOTE: Use 4mm Allen key supplied by others

GUARANTEE

AXIM TRANSOM CLOSERS ARE GUARANTEED FOR 30 MONTHS FROM THE DATE OF MANUFACTURE AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED.

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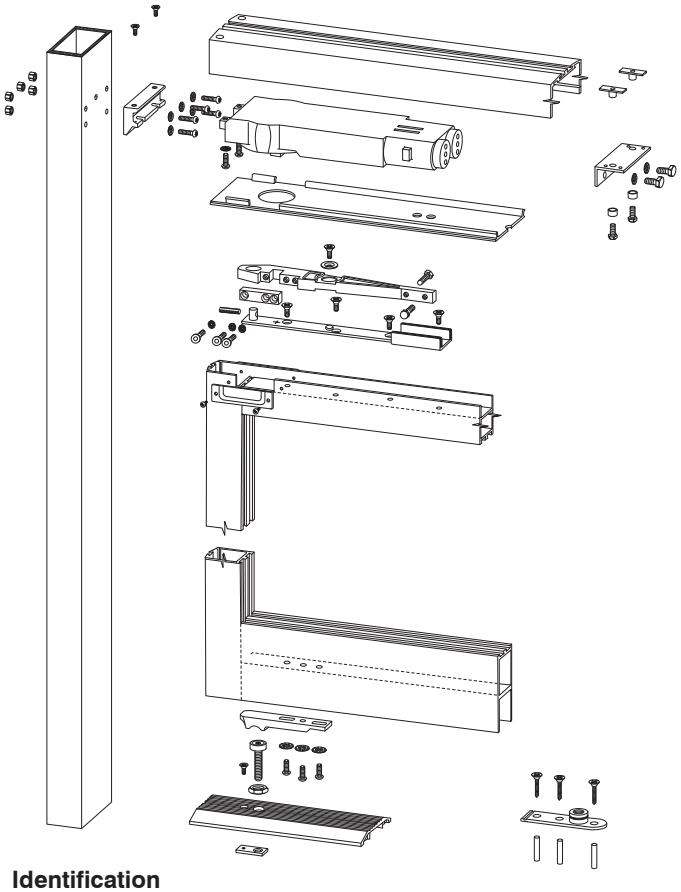
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Introduction

Axim door closers and accessories are guaranteed for a period of 30 months from the date of manufacture against defect in material and workmanship. The guarantee is void if the product has been incorrectly installed or damaged in use. The following notes on maintenance should ensure the closer will operate trouble free for many years.



Identification

Stamping on the end of the spindle should read N.H.O or H.O.90 referring to the retention option. A number on the circular cover cap relates to spring power size & type:

25 = SIZE 1 NO HOLD	TC8801-00, TC9901-00
26 = SIZE 1 HOLD OPEN	TC-8801-90, TC9901-90
35 = SIZE 2 NO HOLD	TC-8802-00, TC9902-00
36 = SIZE 2 HOLD OPEN	TC-8802-90, TC9902-90
45 = SIZE 3 NO HOLD	TC-8803-00, T TC9903-90
46 = SIZE 3 HOLD OPEN	TC-8803-90, TC9903-90

Date Stamp

A date stamp on the closer body, for example: 35-18 = Week 35, 2018 this will determine if the closer is within the warranty period. If the closer is faulty and still under guarantee please contact your supplier before undertaking any further work.

The set of door controls comprises three main items. Firstly, a sealed unit 'the closer body' which is fitted inside the transom bar above the door and concealed with a removable cover plate. Secondly, a steel drive arm with a steel fixing channel fitted inside the top rail of the door 'the drive arm' which may be side or end loading. Finally the door is supported by a 'bottom pivot assembly'. This consists of a shoe fitted to the underside of the door and a pivot bolt, either fitted to a floor-fixed plate or directly fixed to an aluminium threshold.

Closer body

Broadly speaking there are six different closer options with the same external appearance. Closers are fitted with different size internal springs to give light, medium or heavy closing forces. Depending on varying factors such as weather conditions and width and height of the door the correct strength closer should be selected. Closers are also specified 'retention' or 'non-retention'. The former, sometimes referred to as hold-open, hold the door open at 90 degrees whilst the latter, sometimes named no hold-open, will return the door to a closed position regardless of the angle at which it is released. It is important not to wedge the door open as the wedge or stop will oppose the door closer and in time will twist the door.

It is important to realise closers can not be altered in the field and if necessary the closer would require exchanging for an alternative option.

Doors using this type of door closer are generally centre hung and double acting, i.e the door will open in and out unless prevented from doing so by an applied stop. Door closers will open to 130°. Door stops should be fitted to prevent the door striking the jamb or opening past this angle, as damage could occur to the door, frame, and/or closer.

Removing the door

Should it be necessary to change the door closer, this is not a difficult job and should take no more than an hour. Tools required:- Small and medium sized pozi head screwdrivers, 4mm and 5mm allen keys and a 10mm open-ended spanner.

Remove the name plate from the internal face of the door to expose the clamp block and fixings. Using an allen key remove the socket head bolts and special lock washers and put to one side. With someone to steady the door from outside, push the door away from the closer spindle, the door may require tapping gently with a soft faced mallet. Once the door is released from the spindle the door can be lifted off the bottom pivot.

Stack the door in a safe place. Remove the M4 screws from the cover plate and prise the cover plate free. The closer body is now visible and reference marks should be noted.

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Changing the closer unit
With a screwdriver loosen the two round head pozi screws connecting the closer to the jamb bracket.

Support the closer and remove the two hexagon head bolts and washers. The closer can now be lowered and removed. Take care not to drop it, the closer weighs 4 Kgs. (8.8lbs.)

Whilst the closer is removed check the fixings in the jamb bracket and tighten securely if loose. Check the steel angle bracket is secure within the header bar. Examine the pivot bearing in the threshold or floor plate, the bearing should be able to rotate freely and the 1/2" bolt should be secure.

To replace the closer reverse the removal procedure and ensure the clamp block screws and lock washers are very tight.
If door adjustment is required refer to the section ALIGNMENT.

Fault diagnosis
The following notes should enable a competent maintenance manager to rectify any problems that might occur. If in any doubt please contact the manufacturer as the wrong action could invalidate the warranty.

1) The door does not centre firmly but swings freely perhaps for a centimetre either side of the closer position. This is usually due to the clamp block not being fully tightened.
Remove the small aluminium name plate from the door to expose the clamp block and screws. With an allen key wind in the two or three screws,depending on the arm type, very tightly. Refit the name plate.

2) The door does not centre firmly as in item 1) and has even more free play.
It is possible the clamp block has been too loose for too long and the closer spindle has worn if this is the case carry out the remedy as in item 1). If the problem persists the closer and/or top drive arm in the door will need replacing. Note this is not a fault of the closer or accessories but is due to indifferent installation.

3) The door comes to rest firmly but is up to 25mm off centre.
Procure a step ladder, or other means, enabling you to look down on to the top rail of the door. Loosen the hold-down, countersunk screw, securing the top arm, with an allen key. Adjust the hexagon bolts against the sides of the steel channel until the door centres in the correct position. Tighten the hold-down screw and check other fixings.

4) The door drags on the floor/threshold or rubs on the underside of the transom.
Procure a step ladder, or other means, enabling you to look down on to the top rail of the door. Loosen the hold-down, countersunk screw, securing the top arm, with an allen key and loosen off the hexagon bolts slightly.

a) Standard top arm type:
With the door open use a flat bladed screwdriver to turn the screw clockwise, lifting the door or anticlockwise lowering the door.

b) End load arm or special side loading:
Loosen the locknut against the upstand of the channel and turn the socket head screw with an allen key, clockwise, lifting the door or anticlockwise lowering the door. Tighten the hold-down screw and check other fixings.

5) The door moves loosely off centre apparently out of control.
The closer has been forced and strained for some reason and the internal parts have been damaged. The closer will need replacing.

6) Oil leaking.
Before despatch each closer is subjected to stringent tests to ensure against leaking. If oil appears to be leaking from the closer try to pin point the source. If leaking from around the spindle the seal may be damaged. If leaking from around one of the valve screws the same could apply. Providing the closer is within the warranty period and has not been subjected to misuse it will be replaced.

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Six monthly maintenance

Detach the door as previously described, remove the coverplate and expose the closer. Tighten all fixing screws and bolts. Inspect the floor bearing and wipe away any debris, check the bearing rotates freely and the bolt is secured firmly in the plate or threshold. Lubricate with grease if necessary. Tighten all fixings, including the three screws to the bottom rail of the door securing the pivot shoe. Replace the coverplate and remount the door. Tighten all the top arm fixings, particularly the clamp block screws and centre locking screw. Replace the name plate and clean down the door as per finishers recommendations.

Closing speed adjustment

Providing the closing and final latching speeds of the door closer have been correctly set on installation it should not be necessary to readjust at a later date. However, after the door closer has completed a short settling in period, minor adjustments may be required. It should be noted that inexperienced tampering with the valve screws would cause irreparable damage. The following notes will enable the operator to make simple adjustments – if in any doubt please seek advise from the manufacturer.

It is important to realise that the two valve screws will adjust the closing and latching speeds of the door closer, they will not adjust the closing or opening forces in any way. It is very likely the door closer will require only very minor adjustment, perhaps only one half turn of the valve screw. After any adjustment the door closing speed should be checked twice, by opening the door fully and allowing it to close, before proceeding.

Care must be taken not to unscrew the valve head beyond the level of the closer body when increasing the closing speed. Turning the valve past this limit will allow oil to escape and the closer will need to be replaced. On the other hand if the valve is turned clockwise, decreasing the closing speed, adjustment must cease when resistance is felt as will be damaged along with the oil seal if excessive force is used.

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Axim	TITLE **VERSATILE FLOOR SPRING FS-4000 SERIES**	SHEET No. **2:01**
	SUB TITLE **TECHNICAL INFORMATION**	

UNIVERSAL APPLICATION
Suitable for left hand, right hand, single and double action doors.
No hold and 90° hold open options.
105° hold open available on special order.
Medium strength spring for 100kg doors up to 1200mm wide. Light spring for 100kg doors up to 914mm wide.

DOOR CONTROL
Two separate valve screws control the closing and latching speeds independently. The closing action starts with the door fully open and ends at 15° from the closed position. At this point the latching valve takes over, thus allowing the door to close at the desired speed.

BACKCHECK
130° backcheck prevents damage to doors in windy conditions or where the door swing is limited to 90°.

FULLY ADJUSTABLE
The FS4000 floor spring is positionally adjustable for height, width, length and diagonally within the zinc plated cement box.

SPINDLES
* Please specify the type of spindle required.
4000-NS model available without fitted spindle and will accept our range of spindle inserts.
Extended spindles available for varying height requirements.
Spindles stocked to suit a wide range of fittings from other manufacturers.

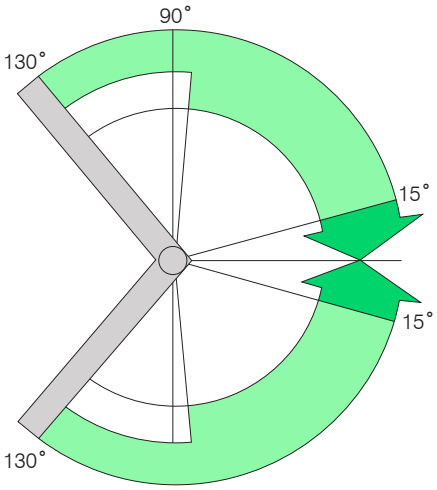
ACCESSORIES
Double action door straps, forged steel and zinc plated, for square or flat rectangular spindles.

Retractable top centre, die cast aluminium. Door part with adjustable bronze bearing complete with fixings.

Silver, Product Code FS-4000-0114.

COVER PLATES
160mm x 328mm cover plates Stainless steel:

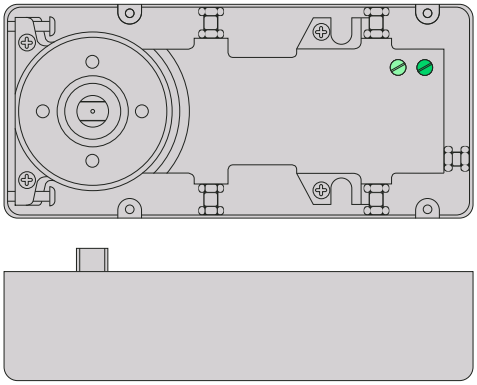
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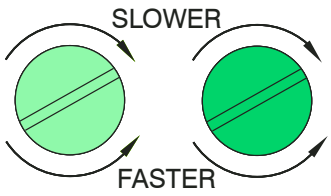


BACKCHECK

CLOSING RANGE

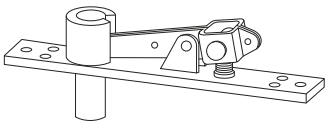
LATCHING RANGE





DOOR WIDTH in mm	SPRING STRENGTH	CLOSING FORCE in Nm (Kpm)	NO HOLD OPEN	HOLD OPEN 90°
			PRODUCT CODES	
915-1200 Up to 914	Medium Light	28 (2.8) 18 (1.8)	4002-00-NS 4001-00-NS	4002-90-NS 4001-90-NS

RETRACTABLE TOP CENTRE
FS-4000-0114 SVR



25mm x 165mm

GUARANTEE

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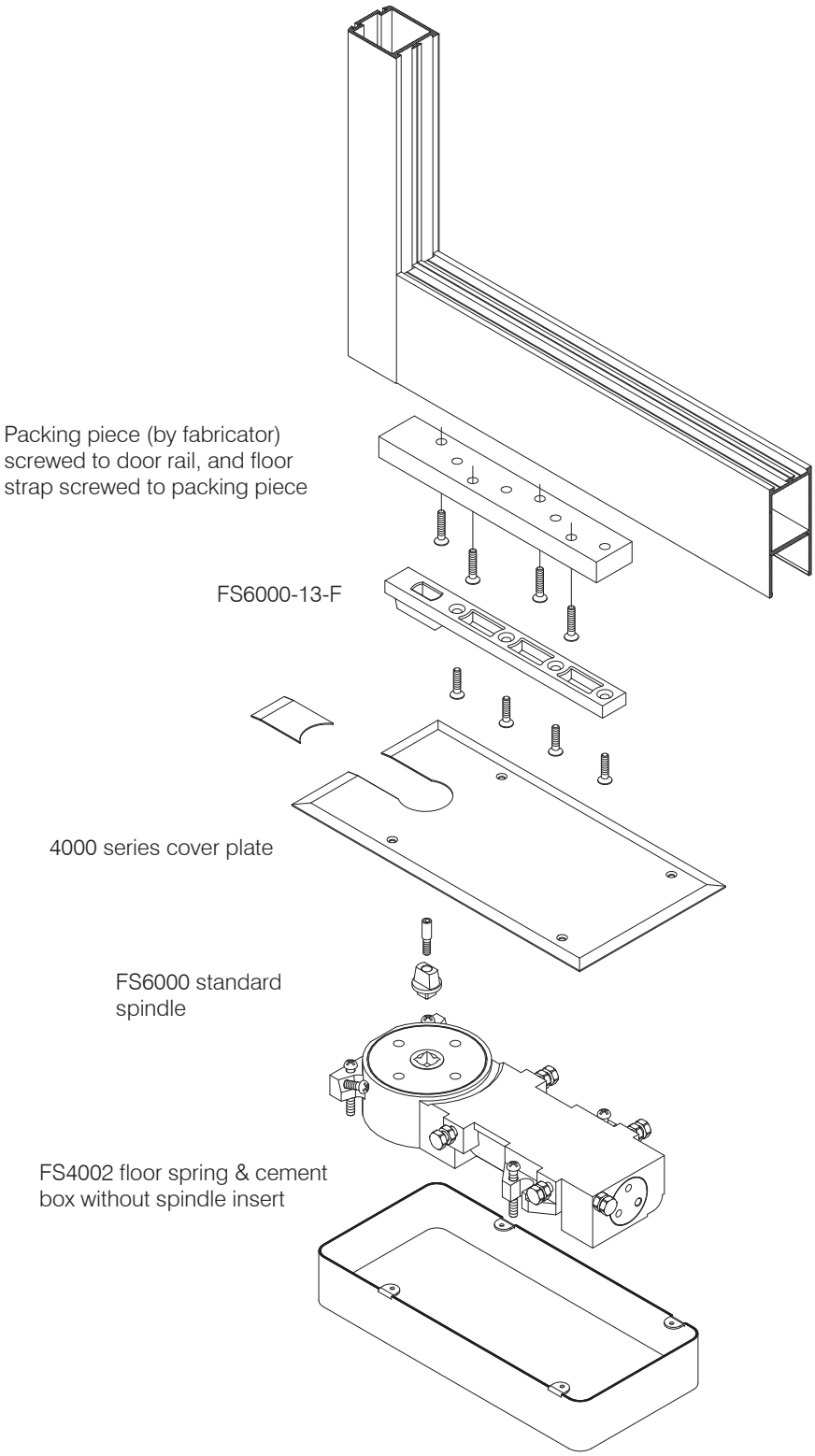
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Axim	TITLE **VERSATILE FLOOR SPRING FS-4000 SERIES**	SHEET No. **2:02**
	SUB TITLE **ASSEMBLY DETAILS**	



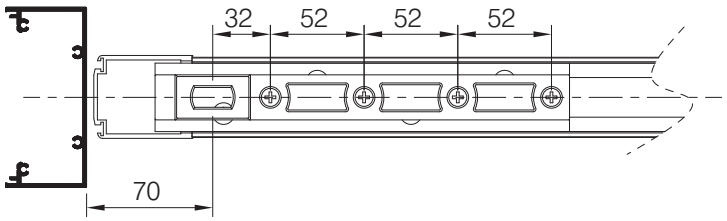
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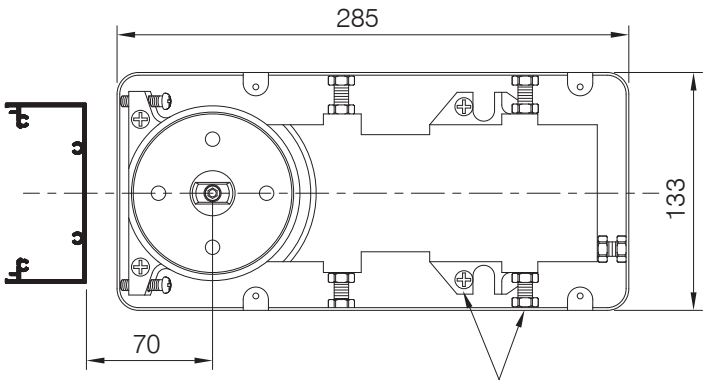
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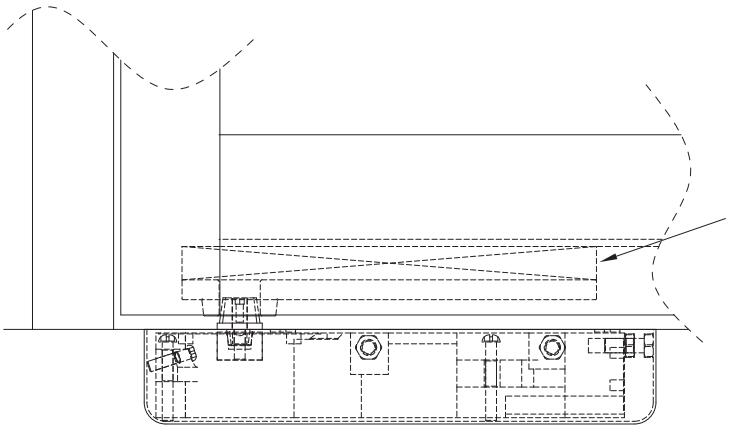
Axim	TITLE **VERSATILE FLOOR SPRING FS-4000 SERIES**	SHEET No. **2:03**
	SUB TITLE **FLOOR SPRING DIMENSIONS**	



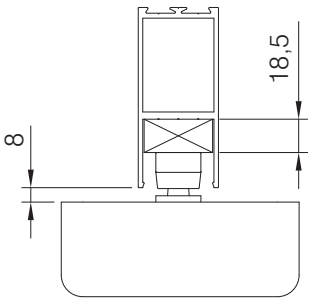
View on bottom of door

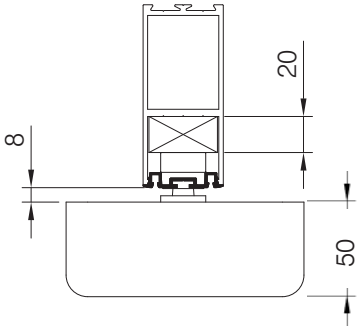


Set floor spring central in cement box before setting pivot point position



Set cement box level with finished floor level





Maintain 8mm clearance between bottom of door and finished floor level, when using woolpile carrier, by adjusting height of packing piece

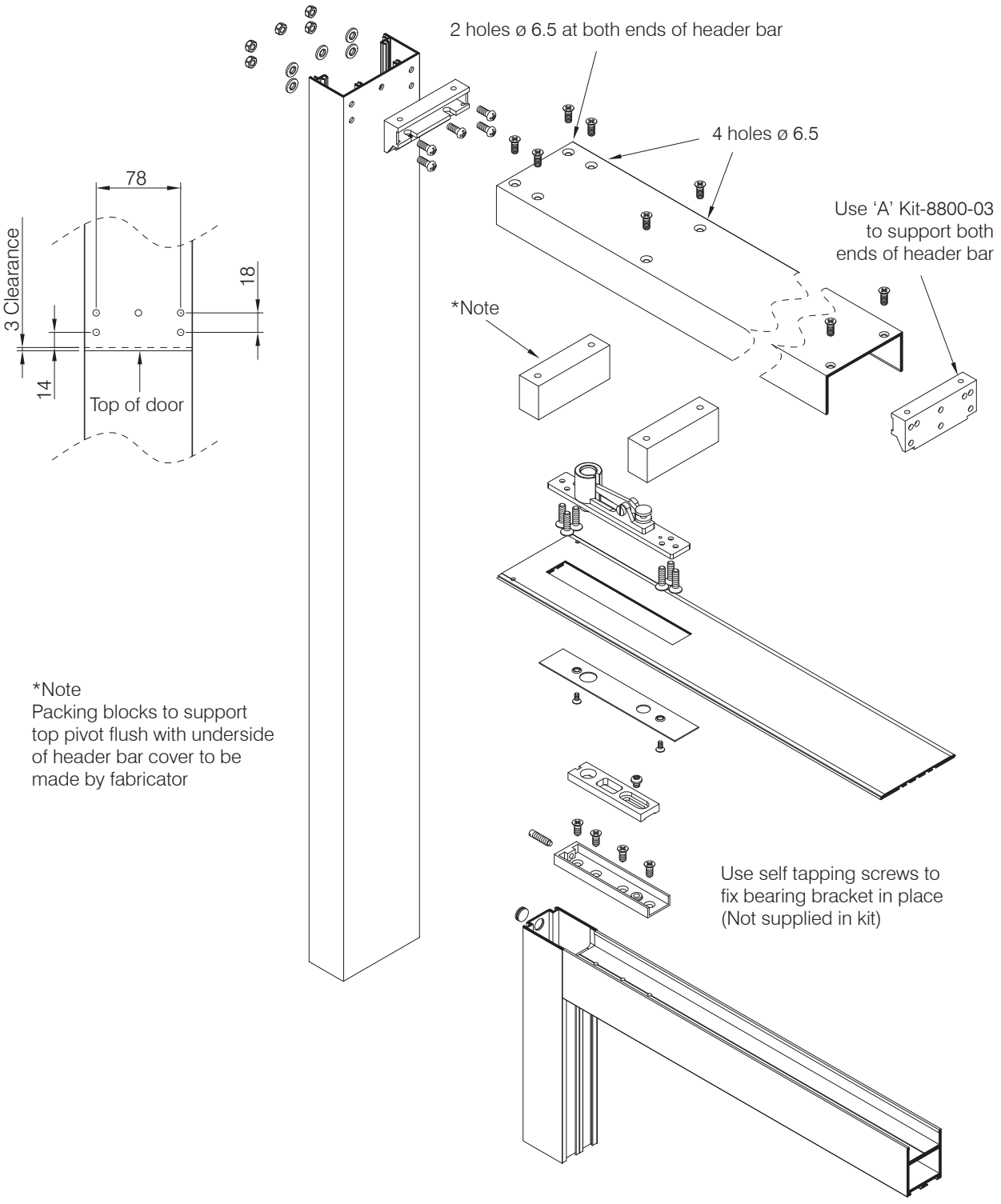
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Axim	TITLE **VERSATILE FLOOR SPRING FS-SERIES**	SHEET No. **2:04**
	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAILS FS-6000 - 0114 & FS-6000 - 0115**	



*Note
Packing blocks to support top pivot flush with underside of header bar cover to be made by fabricator

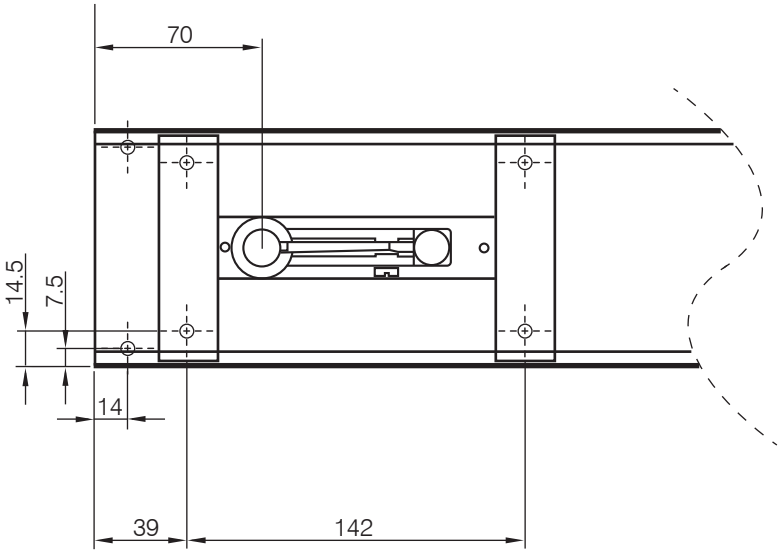
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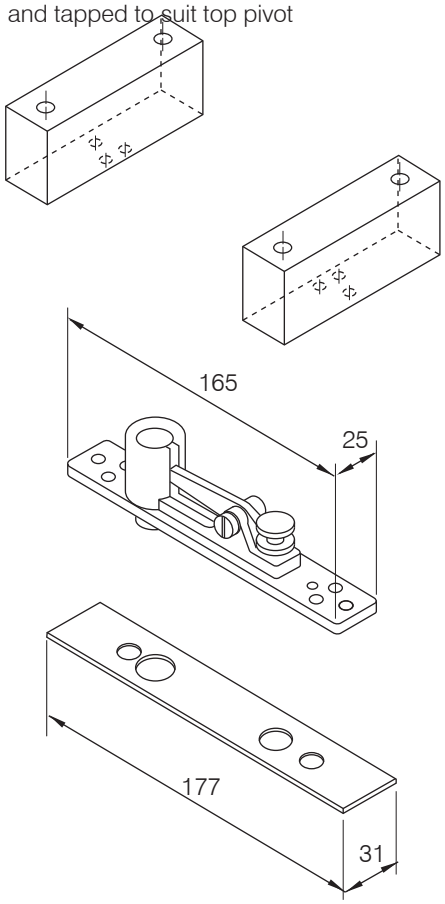
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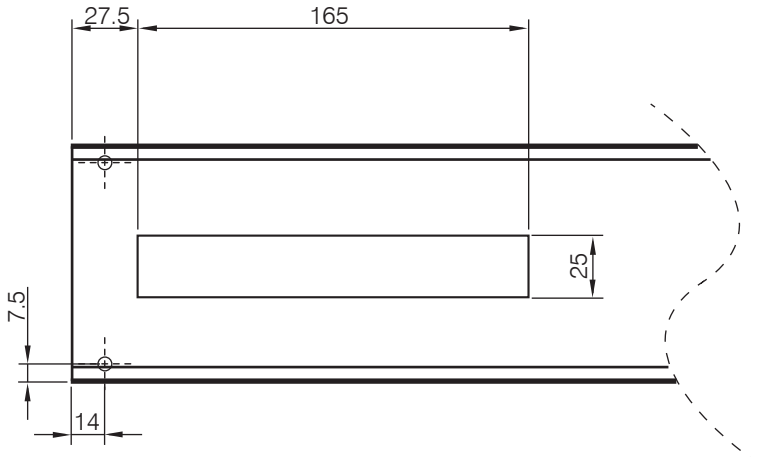
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Axim	TITLE **VERSATILE FLOOR SPRING FS-SERIES**	SHEET No. **2:05**
	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAIL FS-6000 - 0114**	



Blocks (by fabricator) drilled and tapped to suit top pivot





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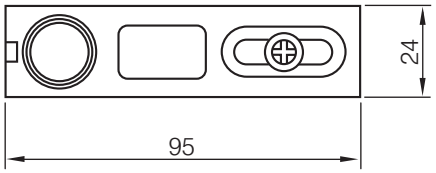
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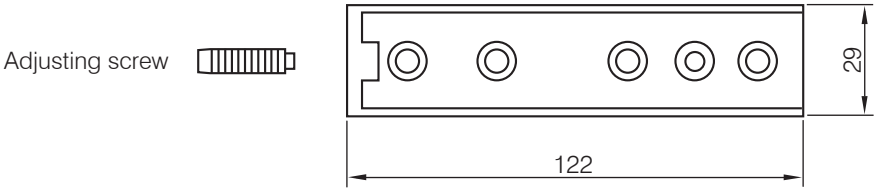
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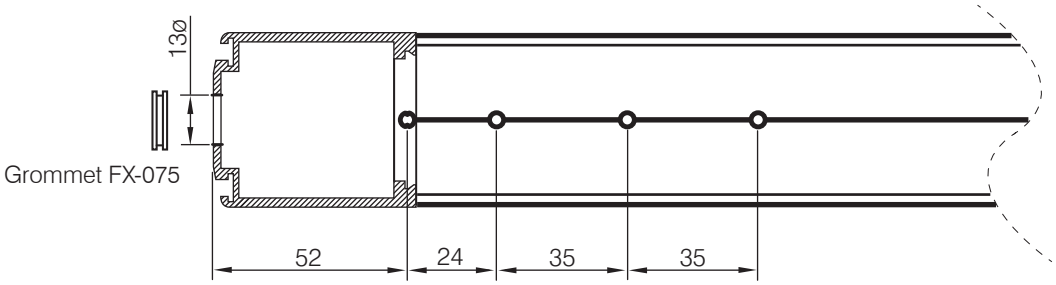
Axim	TITLE **VERSATILE FLOOR SPRING FS-SERIES**	SHEET No. **2:06**
	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAIL FS-6000 - 0115**	

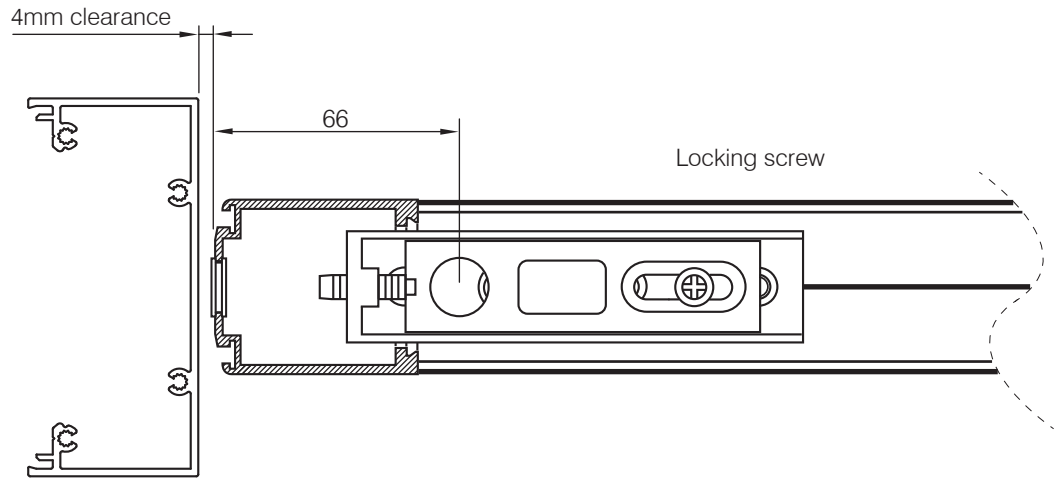
Note:
For anti finger trap doors with auto closers use AXIM TC8800 dummy transom closer with standard bottom pivot



AXIM FS-6000-0115







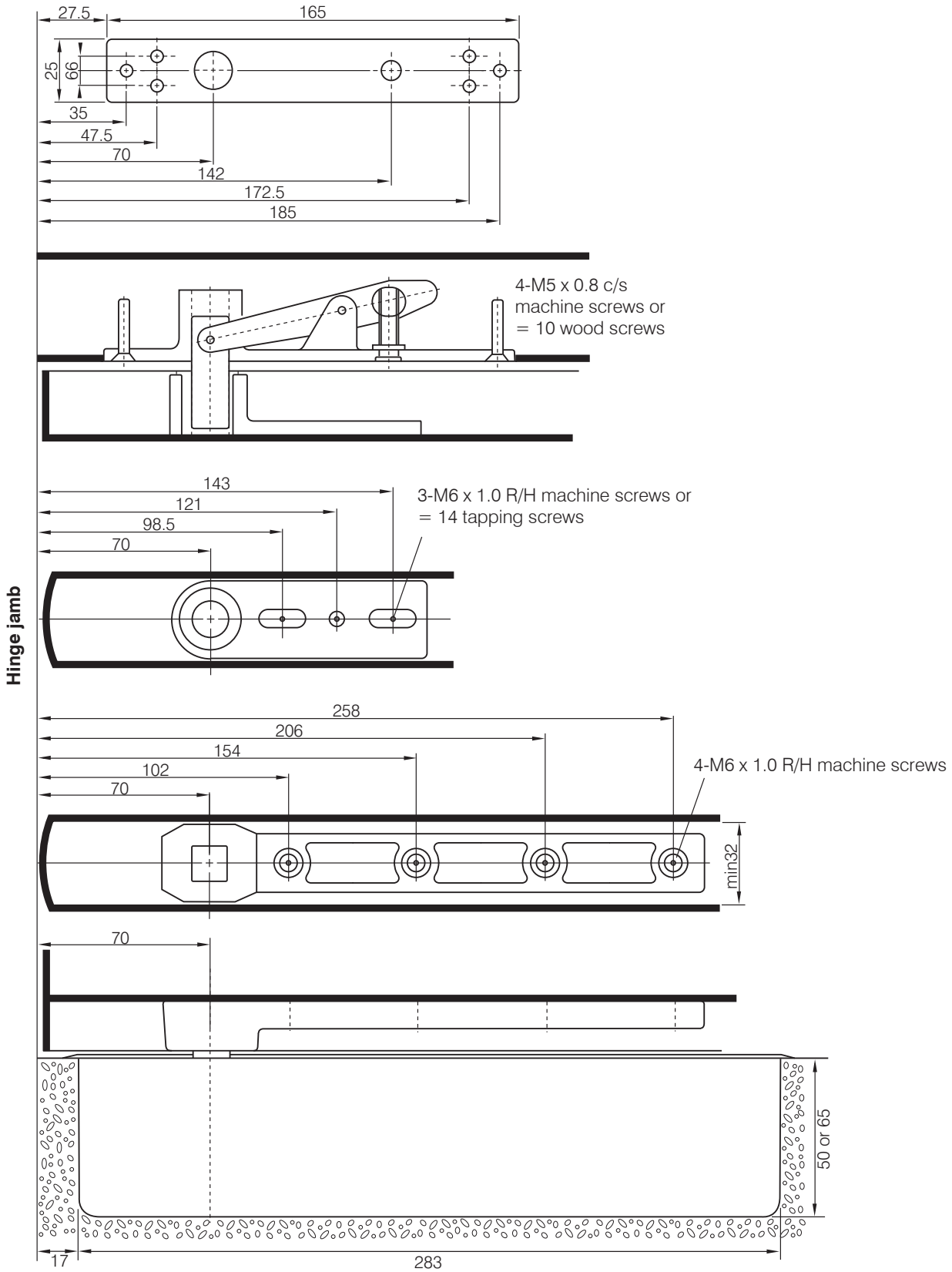
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	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAIL FS-4000 - 0114**	



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SCALE	NTS @A4
DATE	APRIL 2025

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Axim	TITLE **NARROW BODY FLOOR SPRING FS-6000 SERIES**	SHEET No. **2:08**
	SUB TITLE **TECHNICAL INFORMATION**	

UNIVERSAL APPLICATION
Left hand, right hand, single and double action doors.
Closing force 28 Nm for doors 150kg and up to 1200mm wide.
No hold and 90° hold open options.

FULLY HYDRAULIC CONTROL
Provided by two valve screws
Back check range 180°-70°
Closing Range 70°-15°
Latching Range 15°-0°

BACKCHECK ZONE
Prevents damage to outward opening doors or where door swing is limited to 90°.

ADJUSTMENT
With zinc plated cement box length 6mm, width 6mm, height 4mm.

SPINDLE INSERT EXTENSIONS
Up to 20mm, suitable for all types of doors.

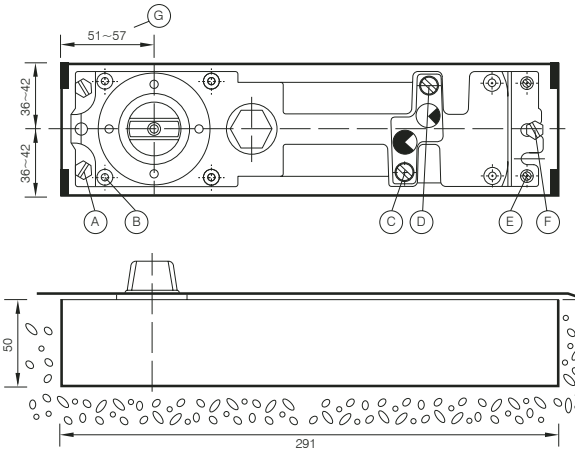
SPECIAL ORDER OPTIONS
Hold open 85°, 105° and 120°.
Light spring 15 Nm (for narrow width and light doors).

SIZE SELECTION CHART

DOOR WIDTH in mm	SPRING STRENGTH	CLOSING FORCE in Nm (Kpm)	NO HOLD OPEN	HOLD OPEN 90°
			PRODUCT CODE	
800 to 1200	Medium	28 (2.8)	6002-00	6002-90

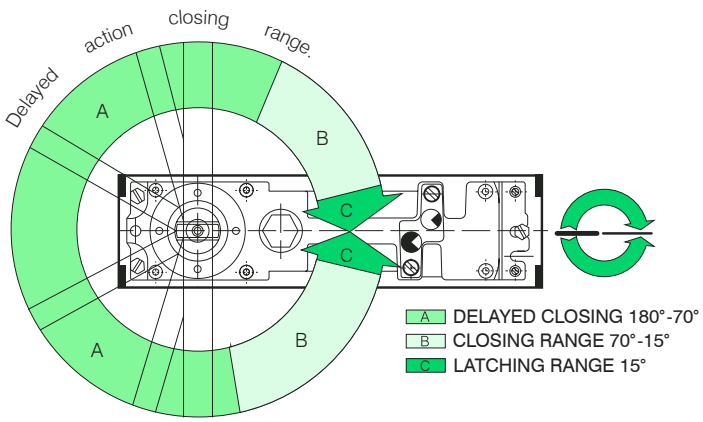
Select medium spring for standard doors up to 1200mm wide up to 150kg.
Light spring for light or narrow internal doors.

ADJUSTMENT

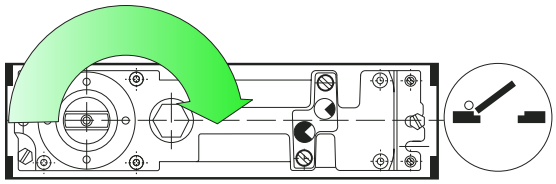


A = Mounting screws (back end)
B = Height adjustment screws (back end)
C = Regulating valve for closing speed from 180° to 70°
D = Regulating valve for closing speed from 70° to 0°
E = Height adjustment screws (front end)
F = Mounting screws (front end)
G = Back-spindle dimension.

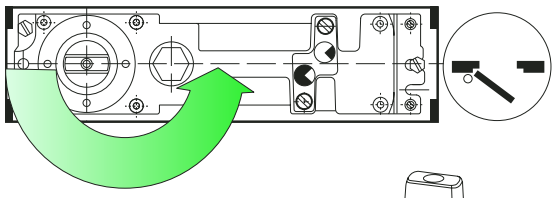
CLOSING RANGE



Left-hand door

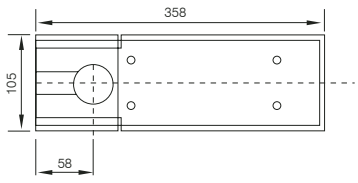


Right-hand door

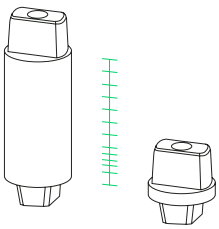


FULL HYDRAULIC CONTROL
Provided by three valve screws.

COVER PLATE
Universal for left hand, right hand single and double action doors. Stainless steel: FS-6000-0158



SPINDLE INSERT EXTENSIONS
Up to 50mm suitable for all types of doors.



GUARANTEE

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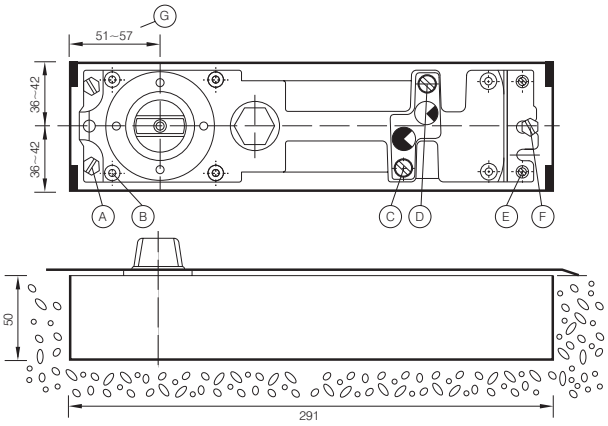
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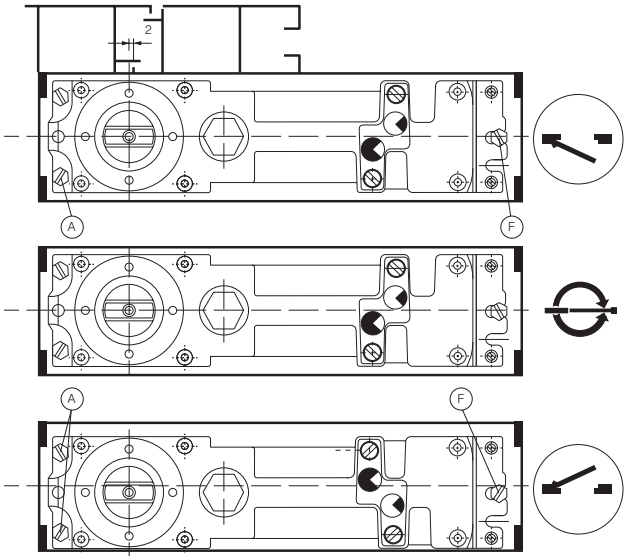
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DATE	MAY 2026

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Axim	TITLE **NARROW BODY FLOOR SPRING FS-6000 SERIES**	SHEET No. **2:09**
	SUB TITLE **INSTALLATION INSTRUCTION**	



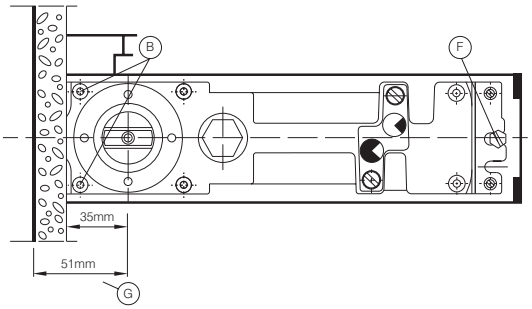
A = Mounting screws (back end)
B = Height adjustment screws (back end)
C = Regulating valve for closing speed from 180° to 70°
D = Regulating valve for closing speed from 70° to 0°
E = Height adjustment screws (front end)
F = Mounting screws (front end)
G = Back-spindle dimension.



Left-hand door
Loosen mounting screws (A) and (E)
Move closer in cement case as shown.

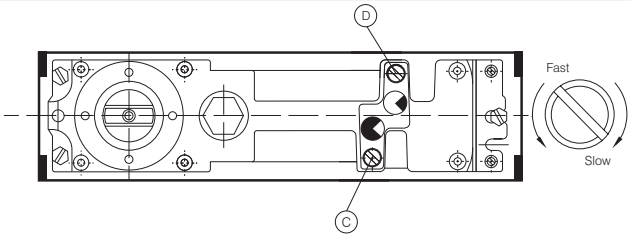
Double action door
Floor spring should be adjusted
to centre of cement case.

Right-hand door
Loosen mounting screws (A) and (E)
Move closer in cement case as shown.



Installation
The back-spindle dimension (G) is 51mm and must be taken into consideration in regard to un-finished, or face concrete walls. After installation dimension (G) can be reduced to 35mm by means of tiles, stucco or other wall finishings.

Removal
Loosen height adjustment screws (B) and remove mounting screws (E). Now remove closer. Re-mounting: re-adjust closer. Tighten mounting screws (E) and height adjustment screw (B).



Closing speed
The FS6000 has two closing speeds which are independently adjustable.
Regulating valve (C) controls the closing speed from 180° ~ 70°.
Regulating valve (D) = 70° ~ 0° closed.

Accessories Installation drawings showing various accessories are available for all known aluminum-, stainless steel, toughened glass-, wood-, plastic- and steel doors.

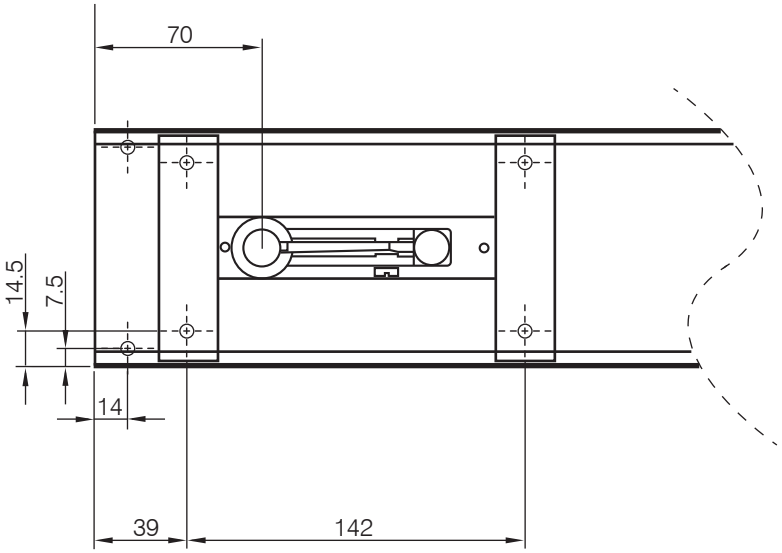
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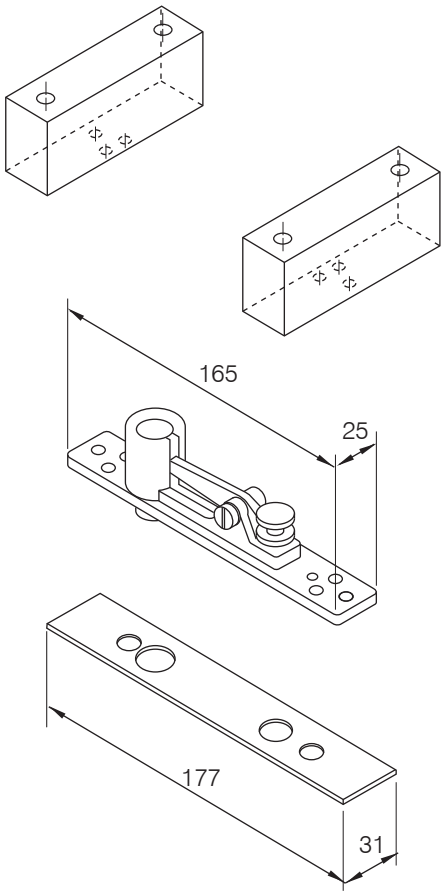
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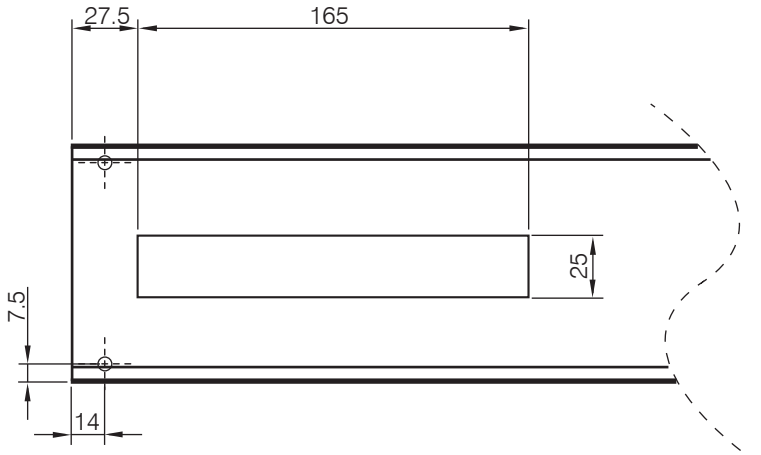
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Axim	TITLE **NARROW BODY FLOOR SPRING FS-SERIES**	SHEET No. **2:10**
	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAIL FS-6000-0114**	



Blocks (by fabricator) drilled and tapped to suit top pivot





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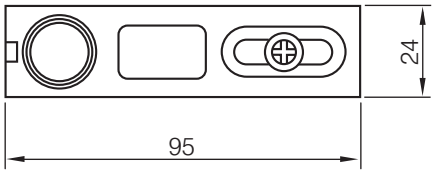
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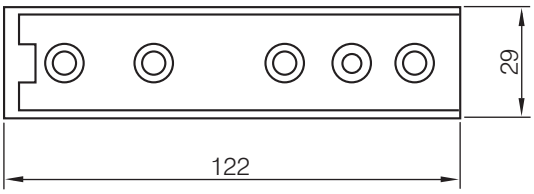
Axim	TITLE **NARROW BODY FLOOR SPRING FS-SERIES**	SHEET No. **2:11**
	SUB TITLE **RETRACTABLE TOP CENTRE PIVOT DETAIL FS-6000-0115**	

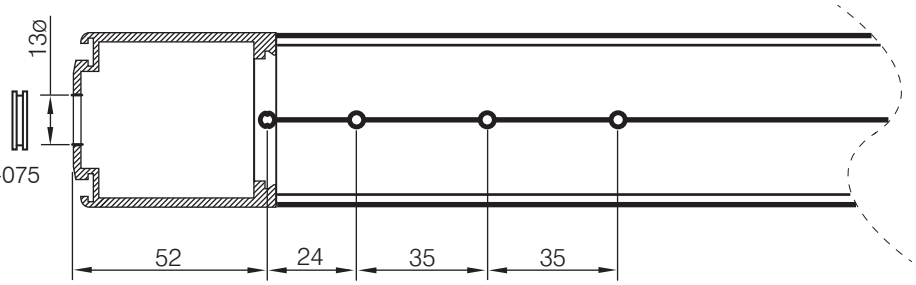
Note:
For anti finger trap doors with auto closers use AXIM TC8800 dummy transom closer with standard bottom pivot



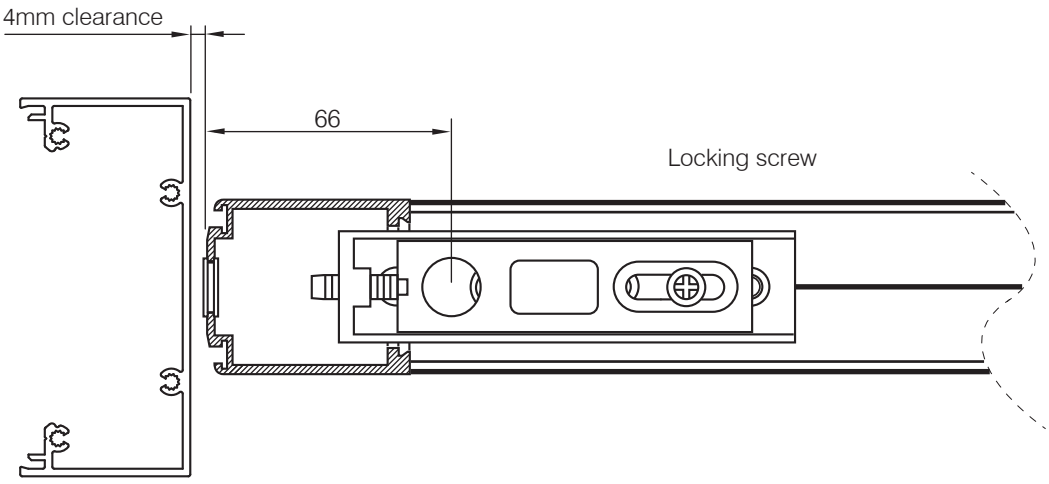
AXIM FS-6000-0115

Adjusting screw





Grommet FX-075



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UNIVERSAL APPLICATION

Left hand, right hand, single and double action doors.
Closing force 28 Nm for doors 120kg and up to 1150mm wide.
No hold and 90° hold open options.
105° hold open are available at request.

FULLY HYDRAULIC CONTROL

Provided by two valve screws
Back check range 85°-130°
Closing Range 130°-15°
Latching Range 15°-0°

BACKCHECK ZONE

Prevents damage to outward opening doors or where door swing is limited to 90°.

FULLY ADJUSTABLE

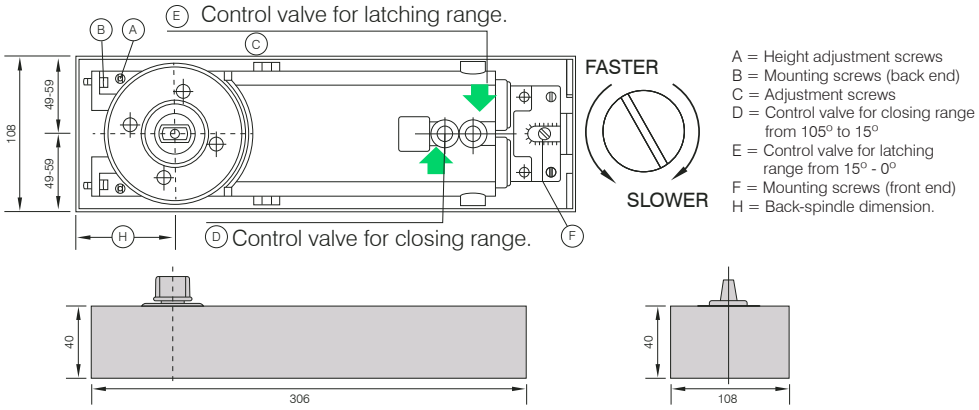
The 8500 series floor spring is postionally adjustable for height 4mm, width 10mm and length 6mm.

SIZE SELECTION CHART

DOOR WIDTH in mm	SPRING STRENGTH	CLOSING FORCE in Nm (Kpm)	NO HOLD OPEN	HOLD OPEN 90°
			PRODUCT CODE	
Up to 1150	Medium	25 (2.5)	8502-00	8502-90
Up to 800	Light	16 (1.6)	-	8501-90

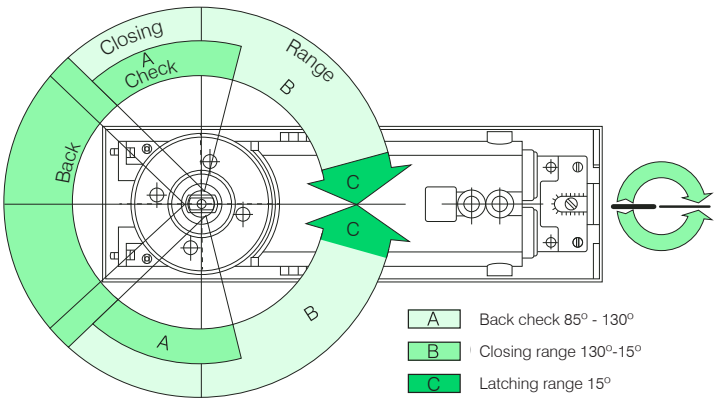
Select medium spring for standard doors up to 1150mm wide up to 120kg.
Light spring for light or narrow internal doors.

ADJUSTMENT

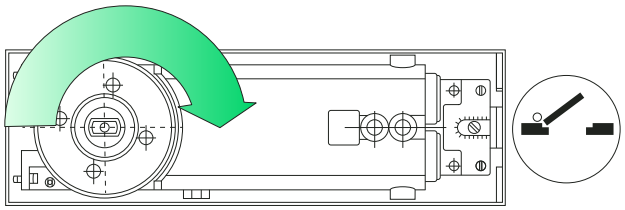


A = Height adjustment screws
B = Mounting screws (back end)
C = Adjustment screws
D = Control valve for closing range from 105° to 15°
E = Control valve for latching range from 15° - 0°
F = Mounting screws (front end)
H = Back-spindle dimension.

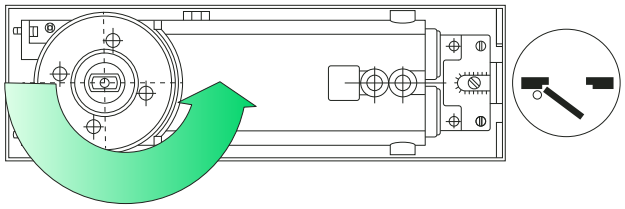
CLOSING RANGE



Left-hand door



Right-hand door



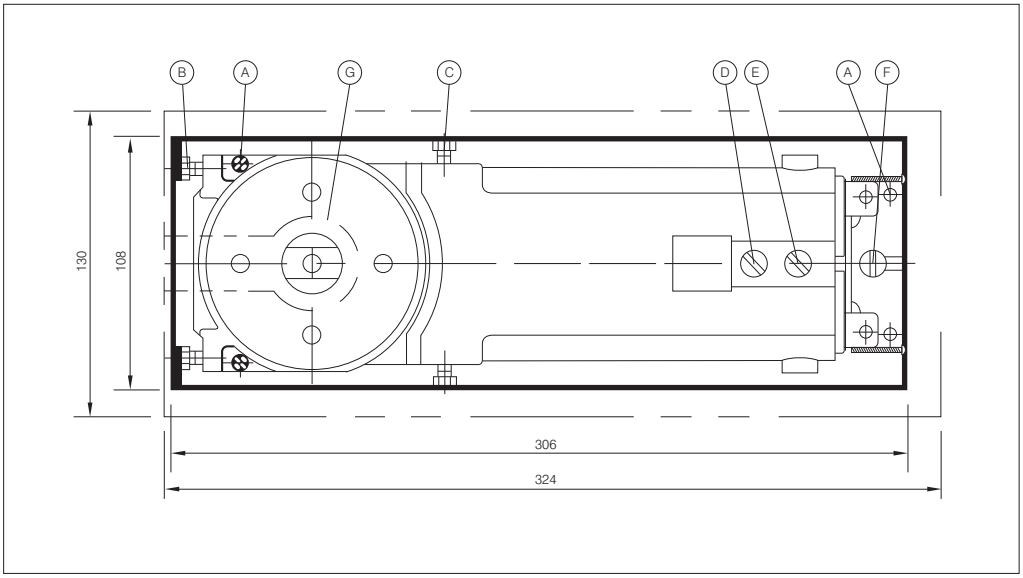
GUARANTEE

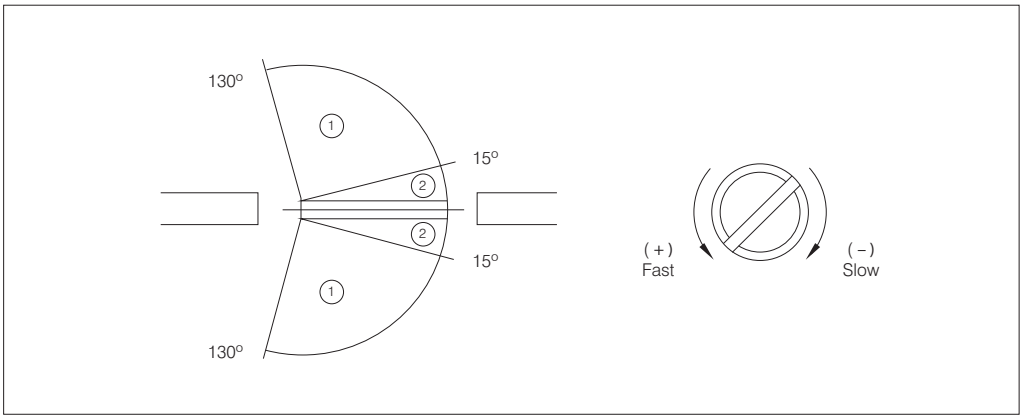
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Installation & Adjustment

(1) Prepare frame and door rails as detailed and install door strap and pivot set.
(2) Cut out recess in floor large enough for cement case and fit floor spring in position.
Ensure spindle aligns with pivot pin in frame.
Take dust plate (G) from coverplate pack and place over spindle before hanging door.
(3) Lift door onto floor spring and open door enough to reveal pivot pin retracting screw.
(4) Turn screw counter-clockwise until pin fully engages with pivot in door.
(5) To adjust the clearance between hinge jamb and door stile, loosen screws (F), (C) and adjust with screws (B).
(6) To adjust door height, loosen screws (F),(C),(B) and adjust with screws (A).
(7) To centre door, loosen screws (B),(F), and adjust with screws (C).
(8) To adjust the speed from 105° ~ 15° turn valve screw (D) counter-clockwise for faster and clockwise for slower.
(9) For the last 15° of latching turn valve screw (E) counter-clockwise for faster and clockwise for slower.
(10) Fit coverplate with 3 screws.

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Regular Cleaning and Maintenance:

Keep the floor spring and the surrounding area clean from dust, dirt, and debris. Clean cover plates with a mild detergent, rinse off after cleaning. This will prevent particles from interfering with the spring's mechanism.

If floor spring is exposed to any moisture ensure cover cap is sealed with low modulus silicone to prevent entry to closer box.

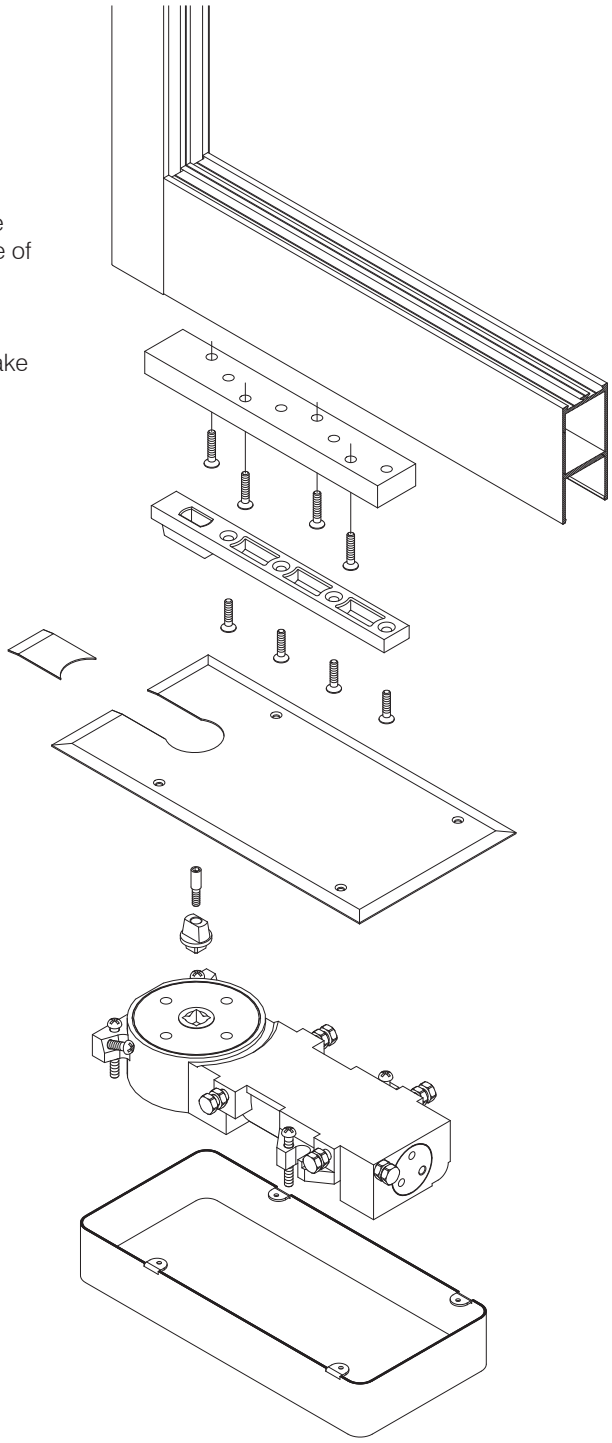
Examine the seals around the floor spring for damage or wear. Damaged seals can allow dirt and moisture to enter, leading to premature wear and tear.

Regularly inspect and tighten any screws or bolts that may have loosened over time. Loose fasteners can affect the performance of the floor spring.

Periodically check the adjustment settings of the floor spring, including the closing speed and force. Follow instructions to make any necessary adjustments.

Visually inspect the floor spring and the area around it for any signs of damage, excessive wear, or rust. Address any issues promptly to prevent further damage.

Schedule Professional Maintenance:



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SURFACE MOUNTED HYDRAULIC DOOR CLOSER

Die cast aluminium body, modern slimline design suitable for doors opening onto adjacent walls. Available in two strengths with one body size suitable for single action doors, either right hand or left hand opening 90° and 180°.

Reversible for standard top jamb and parallel arm installations.

Parallel arm bracket supplied as standard with every unit.

Fixings provided for both timber and metal doors.

Anodised dress plates conceal fixings after installation.

Easy to follow installation guide and full size template packed with every unit.

ADJUSTMENT

Two valve screws provide full hydraulic control from 180° - 15° of closing and 15° - 0° latching.

AVAILABLE IN SILVER FINISH

MODEL SELECTION TABLE (MAXIMUM DOOR WIDTH DIMENSION IN mm)

SIZE NO.	REGULAR ARM				PARALLEL ARM				DOOR WEIGHT (Ref.) kgs
	INTERIOR DOOR	EXTERIOR DOOR		Closing Force Nm (kgf.m)	INTERIOR DOOR	EXTERIOR DOOR		Closing Force Nm (kgf.m)	
		Swing Out	Swing In			Swing Out	Swing In		
2	900	800	700	19 (1.9)	800	700	600	14 (1.4)	25-45
3	1050	900	800	23 (2.3)	900	800	700	19 (1.9)	40-60

ACCESSORIES

Hold open arm (plunger type) adjustable for any degree of retention.

Flat top bracket for installation on door frame when direct fixing is not possible.

GUARANTEE

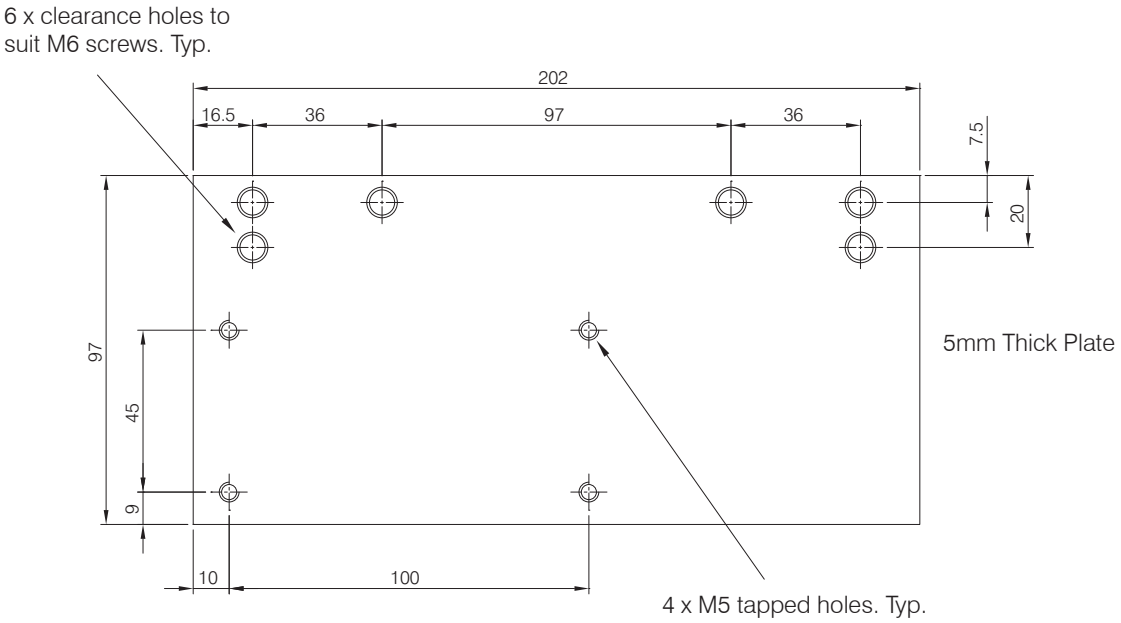
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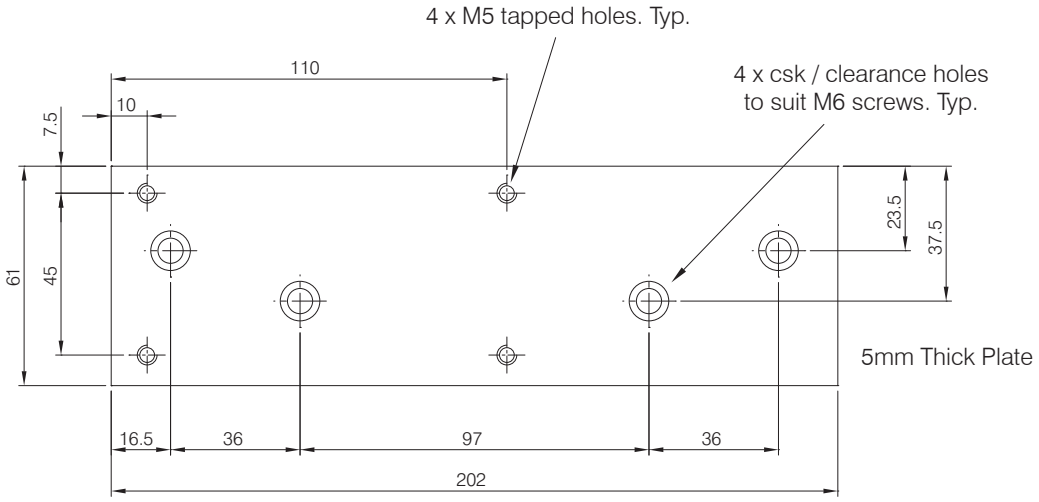
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FC-1000-12-AL
Backplate for use with FC1000 series surface closers on parallel arm installation



FC-1000-14-AL
Backplate for use with FC1000 series surface closers on standard and top jamb installation

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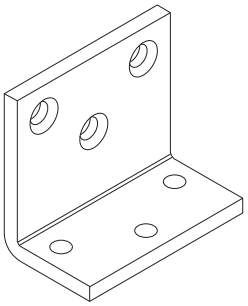
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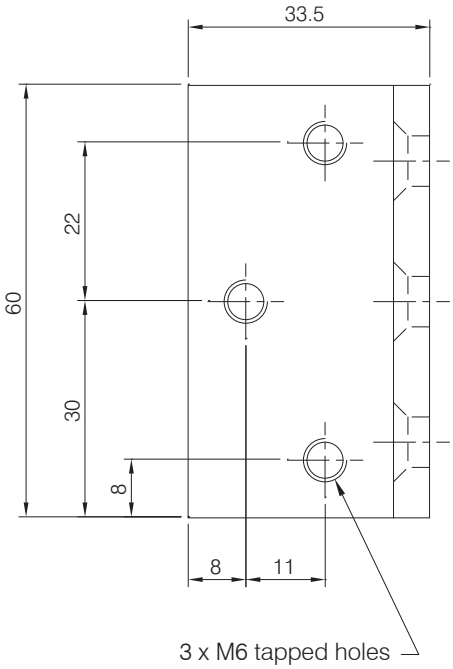
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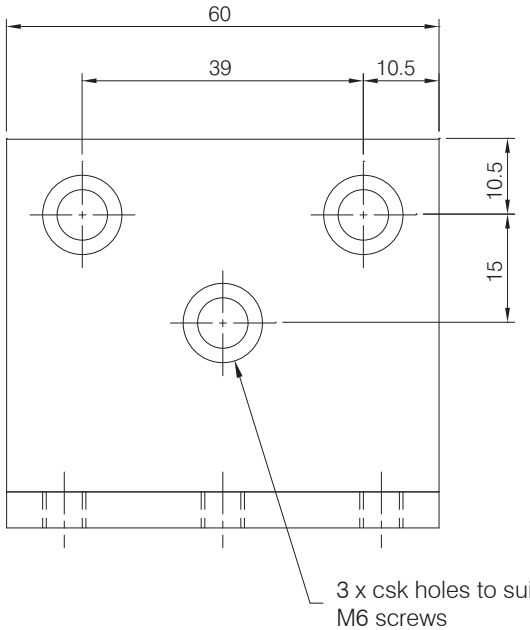
Axim	TITLE **UNIVERSAL CLOSER FC-1000 SERIES**	SHEET No. **3:03**
	SUB TITLE **SURFACE MOUNTED CLOSER MOUNTING BRACKET FOR PARALLEL ARM INSTALLATION (FACE FIXED) FC-1000-15-AL**	

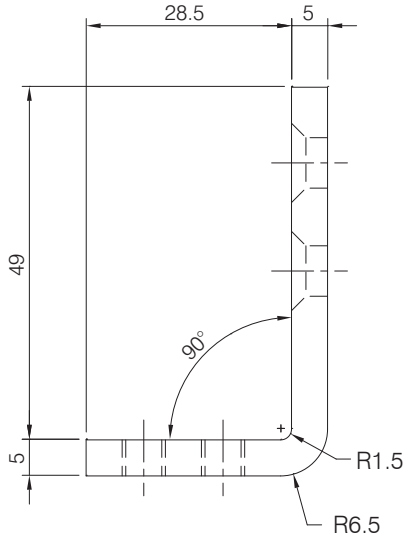
ISO view not to scale



Material: Mild steel
Finish: Zinc plating + silver, bronze or white PPC







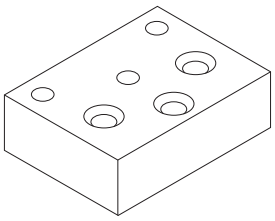
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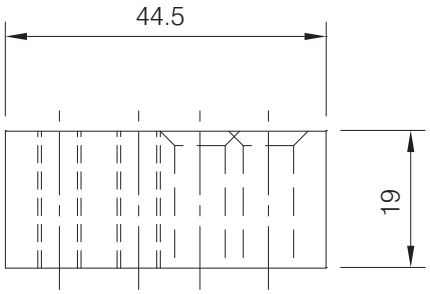
SCALE	NTS @A4
DATE	APRIL 2025

For scaled technical or CAD drawings, please contact AXIM.

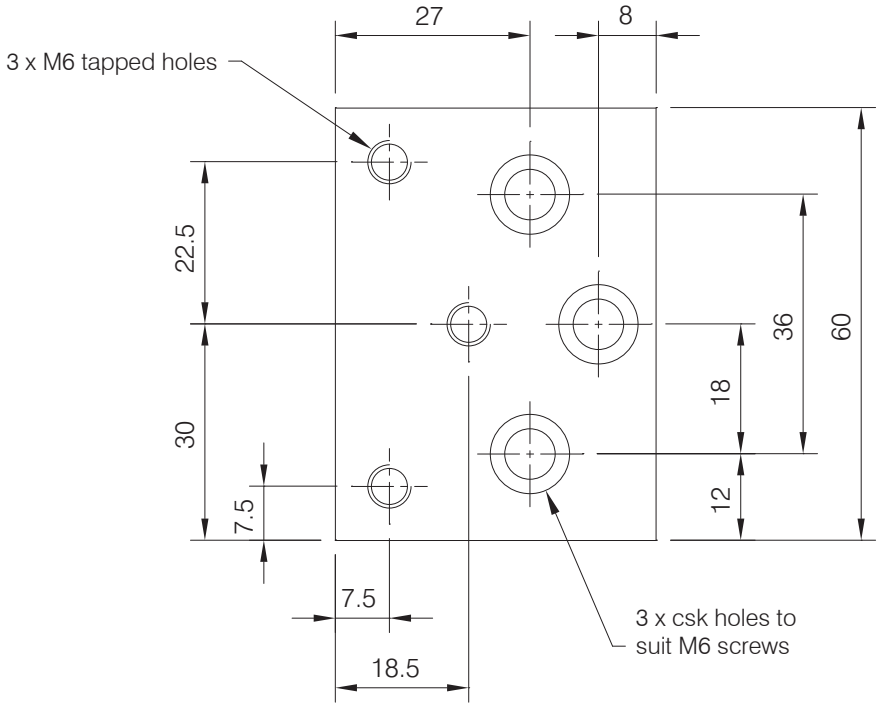
Axim	TITLE **UNIVERSAL CLOSER FC-1000 SERIES**	SHEET No. **3:04**
	SUB TITLE **SURFACE MOUNTED CLOSER PACKING BLOCK FOR PARALLEL ARM INSTALLATION (VERT. FIXED) FC-1000-16-AL**	



ISO view not to scale



Material: Aluminium
Finish: Mill finish



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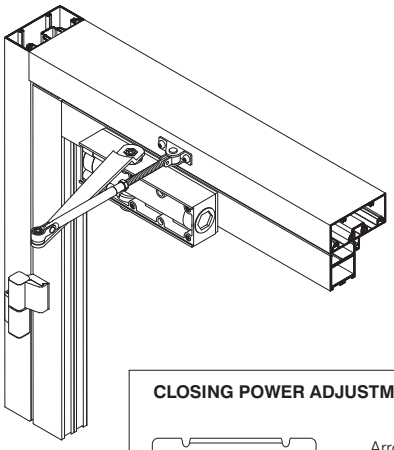
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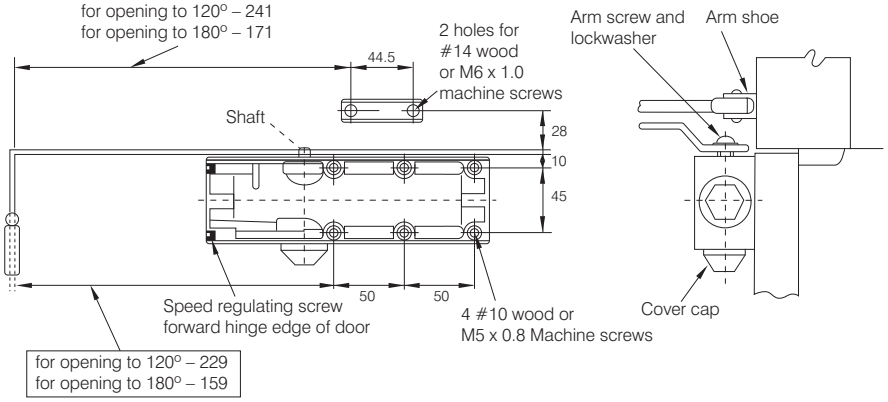
For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE	**UNIVERSAL CLOSER FC-1000 SERIES**	SHEET No. **3:05**
	SUB TITLE	**INSTALLATION INSTRUCTIONS**	

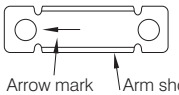
Standard installation

Closer mounted on door on pull side



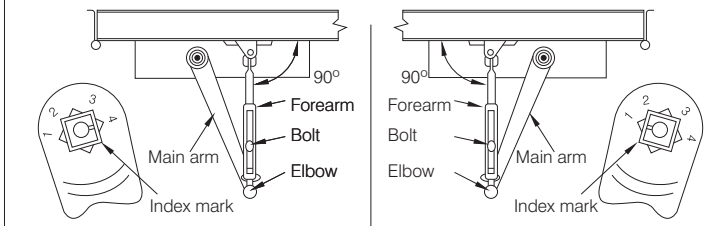


CLOSING POWER ADJUSTMENT



Arrow toward hinge edge – for regular power
Arrow away from hinge edge – for maximum power

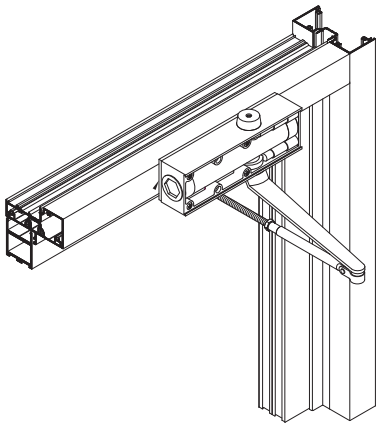
POSITION OF ARMS AND INDEX SETTINGS

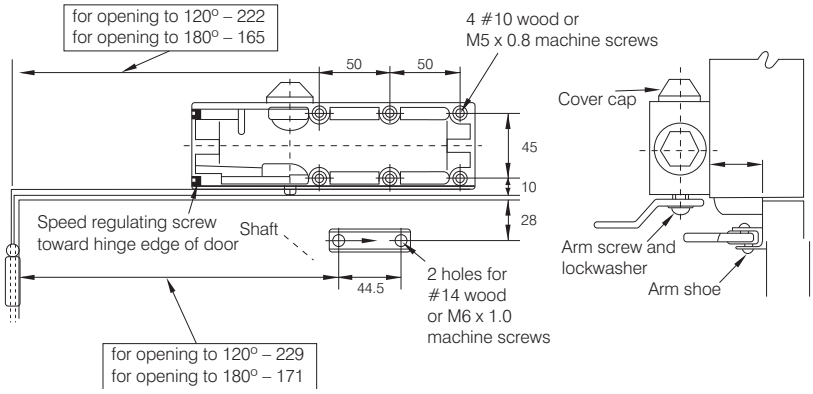


Right hand door shown
Same dimensions apply for left hand door measured from hinge edge

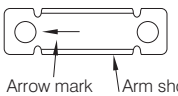
Top jamb installation

Closer mounted on top jamb on push side of door.
Reveals of 70 to 127 requires long top jamb forearms



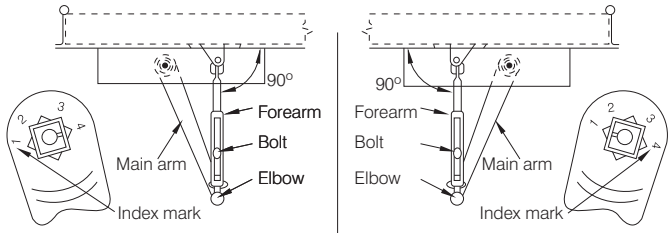


CLOSING POWER ADJUSTMENT



Arrow toward hinge edge – for regular power
Arrow away from hinge edge – for maximum power

POSITION OF ARMS AND INDEX SETTINGS



Left hand door shown
Same dimensions apply for right hand door measured from hinge edge

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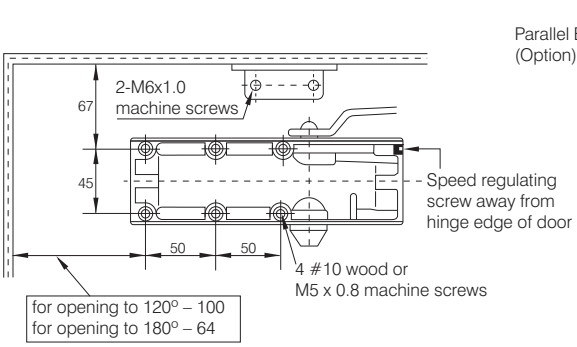
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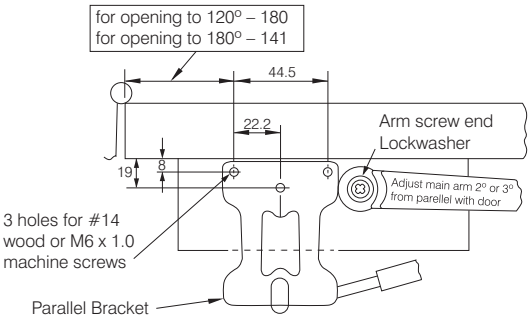
For scaled technical or CAD drawings, please contact AXIM.

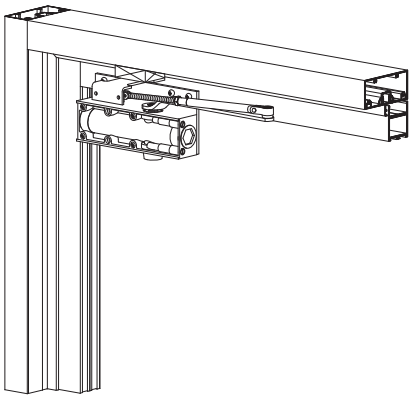
Axim	TITLE **UNIVERSAL CLOSER FC-1000 SERIES**	SHEET No. **3:06**
	SUB TITLE **INSTALLATION INSTRUCTIONS**	

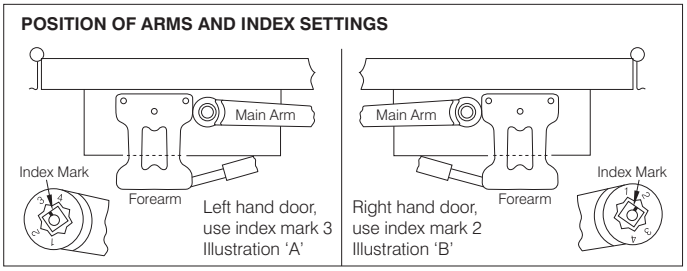
Parallel arm installation
Closer mounted on door on push side

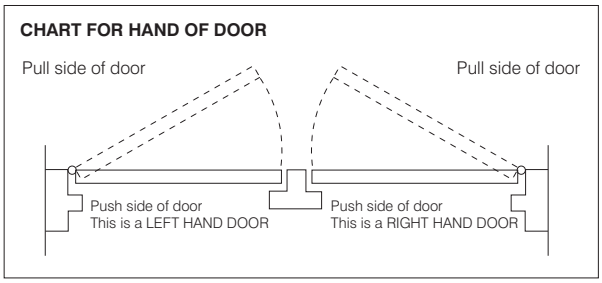


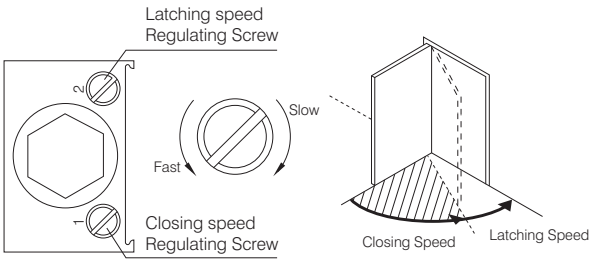
Left hand door shown
Same dimensions apply for right hand door measured from hinge edge.











Instructions

Step 1
A. Check hand of door.
B. Select type of installation.

Step 2
A. See instructions for installation you have selected.
B. Follow instructions for correct application and adjustment.

Step 3
A. Apply closer body and forearm (or parallel bracket and forearm) to door and frame as shown.
B. Place main arm on shaft at proper index mark as shown and tighten arm screw with lockwasher securely.
C. Adjust length of forearm as shown and attach to main arm at elbow and tighten locknut bolt.

Step 4
Fixing cover cap on shaft at unused side and insert rubber plug into one of unused fixing hole on body then slide in the Faceplate.

Step 5
Door closing and latching speeds are controlled by #1, #2 speed. regulating screw separately.
A. Clockwise turns slow the Speed.
B. Counterclockwise turns increase the speed.

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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:07**
	SUB TITLE **TECHNICAL INFORMATION**	

SURFACE MOUNTED HYDRAULIC DOOR CLOSER

The FC-15 is a multi-strength surface mounted hydraulic door closer, designed to complement the FC-10. A hardened rack and pinion mechanism is house in a die cast aluminium body.

Suitable for left or right hand opening doors, top jamb and standard fixing. A parallel bracket is supplied for parallel arm installations.

Fixings for both metal and timber doors are included.

Adjustment valve screws and fixings are concealed behind a slide on, anodised dress plate. Each unit is complete with a full size template and easy to follow instructions.

ADJUSTMENT

Backcheck is a standard feature which protects doors in severe conditions.

The cushioning effect has been set for average conditions but can be increased or decreased by turning (valve screw D) clockwise or counterclockwise.

Closing speed is adjustable from 180-15° by turning (valve screw B) counterclockwise for faster or clockwise for slower

The latching (valve screw C) can be adjusted in the same way for the last 15° of closing.

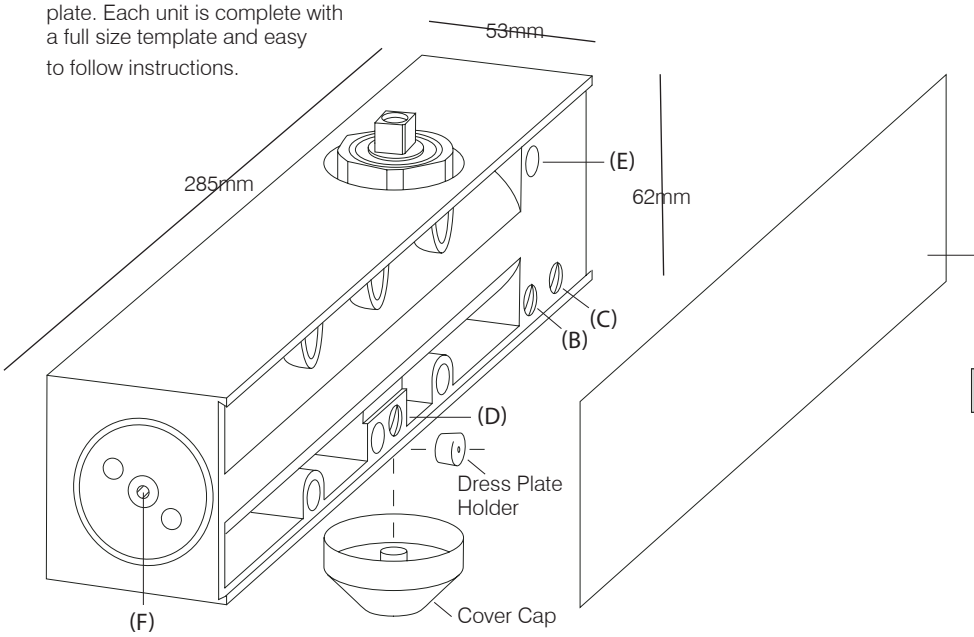
The speed is adjustable using (valve screw E) in the same way as the closing and latching valves. Spring power is adjustable giving sizes 2-5 by tuning (screw F) with the 5mm hexagon wrench provided. See adjustment chart.

TEST VERIFICATION OF CONFORMITY

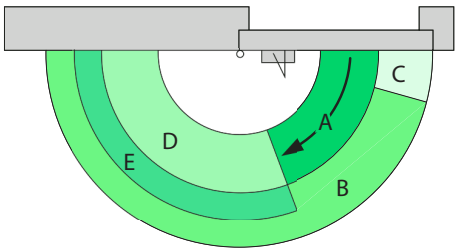
AXIM 1500 series closers have been included in successful tests to EN 1154: 1996.

AVAILABLE FINISHES

Silver.



(A) Regular Opening



No. of turned	Power size	STANDARD/TOP JAMB INSTALLATION				Power size	PARALLEL INSTALLATION			
		Interior door width (mm)	Exterior door width (mm)		Closing force (Kgf.m)		Interior door width (mm)	Exterior door width (mm)		Closing force (Kgf.m)
			Swing out	Swing in				Swing out	Swing in	
-3	2	900	800	700	1.2	1	900	800	600	1.2
0	3	1050	900	800	1.9	2	1050	700	700	1.9
+4	4	1200	1050	900	2.9	3	1200	900	800	2.9
+8	5	1350	1200	1050	3.8	4	1350	1200	1050	3.8

*Factory preset

ACCESSORIES

Hold open arm (plunger type) adjustable for any degree of retention.

Flat top bracket for installation on door frame when direct fixing is not possible.

Please contact Technical Department for further information.

GUARANTEE

AXIM SURFACE MOUNTED CLOSERS AND ACCESSORIES ARE GUARANTEED FOR 30 MONTHS FROM THE DATE OF MANUFACTURE AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED. AXIM RESERVE THE RIGHT TO UPDATE ITS PRODUCT SPECIFICATIONS WITHOUT PRIOR NOTICE.

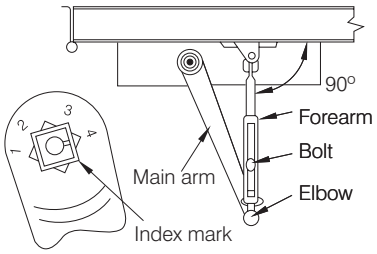
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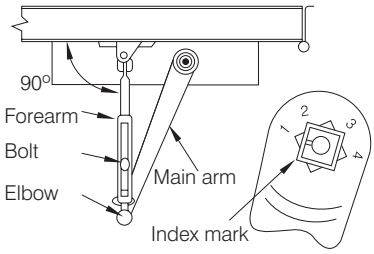
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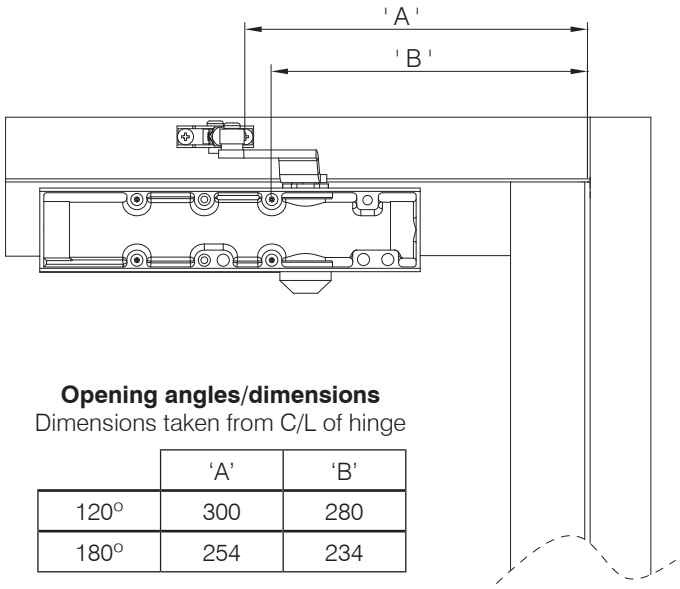
POSITION OF ARMS AND INDEX SETTINGS



Right hand door. Use index mark 4



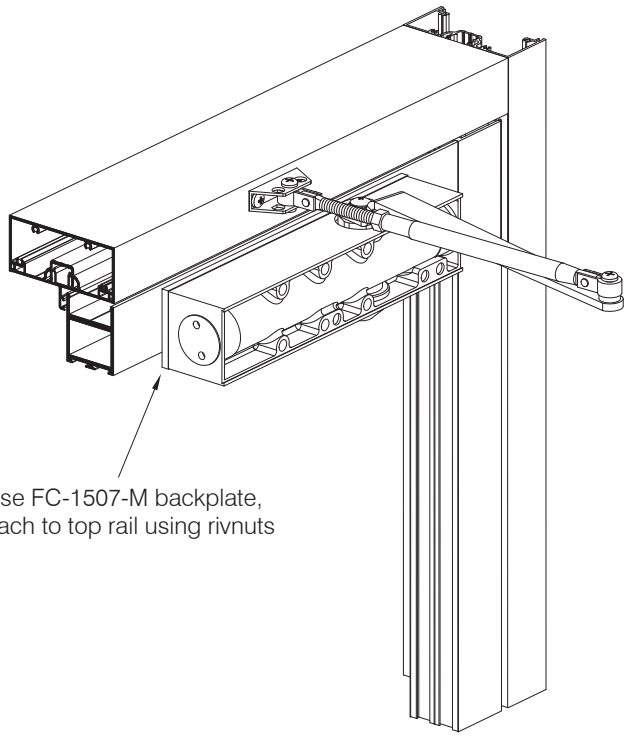
Left hand door. Use index mark 1



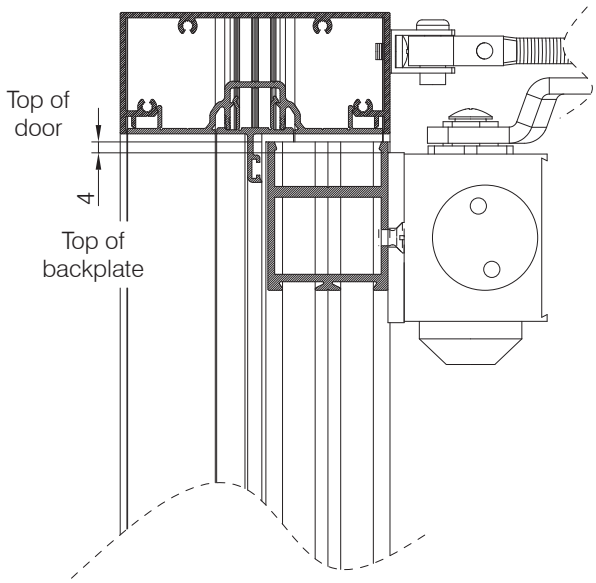
Opening angles/dimensions

Dimensions taken from C/L of hinge

	'A'	'B'
120°	300	280
180°	254	234



Use FC-1507-M backplate, attach to top rail using rivnuts



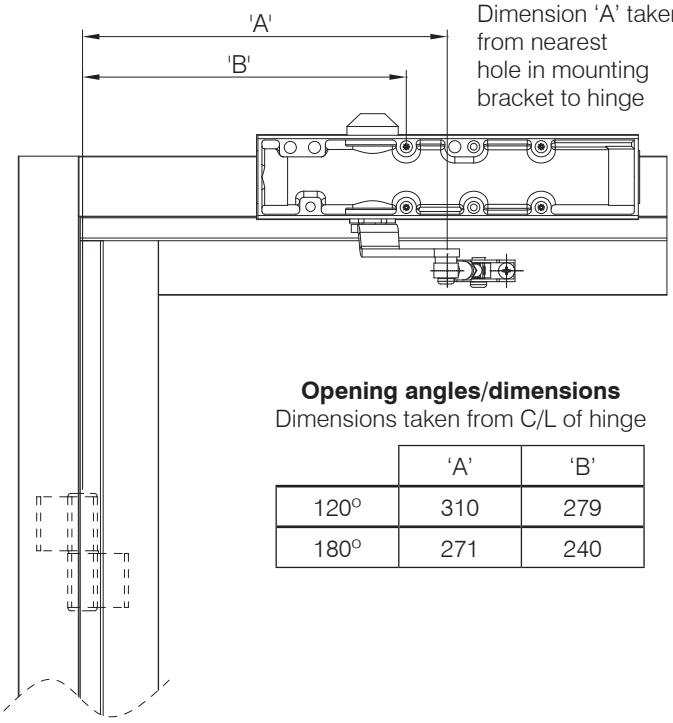
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DATE	APRIL 2025

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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:09**
	SUB TITLE **TOP JAMB INSTALLATION**	

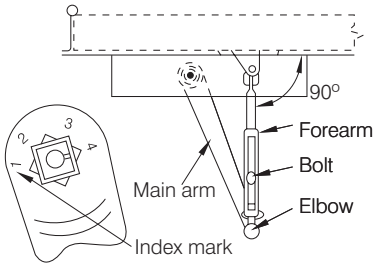


Note
Dimension 'A' taken from nearest hole in mounting bracket to hinge

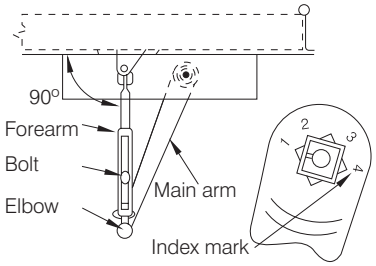
Opening angles/dimensions
Dimensions taken from C/L of hinge

	'A'	'B'
120°	310	279
180°	271	240

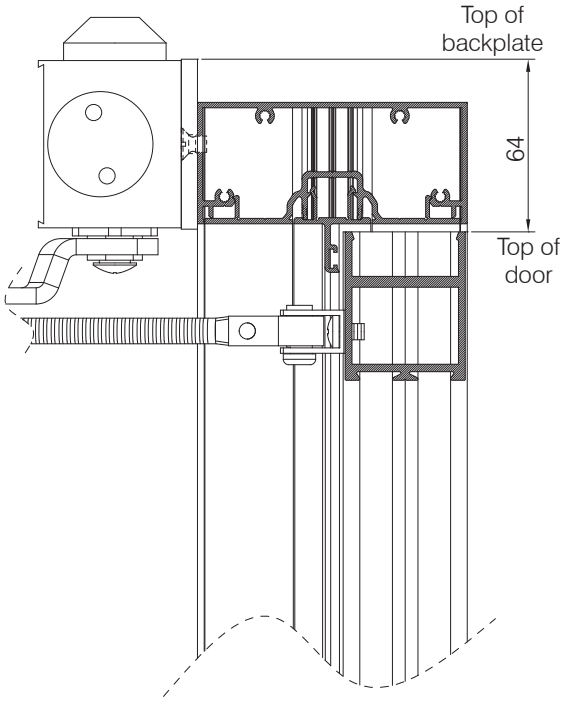
POSITION OF ARMS AND INDEX SETTINGS

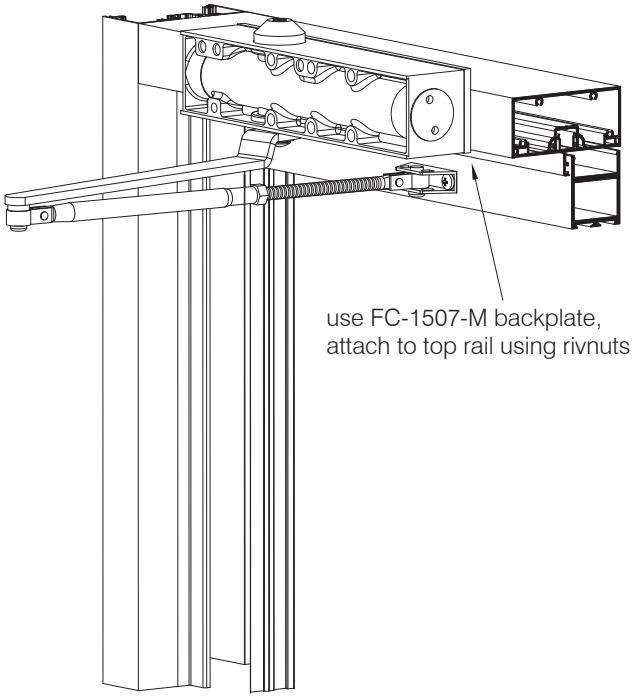


Left hand door. Use index mark 1



Right hand door. Use index mark 4





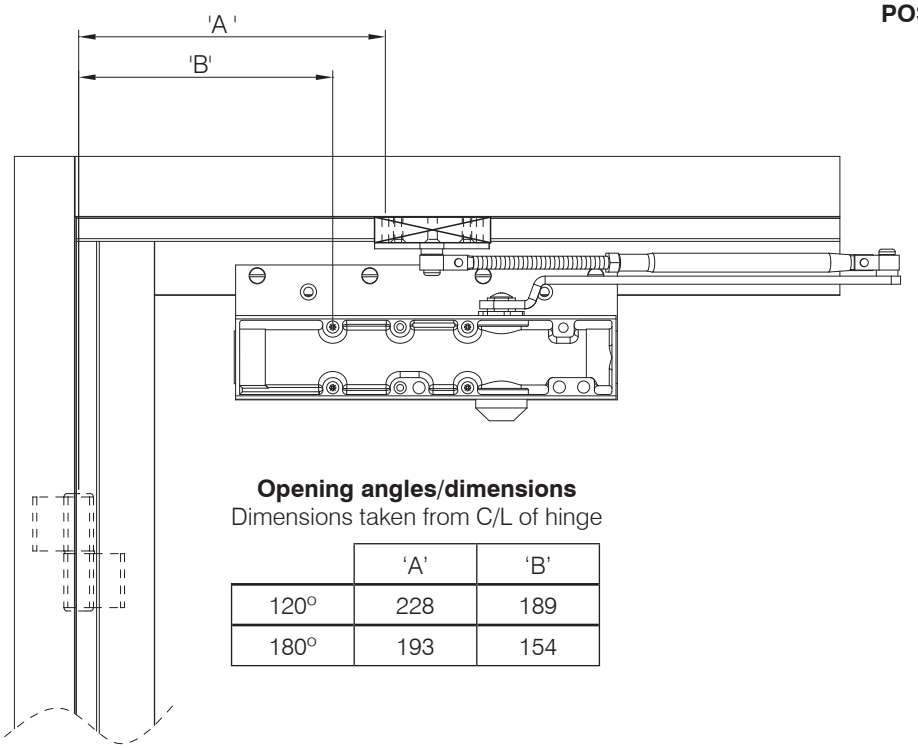
use FC-1507-M backplate, attach to top rail using rivnuts

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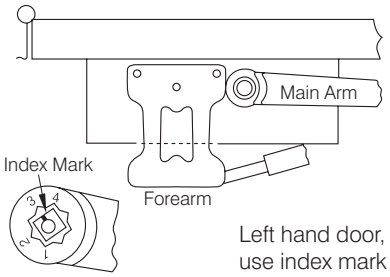
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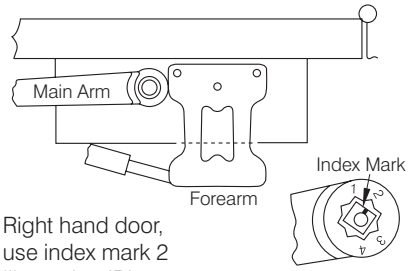
Opening angles/dimensions
Dimensions taken from C/L of hinge

	'A'	'B'
120°	228	189
180°	193	154

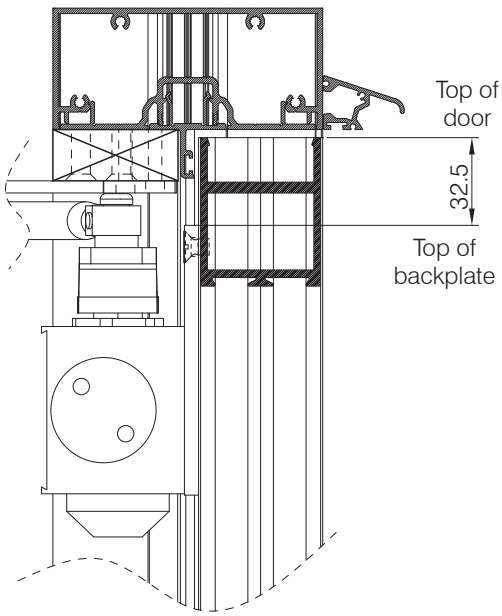
POSITION OF ARMS AND INDEX SETTINGS

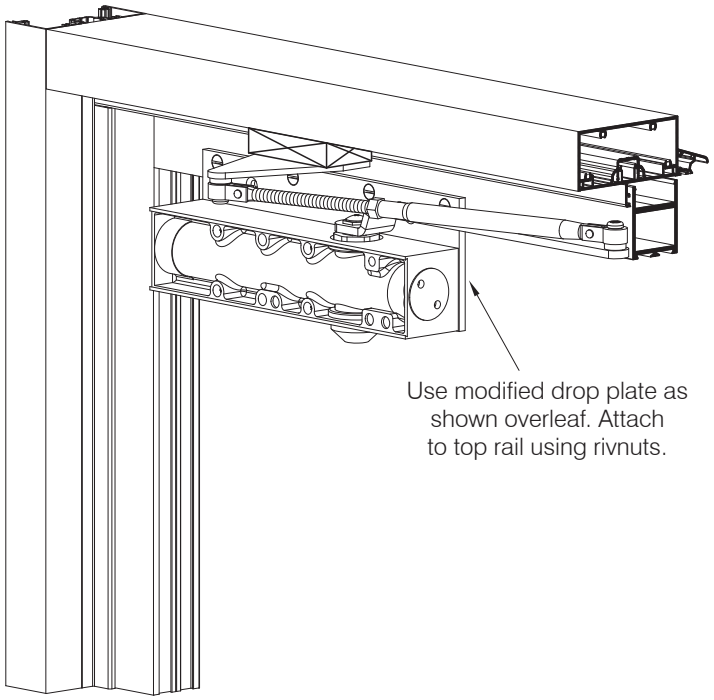


Left hand door,
use index mark 3
Illustration 'A'



Right hand door,
use index mark 2
Illustration 'B'





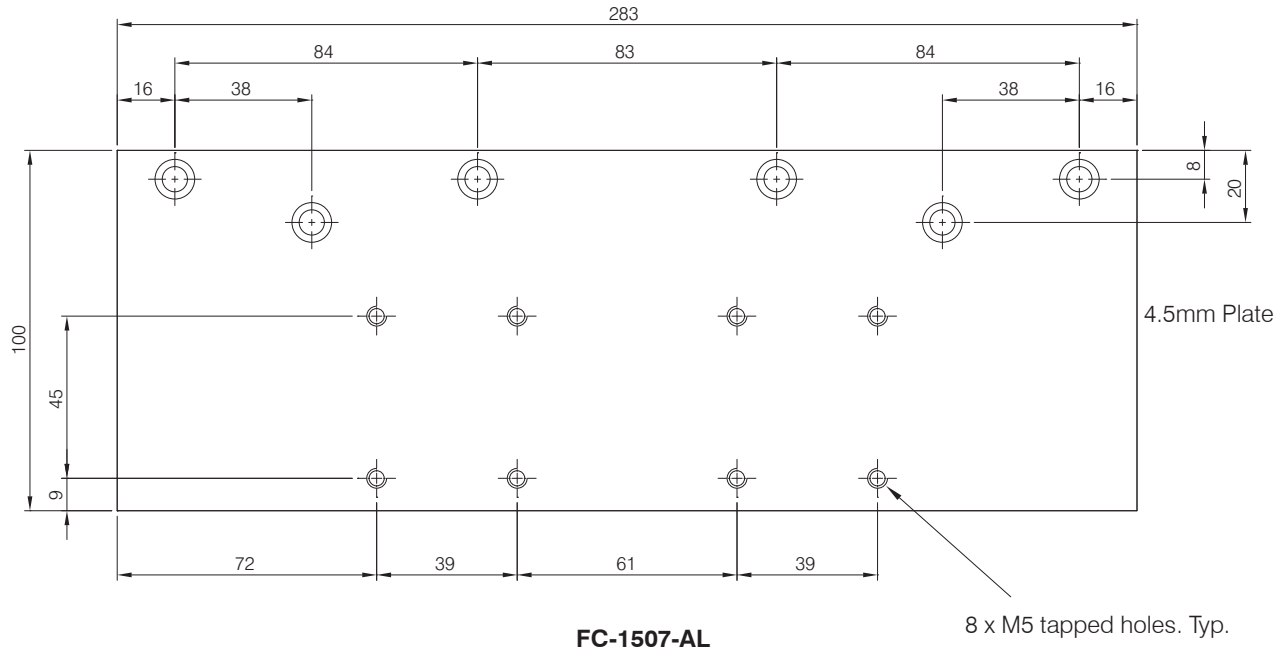
Use modified drop plate as shown overleaf. Attach to top rail using rivnuts.

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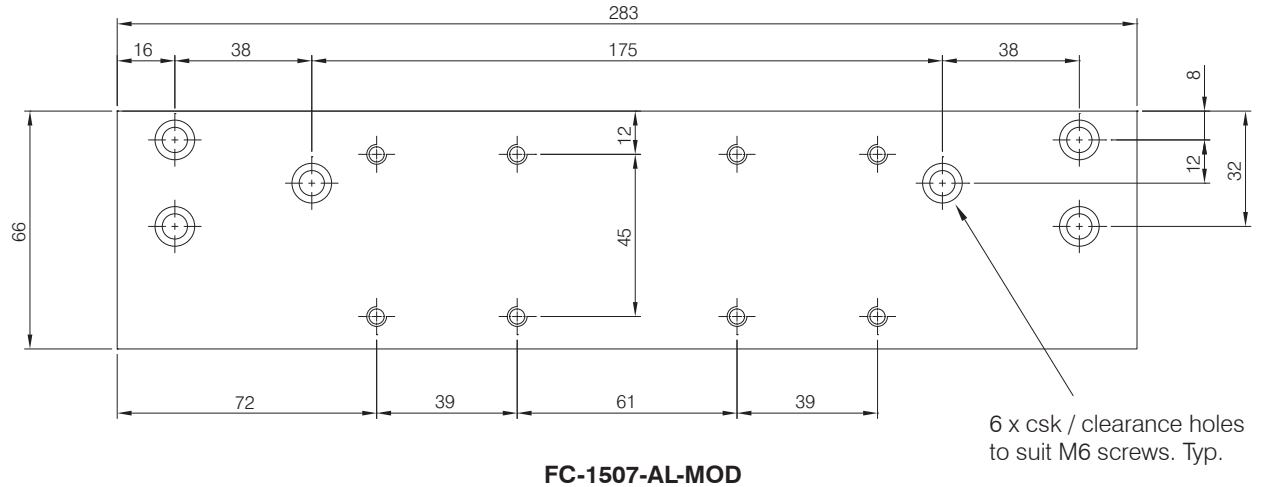
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FC-1507-AL
Backplate for use with FC1500 series surface closers on parallel arm installation



FC-1507-AL-MOD
Backplate for use with FC1500 series surface closers on standard and top jamb installation

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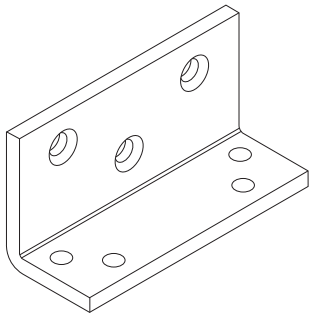
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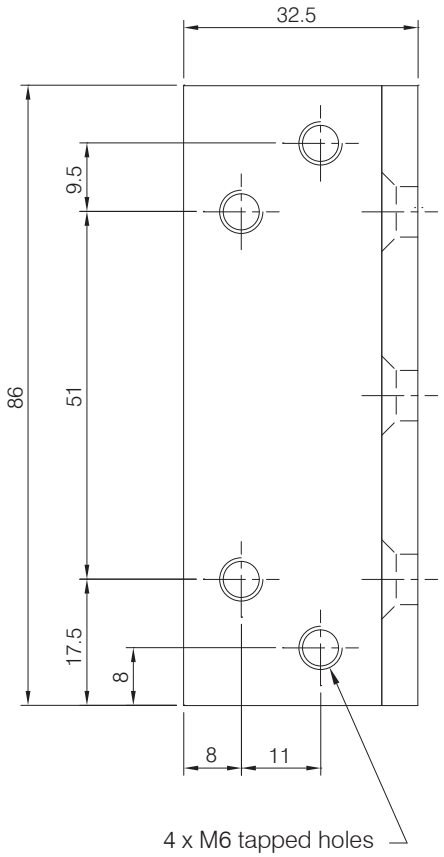
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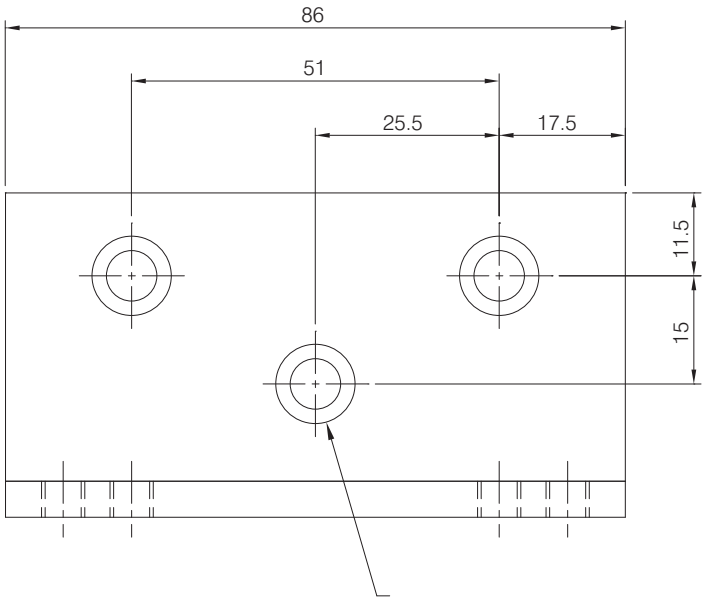
Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:12**
	SUB TITLE **MOUNTING BRACKET FOR PARALLEL ARM INSTALLATION (FACE FIXED) FC-1500-15-AL**	

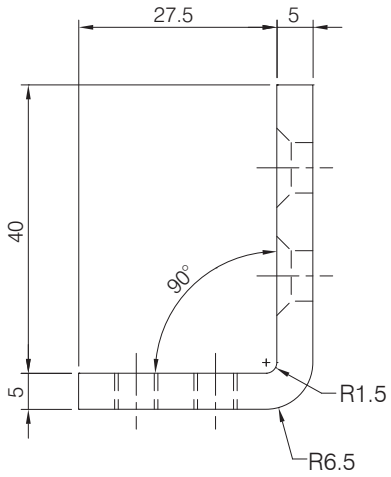
ISO view not to scale



Material: Mild steel
Finish: Zinc plating + silver







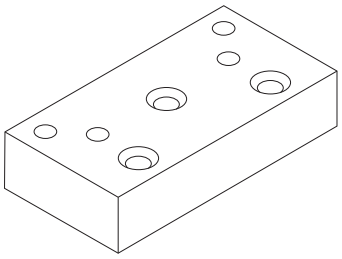
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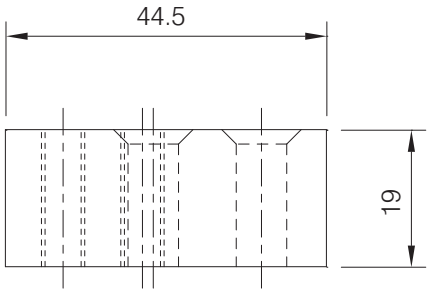
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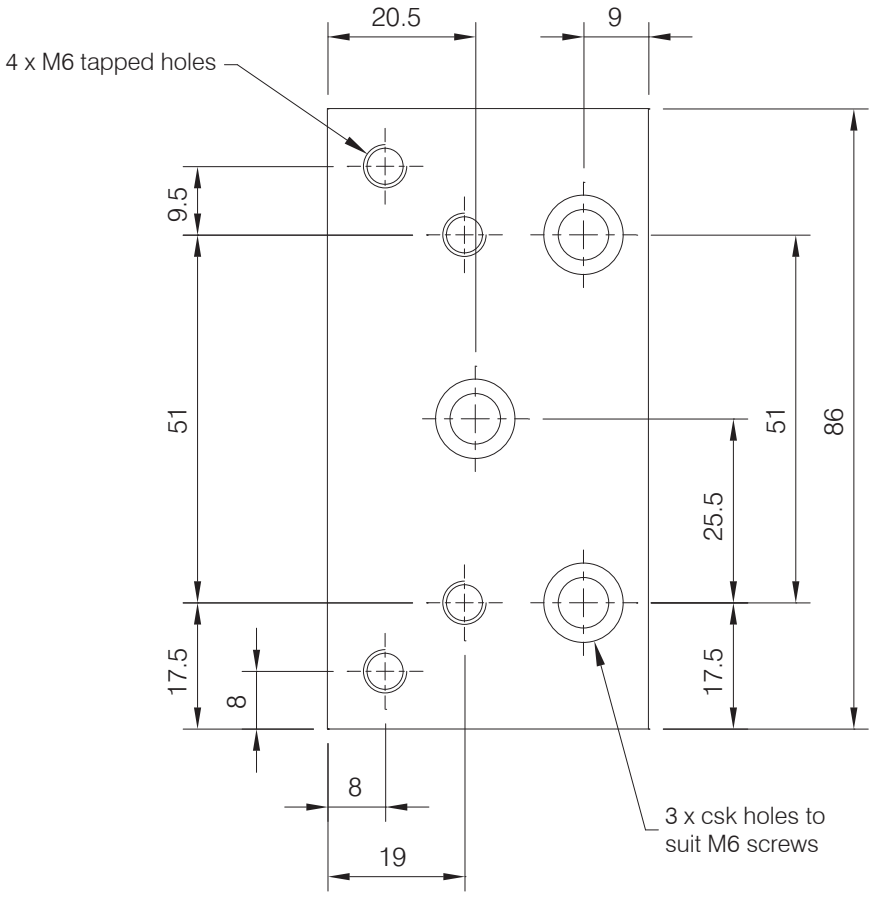
For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:13**
	SUB TITLE **PACKING BLOCK FOR PARALLEL ARM INSTALLATION (VERT. FIXED) FC-1500-16-AL**	



ISO view not to scale





Material: Aluminium
Finish: Mill finish

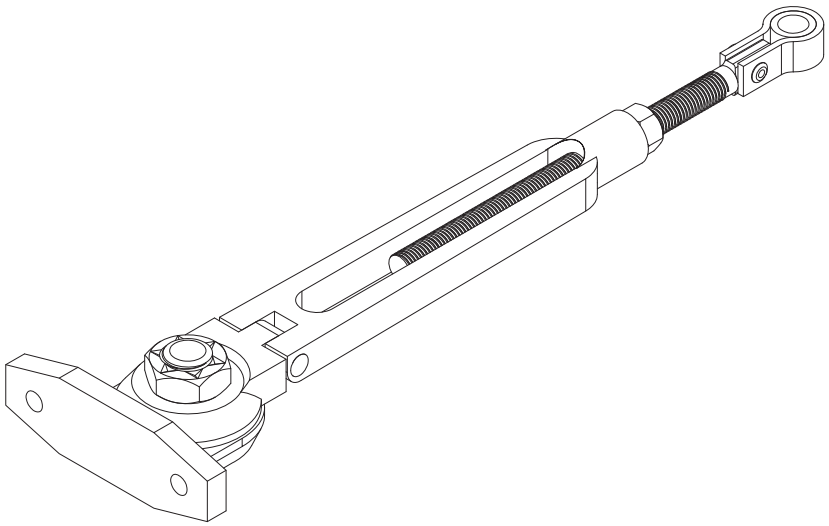
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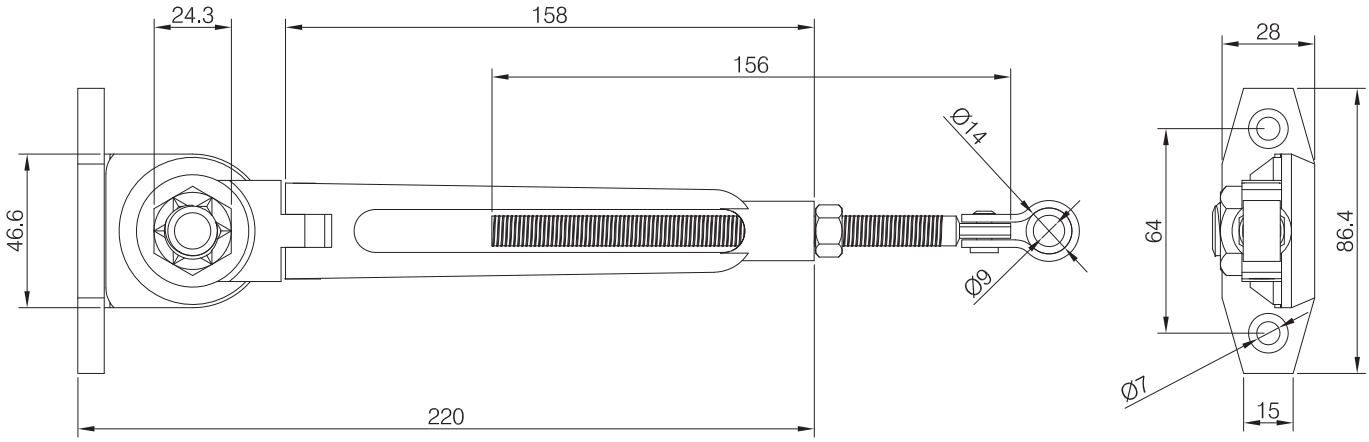
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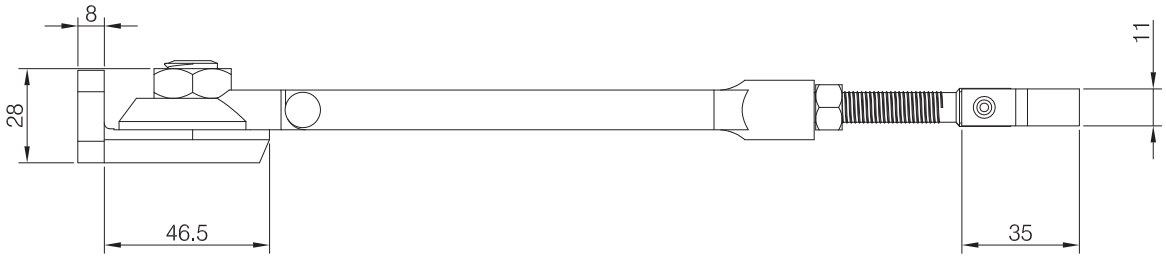
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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:14**
	SUB TITLE **HOLD OPEN ARM FC-522-AL**	







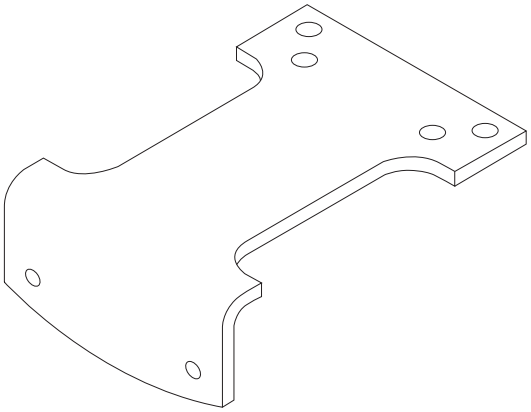
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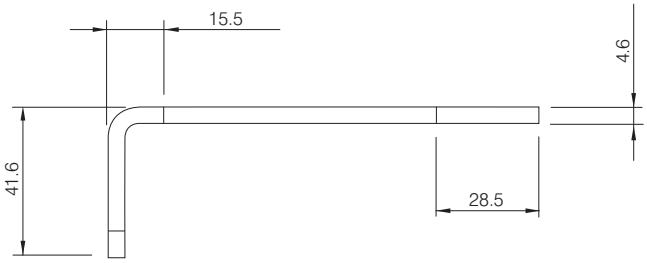
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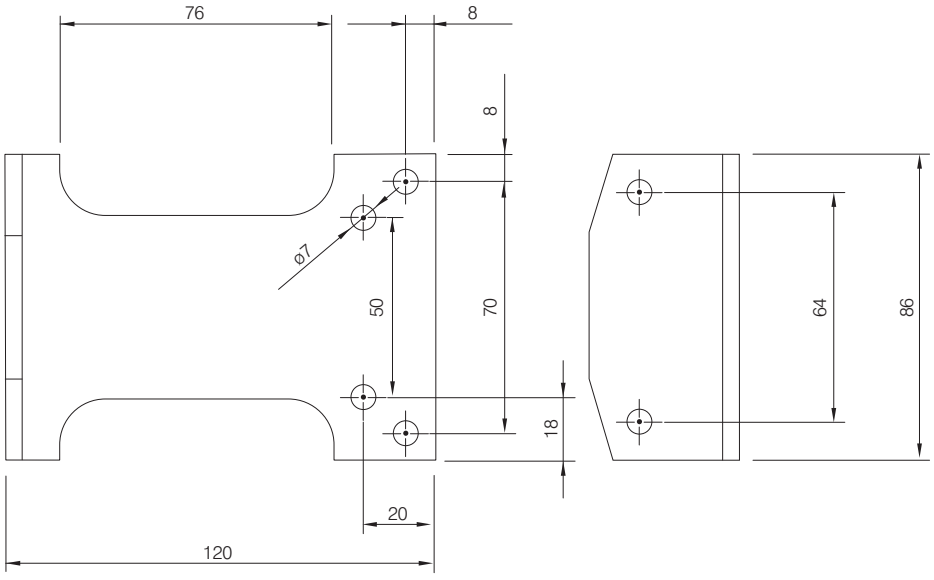
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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:15**
	SUB TITLE **PARALLEL BRACKET FOR FC-522-AL HOLD OPEN ARM - FC-526-AL**	







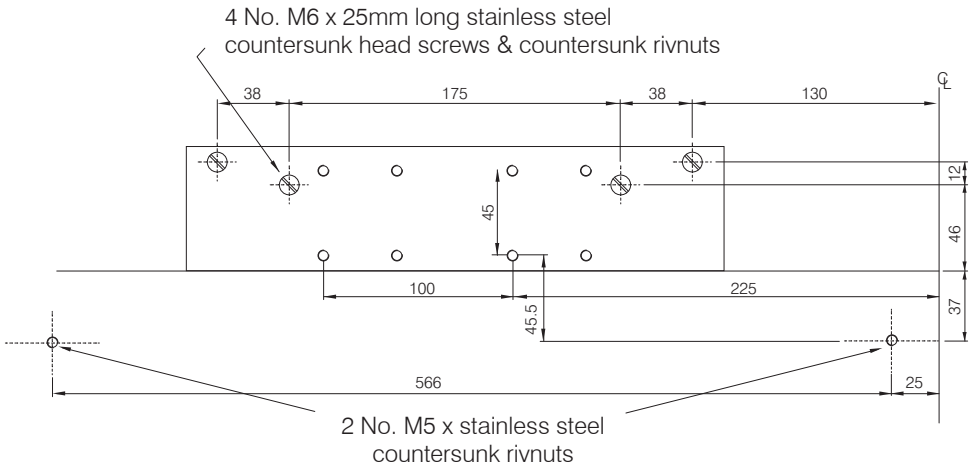
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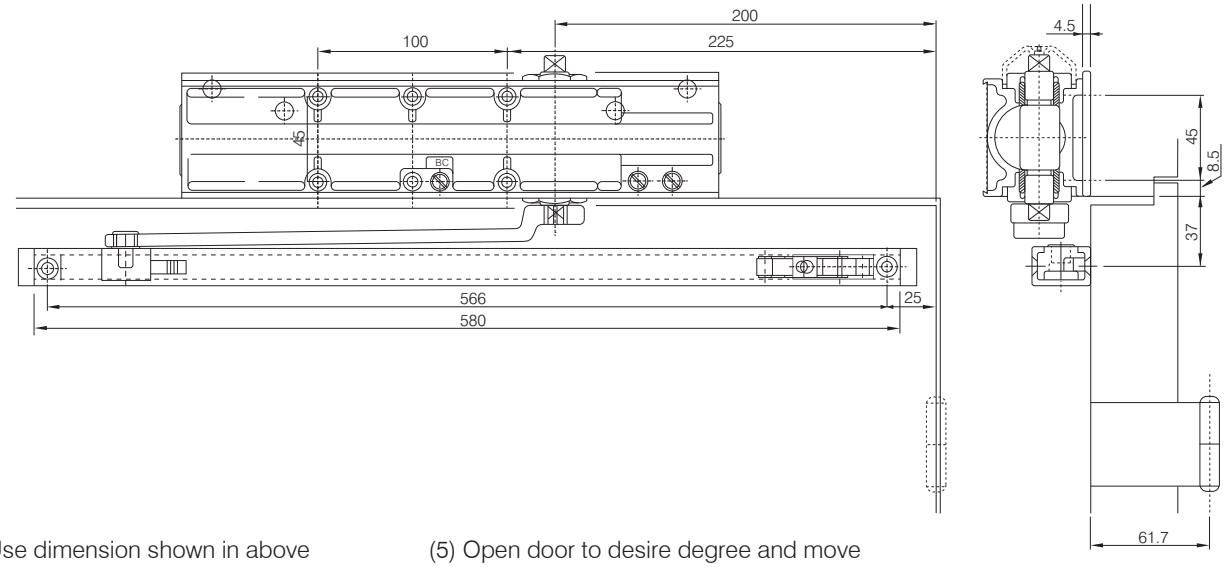
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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:16**
	SUB TITLE **TOP JAMB INSTALLATION**	





(1) Use dimension shown in above template to mark six holes on door for door closer and two holes for sliding channel.

(2) Drill holes in door for 4 - #10 wood screw or drill and tape for 4--M5 x 0.8 (10 x 24) machine screw.

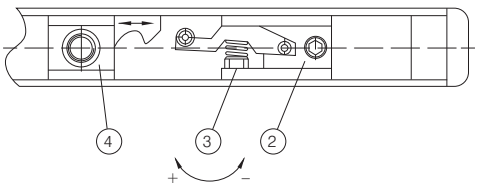
(3) Drill holes in frame for 2 - #10 wood screw or drill and tape for 2--M5 x 0.8 (10 x 24) machine screw.

(4) Mount closer and sliding channel, place arm on shaft about 55° from parallel position (as drawing), force arm to parallel position and use ⑤ screw to attached arm & ④ sliding block.

(5) Open door to desire degree and move the hold open device to be in touch with the sliding block. Tighten the ② adjustment screw.

(6) For adjusting hold-open force, pls adjust the ③ nut -- clockwise for increasing force & counterclockwise for decreasing. (③ nut can't be adjusted over 2 turns.)

Note: If hold open function is not necessary, please don't install the 'hold open device' into channel.



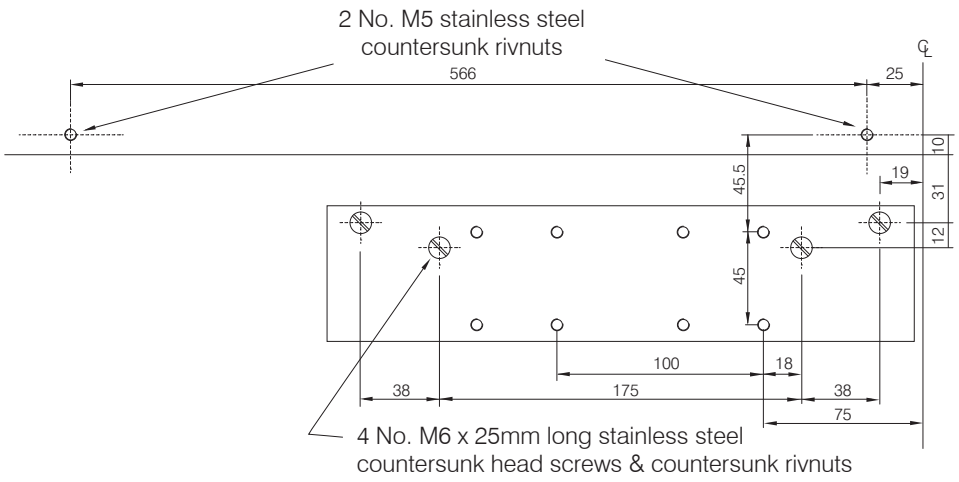
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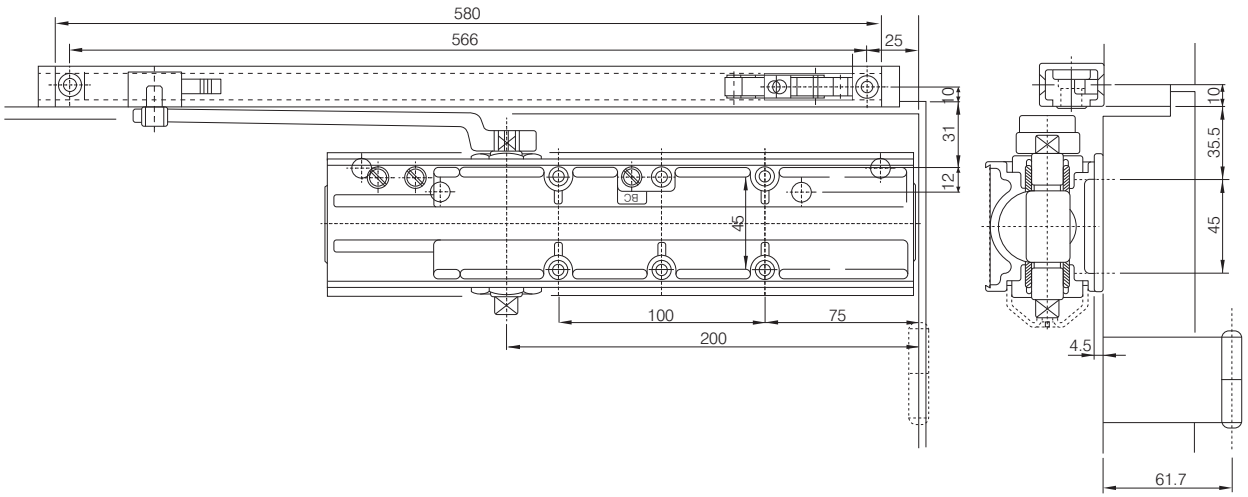
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Axim	TITLE **MULTI-STRENGTH CLOSER FC-1500 SERIES**	SHEET No. **3:17**
	SUB TITLE **PARALLEL INSTALLATION**	





(1) Use dimension shown in above template to mark six holes on door for door closer and two holes for sliding channel.

(2) Drill holes in door for 4 - #10 wood screw or drill and tape for 4--M5 x 0.8 (10 x 24) machine screw.

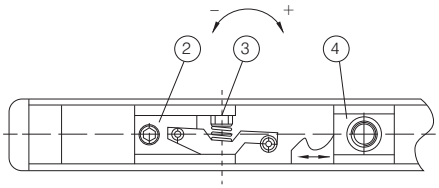
(3) Drill holes in frame for 2 - #10 wood screw or drill and tape for 2--M5 x 0.8 (10 x 24) machine screw.

(4) Mount closer and sliding channel, place arm on shaft about 55° from parallel position (as drawing), force arm to parallel position and use ⑤ screw to attached arm & ④ sliding block.

(5) Open door to desire degree and move the hold open device to be in touch with the sliding block. Tighten the ② adjustment screw.

(6) For adjusting hold-open force, pls adjust the ③ nut -- clockwise for increasing force & counterclockwise for decreasing. (③ nut can't be adjusted over 2 turns.)

Note: If hold open function is not necessary, please don't install the 'hold open device' into channel.



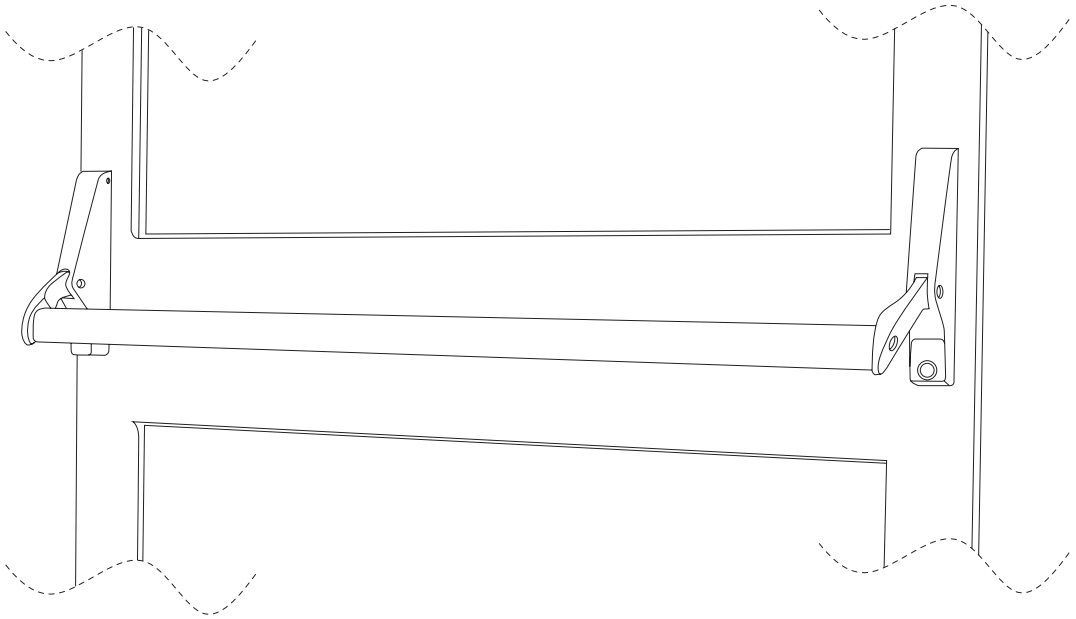
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Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:01**
	SUB TITLE **TECHNICAL INFORMATION PR-7085**	

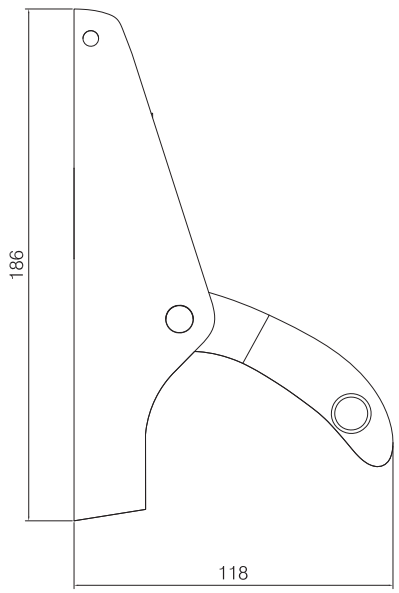


CONCEALED ROD, PANIC EXIT DEVICE

Heavy duty lever springs for durable operation of lever arms.
Meets the requirements of BS EN 1125.
Internal mechanism manufactured from stainless and plated steel.
8.5mm Diameter steel operating rods
16mm bolt throw.
Bolt length adjustable ensuring correct alignment.
Standard model suitable for doors 2135mm high x 1155mm wide.
300mm and 600mm coupling rods available for tall doors and 1220mm long crossbars for extra wide doors. Cross bars can be cut to suit exact width requirements.
Available with standard mortice rim cylinder, handle and mounting pad allowing operation from outside.
Permanent latch retention by either cylinder key from outside or concealed pins under levers.
Crossbars finishes in:-
Silver & Green (CB-742-GRN only) .
Housings and lever arms stoved, abrasive resistant finish to match anodised finishes.
Easy to follow instructions and full size templates supplied with every unit.

SUGGESTED SPECIFICATION

Concealed vertical rod panic exit devices shall be AXIM Series 7085.
Door shall be latched at top and bottom except during operation cycle or when held open using key or concealed dogging pin.
Exit device housings shall not exceed 118 x 186mm projection.
All mounting screws shall be concealed.
Heavy duty springs (to raise the crossbar) shall be used on each housing for durability.



ACCESSORIES

Rim cylinder for access from outside. (2 keys.)
Product Code:-
RC-785-AL - 46mm DOOR STILE - Silver
RC-785-DU - 46mm DOOR STILE - Dark Bronze
RC-785-BK - 46mm DOOR STILE - Black

Mounting pad for fixing rim cylinder.
Product codes:-
MP-786-AL - 46mm DOOR STILE - Silver
MP-786-DU - 46mm DOOR STILE - Dark Bronze
MP-786-BK - 46mm DOOR STILE - Black
MP-788-AL - 49mm DOOR STILE - Silver
MP-790-AL - 54mm DOOR STILE - Silver
MP-792-AL - 67mm DOOR STILE - Silver

Extension rod and coupler for tall doors.
Product Code:-
RE-712 - 300mm EXTENSION
RE-714 - 600mm EXTENSION
RE-716 - 1000mm EXTENSION

Push bar, 1500mm, for wide doors, cut to suit.
Product codes:-
CB-748-AL - 1219.2mm - CRASH BAR - Silver
CB-760-AL - 1524mm - CRASH BAR - Silver
Other finishes available to special order.

Dogging Pin
DP-713

Locking handle
LH-725-AL - 46mm DOOR STILE - Aluminium
LH-725-BK - 46mm DOOR STILE - Black
LH-730-AL - 49mm DOOR STILE - Aluminium
LH -740-AL - 54mm DOOR STILE - Aluminium
LH-745-AL - 67mm DOOR STILE - Aluminium
LH-760-AL - 64mm DOOR STILE - Aluminium
LH-760-AL - 64mm DOOR STILE - Aluminium
LH-775-AL - 75mm DOOR STILE - Aluminium

GUARANTEE

AXIM HANDLES ARE GUARANTEED FOR 12 MONTHS AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED.
AXIM RESERVE THE RIGHT TO UPDATE ITS PRODUCT SPECIFICATIONS WITHOUT PRIOR NOTICE.

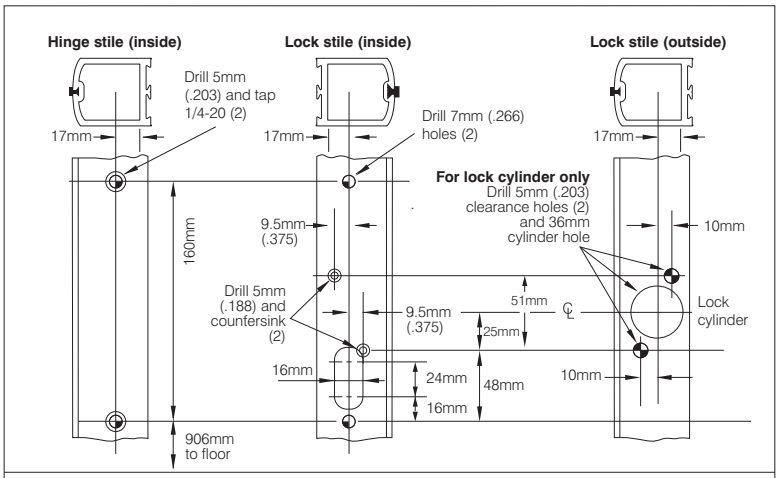
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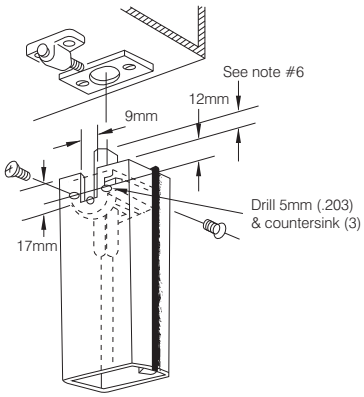
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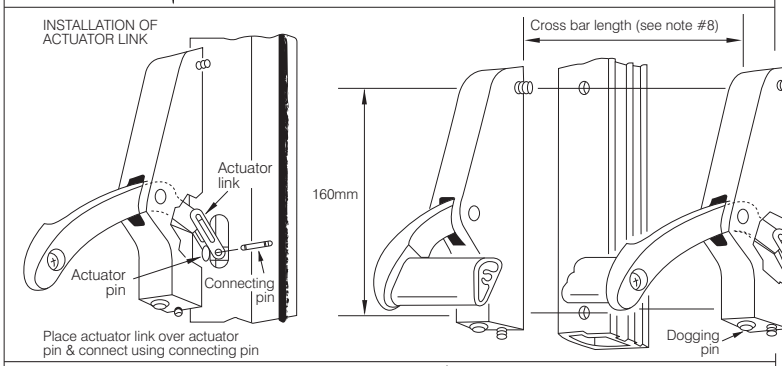
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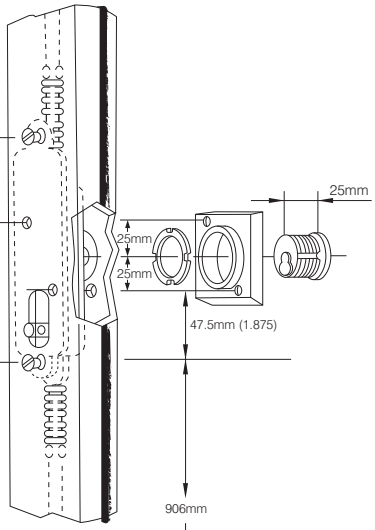
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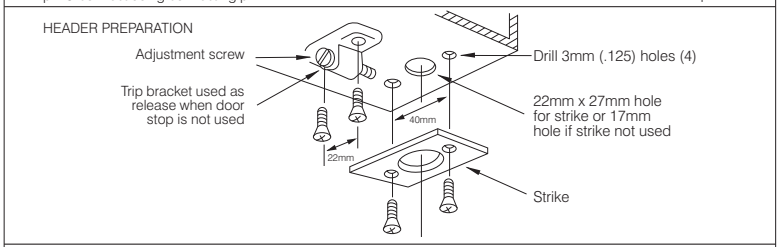
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	SUB TITLE **ASSEMBLY DETAILS PR-7085**	

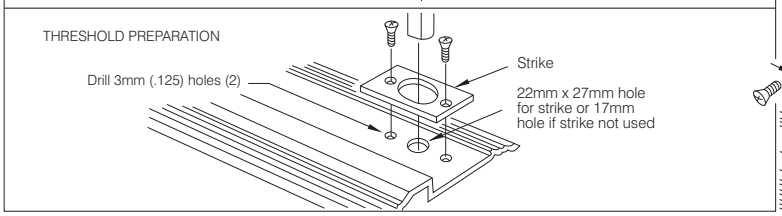


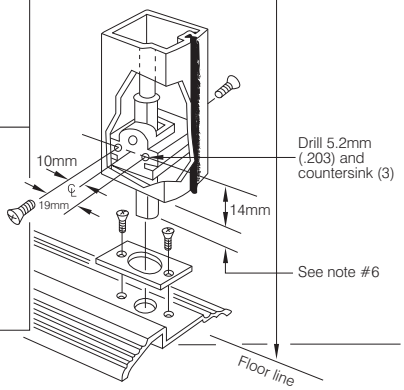












MOUNTING INSTRUCTIONS

1. Determine hand of door and prepare inside of lock and hinge stiles as show.
2. If Cylinder Key Lock is to be used, prepare inside and outside of lock stile as shown.
3. Insert Rod and Case Assembly into lock stile and secure with (2) 1/4-20 Shoulder Studs.
4. If Key Lock is used, insert Cylinder in Mounting Pad and secure with Locking Ring. Install using (2) #8-32x49mm Flat Head Machine Screws.
5. Position Exit Pad over stile and attach Actuator Link to Actuator Pin using Connecting Pin provided. Place on stile over 1/4-20 Shoulder Studs and tighten 3 Socket Head Set Screws to secure in place.
6. Adjust length of top and bottom Latch Bolts by turning in or out. When the Panic Arm is fully depressed, the Latch Bolts should be slightly recessed from flush with the top and bottom of the door. NOTE: Flat notch side of Bolt **must** face the outside of the door. Install top and bottom Latch Bolt Guides using (6) #10x13mm Flat Head Self-threading Screws.
7. Install (2) 1/4-20 Shoulder Studs on hinge stile. Place other Exit Pad over Studs and tighten 3 Socket Head Set Screws to secure in place.
8. Measure distance from inside edge to inside edge of Exit pads for proper Cross Bar length. Cut Cross Bar. CAUTION: Cross Bar length must be within ± 1mm for unit to function properly.
9. Loosen 3 Set Screws on hinge stile Exit Pad and install Cross Bar using (2) 1/4-20x25mm Oval Head Self-threading Screws. Tighten 3 Set Screws to secure in place.
10. Prepare header and threshold as shown. If Header and Threshold Strikes are required, install using (4) #8x25mm Flat Head All-purpose Screws.

DOGGING EXIT DEVICE USING DOGGING PIN:

Fully depress Cross Bar and hold, push up Dogging Pin with screwdriver and rotate 90° in either direction.

TO RELEASE EXIT DEVICE:

Hold Cross Bar down and rotate Dogging Pin with screwdriver in either direction until Dogging Pin releases.

DOGGING EXIT DEVICE USING CYLINDER KEY:

Fully depress Cross Bar and hold, turn Key clockwise approximately 60°, return Key to centre and remove.

TO RELEASE EXIT DEVICE:

Turn key counterclockwise 90°, return Key to centre and remove.

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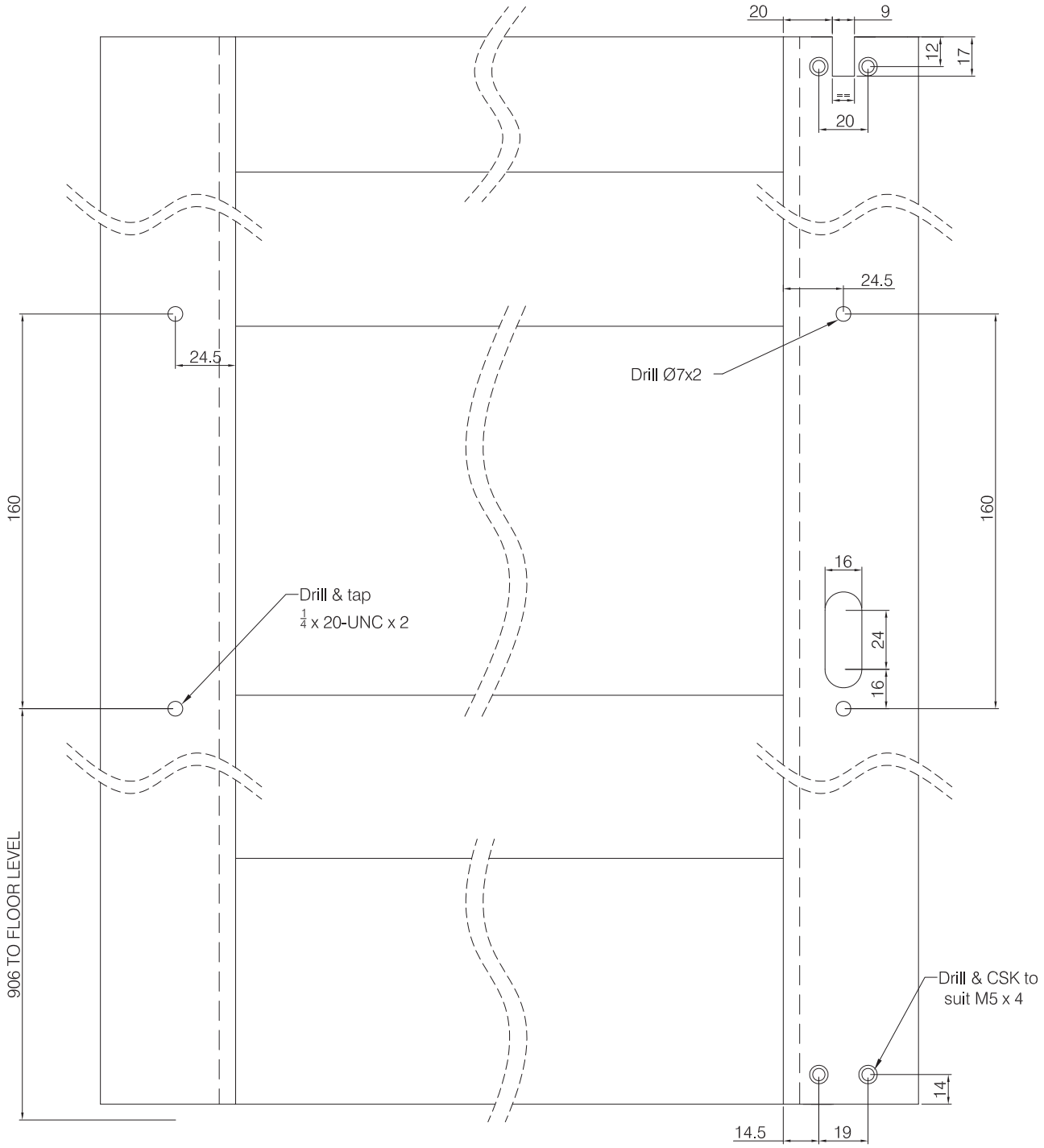
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Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:03**
	SUB TITLE **ASSEMBLY DETAILS PR-7085**	





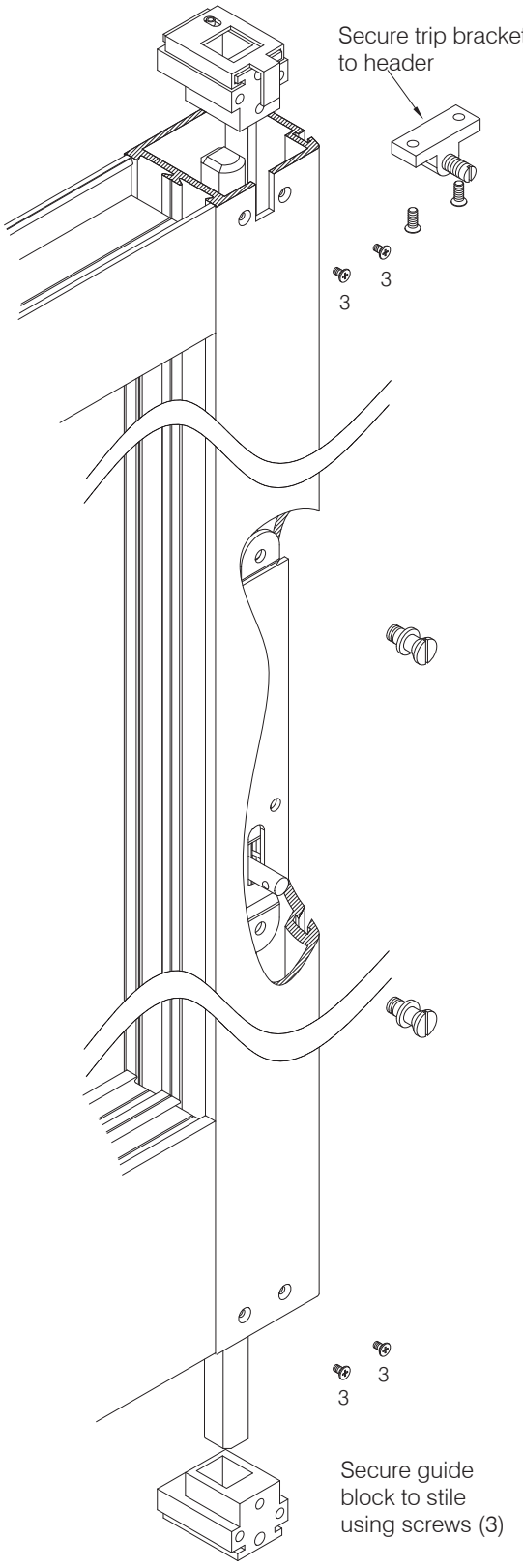
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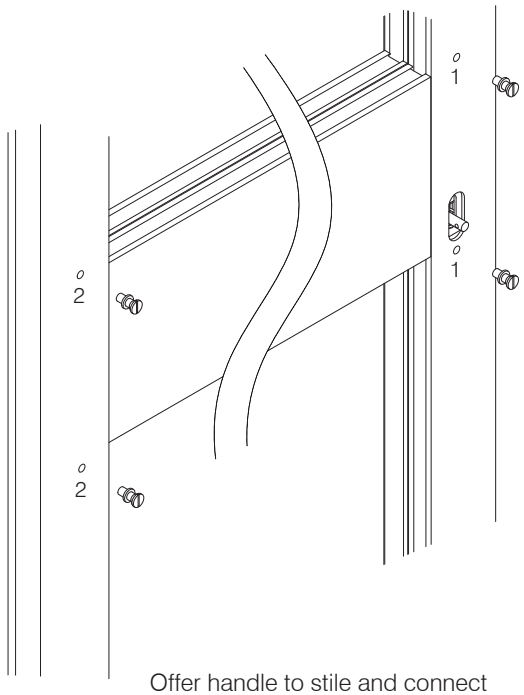
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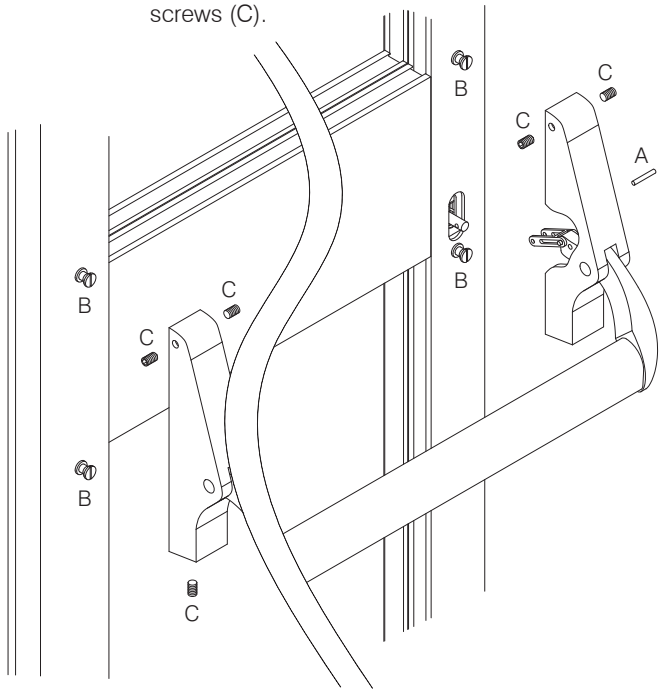
Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:04**
	SUB TITLE **ASSEMBLY DETAILS PR-7085**	



Secure fixing screws (1) thru stile into lock mechanism, and screws (2) into tapped holes in opposite stile.



Offer handle to stile and connect actuator link to actuator pin using connecting pin (A) provided. Position handle onto fixing screws (B) and secure using grub screws (C).



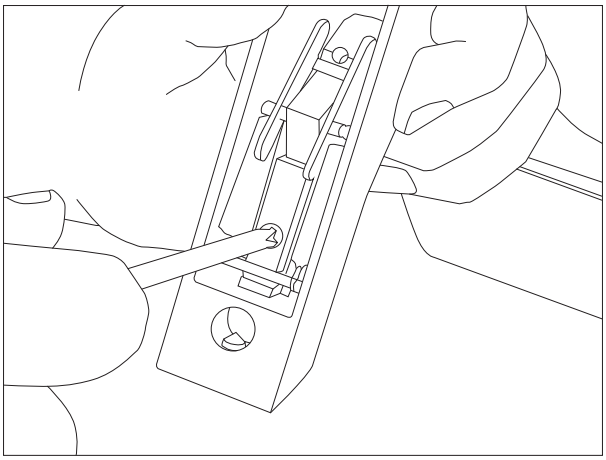
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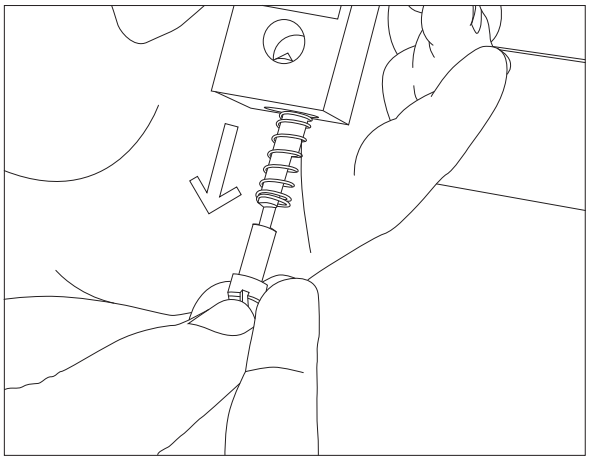
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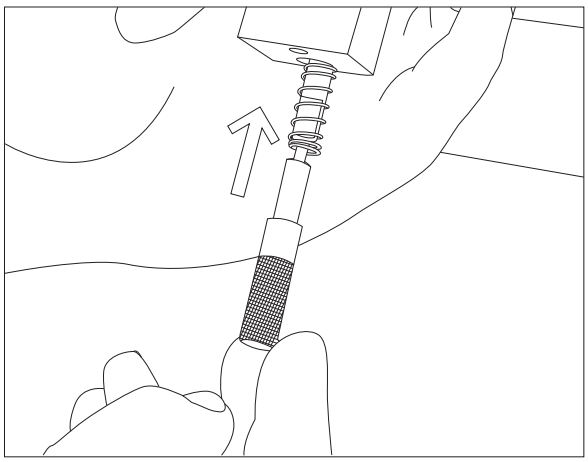
Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:05**
	SUB TITLE **FITTING GUIDE FOR DOGGING PIN DP-713**	



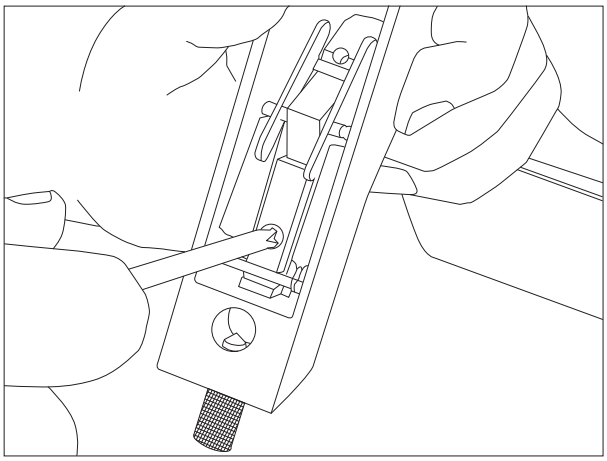
1) Remove securing screw in back of handle unit



2) Once securing screw is removed existing pin should be ejected by internal spring



3) Replace existing pin with knurled pin (retaining original spring)



4) Replace securing screw holding knurled pin in far enough that notch on dogging pin can locate on securing screw

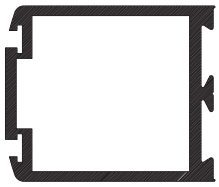
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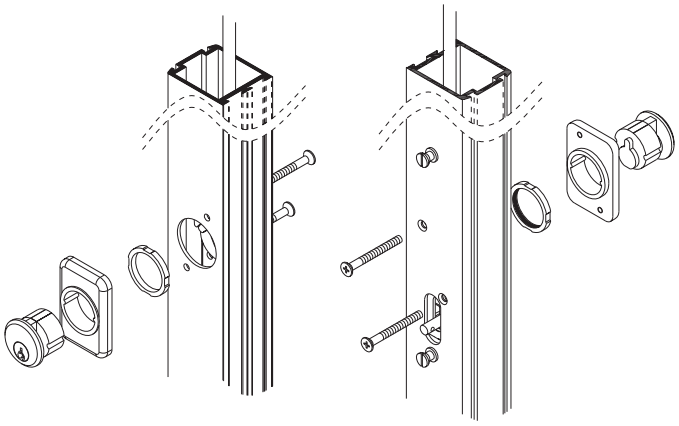
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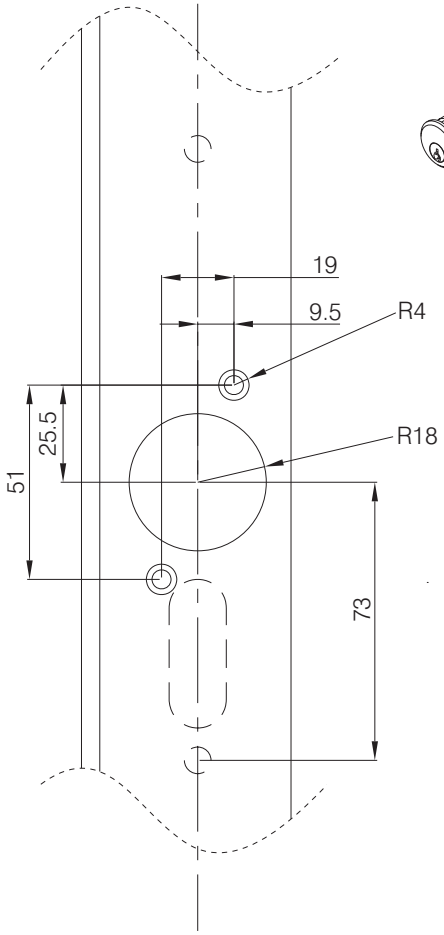
SCALE	NTS @A4
DATE	APRIL 2025

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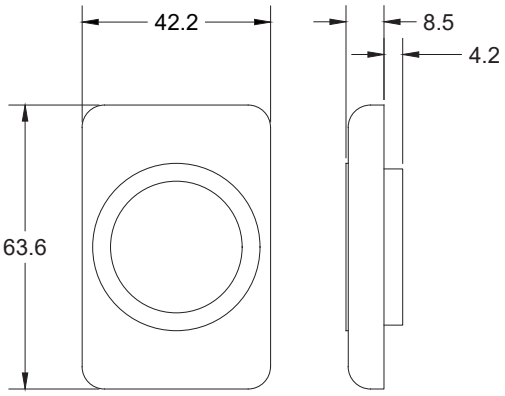
Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:06**
	SUB TITLE **RIM CYLINDERS PR-7085 LOCK BODY AND MOUNTING PAD DETAILS AND DIMENSIONS**	

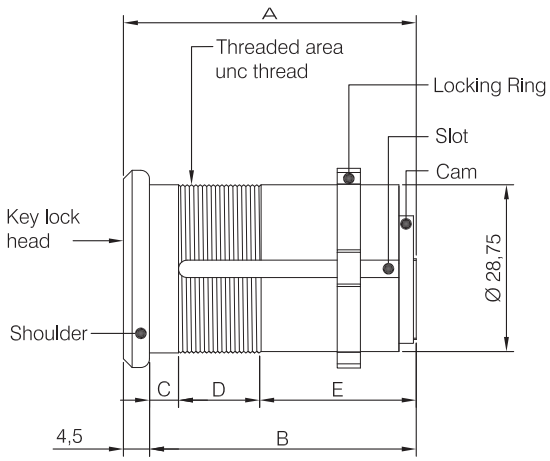


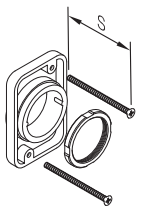




RC-785-AL Rim cylinder & mounting pad for use with 7085/7100 panic exit devices







Rim Cyliner table details		Mounting Pads	Screw Length
RC - 785			
A = 29.5	46mm Door Stile	MP786	S=50.5mm
B = 25.0			
C = 7.0			
D = 12.0			
E = 6.0			
RC - 787			
A = 32.5	49mm Door Stile	MP788	S=53.5mm
B = 28.6			
C = 5.0			
D= 13.0			
E = 10.0			
RC - 789			
A = 37.5	54mm Door Stile	MP790	S=57.5mm
B = 33.6			
C = 7.0			
D = 21.0			
E = 5.0			
RC - 791			
A = 53.5	67mm Door Stile	MP792	S=75.5mm
B = 49.0			
C = 5.0			
D = 14.0			
E = 27.0			

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LH-725 Locking handle
Key Controlled Outside trim for use with PR7085, PR7085P, and PR7100 concealed rod Panic Devices.

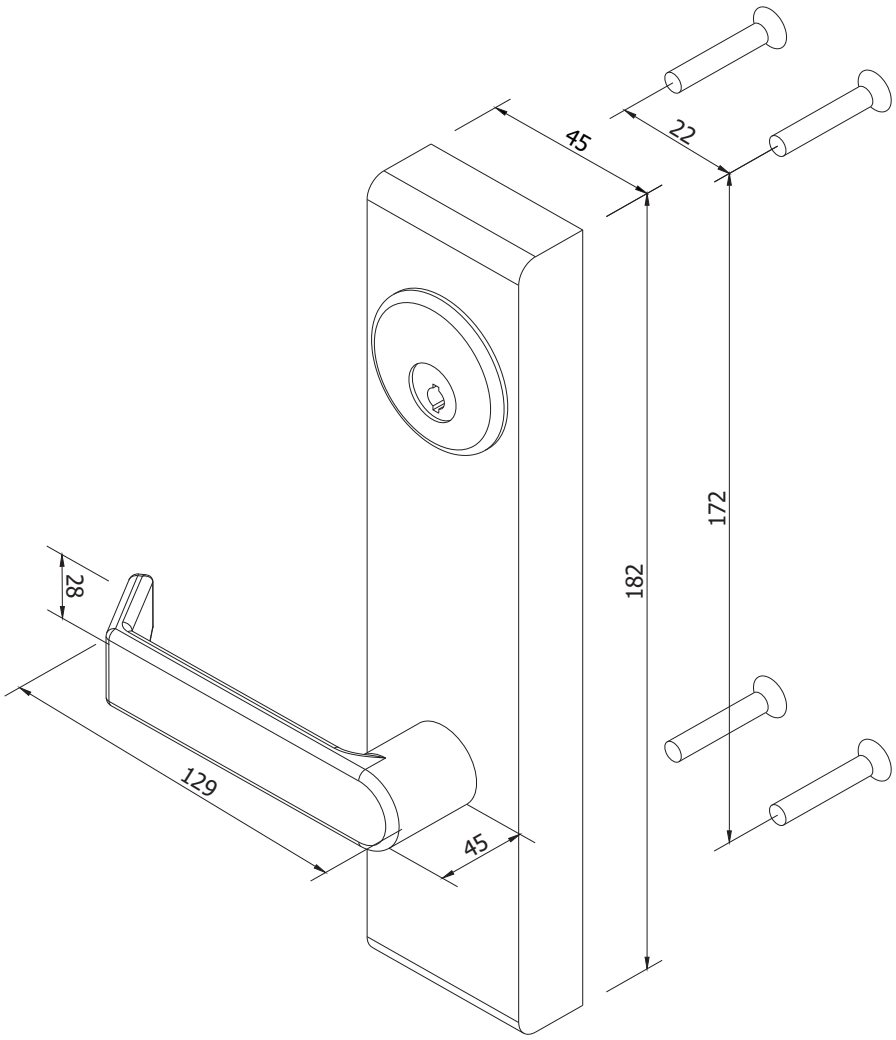
Uses Axim screw in Mortice cylinder with MS type CAM.

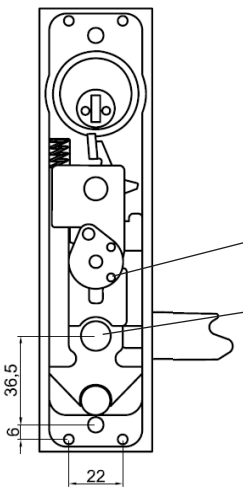
Not handed. (Field reversible).

All Axim Panic Exit Hardware is supplied with comprehensive instructions and full size templates for ease of installation.

Handle rotation 45° anti-clockwise from centre.
OR
Handle rotation 45° clockwise from centre.

See 4:08 for lock fitment.

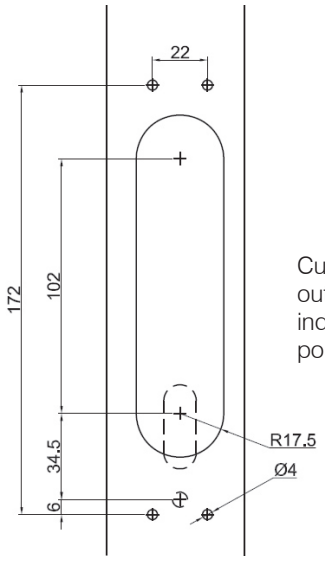




Ensure operating dowel is engaged in slot.

To change the hand of the trim, remove screw and reverse lever. Keep the black side of star washer facing upwards. Ensure screw is locked tight.

Ensure the cylinder and cam operate the lock arm prior to installation.



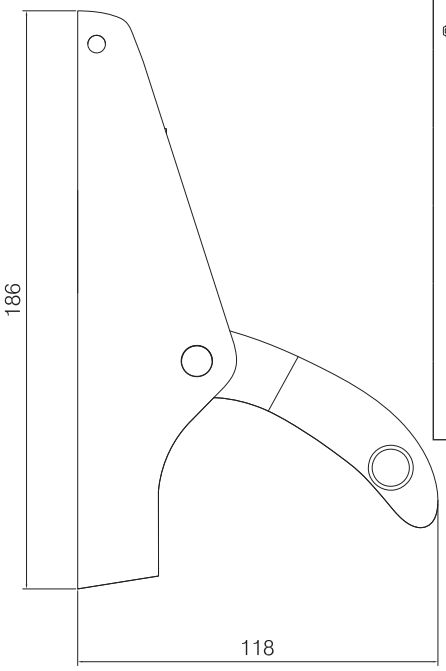
Cutting Prep to fit to outer face. Dashed lines indicate panic exit position (34.5 & 6).

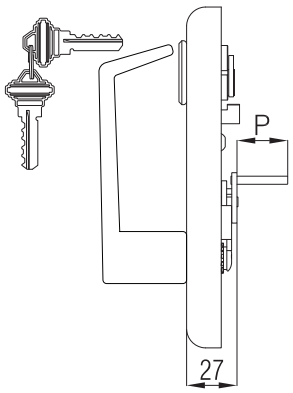
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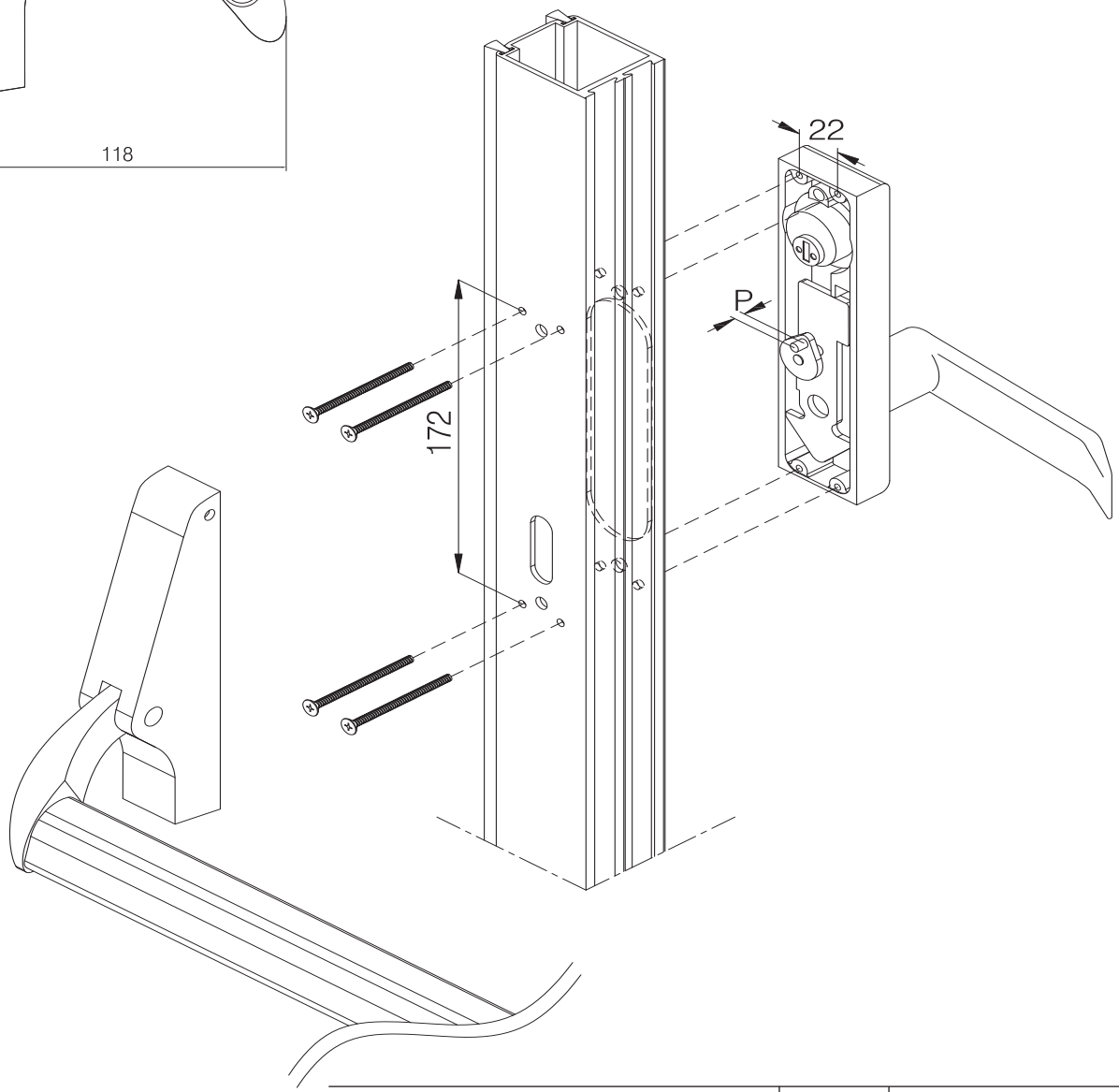
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Axim	TITLE **CONCEALED ROD CRASH BAR PR-7085 SERIES EXIT DEVICE**	SHEET No. **4:08**
	SUB TITLE **LOCKING HANDLES DETAILS AND DIMENSIONS LH-725 AND PR-7085 FABRICATION DETAIL**	





Locking Handle	Pin Length	Door Stile
LH-725	P = 6 mm	46mm
LH-730	P = 9 mm	49mm
LH-740	P = 14 mm	54mm
LH-745	P = 27 mm	67mm
LH-760	P = 23 mm	64mm
LH-775	P = 35 mm	75mm



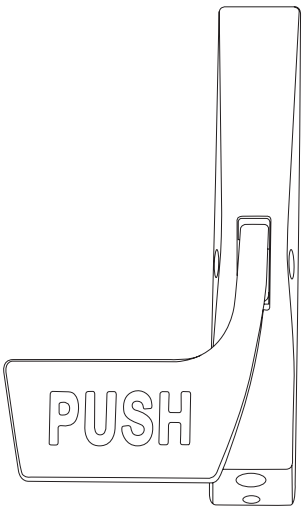
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Axim	TITLE **CONCEALED ROD PADDLE HANDLE PR-7085P SERIES EXIT DEVICE**	SHEET No. **4:09**
	SUB TITLE **TECHNICAL INFORMATION**	



RIGHT HANDED HANDLE
OPTION SHOWN

CONCEALED ROD, PANIC EXIT DEVICE

Heavy duty lever springs and internal mechanism for durable operation of lever and arm.

Plated steel and stainless steel components.

8.5mm diameter, steel locking rods with 16mm bolt throw.

Bolt length adjustable ensuring correct alignment.

Standard model suitable for all widths of doors and 2135mm high. 300mm and 600mm coupling rods are available for taller doors.

Available with standard mortice rim cylinder, handle and mounting pad allowing external access.

Permanent bolt retention for easy access can be achieved with cylinder key or dogging pin to the underside of the operating lever.

All Axim panic exit hardware is supplied with comprehensive instructions and full size templates for ease of installation.

MATERIAL FINISH

Lever Handles are satin chrome finish to complement most door colours and are clearly marked 'PUSH'.

BS EN 179

SUGGESTED SPECIFICATION

Concealed vertical rod panic exit devices with paddle handle fitted to inside face of door. Exit device to secure top and bottom of the door except during operation cycle or when rods are retracted with key or dogging pin.

Operating paddle handle and lever not to exceed 118mm x 186mm projection. All mounting screws to be concealed.

Handles and mechanisms will be fitted with heavy duty springs for durability. Ref; AXIM PR-7085P (hand as specified)

ACCESSORIES

Extension rod with coupling for doors over 2135mm high (plated steel)
Ref: RE-712 - 300mm Extension Rod
RE-714 - 600mm Extension Rod
RE-716 - 1000mm Extension Rod

Rim cylinder for access from outside
RC-795-AL - 46mm TO 54mm DOOR STILE - Silver
RC-795-AL-S - 46mm TO 54mm DOOR STILE - Silver
RC-785-DU - 46mm DOOR STILE - Bronze
RC-785-BK - 46mm DOOR STILE - Black
RC-787-AL - 46mm DOOR STILE - Silver
RC-789-AL - 54mm DOOR STILE - Silver
RC-791-AL - 67mm DOOR STILE - Silver

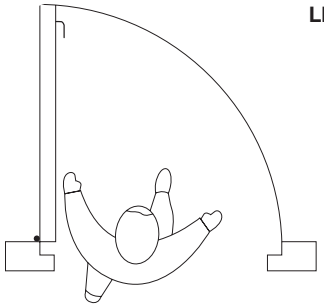
Cylinder mounting pad for above including fixings
MP-786-AL - 46mm DOOR STILE - Silver
MP-786-DU - 46mm DOOR STILE - Bronze
MP-786-BK - 46mm DOOR STILE - Black

Paddle handle housing unit
PH-785-AL-LH - LEFT HAND - Silver
PH-785-AL-RH - RIGHT HAND - Silver

Dogging pin
DP-713

Locking handles
LH-725-AL - 46mm - Silver
LH-725-BK - 46mm - Black
LH-730-AL - 49mm - Silver
LH-740-AL - 54mm - Silver
LH-745-AL - 67mm - Silver
LH-775-AL - 75mm - Silver

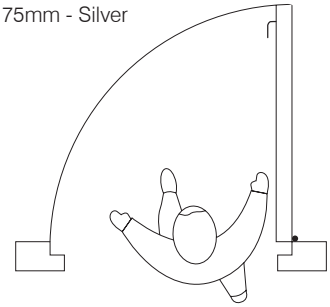
RIGHT HAND DOOR



OUTSIDE

INSIDE

LEFT HAND DOOR



GUARANTEE

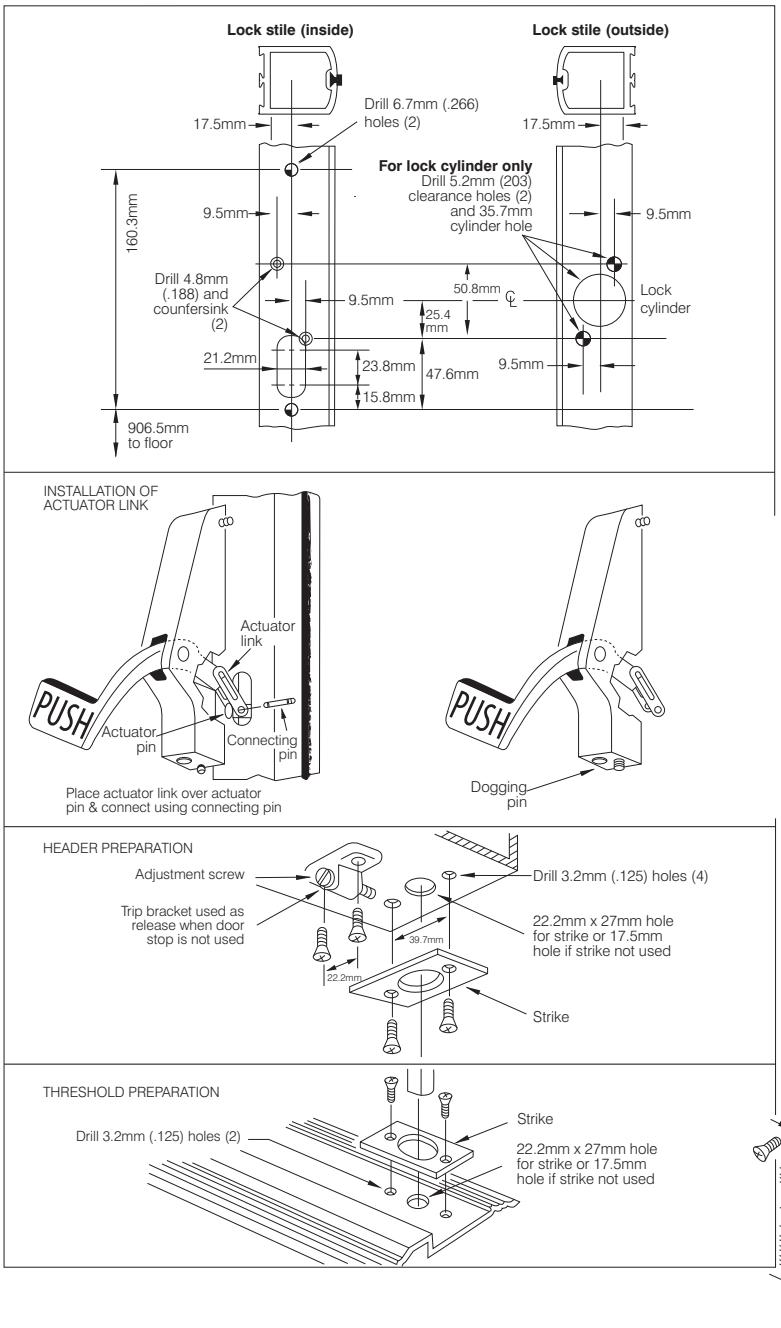
AXIM HANDLES ARE GUARANTEED FOR 12 MONTHS AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED.
AXIM RESERVE THE RIGHT TO UPDATE ITS PRODUCT SPECIFICATIONS WITHOUT PRIOR NOTICE.

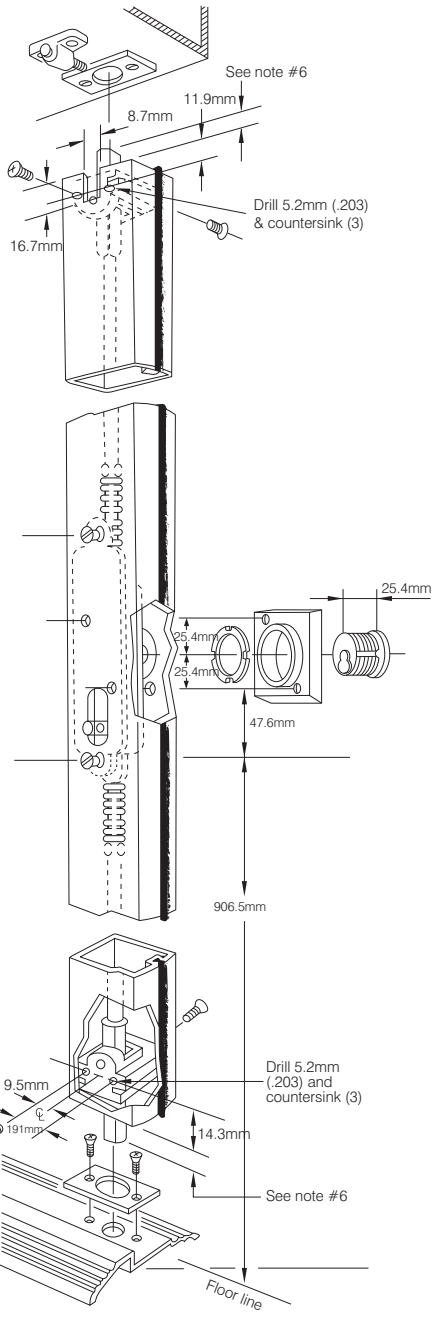
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MOUNTING INSTRUCTIONS

1. Determine hand of door and prepare inside of lock and hinge stiles as show.
2. If Cylinder Key Lock is to be used, prepare inside and outside of lock stile as shown.
3. Insert Rod and Case Assembly into lock stile and secure with (2) 1/4-20 Shoulder Studs.
4. If Key Lock is used, insert Cylinder in Mounting Pad and secure with Locking Ring. Install using (2) #8-32x1-23.8mm Flat Head Machine Screws.
5. Position Exit Pad over stile and attach Actuator Link to Actuator Pin using Connecting Pin provided. Place on stile over 1/4-20 Shoulder Studs and tighten 3 Socket Head Set Screws to secure in place.
6. Adjust length of top and bottom Latch Bolts by turning in or out. When the Panic Arm is fully depressed, the Latch Bolts should be slightly recessed from flush with the top and bottom of the door. NOTE: Flat notch side of Bolt **must** face the outside of the door. Install top and bottom Latch Bolt Guides using (6) #10x12.7mm Flat Head Self-threading Screws.
7. Install (2) 1/4-20 Shoulder Studs on hinge stile. Place other Exit Pad over Studs and tighten 3 Socket Head Set Screws to secure in place.
8. Prepare header and threshold as shown. If Header and Threshold Strikes are required, install using (4) #8x9.5mm Flat Head Self-threading Screws or (4)#8x25.4mm Flat Head All-purpose screws.

DOGGING EXIT DEVICE USING DOGGING PIN:

Fully depress push paddle and hold, push up Dogging Pin with screwdriver and rotate 90° in either direction.

TO RELEASE EXIT DEVICE:

Hold push paddle down and rotate Dogging Pin with screwdriver in either direction until Dogging Pin releases.

DOGGING EXIT DEVICE USING CYLINDER KEY:

Fully depress push paddle and hold, turn Key clockwise approximately 60°, return Key to centre and remove.

TO RELEASE EXIT DEVICE:

Turn key counterclockwise 90°, return Key to centre and remove.

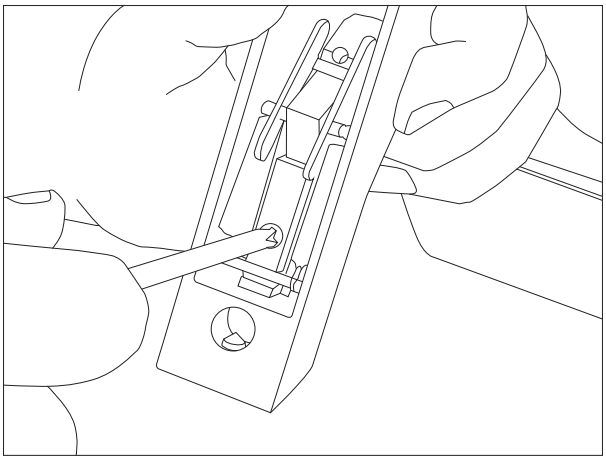
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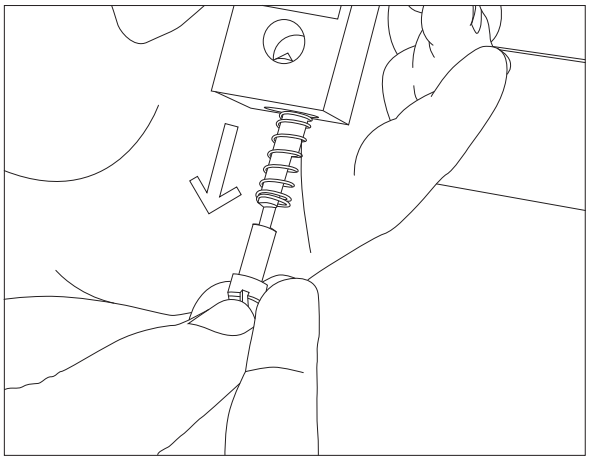
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DATE	APRIL 2025

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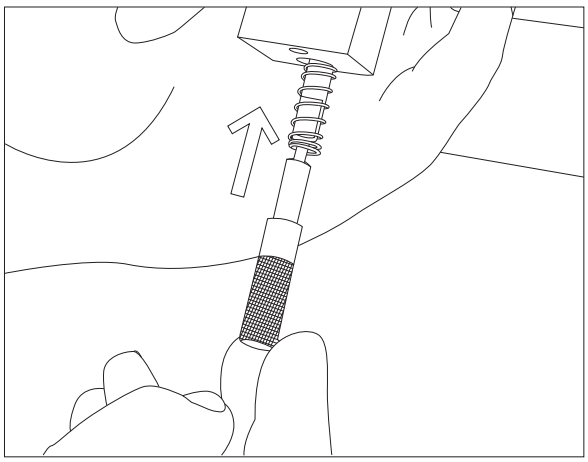
Axim	TITLE **CONCEALED ROD PADDLE HANDLE PR-7085P SERIES EXIT DEVICE**	SHEET No. **4:11**
	SUB TITLE **FITTING GUIDE FOR DOGGING PIN DP-713**	



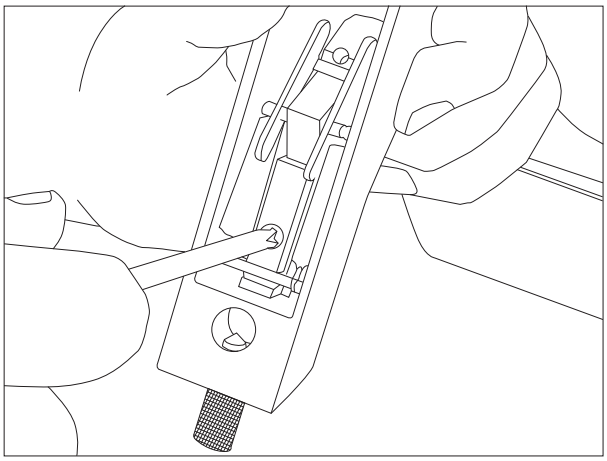
1) Remove securing screw in back of handle unit



2) Once securing screw is removed existing pin should be ejected by internal spring



3) Replace existing pin with knurled pin (retaining original spring)



4) Replace securing screw holding knurled pin in far enough that notch on dogging pin can locate on securing screw

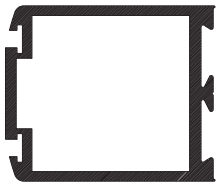
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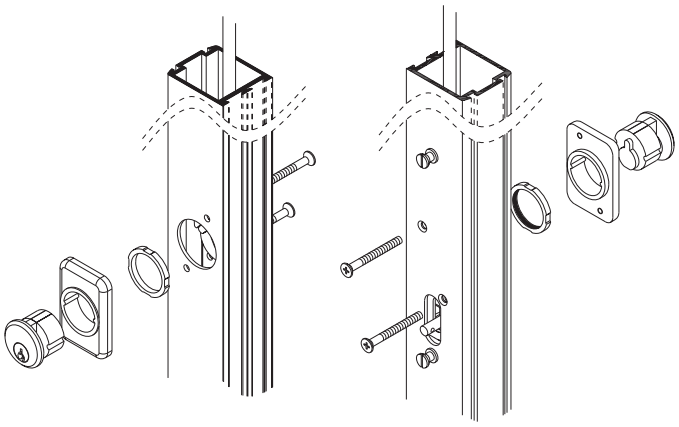
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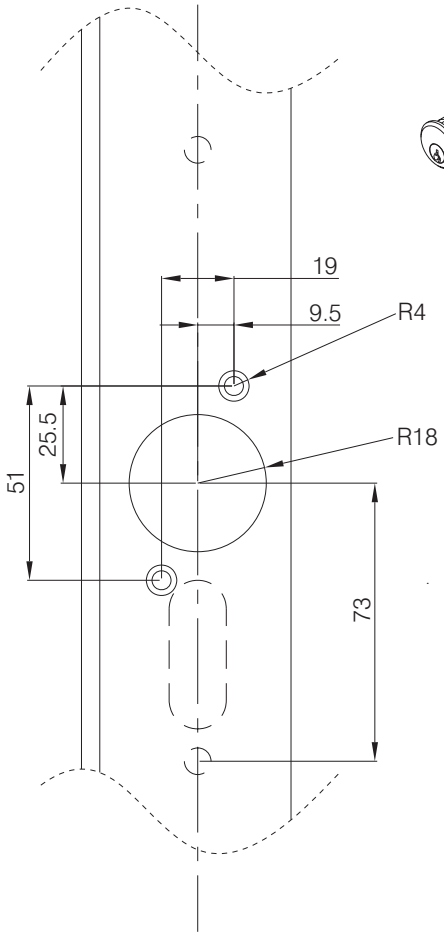
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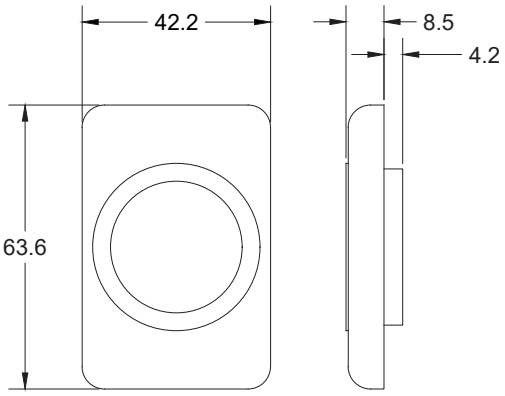
Axim	TITLE: **CONCEALED ROD PADDLE HANDLE PR-7085P SERIES EXIT DEVICE**	SHEET No. **4:12**
	SUB TITLE: **RIM CYLINDERS PR-7085P LOCK BODY AND MOUNTING PAD DETAILS AND DIMENSIONS**	

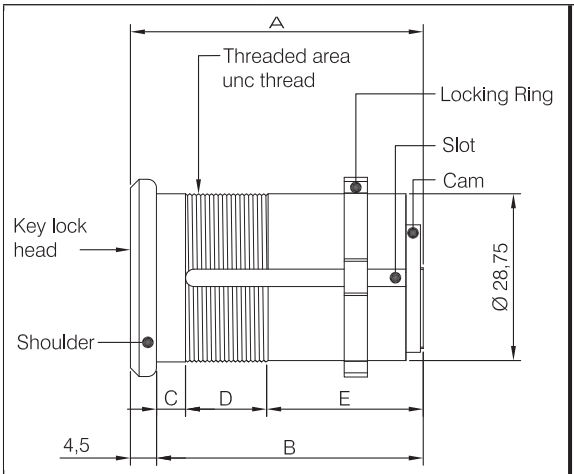


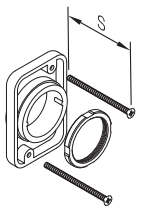




RC-785-AL Rim cylinder & mounting pad for use with 7085/7100 panic exit devices







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Axim	TITLE: **CONCEALED ROD PADDLE HANDLE PR-7085P SERIES EXIT DEVICE**	SHEET No. **4:13**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE FOR PR7085, PR7085P & PR7100 EXIT DEVICES**	

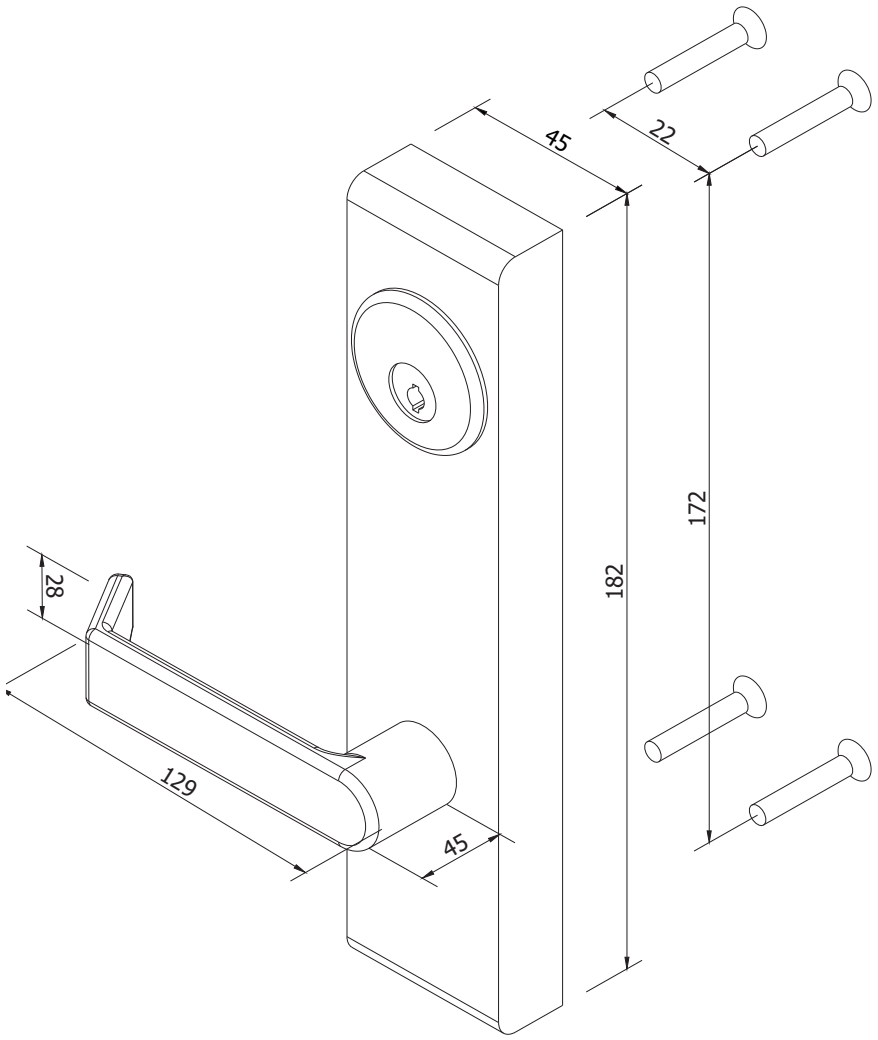
LH-725 Locking handle
Key Controlled Outside trim for use with PR7085, PR7085P, and PR7100 concealed rod Panic Devices.

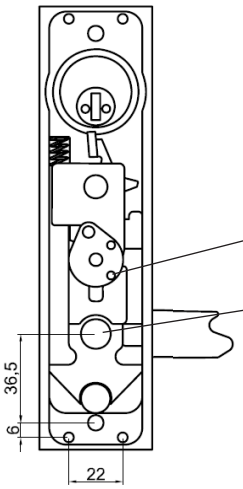
Uses Axim screw in Mortice cylinder with MS type CAM.

Not handed. (Field reversible).

All Axim Panic Exit Hardware is supplied with comprehensive instructions and full size templates for ease of installation.

Handle rotation 45° anti-clockwise from centre.
OR
Handle rotation 45° clockwise from centre.

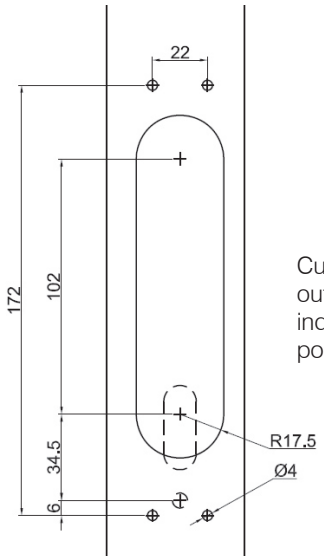




Ensure operating dowel is engaged in slot.

To change the hand of the trim, remove screw and reverse lever. Keep the black side of star washer facing upwards. Ensure screw is locked tight.

Ensure the cylinder and cam operate the lock arm prior to installation.



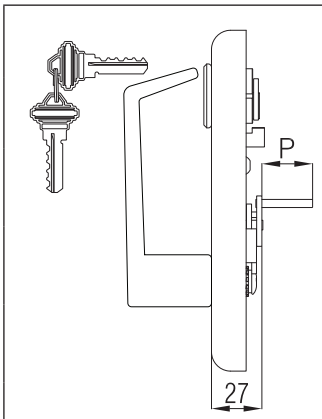
Cutting Prep to fit to outer face. Dashed lines indicate panic exit position (34.5 & 6).

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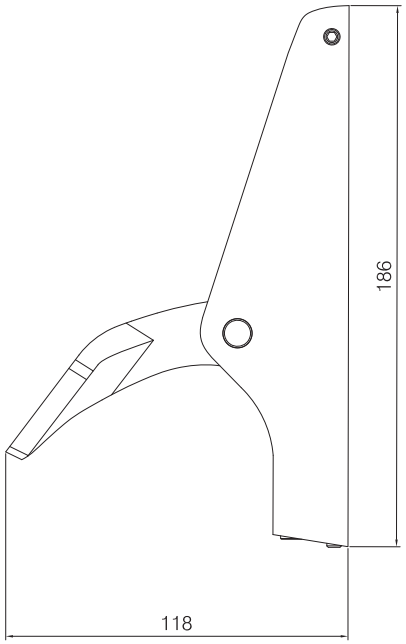
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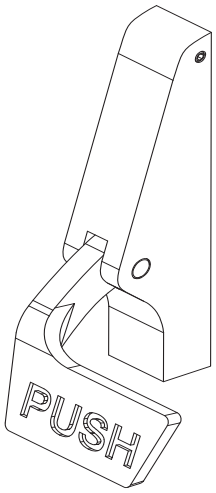
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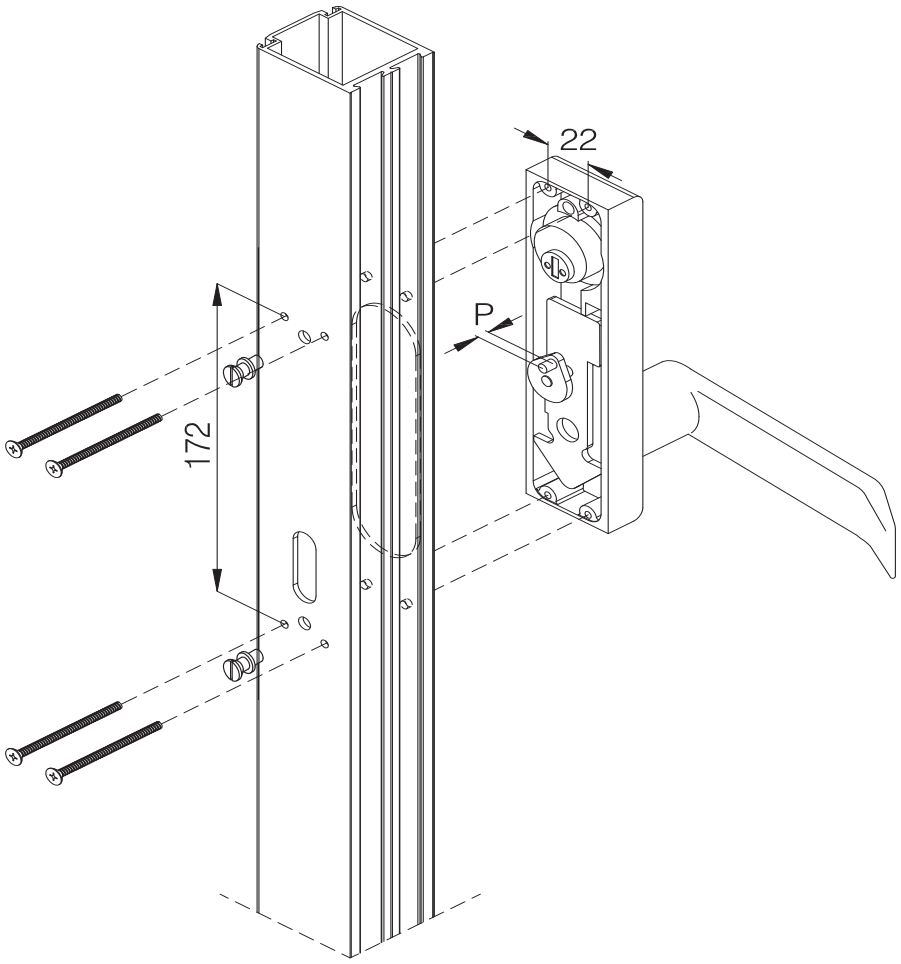
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Locking Handle	Pin Length	Door Stile
LH-725	P = 6 mm	46mm
LH-730	P = 9 mm	49mm
LH-740	P = 14 mm	54mm
LH-745	P = 27 mm	67mm
LH-760	P = 23 mm	64mm
LH-775	P = 35 mm	75mm







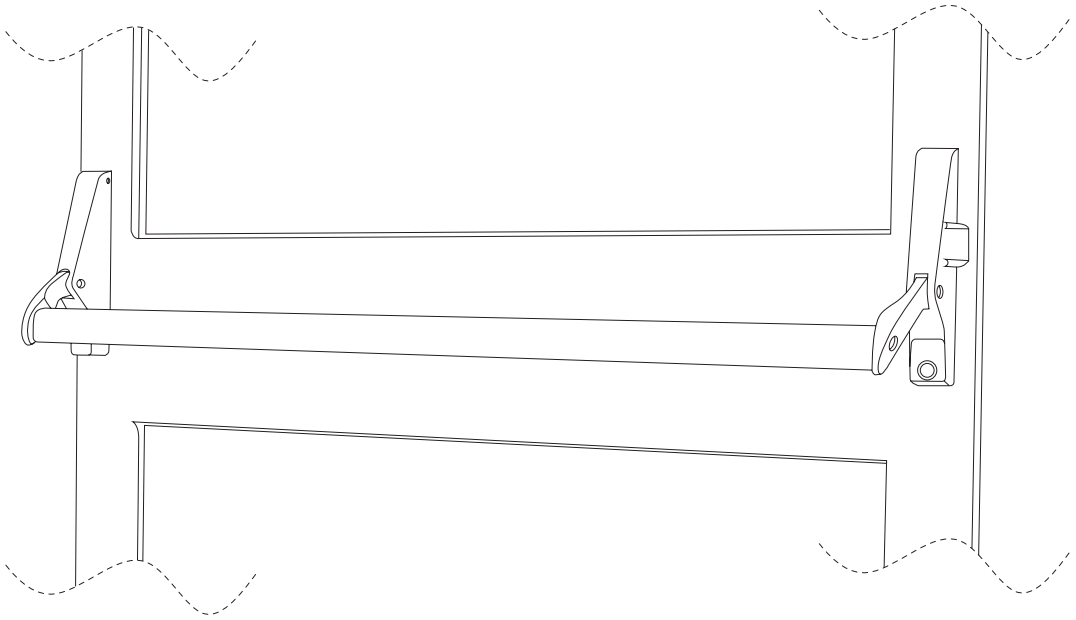
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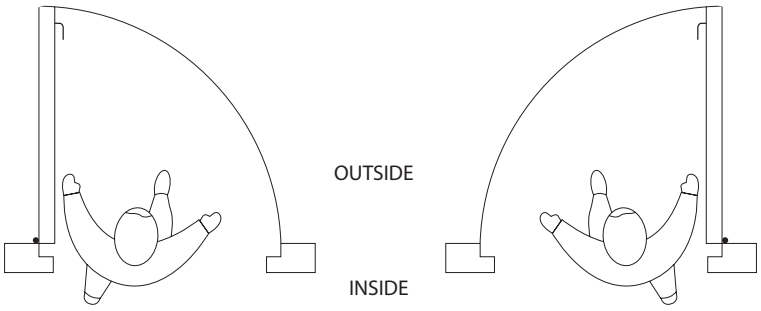
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Axim	TITLE **RIM-MOUNTED CRASH BAR PR-7095 SERIES EXIT DEVICE**	SHEET No. **4:15**
	SUB TITLE **TECHNICAL INFORMATION**	



RIGHT HAND DOOR

LEFT HAND DOOR



RIM MOUNTED, PANIC EXIT DEVICE

Matching active and in-active housings to present a balanced appearance.
Housings assembled to be right or left handed. Please check handing and specify when ordering.
Heavy duty lever springs for durable operation of lever arms.
Hardened latch bolt for added security.
Narrow width, surface mounted strike supplied, adjustable after installation.
Standard model suitable for doors of up to 1155mm wide.
1500mm long crossbars available for extra wide doors. Cross bars can be cut to suit exact requirement.
Available with standard rim cylinder that can be fitted directly to the door allowing operation from the outside.
Permanent latch retention by either cylinder key from outside or concealed pins under levers.
Crossbars finishes in:-
Silver & Green (CB-742-GRN only).
Housings and lever arms stoved, abrasive resistant finish to match anodised finishes.
Easy to follow instructions and full size templates supplied with every unit.

Certified to BS EN 1125

ACCESSORIES
Rim cylinder for access from outside. (2 keys.)
RC-795-AL - 46mm to 54mm DOOR STILE - Silver
RC-795-DU - 46mm to 54mm DOOR STILE - Bronze
RC-795-BK - 46mm to 54mm DOOR STILE - Black
RC-795-AL-S - 46mm to 54mm DOOR STILE - Silver
RC-797-AL - 46mm to 67mm DOOR STILE - Silver
RC-797-AL-S - 46mm to 67mm DOOR STILE - Silver

Push bar, 1500mm. For wide doors cut to suit.
CB-742-AL - 1066.8mm - CRASH BAR - Silver
CB-748-AL - 1219.2mm - CRASH BAR - Silver
CB-760-AL - 1524mm - CRASH BAR - Silver
Other finishes available to special order.

Paddle handle
PR-7095-AL-L - Left hand - Silver
PR-7095-AL-R - Right hand - Silver
PR-7095-P-AL-LH - Left hand - Silver
PR-7095-P-AL-RH - Right hand - Silver
Other finishes available to special order.

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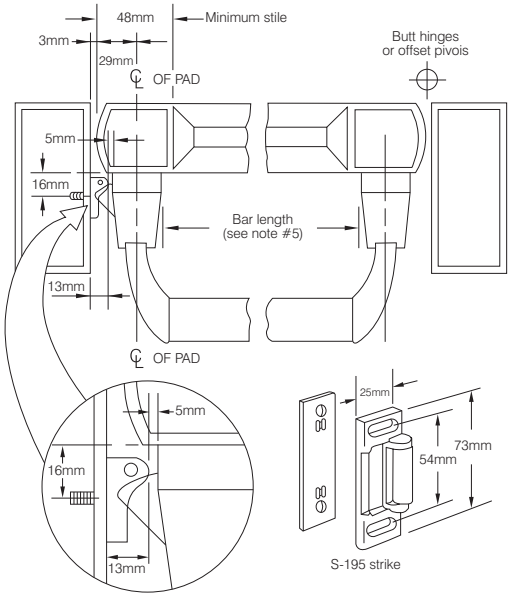
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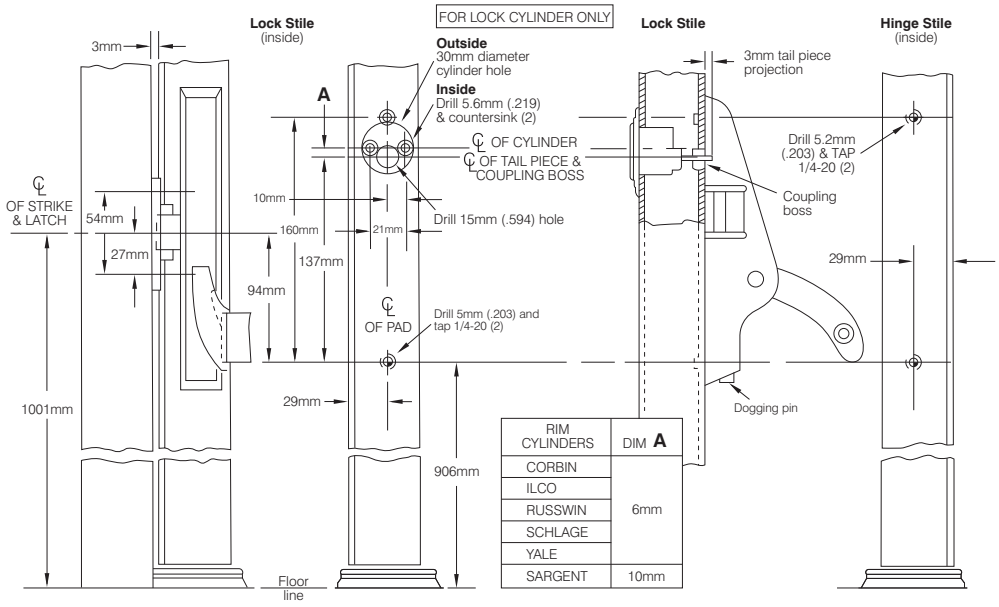
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Axim	TITLE **RIM-MOUNTED CRASH BAR PR-7095 SERIES EXIT DEVICE**	SHEET No. **4:16**
	SUB TITLE **INSTALLATION INSTRUCTIONS PR-7095**	

L.H.R.B. Door shown





RIM CYLINDERS	DIM A
CORBIN	6mm
ILCO	
RUSSWIN	
SCHLAGE	
YALE	
SARGENT	10mm

Preparation

1. Determine hand of door and prepare inside of lock and hinge stiles as show.
2. If cylinder Key Lock is to be used, prepare inside and outside of lock stile as shown.
   - A Cut Spindle of Rim Cylinder to project thru the door 3mm Install Rim Cylinder and secure with (2) 12-24x29mm Machine Screws NOTE: Screw heads must be flush.
   - B Determine Function of Key Cylinder:
     - (1) STANDARD: Key removable in either locked or unlocked position. With Latch fully released, rotate Coupling Boss so index mark is up.
     - (2) NIGHT LATCH: Key removable in locked position only. With latch fully released, rotate Coupling Boss 90º towards hinge side.
3. Install (2) 1/4-20 Shoulder Studs on lock stile and position Exit Latch Pad over Studs and insert Cylinder Spindle into Coupling Boss. Place Pad over Studs and tighten 3 Socket Head Set Screws to secure in place.
4. Install (2) 1/4-20 Shoulder Studs on hinge stile and place other Exit Pad over Studs and tighten 3 Socket Head Set Screws to secure in place.
5. Measure distance from inside edge to inside edge of Exit Pads for proper Cross Bar length. Cut Cross Bar. CAUTION: Cross Bar length must be within ± 1mm for unit to function properly.
6. Loosen 3 Set Screws on hinge stile Exit Pad and install Cross Bar using (2) 1/4-20 x25mm Oval Head Self-threading Screws. Tighten 3 Set Screws to secure in place.
7. Prepare lock jamb for Strike as shown and install using (2) #10 x 13mm Flat Head Self-threading Screws or #10 x 32mm All-purpose Screws.

DOGGING EXIT DEVICE USING <u>DOGGING PIN:</u>

Fully depress Cross Bar and hold, push up Dogging Pin with screwdriver and rotate 90º in either direction.

TO RELEASE EXIT DEVICE:

Hold Cross Bar down and rotate Dogging Pin with screwdriver in either direction until Dogging Pin releases.

DOGGING EXIT DEVICE USING <u>CYLINDER KEY:</u>

Turn Key toward hinge side approximately 360°.

TO RELEASE EXIT DEVICE:

Turn Key toward latch side approximately 360°.

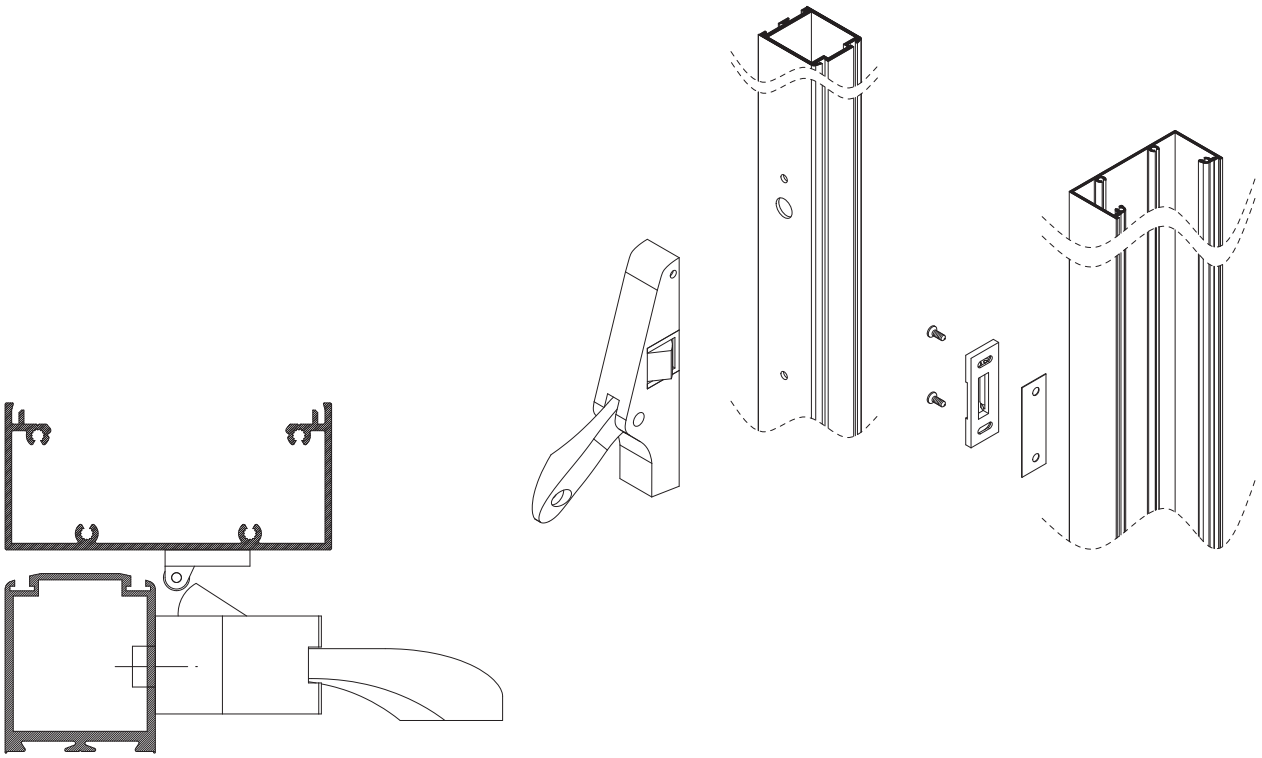
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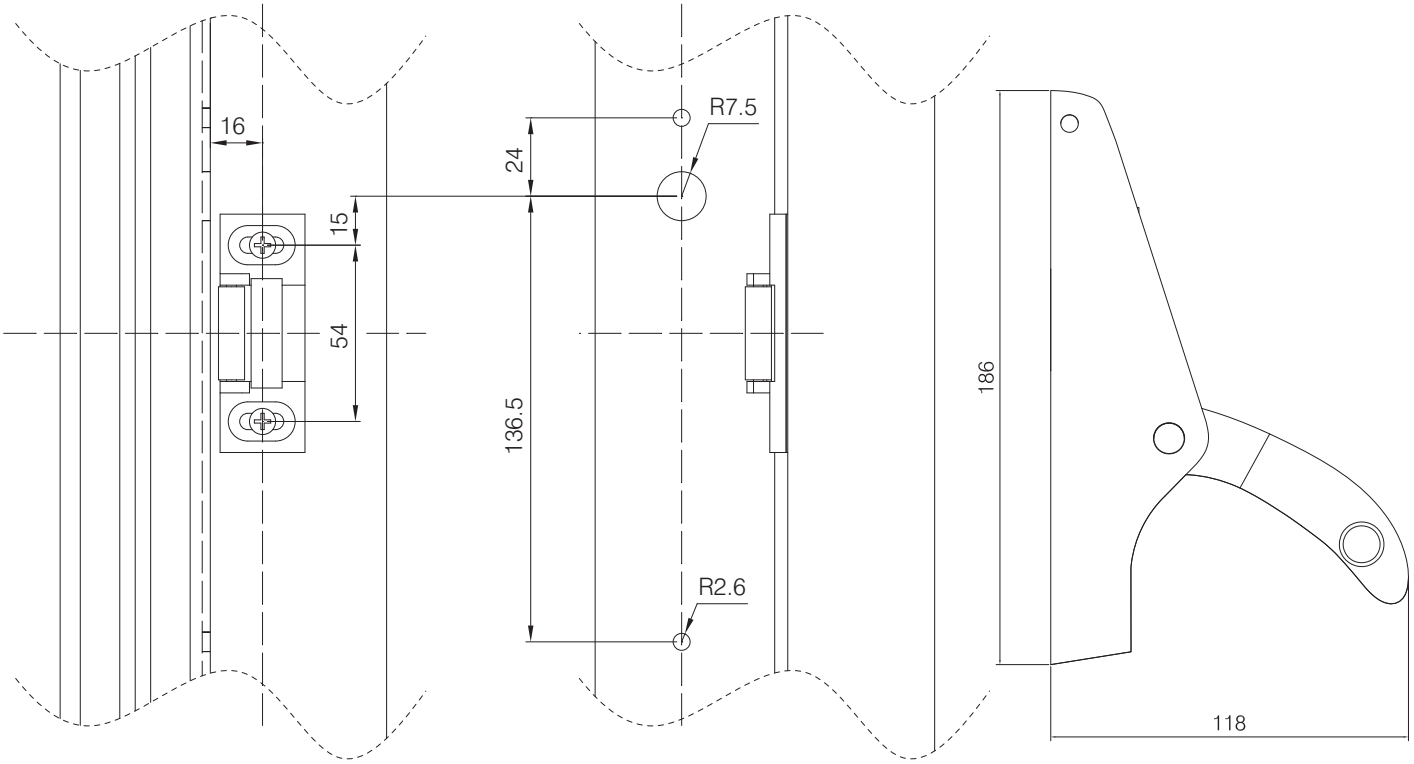
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Axim	TITLE **RIM-MOUNTED CRASH BAR PR-7095 SERIES EXIT DEVICE**	SHEET No. **4:17**
	SUB TITLE **RIM MOUNTED CRASH BAR PANIC EXIT DEVICE PR-7095**	





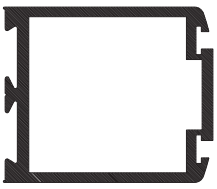
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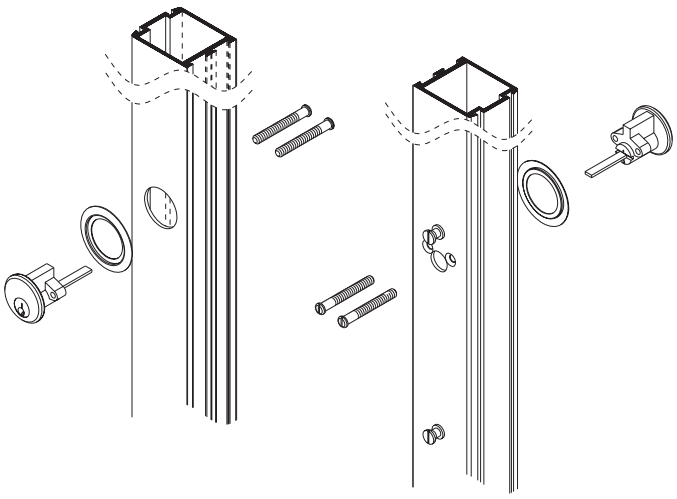
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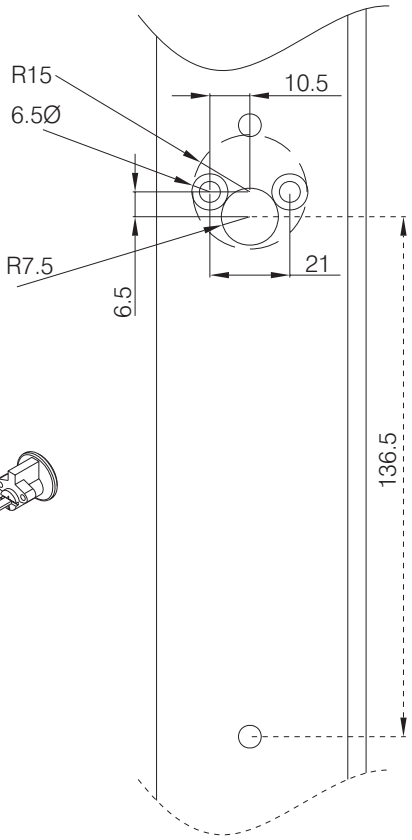
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RC-795-AL Rim cylinder & mounting pad for use with 7095 panic exit devices



RC 795 AL Rim cylinder for use with 7095 panic exit device



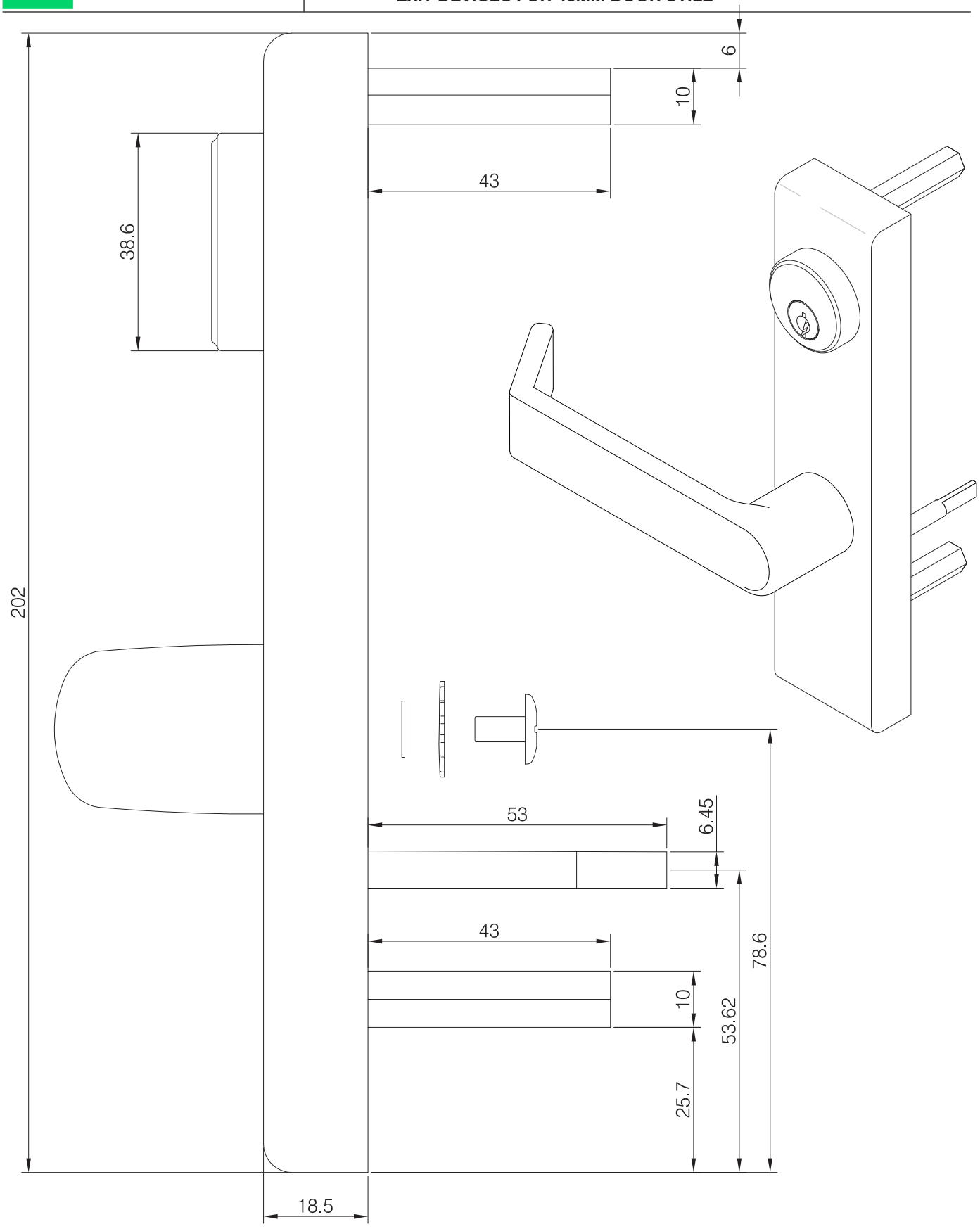


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Axim	TITLE: **RIM-MOUNTED CRASH BAR PR-7095 SERIES EXIT DEVICE**	SHEET No. **4:19**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-750-AL EXIT DEVICES FOR 46MM DOOR STILE**	



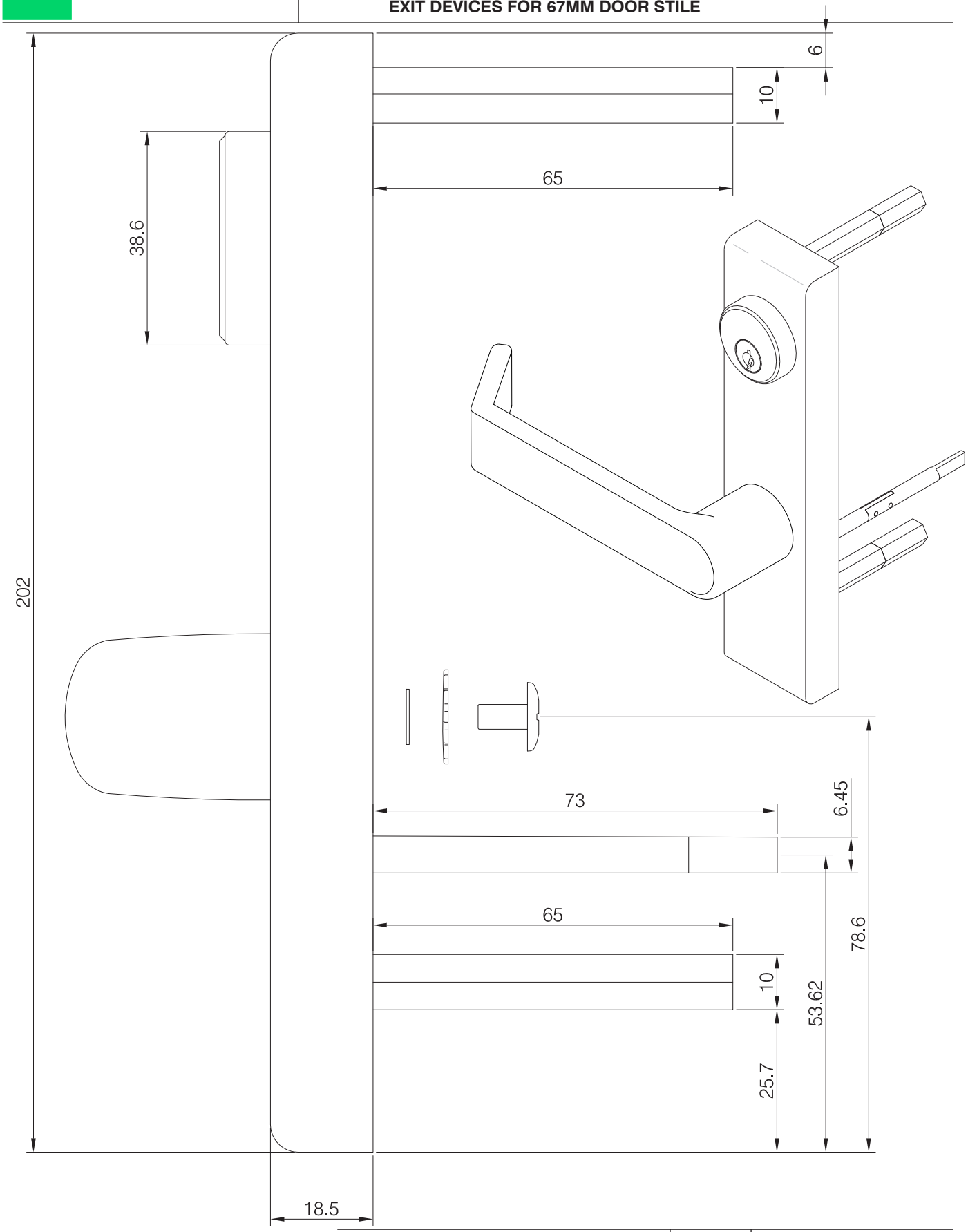
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Axim	TITLE: **RIM-MOUNTED CRASH BAR PR-7095 SERIES EXIT DEVICE**	SHEET No. **4:20**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-755-AL EXIT DEVICES FOR 67MM DOOR STILE**	



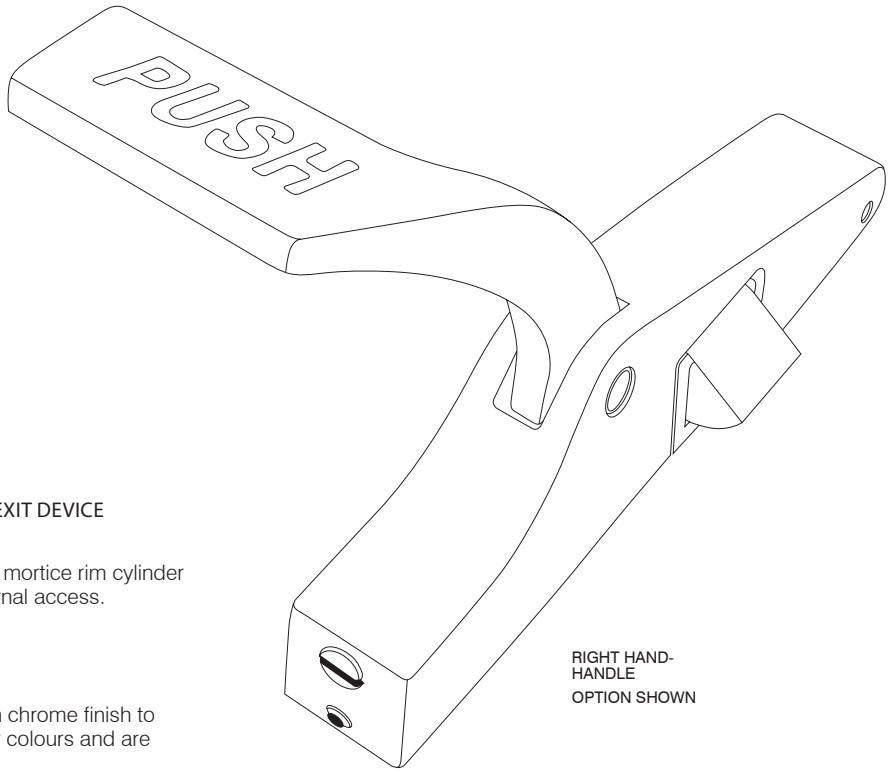
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Axim	TITLE **RIM-MOUNTED PADDLE HANDLE PR-7095P SERIES EXIT DEVICE**	SHEET No. **4:21**
	SUB TITLE **TECHNICAL INFORMATION**	



RIGHT HAND-HANDLE OPTION SHOWN

RIM MOUNTED, PANIC EXIT DEVICE

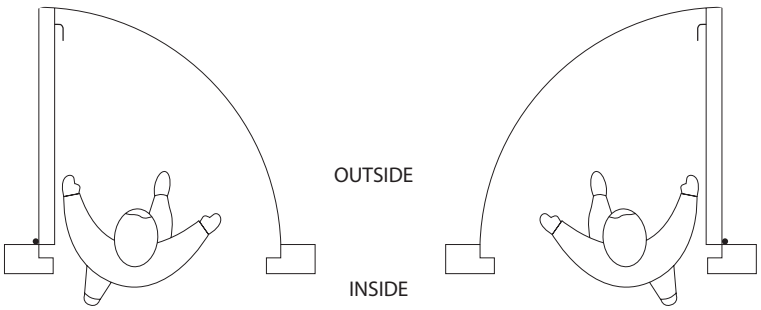
Available with standard mortice rim cylinder and lever allowing external access.

Certified to BS EN 179

MATERIAL FINISH

Lever Handles are satin chrome finish to complement most door colours and are clearly marked 'PUSH'.

All Axim Panic Exit Hardware is supplied with comprehensive instructions and full size templates for ease of installation.



ACCESSORIES

Rim cylinder for access from outside. (2 keys.)
RC-795-AL - 46mm to 54mm DOOR STILE - Silver
RC-795-DU - 46mm to 54mm DOOR STILE - Bronze
RC-795-BK - 46mm to 54mm DOOR STILE - Black
RC-795-AL-S - 46mm to 54mm DOOR STILE - Silver
RC-797-AL - 46mm to 67mm DOOR STILE - Silver
RC-797-AL-S - 46mm to 67mm DOOR STILE - Silver

Push bar, 1500mm. For wide doors cut to suit.
CB-742-AL - 1066.8mm - CRASH BAR - Silver
CB-748-AL - 1219.2mm - CRASH BAR - Silver
CB-760-AL - 1524mm - CRASH BAR - Silver
Other finishes available to special order.

Paddle handle
PR-7095-AL-L - Left hand - Silver
PR-7095-AL-R - Right hand - Silver
PR-7095-P-AL-LH - Left hand - Silver
PR-7095-P-AL-RH - Right hand - Silver
Other finishes available to special order.

GUARANTEE

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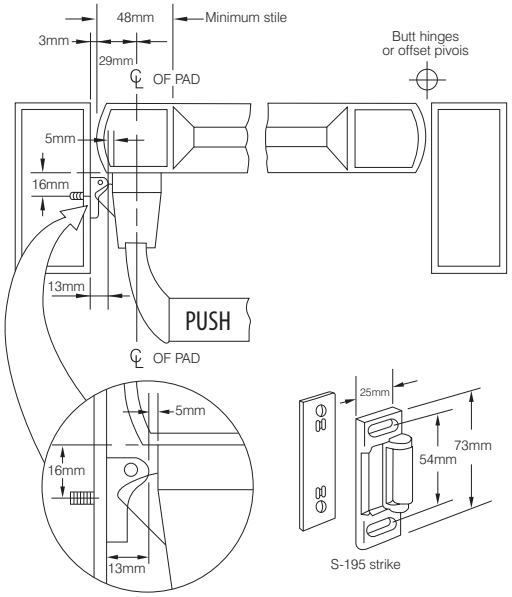
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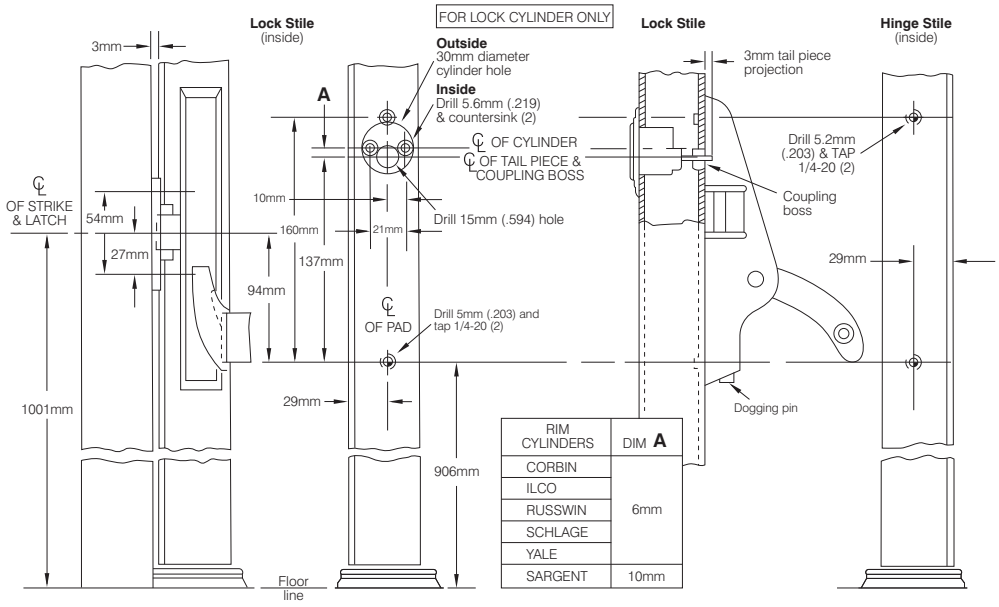
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Axim	TITLE **RIM-MOUNTED PADDLE HANDLE PR-7095P SERIES EXIT DEVICE**	SHEET No. **4:22**
	SUB TITLE **INSTALLATION INSTRUCTIONS PR-7095P**	

L.H.R.B. Door shown





RIM CYLINDERS	DIM A
CORBIN	6mm
ILCO	
RUSSWIN	
SCHLAGE	
YALE	
SARGENT	10mm

Preparation

1. Determine hand of door and prepare inside of lock and hinge stiles as shown.
2. If cylinder Key Lock is to be used, prepare inside and outside of lock stile as shown.
   - A Cut Spindle of Rim Cylinder to project thru the door 3mm Install Rim Cylinder and secure with (2) 12-24x29mm Machine Screws NOTE: Screw heads must be flush.
   - B Determine Function of Key Cylinder:
     - (1) STANDARD: Key removable in either locked or unlocked position. With Latch fully released, rotate Coupling Boss so index mark is up.
     - (2) NIGHT LATCH: Key removable in locked position only. With latch fully released, rotate Coupling Boss 90° towards hinge side.
3. Install (2) 1/4-20 Shoulder Studs on lock stile and position Exit Latch Pad over Studs and insert Cylinder Spindle into Coupling Boss. Place Pad over Studs and tighten 3 Socket Head Set Screws to secure in place.
4. Prepare lock jamb for Strike as shown and install using (2) #10 x 13mm Flat Head Self-threading Screws or #10 x 32mm All-purpose Screws.

DOGGING EXIT DEVICE USING <u>DOGGING PIN:</u>

Fully depress Cross Bar and hold, push up Dogging Pin with screwdriver and rotate 90° in either direction.

TO RELEASE EXIT DEVICE:

Hold Cross Bar down and rotate Dogging Pin with screwdriver in either direction until Dogging Pin releases.

DOGGING EXIT DEVICE USING <u>CYLINDER KEY:</u>

Turn Key toward hinge side approximately 360°.

TO RELEASE EXIT DEVICE:

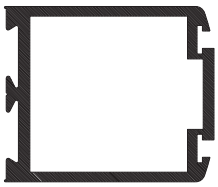
Turn Key toward latch side approximately 360°.

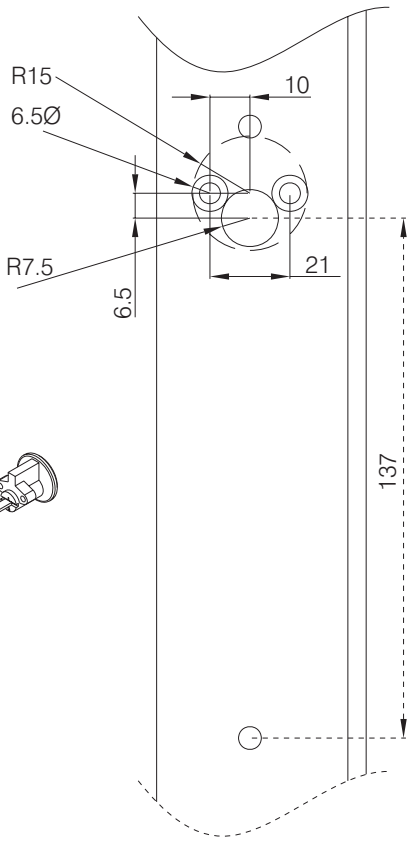
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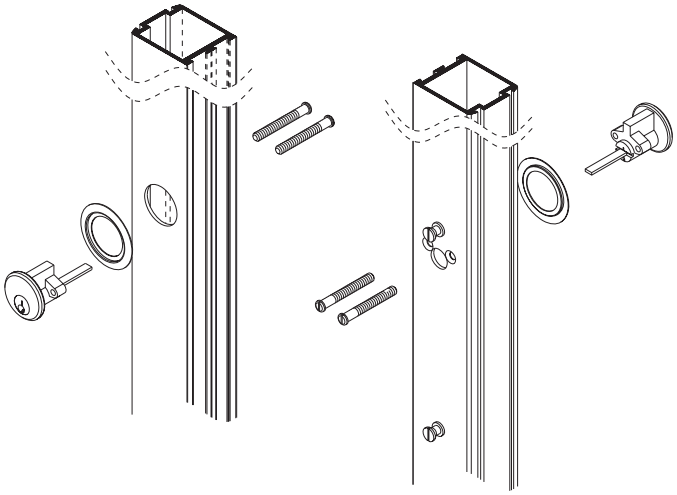
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RC-795-AL Rim cylinder for use with 7095P panic exit device



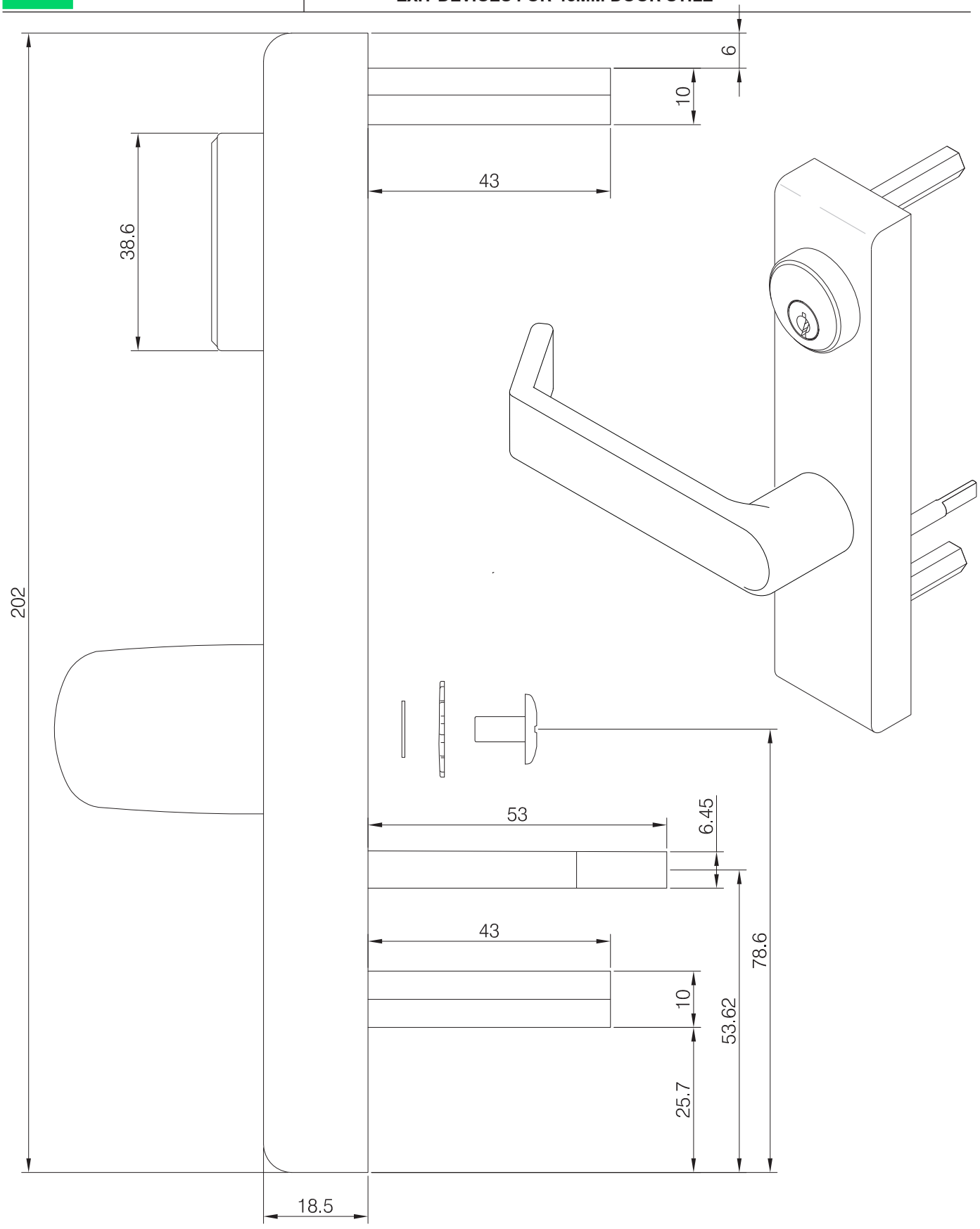
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Axim	TITLE: **RIM-MOUNTED CRASH BAR PR-7095P SERIES EXIT DEVICE**	SHEET No. **4:24**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-750-AL EXIT DEVICES FOR 46MM DOOR STILE**	



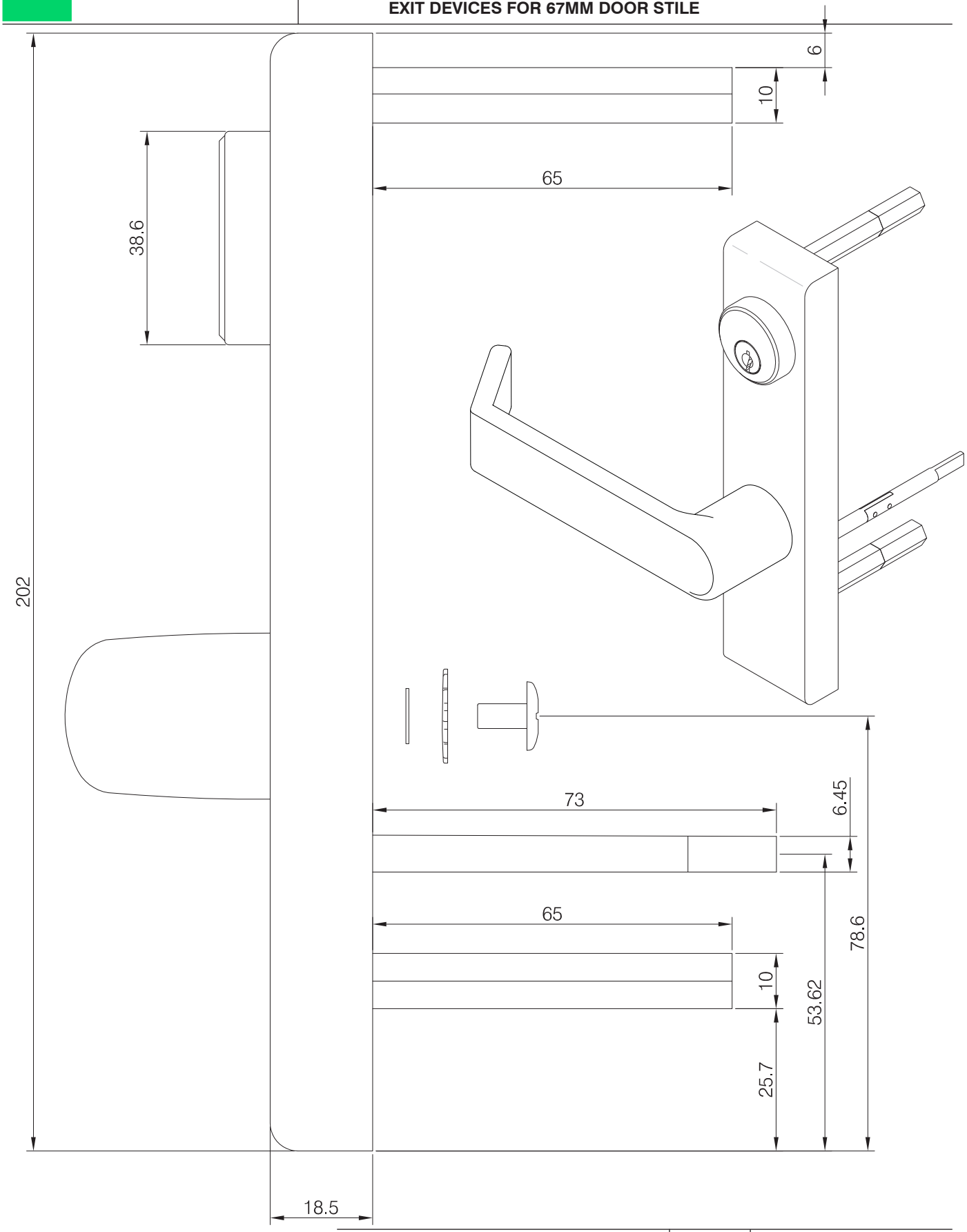
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Axim	TITLE: **RIM-MOUNTED CRASH BAR PR-7095P SERIES EXIT DEVICE**	SHEET No. **4:25**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-755-AL EXIT DEVICES FOR 67MM DOOR STILE**	



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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:26**
	SUB TITLE **TECHNICAL INFORMATION PR-7100**	

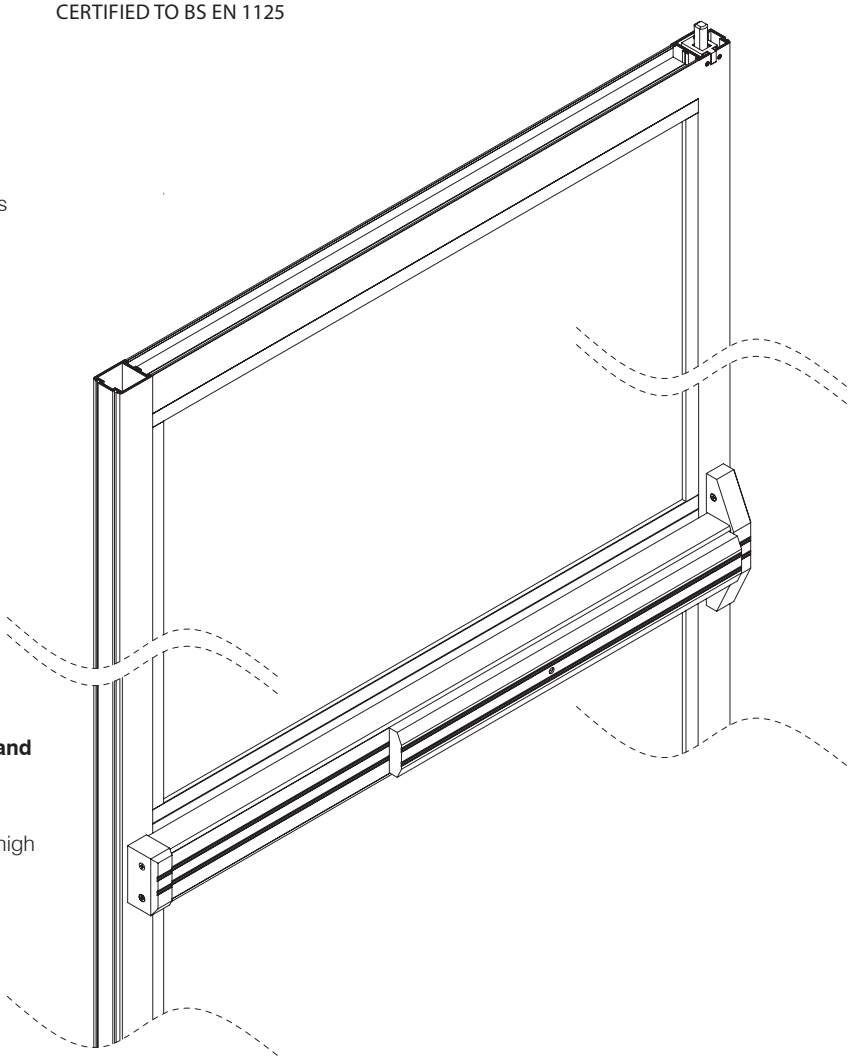
CONCEALED ROD, PANIC EXIT DEVICE

CERTIFIED TO BS EN 1125

Heavy duty lever springs and internal mechanism for durable, smooth operation.
Plated steel and stainless steel internal components.
8.5mm diameter, steel locking rods with 16mm bolt throw.
Bolt length adjustable ensuring correct alignment.
Standard model suitable for door widths as narrow as 700mm and 2135 high. 300mm & 600mm coupling rods are available for taller doors.

Available with standard mortice rim cylinder and mounting pad allowing external access.
Permanent bolt retention for easy access can be achieved with cylinder key from outside or hexagon key in the touch bar.
Extruded aluminium touch bar, anodised finish with coloured alloy end caps to match.

All Axim panic exit hardware is supplied with comprehensive instructions and full size templates for ease of installation.



MODEL SELECTION
Determine the hand of the door using the diagram above and enter the correct designation after the series number.
Example:
PR-7100-AL-LHRB
NOTE: Units are stocked in both right and left hand but are easily field reversible.

ACCESSORIES
Extension rod with coupling for doors over 2135mm high (plated steel)
RE-712 - 300mm Extension rod
RE-714 - 600mm Extension rod
RE-716 - 1000mm Extension rod

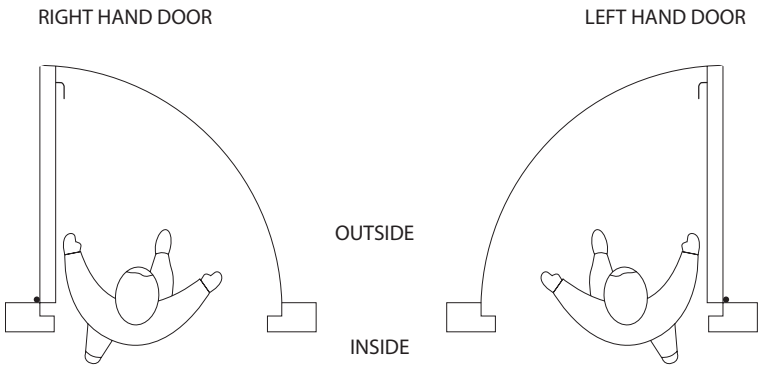
Dogging pin
DP-713 - Silver

Locking handles
LH-725-AL - 46mm DOOR STILE - Silver
LH725-BK - 46mm DOOR STILE - Black
LH-730-AL - 49mm DOOR STILE - Silver
LH-740-AL - 54mm DOOR STILE - Silver
LH-745-AL - 67mm DOOR STILE - Silver
LH-760-AL - 64mm DOOR STILE - Silver
LH-775-AL - 75mm DOOR STILE - Silver

Rim cylinder for access from outside
Product codes;
RC-785-AL - 46mm DOOR STILE - Silver
RC-785-DU - 46mm DOOR STILE - Bronze
RC-785-BK - 46mm DOOR STILE - Black
RC-785-AL-S - 46mm DOOR STILE - Keyed alike Silver
RC-787-AL - 49mm DOOR STILE - Silver
RC-789-AL - 54mm DOOR STILE - Silver
RC-789-AL-S - 54mm DOOR STILE - Keyed alike Silver
RC-791-AL - 67mm DOOR STILE - Silver
RC-791-AL-S - 67mm DOOR STILE - Keyed alike Silver

Cylinder mounting pad for above including fixings
Product codes;
MP-786-AL - 49mm DOOR STILE - Silver
MP-786-DU - 49mm DOOR STILE - Bronze
MP-786-BK - 49mm DOOR STILE - Black

HAND OF DOOR



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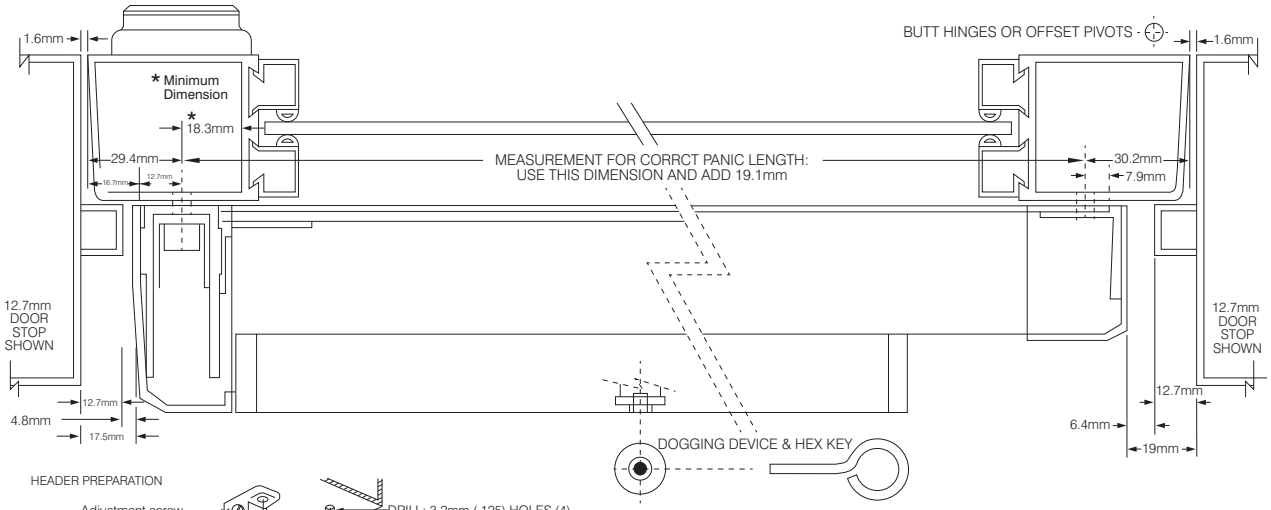
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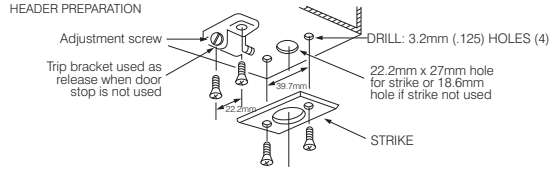
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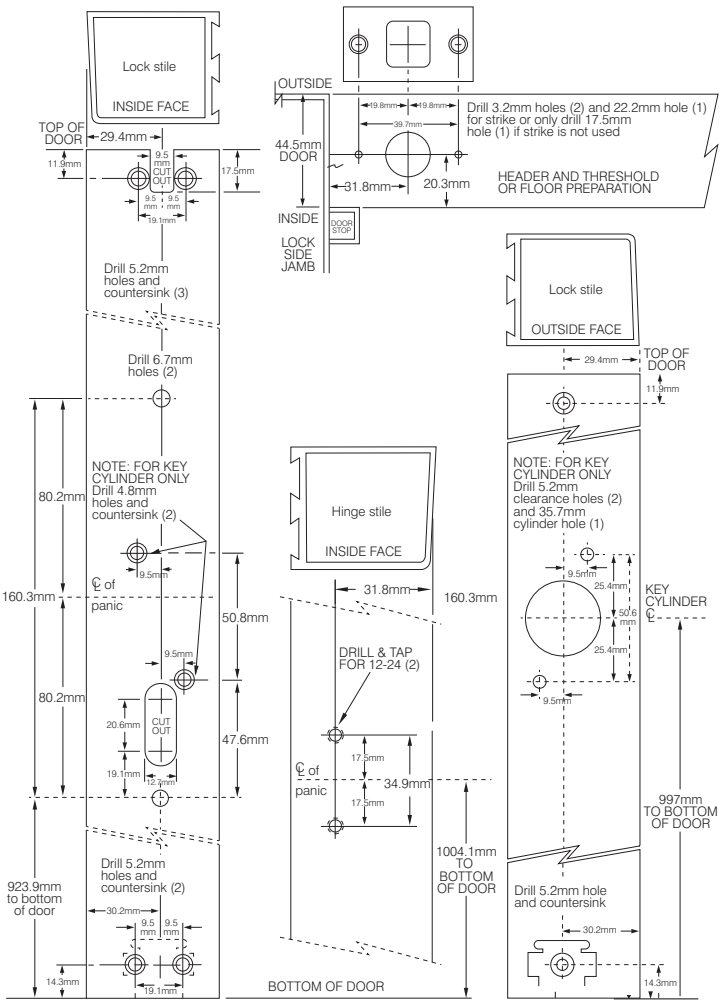
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DATE	MAY 2026

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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:28**
	SUB TITLE **INSTALLATION INSTRUCTIONS, MODERN, FLAT TOUCH BAR, CONCEALED VERTICAL ROD, PANIC EXIT DEVICE**	







INSTALLATION INSTRUCTIONS

1. Determine hand of door and prepare inside face of Lock and Hinge Stile as shown.
2. **NOTE: For Key Cylinder Only**
   If key cylinder is to be used, prepare inside and outside face of Lock Stile as shown.
3. Insert Concealed Vertical Rod into Lock Stile and secure Centre Case Assembly with (2) 1/4-20 Hex Mounting Studs (short end for standard doors and long end for monumental door.)
4. **NOTE: For Key Cylinder Only**
   If key cylinder is used, insert Cylinder in Mounting Pad and secure with Locking Ring. Remove Key, loosen (2) 1/4-20 Hex Mounting Studs, and secure Mounting pad with cylinder using (2) 8-32* 49.2mm Flat Head Machine Screws. Re-tighten Hex Mounting Studs.
5. Adjust length of top and bottom Actuating Bolts by turning in or out. When the Push Bar is fully depressed and Dogged, the Actuating Bolts should be slightly recessed from flush with the top and bottom of the door. Install top and bottom Bolt Guide with (6)#10*12.7mm Flat head Self-Threading screws.
   NOTE: Large Bevel of Actuating Bolts must be inside and outside of stile.
6. Measure for correct Panic Length. Measure distance from centreline of mounting holes on Lock and stiles of door as indicated AND ADD 19.1mm. Mark the measurement on back of the Panic form Latch End towards the Hinge End to be cut. Stuff a rag in the end of the Back Channel prior to cutting off excess length so that metal chips will not get into the mechanism. Protect the area to be cut and then cut to correct length.
7. Drill (2) clearance holes for 12-24 machine screws in Hinge End of Back Channel as indicated. Attach Hinge End of Panic and Hinge End Mounting Bracket **LOOSELY** on Hinge Stile with (2) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2) #12*31.8mm Pan Head All-Purpose Screws and Lock Washers.
8. Position Latch End of Panic over Hex Mounting Studs, Secure Latch End of Panic with (2) 1/4-20 Hex Nuts and Lock Washers, Tighten the (2) screws on the Hinge End Mounting Bracket, put crank into Latch End Housing, making sure that Link fits over end pin, insert screw into crank and tighten.
9. Attach Latch End Cover and Hinge End Cover with (4)8-32*12.7mm Flat Head Thread Cutting Machine Screws.
10. Prepare Header and Threshold Strikes as shown. If Header and Threshold Strikes are required, install using (4)#8*9.5mm Flat Head Self-threading Screws or (4)#8*25.4mm Flat Head All-purpose Screws.

OPERATING INSTRUCTIONS

TO UNLOCK DOOR USING CYLINDER KEY:

Turn key approximately 1/4 turn **counterclockwise** and open the door, return key to centre and remove.

DOGGING USING CYLINDER KEY:

Open the door, fully depress Push Bar and hold, turn the key **clockwise** approximately 45º, return key to center and remove.

TO RELEASE CYLINDER KEY DOGGING:

Turn key **counterclockwise** approximately 45º, return key to centre and remove.

DOGGING USING DOGGING KEY:

Fully depress Push Bar and hold. Using Hex Dogging Key **push in** dogging device and turn **clockwise** approximately 1/2 turn.

TO RELEASE DOGGING KEY DOGGING:

Hold Touch Bar down. Using Hex Dogging Key **push in** Dogging Device and Turn **counterclockwise** approximately 1/2 turn. Dogging will be released.



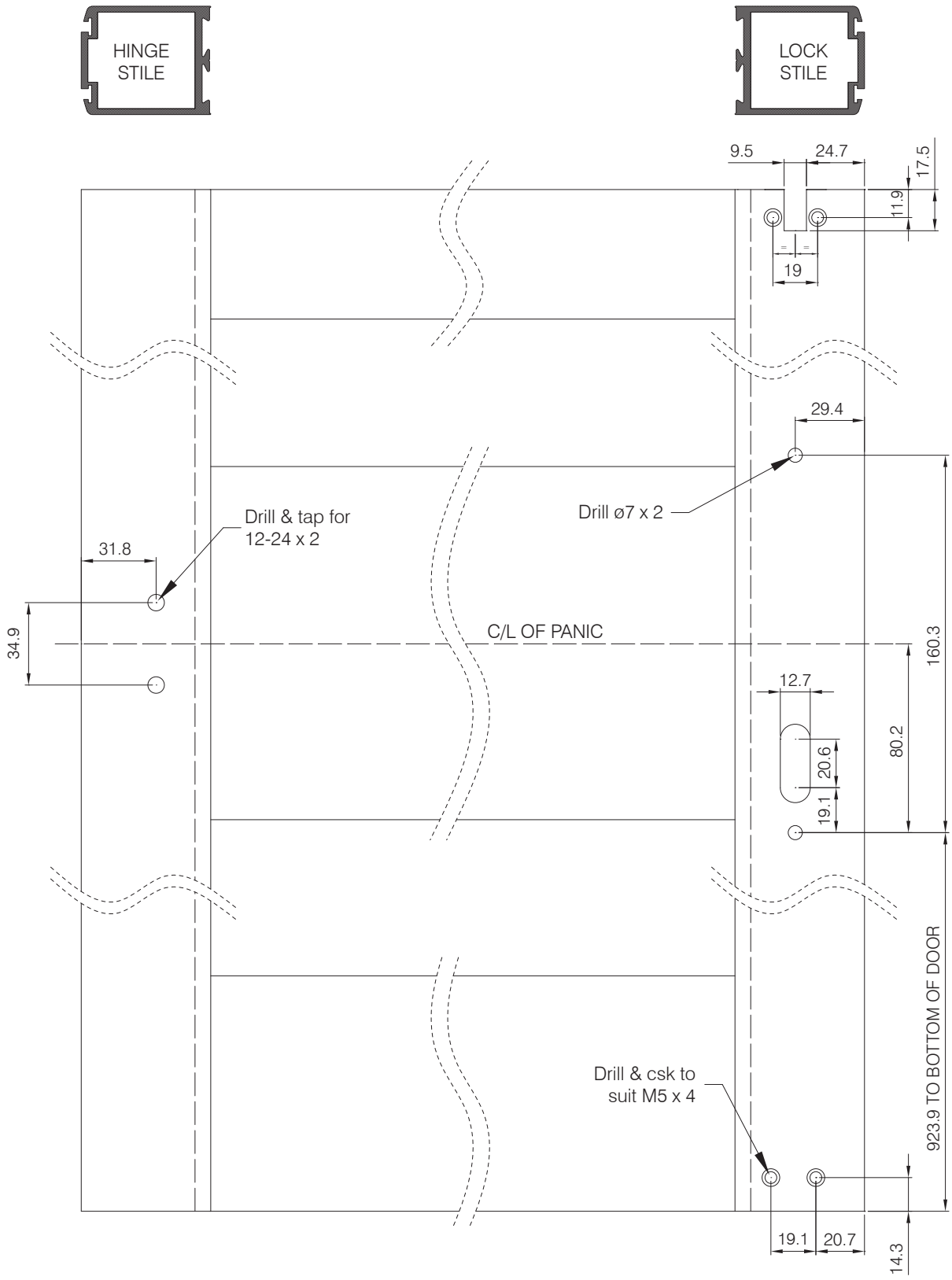
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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:29**
	SUB TITLE **CONCEALED ROD TOUCH BAR PANIC EXIT DEVICE FITTING INSTRUCTIONS PR-7100**	



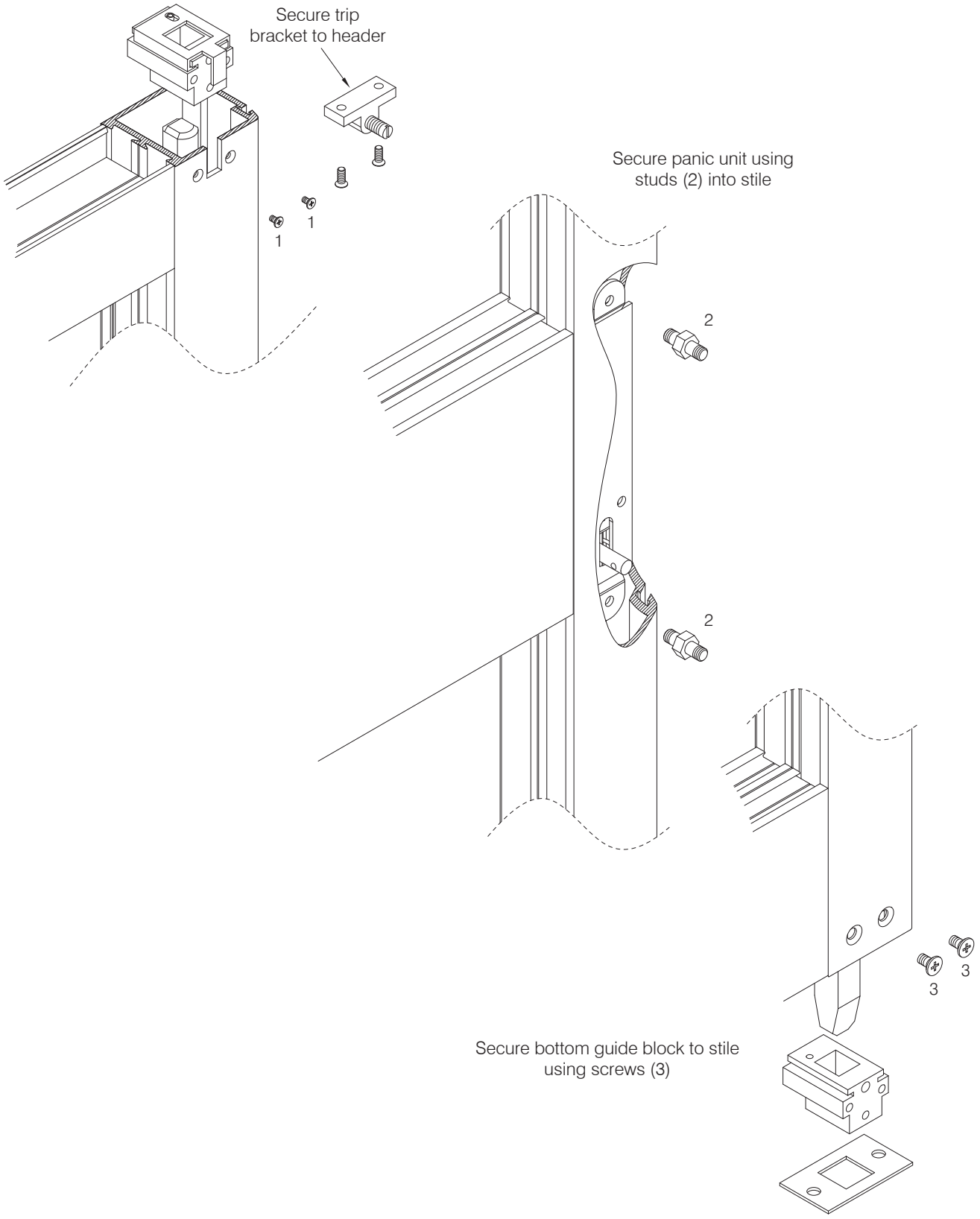
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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:30**
	SUB TITLE **CONCEALED ROD TOUCH BAR PANIC EXIT DEVICE FITTING INSTRUCTIONS PR-7100**	



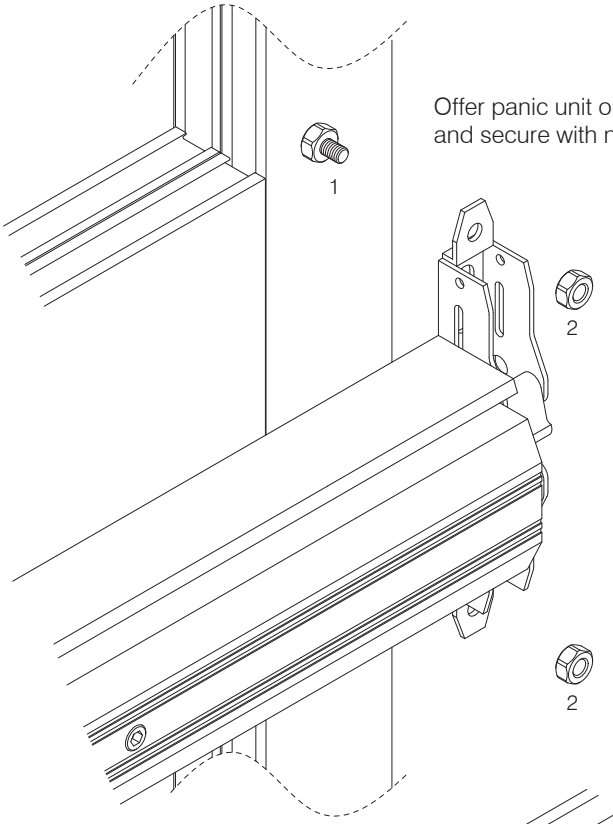
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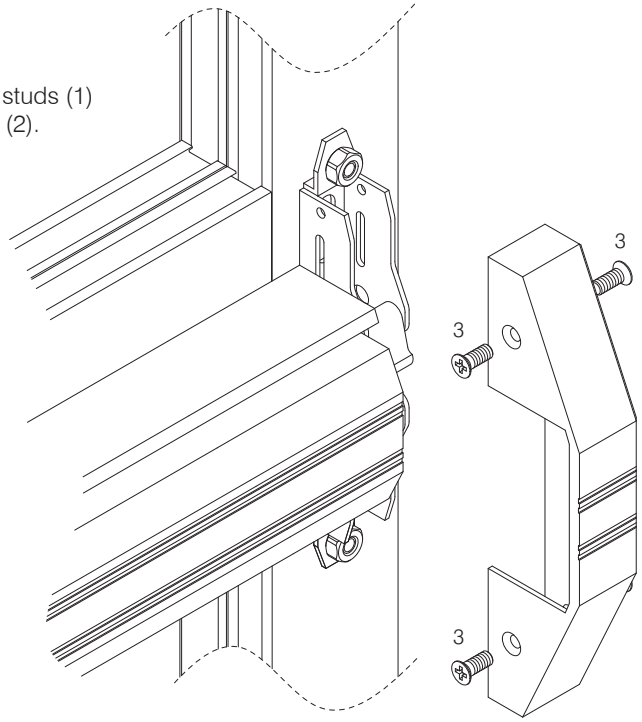
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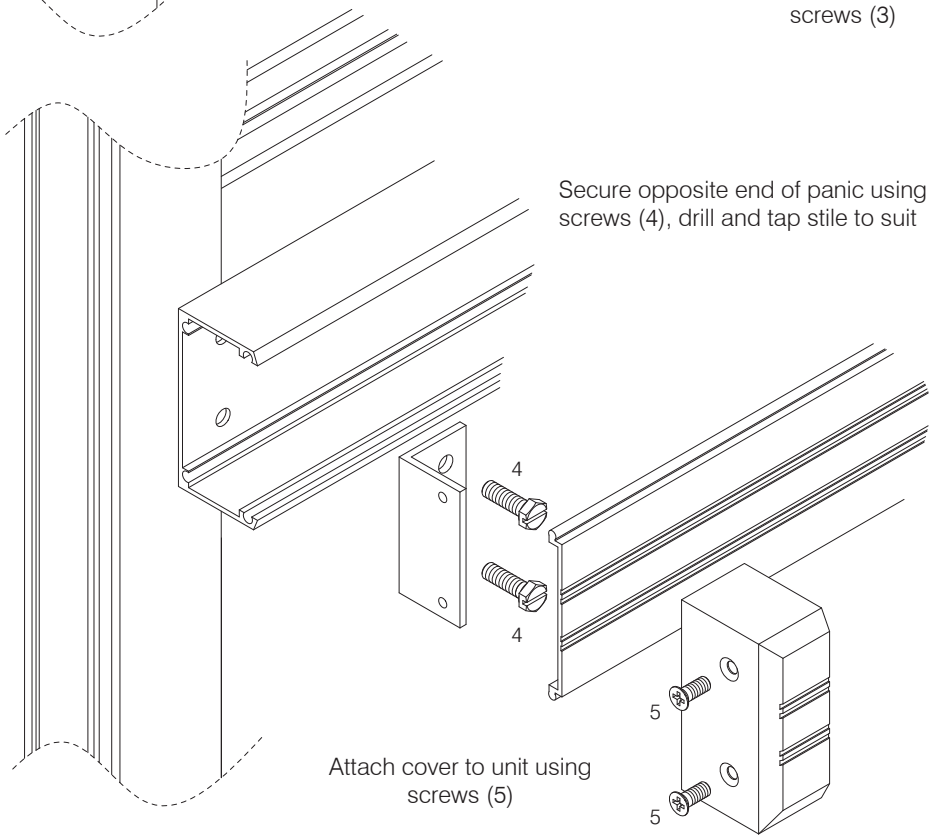
Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:31**
	SUB TITLE **CONCEALED ROD TOUCH BAR PANIC EXIT DEVICE FITTING INSTRUCTIONS PR-7100**	



Offer panic unit onto studs (1) and secure with nuts (2).



Attach cover to unit using screws (3)



Secure opposite end of panic using screws (4), drill and tap stile to suit

Attach cover to unit using screws (5)

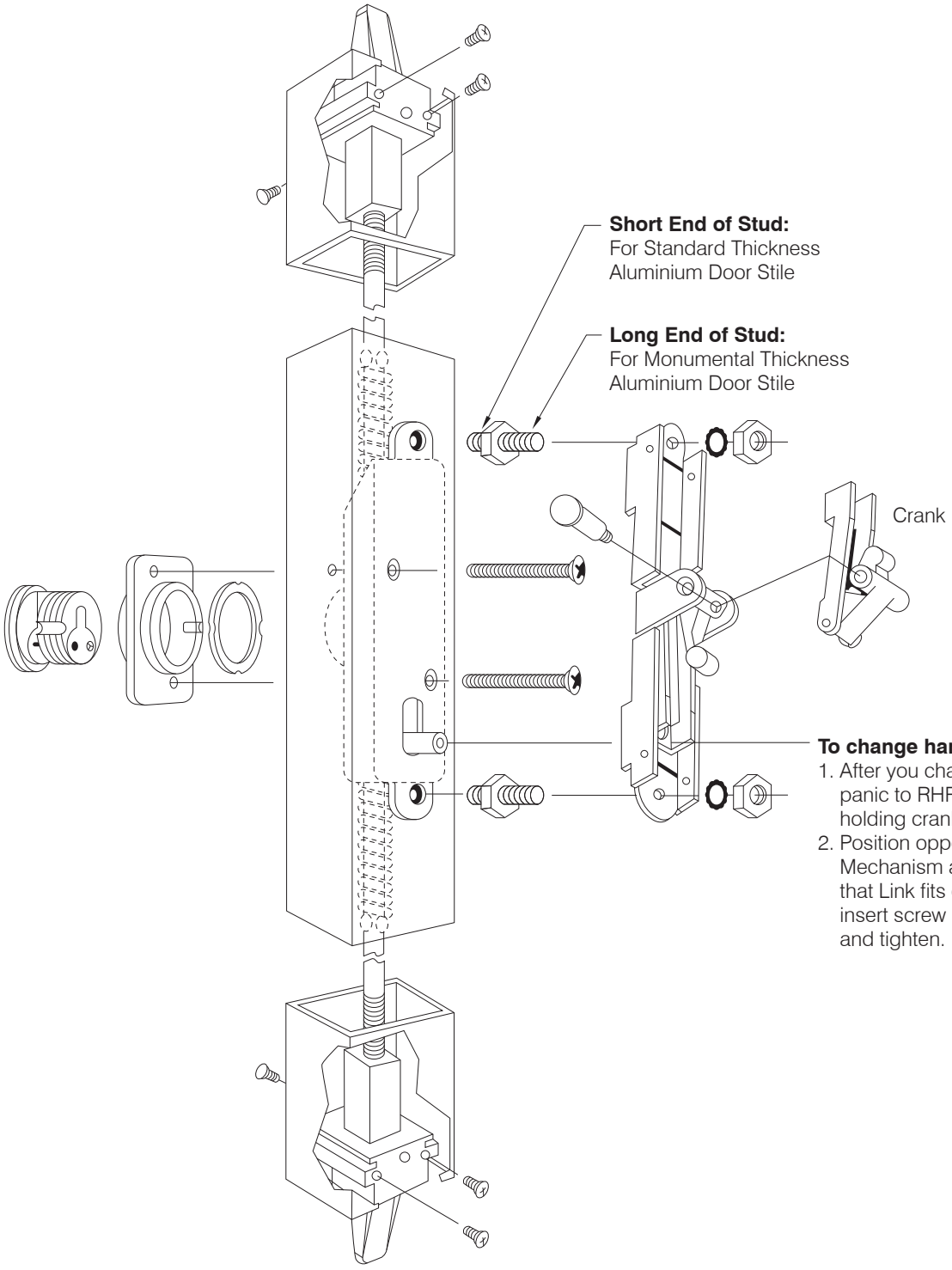
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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:32**
	SUB TITLE **LOCK STILE. ASSEMBLY INSTRUCTIONS FOR MODERN, FLAT TOUCH BAR, CONCEALED VERTICAL ROD, PANIC EXIT DEVICE**	



To change hand of panic to RHRB

1. After you change hand of panic to RHRB, remove screw holding crank in Mechanism.
2. Position opposite crank in Mechanism and make sure that Link fits over end Pin, insert screw in Mechanism and tighten.

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Axim	TITLE **CONCEALED ROD SOFT TOUCH BAR PR-7100 SERIES**	SHEET No. **4:34**
	SUB TITLE **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE FOR PR7085, PR7085P & PR7100 EXIT DEVICES**	

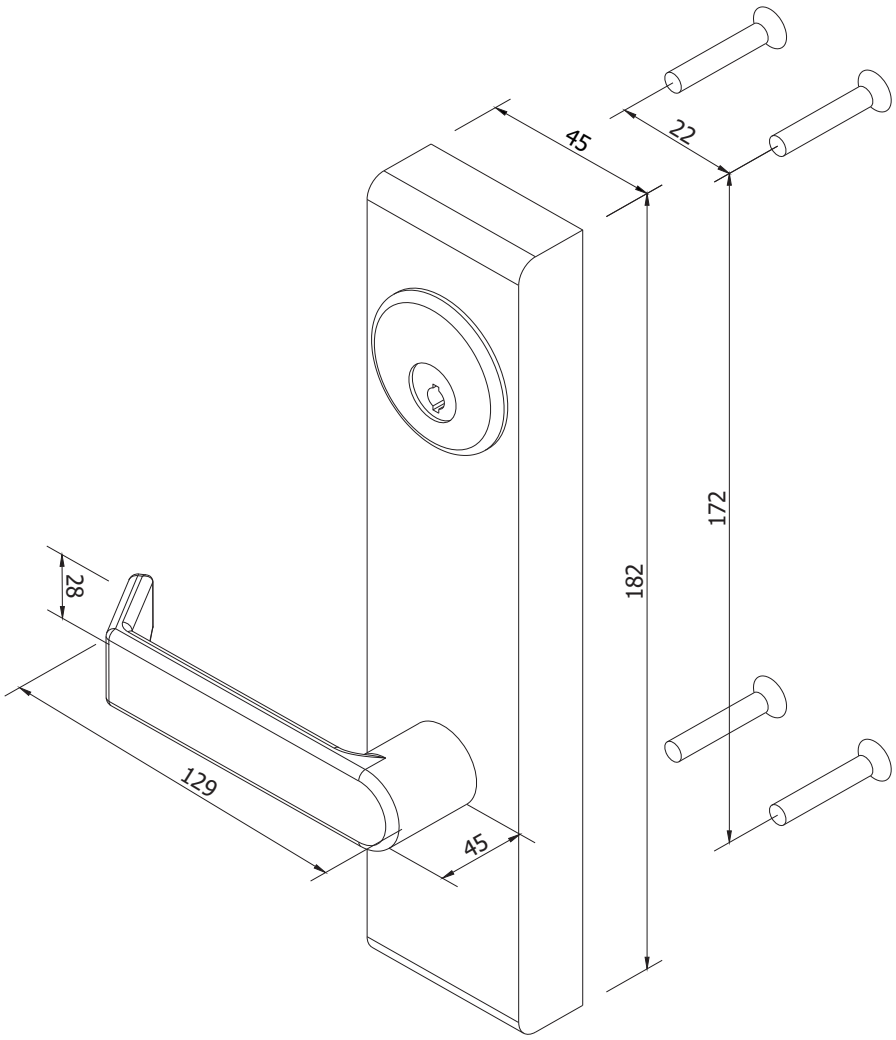
LH-725 Locking handle
Key Controlled Outside trim for use with PR7085, PR7085P, and PR7100 concealed rod Panic Devices.

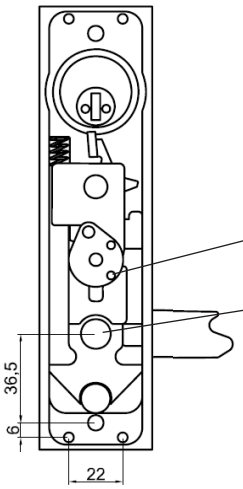
Uses Axim screw in Mortice cylinder with MS type CAM.

Not handed. (Field reversible).

All Axim Panic Exit Hardware is supplied with comprehensive instructions and full size templates for ease of installation.

Handle rotation 45˚ anti-clockwise from centre.
OR
Handle rotation 45˚ clockwise from centre.

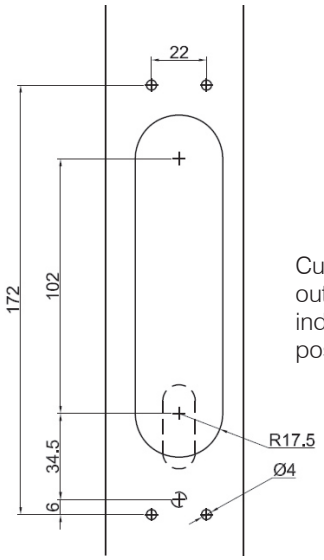




Ensure operating dowel is engaged in slot.

To change the hand of the trim, remove screw and reverse lever. Keep the black side of star washer facing upwards. Ensure screw is locked tight.

Ensure the cylinder and cam operate the lock arm prior to installation.



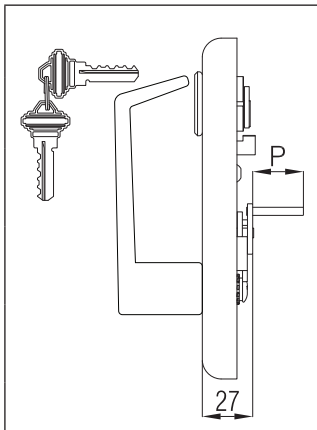
Cutting Prep to fit to outer face. Dashed lines indicate panic exit position (34.5 & 6).

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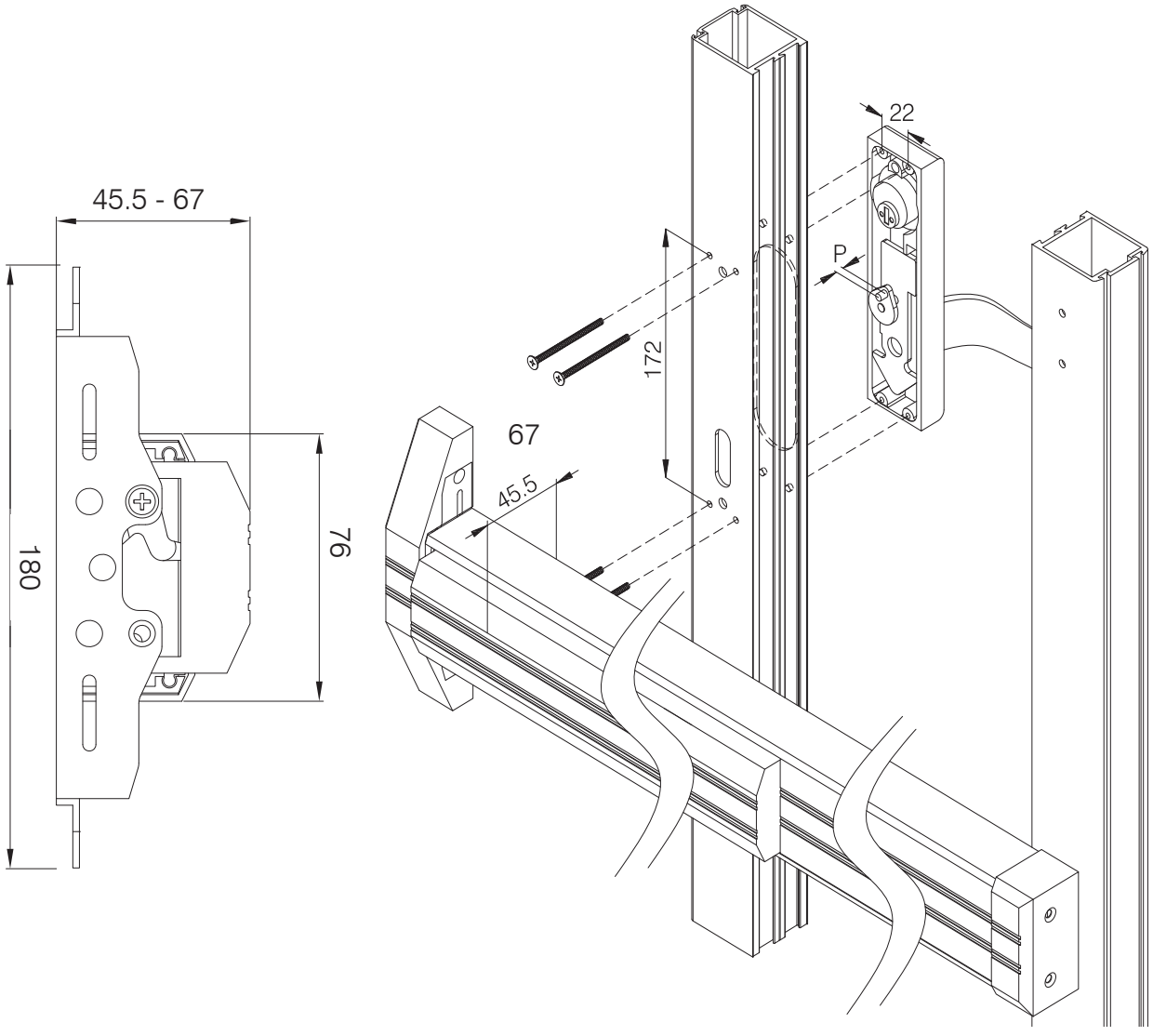
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Locking Handle	Pin Length	Door Stile
LH-725	P = 6 mm	46mm
LH-730	P = 9 mm	49mm
LH-740	P = 14 mm	54mm
LH-745	P = 27 mm	67mm
LH-760	P = 23 mm	64mm
LH-775	P = 35 mm	75mm



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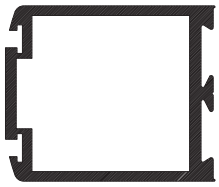
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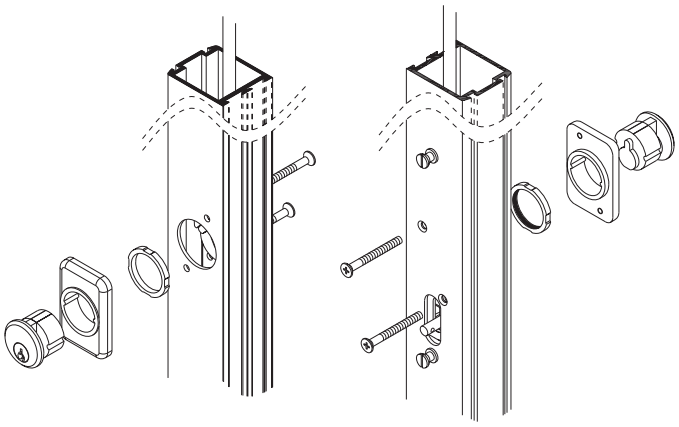
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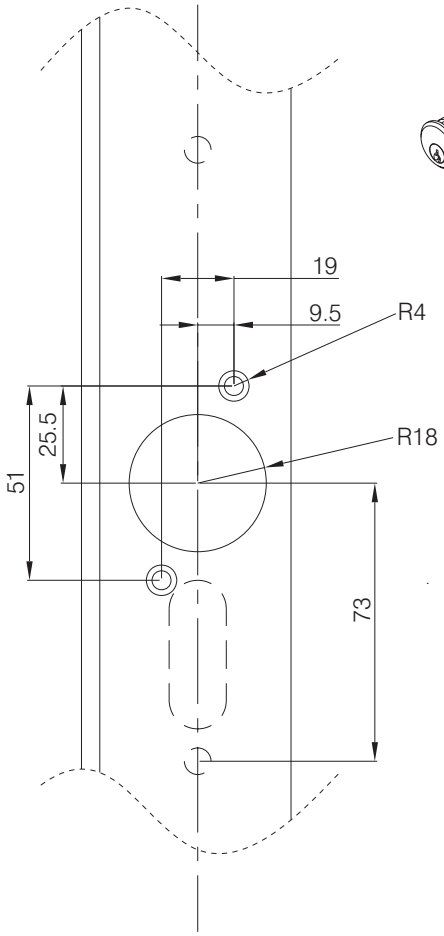
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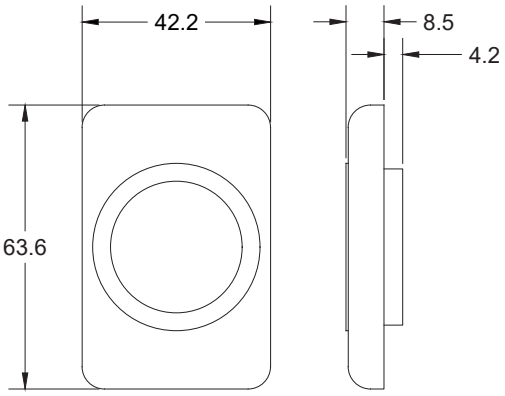
TITLE	CONCEALED ROD PADDLE HANDLE PR-7100 SERIES EXIT DEVICE	SHEET No. 4:35.1
SUB TITLE	RIM CYLINDERS PR-7100 LOCK BODY AND MOUNTING PAD DETAILS AND DIMENSIONS	

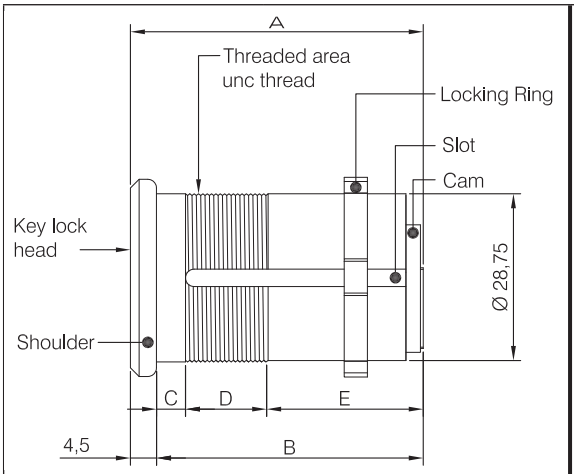


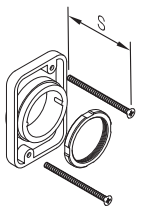




RC-785-AL Rim cylinder & mounting pad for use with 7085/7100 panic exit devices







Rim Cyliner table details		Mounting Pads	Screw Length
RC - 785			
A = 29.5	46mm Door Stile	MP786	S=50.5mm
B = 25.0			
C = 7.0			
D = 12.0			
E = 6.0			
RC - 787			
A = 32.5	49mm Door Stile	MP788	S=53.5mm
B = 28.6			
C = 5.0			
D= 13.0			
E = 10.0			
RC - 789			
A = 37.5	54mm Door Stile	MP790	S=57.5mm
B = 33.6			
C = 7.0			
D = 21.0			
E = 5.0			
RC - 791			
A = 53.5	67mm Door Stile	MP792	S=75.5mm
B = 49.0			
C = 5.0			
D = 14.0			
E = 27.0			

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Axim PR-7200 Series - Full Width Panic Exit
Emergency and Panic Exit Devices must provide an easy method of escape for building occupants in the event of a fire or other emergencies, as well as provide security against intrusion and burglary.

Within these scenarios there are two types of users:

Those that are not trained in the emergency evacuation of the building, e.g. shoppers in a retail outlet

Or those that have been trained to use the device, e.g. office workers

Within these standards, it is classed that a horizontal bar device should be used for buildings where it is envisaged that the users will not have been trained in evacuation techniques.

The Axim PR 7200 Series provides solutions which comply to both standards ensuring that, whatever the project type, specifiers can rely on Axim PR 7200 Series to supply the solution. The Axim PR-7200 Full Width Series is compliant to BS EN 1125.

FEATURES

The Axim PR-7200 is a concealed, vertical rod panic exit device which secures the top and bottom of the door, except during the operating cycle when the rods are retracted with cylinder key or when the touch bar is locked down with an Allen key (dogged)

The internal mechanism is manufactured from stainless and plated steel, with 8.5mm diameter steel operating rods that provide a 16mm bolt throw

Optional external key access or locking handle are also available

The Axim PR-7200 is a full width soft touch panic exit device

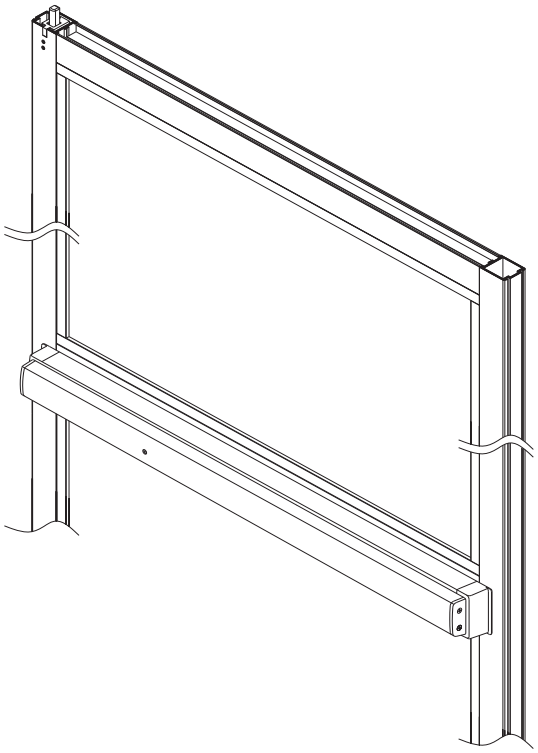
Non-handed

The push bar is extruded aluminium in an anodised finish with coloured alloy end caps to match

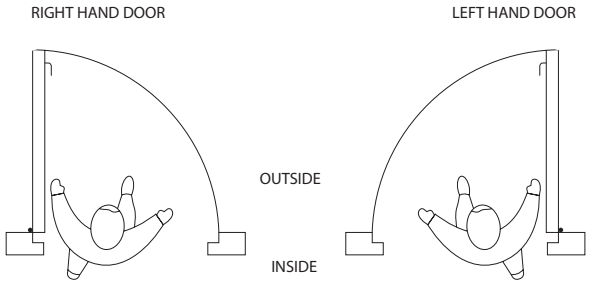
All mounting screws are concealed

Available in 3 standard sizes PR-7200-36, PR-7200-42 & PR-7200-48 all of which can be cut to suit your required sizes

PR-7200-36-AL	36” - 914mm
PR-7200-42-AL	42” - 1067mm
PR-7200-48-AL	48” - 1219mm



HAND OF DOOR



ACCESSORIES

Rim Cylinder

RC-785-AL	(46mm door stile thickness)
RC-789-AL	(49mm door stile thickness)
RC-787-AL	(54mm door stile thickness)
RC-791-AL	(67mm door stile thickness)

Mounting Pad with Locking Ring
MP-794-AL

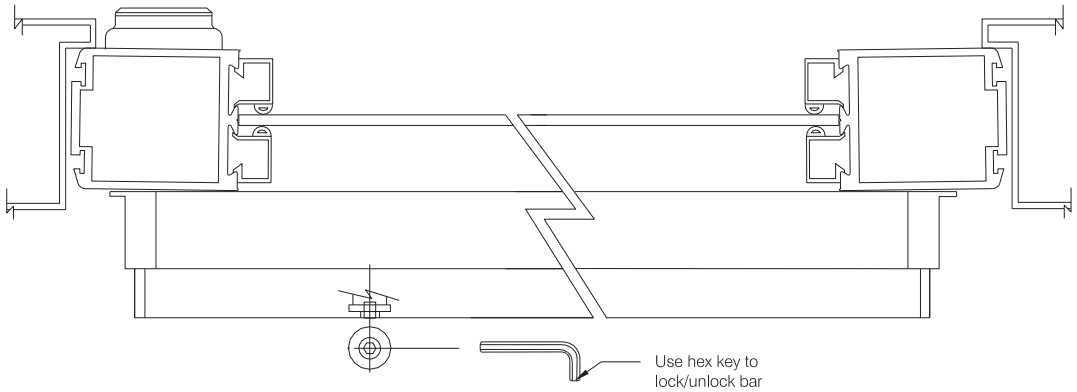
Locking Handle
LH-720-AL (46mm - 75mm door stile thicknesses)

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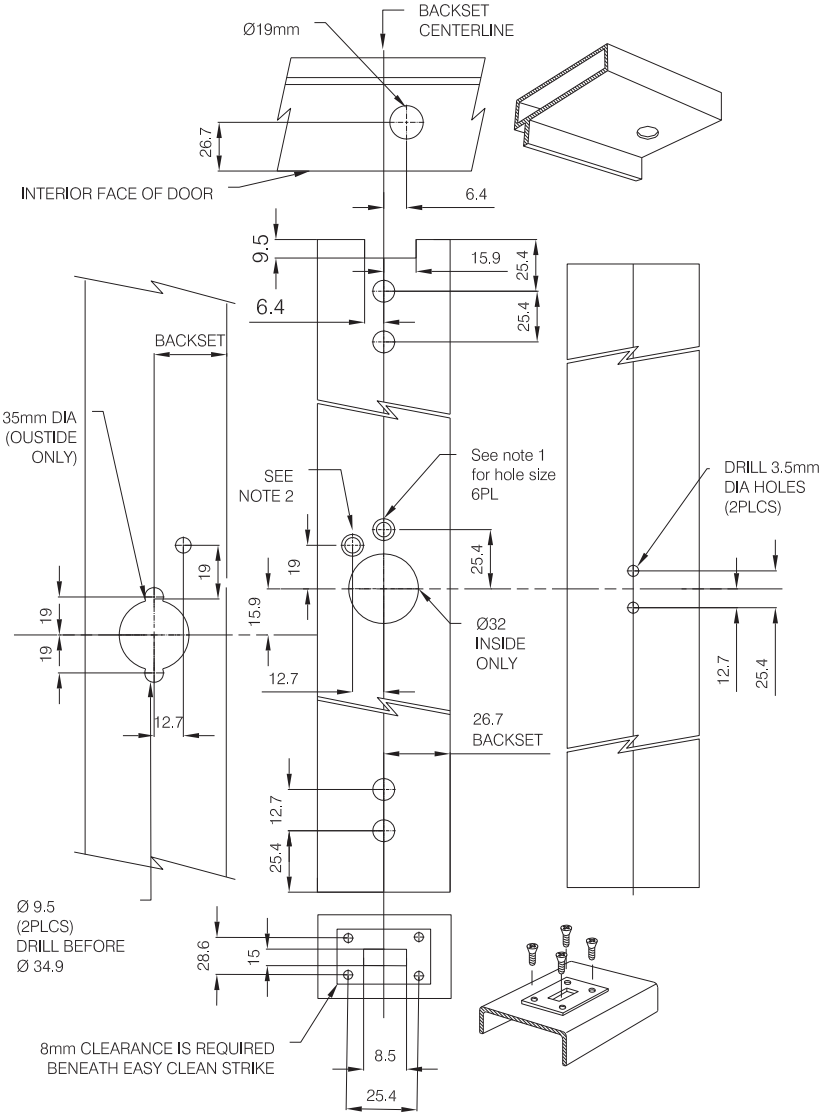
Axim	TITLE **CONCEALED ROD FULL WIDTH SOFT TOUCH BAR PR-7200 SERIES**	SHEET No. **4:37**
	SUB TITLE **ASSEMBLY DETAILS**	



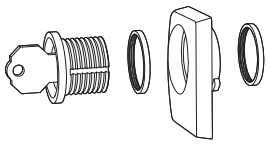
Lock Side (Outside)

Lock Side (Inside)

Hinge Side (Inside)



CYLINDER OPTION



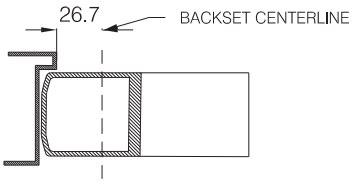
OUTSIDE CYLINDER PREPARATION

NOTE 2:
WHEN USING OUTSIDE CYLINDER, DRILL 5.5mm, HOLES FOR # SCREWS BOTH SIDES AND COUNTERSINK INTERIOR ONLY .

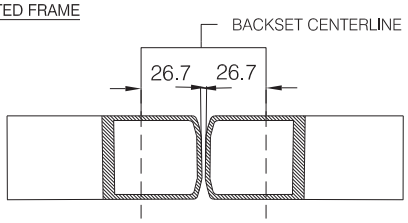
1. DRILL Ø5.5mm AND COUNTERSINK HOLES FOR #10.32 FLAT SCREWS

2. THESE DIMENSIONS AND TEMPLATES ASSUME DOOR 44.5mr THINK WITH 3mm STILE WALL

HOW TO FIND BACKSET

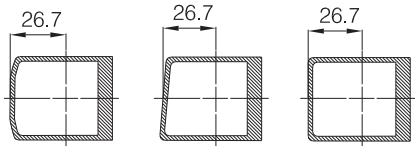


REBATED FRAME



BEVEL AND FLAT STILE APPLY TO SINGLE DOOR ONLY

PAIR DOOR



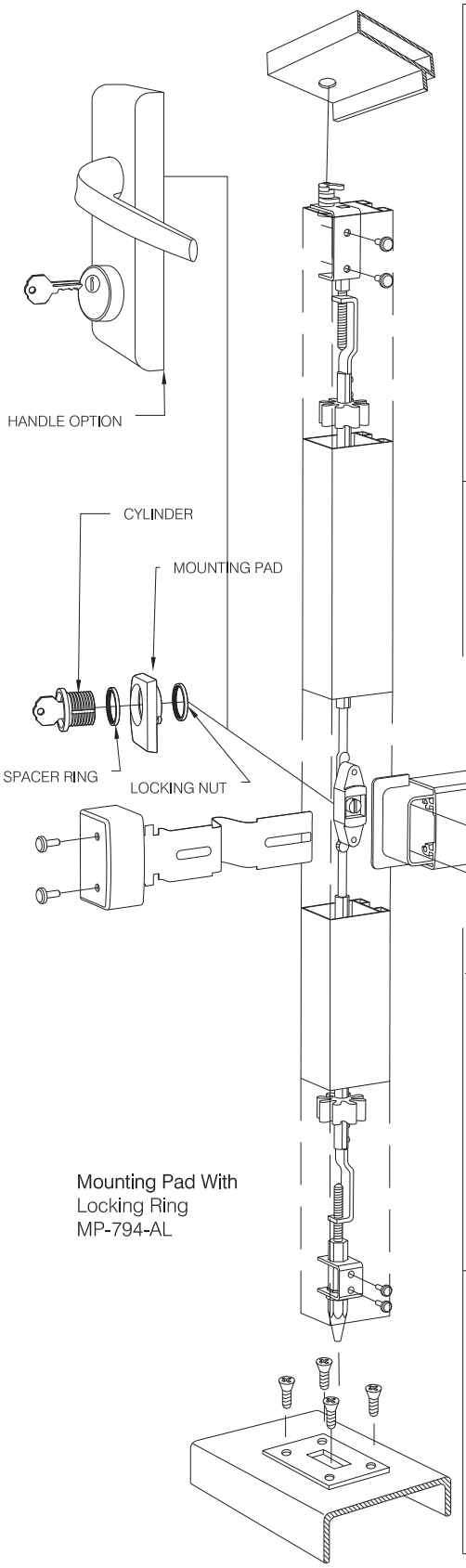
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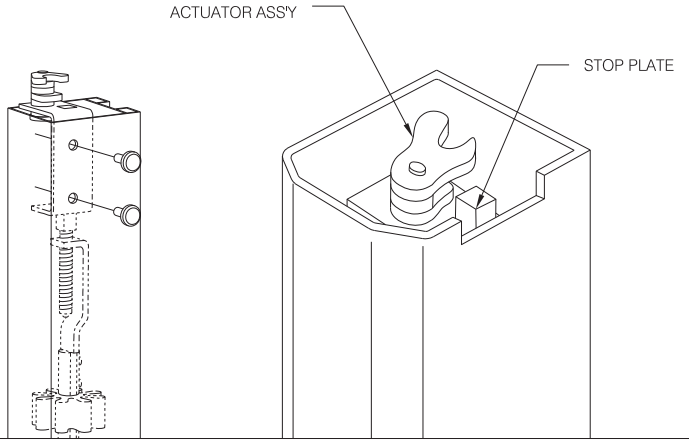
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	SUB TITLE **ASSEMBLY DETAILS**	



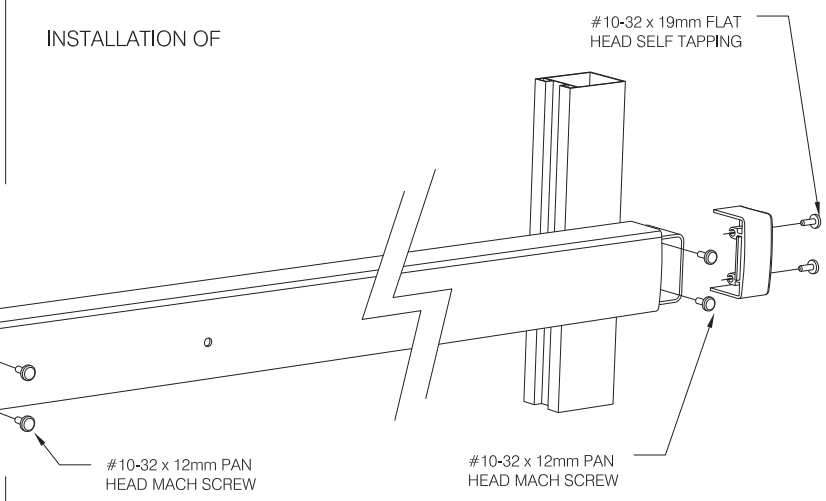
Mounting Pad With
Locking Ring
MP-794-AL

CYLINDER PREPARATION

NOTE: Square bolt must be flush with top of stop plate

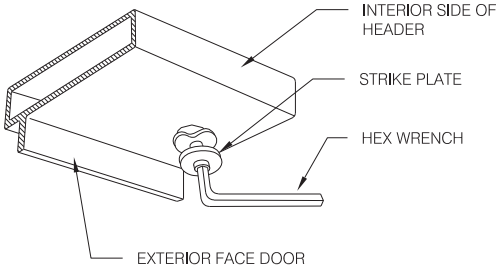


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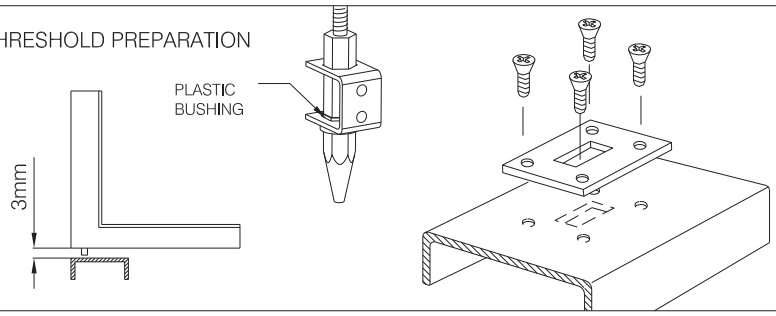


HEAD PREPARATION

NOTE: Position strike plate assembly on header. Then, tighten securely with hex wrench



THRESHOLD PREPARATION



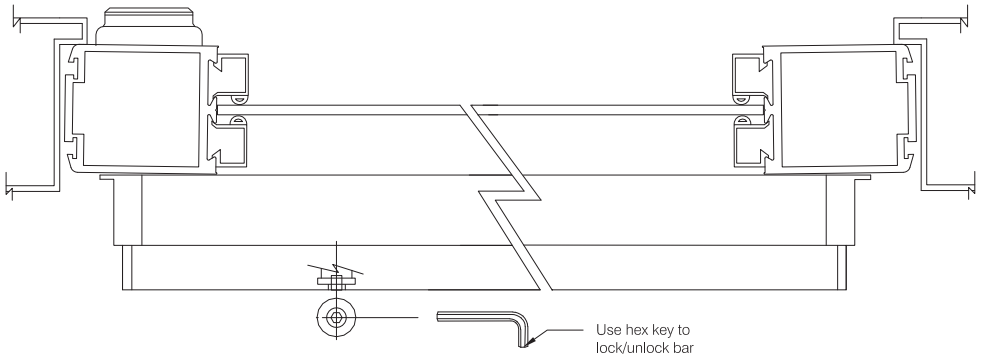
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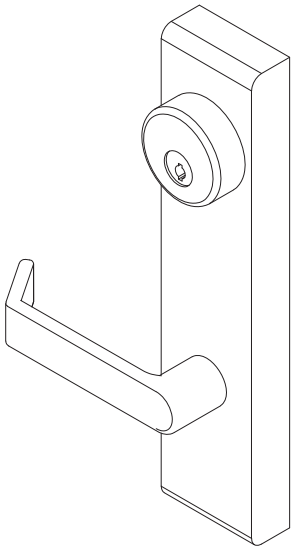
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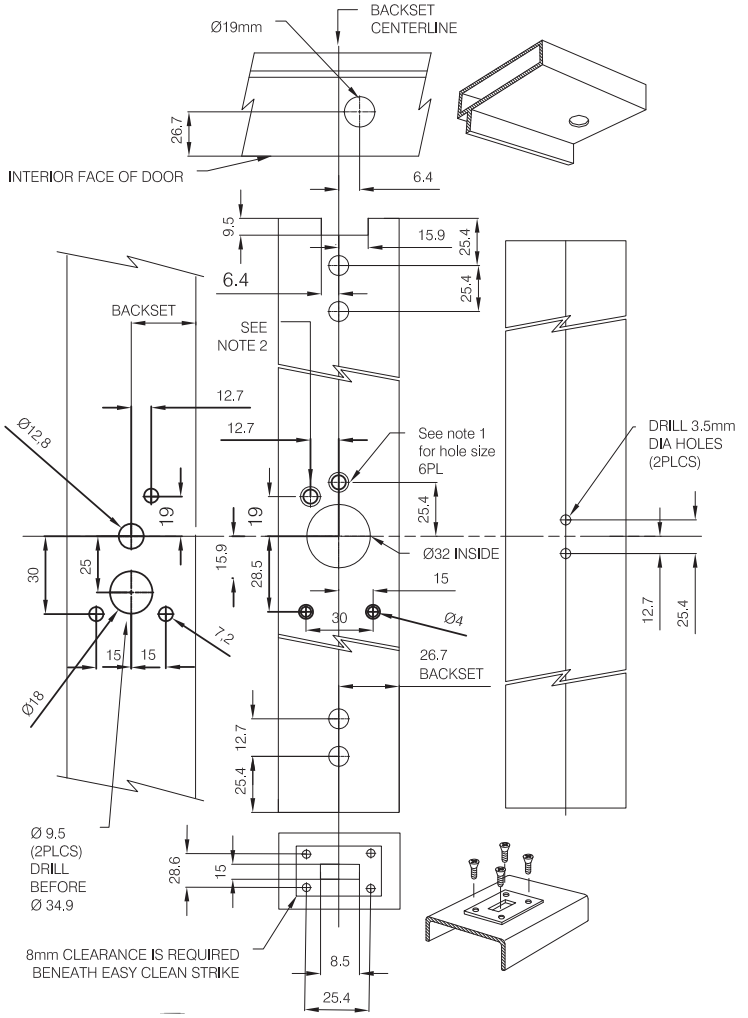
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Axim	TITLE **CONCEALED ROD FULL WIDTH SOFT TOUCH BAR PR-7200 SERIES**	SHEET No. **4:39**
	SUB TITLE **ASSEMBLY DETAILS LH-720**	



HANDLE OPTION LH-720





OUTSIDE CYLINDER PREPARATION

NOTE 2:
WHEN USING OUTSIDE CYLINDER, DRILL 5.5mm, HOLES FOR #10-32 SCREWS BOTH SIDES AND COUNTERSINK INTERIOR ONLY .

1. DRILL Ø5.5mm AND COUNTERSINK 5 HOLES FOR #10.32 FLAT HEAD SCREWS
2. THESE DIMENSIONS AND TEMPLATES ASSUME DOOR 44.5mm THINK WITH 3mm STILE WALL

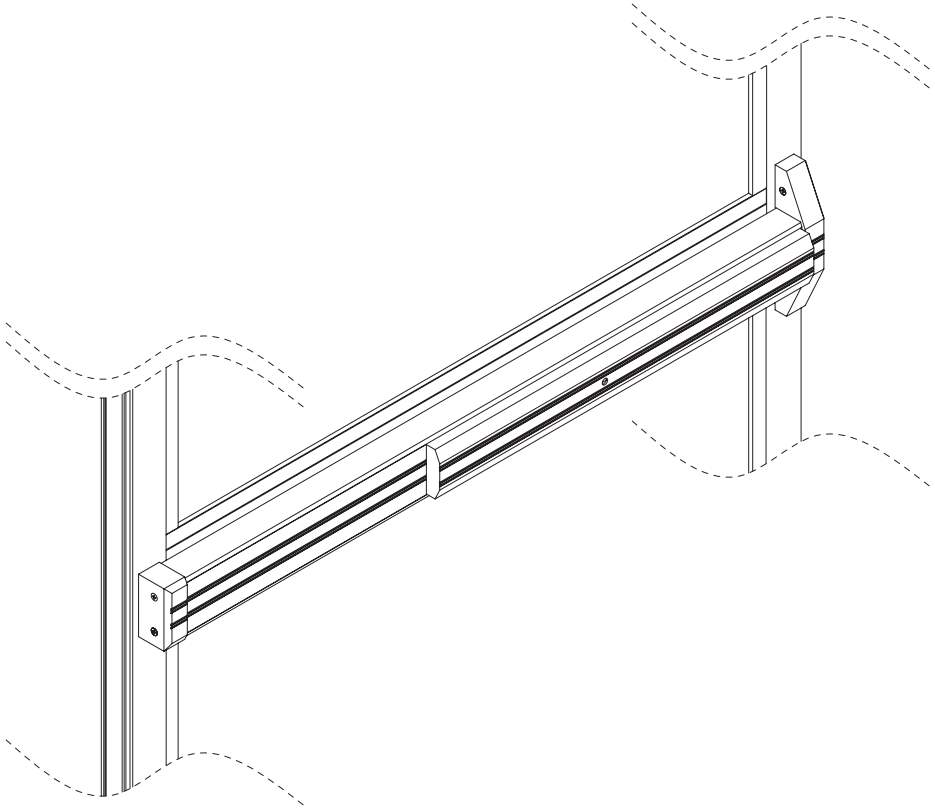
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Axim	TITLE **RIM MOUNTED SOFT TOUCH BAR PR-7300 SERIES**	SHEET No. **4:40**
	SUB TITLE **TECHNICAL INFORMATION**	



RIM MOUNTED, PANIC EXIT DEVICE

Heavy Duty Lever Springs for durable and smooth operation.

Complies with BS EN 1125.

Standard model suitable for door widths as narrow as 700mm.

Available with standard mortice rim cylinder and lever, allowing external access.

Extruded aluminium touch bar, anodised finish with coloured alloy end caps to match.

All Axim Panic Exit Hardware is supplied with comprehensive instructions and full size templates for ease of installation.

MODEL SELECTION

Determine the hand of the door using the above diagram and enter the correct designation after the series number.

Example:
PR7300-AL-LHRB

ACCESSORIES

Rim cylinder for access from outside
RC-795-AL - 46mm to 54mm DOOR STILE- Silver
RC-797-AL - 46mm to 67mm DOOR STILE - Silver
RC-795-AL-S - 46mm to 54mm DOOR STILE - Silver
RC-797-AL-S - 46mm to 67mm DOOR STILE - Silver

Locking handle
LH-750-AL - 46mm DOOR STILE - Silver
LH-755-AL - 67mm DOOR STILE - Silver

SUGGESTED SPECIFICATION

Rim Mounted Panic Exit devices with touch bar fitted to inside face of the door. Door shall be latched except during operation cycle or held open using cylinder key or when touch bar is locked down with hexagonal dogging key.
Operating Touch Bar and housing not to exceed 66mm projection.
All mounting screws to be concealed.
Handles and mechanism will be fitted with heavy duty springs for durability.
Ref: AXIM PR-7300 (Hand as specified)

GUARANTEE

AXIM HANDLES ARE GUARANTEED FOR 12 MONTHS AGAINST DEFECT IN MATERIAL AND WORKMANSHIP. THIS GUARANTEE IS VOID IF THE PRODUCT HAS BEEN INCORRECTLY INSTALLED OR DAMAGED IN USE. CLAIMS FOR DAMAGE INCURRED OR WORK DONE THEREON WILL NOT BE ACCEPTED.
AXIM RESERVE THE RIGHT TO UPDATE ITS PRODUCT SPECIFICATIONS WITHOUT PRIOR NOTICE.

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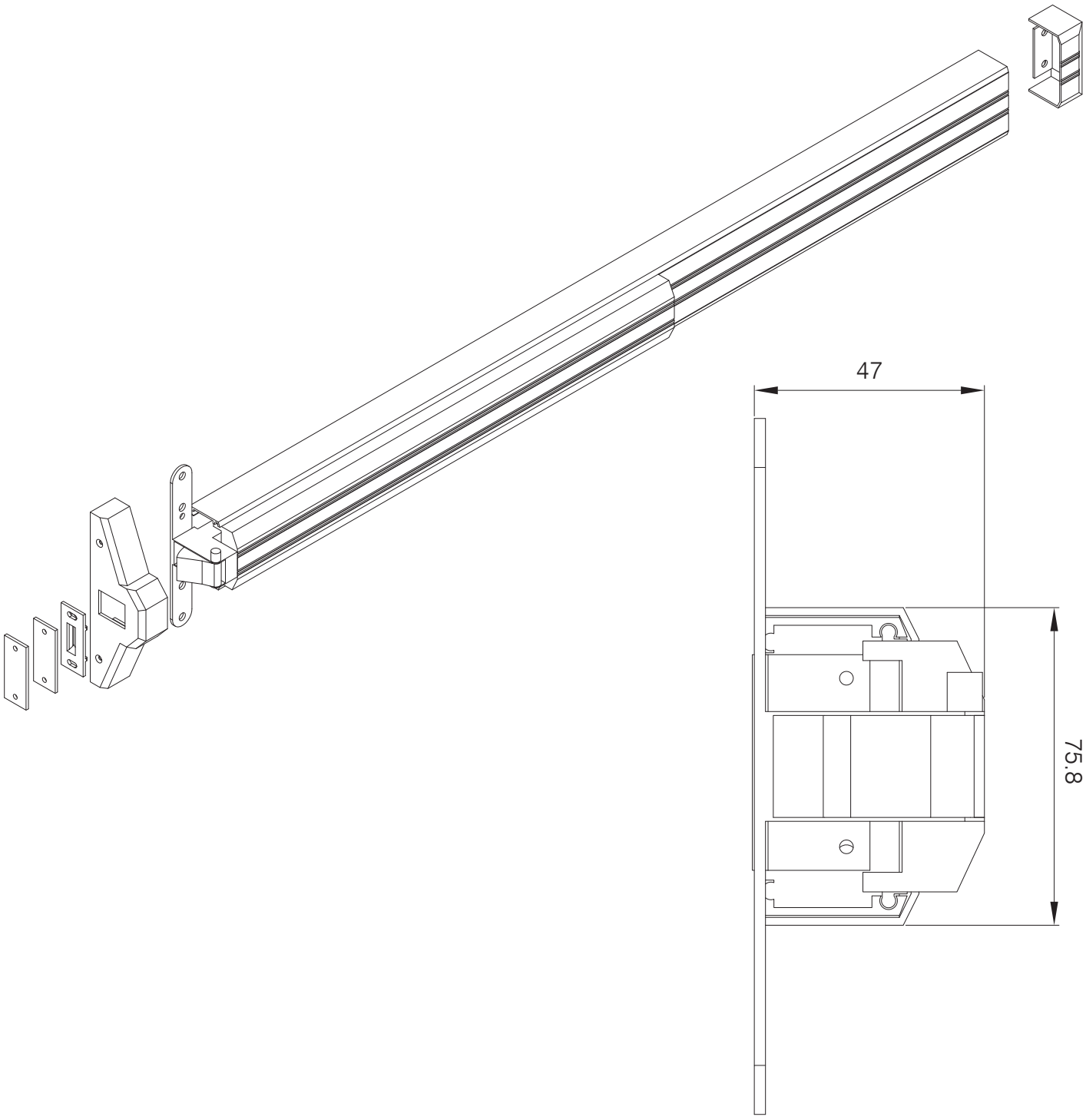
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Axim	TITLE **RIM MOUNTED SOFT TOUCH BAR PR-7300 SERIES**	SHEET No. **4:41**
	SUB TITLE **RIM MOUNTED TOUCH BAR PANIC EXIT DEVICE PR-7300**	

Panic exit device:
PR-7300-AL - 42” flat touch bar (non handed) - Silver



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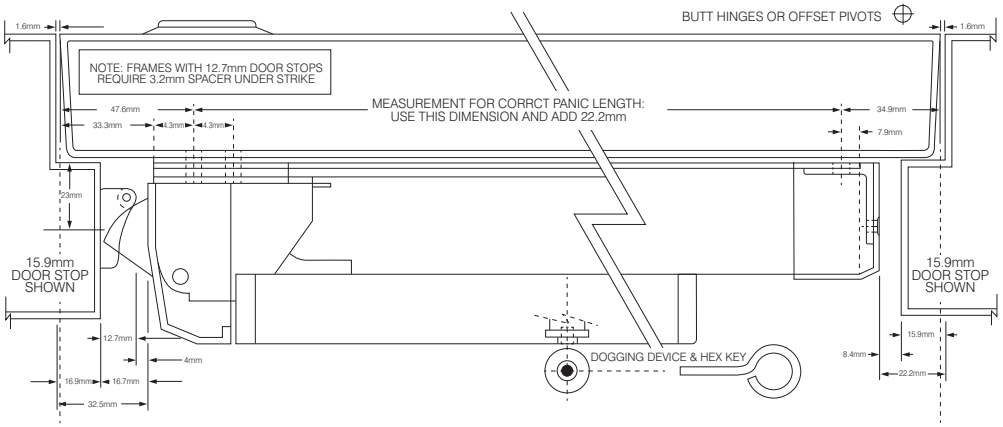
Axim	TITLE **RIM MOUNTED SOFT TOUCH BAR PR-7300 SERIES**	SHEET No. **4:42**
	SUB TITLE **INSTALLATION INSTRUCTIONS. MODERN, FLAT TOUCH BAR, RIM, PANIC EXIT DEVICE HOLLOW METAL OR WOOD DOORS**	

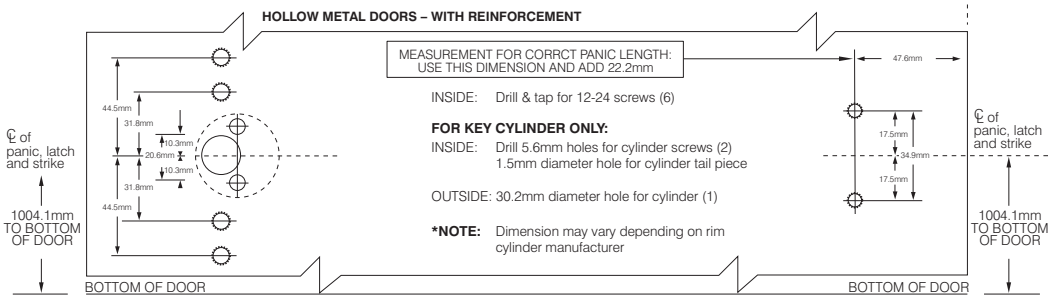
HOLLOW METAL DOORS – WITH REINFORCEMENT INSTALLATION INSTRUCTIONS

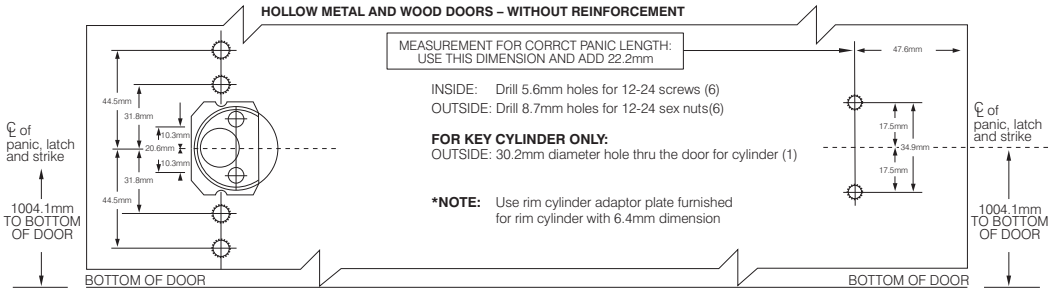
1. Determine hand of door and prepare inside face of Lock and Hinge Side as shown.
2. **NOTE: For Key Cylinder Only**
   If key cylinder is to be used, prepare inside and outside face of Lock Stile of door as shown. Cut spindle of Rim Cylinder to project thru the door 4mm. Install Rim Cylinder and secure with (2) 12-24 Fillister Head Machine Screws.
   NOTE: Cut off excess Screw length at break-off points as required.
3. Measure for correct Panic length. Measure distance from centreline of mounting holes on Lock and Hinge side of door as indicated AND ADD 22.2mm. Mark the measurement on back of the Panic from Latch End towards the Hinge End to be cut. Stuff a rag in the end of the Back Channel prior to cutting off excess length so that metal chips will not get into the mechanism. Protect the area to be cut and then cut to correct length.
4. Drill (2) clearance holes for 12-24 Machine Screws and Hinge End of Back Channel as indicated. Attach Hinge End of Panic and Hinge End Mounting Bracket LOOSLEY on Hinge Side with (2) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2)#12*31.8mm Pan Head All-Purpose Screws and Lock Washers.
5. Install (2) 1/4-20 Shoulder Studs on Lock Side. Position Latch End of Panic over Hex Mounting Studs. Secure with (2) 1/4-20 Hex Nuts and Lock Washers; also with (4) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers or (4) 12-24*25.4mm Pan Head All-Purpose Screws and Lock Washers. Tighten the (2) screws on the Hinge End Mounting Bracket.
   NOTE: If Key Cylinder is used, Cylinder Spindle must be inserted into Coupling Boss prior to fastening Latch End on door.
6. Attach Latch End Cover and Hinge End Cover with (4) 8-32*12.7mm Flat Head Thread Cutting Machine Screws.
7. Place Strike on Lock Jamb as shown, (Centred on Latch). Mark and Drill Jamb for (2) 10-24*19.1mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2)#10*31.8mm Pan Head All Purpose Screws and Lock Washers.
8. Position Latch End of Panic over Hex Mounting Studs, Secure Latch End of Panic with (2) 1/4-20 Hex Nuts and Lock Washers, Tighten the (2) screws on the Hinge End Mounting Bracket, put crank into Latch End Housing, making sure that Link fits over end pin, insert screw into crank and tighten.
9. Attach Latch End Cover and Hinge End Cover with (4)8-32*12.7mm Flat Head Thread Cutting Machine Screws.
   NOTE: Use Spacers provided if required.

HOLLOW METAL AND WOOD DOORS – WITHOUT REINFORCEMENT INSTALLATION INSTRUCTIONS

1. Determine hand of door and prepare inside face of Lock and Hinge Side as shown.
2. **NOTE: For Key Cylinder Only**
   If key cylinder is to be used, prepare inside and outside face of Lock Stile of door as shown. Cut spindle of Rim Cylinder to project thru the door 4mm. Install Rim Cylinder and secure with (2) 12-24 Fillister Head Machine Screws.
   NOTE: Cut off excess Screw length at break-off points as required.
3. Measure for correct Panic length. Measure distance from centreline of mounting holes on Lock and Hinge Side of door as indicated AND ADD 22.2mm. Mark the measurement on the back of the Panic from Latch End towards the Hinge End to be cut. Stuff a rag in the end of the Back Channel prior to cutting off excess length so that metal chips will not get into the mechanism. Protect the area to be cut and then cut to correct length.
4. Drill (2) clearance holes for 12-24 Machine Screws in Hinge End of Back Channel as indicated. Attach Hinge End of Panic and Hinge End Mounting Bracket LOOSLEY on Hinge side with (2) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers with 12-24*42.9mm Sex Nuts or (2)#12*31.8mm Pan Head All-Purpose Screws and Lock washers.
5. Install (2) 1/4-20 Shoulder Studs on Lock Stile. Position Latch End of Panic over Hex Mounting Studs. Secure with (2) 1/4-20 Hex Nuts and Lock Washers; also with (4) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers with 12-24*42.9mm Sex Nuts or (4)#12*31.8mm Pan Head All-Purpose Screws and Lock Washers. Tighten the (2) screws on the Hinge End Mounting Bracket.
   NOTE: If Key Cylinder is used, Cylinder Spindle must be inserted into Coupling Boss prior to fastening Latch End on door.
6. Attach Latch End Cover and Hinge End Cover with (4) 8-32*12.7mm Flat Head Thread Cutting Machine Screws.
7. Place Strike on Lock Jamb as shown, (Centred on Latch). Mark and Drill Jamb for (2) 10-24*19.1mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2)#10*31.8mm Pan Head All Purpose Screws and Lock Washers.
   NOTE: Use Spacers provided if required.







OPERATING INSTRUCTIONS

TO UNLOCK DOOR USING CYLINDER KEY:

Turn key approximately 1/4 turn in either direction and open door, return key to centre and remove. **NOTE:** Cylinder Key WILL NOT dog unit. Dogging is from inside with Hex Dogging Key only.

DOGGING USING DOGGING KEY:

Fully depress Touch Bar and hold. Using Hex Dogging Key **push in** Dogging Device and turn **clockwise** approximately 1/2 turn.

TO RELEASE DOGGING KEY DOGGING:

Hold Touch Bar down. Using Hex Dogging Key **push in** Dogging Device and turn **counterclockwise** approximately 1/2 turn. Dogging will be released.

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Axim	TITLE **RIM MOUNTED SOFT TOUCH BAR PR-7300 SERIES**	SHEET No. **4:43**
	SUB TITLE **INSTALLATION INSTRUCTIONS. MODERN, FLAT TOUCH BAR, RIM, PANIC EXIT DEVICE ALUMINIUM STOREFRONT DOORS**	

INSTALLATION INSTRUCTIONS

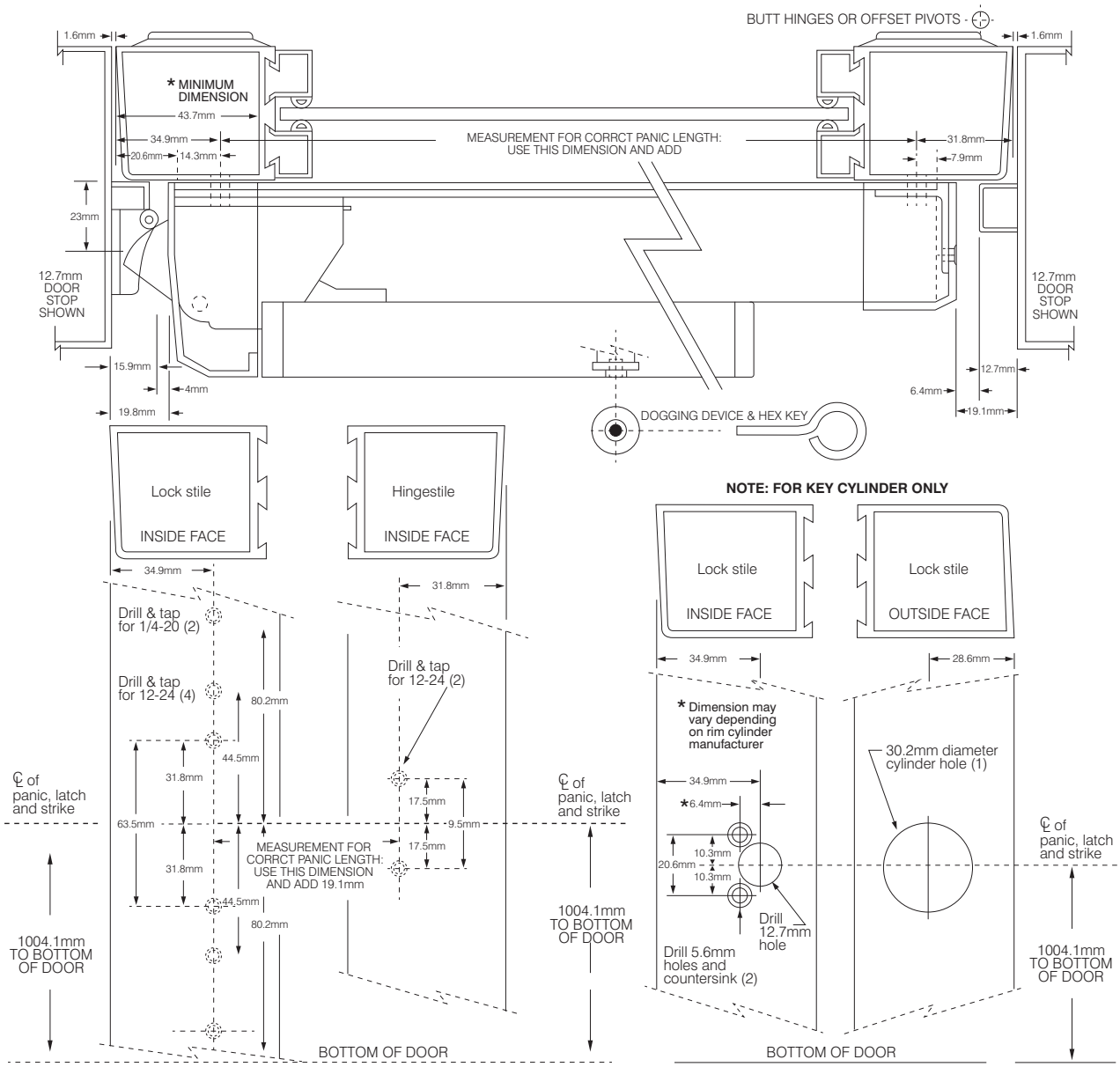
1. Determine hand of door and prepare inside face of Lock and Hinge Stile as shown.
2. **NOTE: For Key Cylinder Only**
   If key cylinder is to be used, prepare inside and outside face of Lock Stile as shown. Cut spindle of Rim Cylinder to project thru the door 4mm. Install Rim Cylinder and secure with (2) 12-24 Fillister Head Machine Screws.
   NOTE: Cut off excess Screw length at break-off points as required.
3. Measure for correct Panic length. Measure distance from centreline of mounting holes on Lock and Hinge Stiles of door as indicated AND ADD 22.2mm. Mark the measurement on the back of the Panic from Latch End towards the Hinge End to be cut. Stuff a rag in the end of the Back Channel prior to cutting off excess length so that metal chips will not get into the mechanism. Protect the area to be cut and then cut to correct length.
4. Drill (2) clearance holes for 12-24 Machine Screws in Hinge End of Back Channel as indicated. Attach Hinge End of Panic and Hinge End Mounting Brack LOOSLEY on Hinge Stile with (2) 12-24*2525.4mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2) #12-24*25.4mm Pan Head All-purpose Screws and Lock Washers.
5. Install (2) 1/4-20 Shoulder Studs on Lock Stile. Position Latch End of Panic over Hex Mounting Studs. Secure with (2) 1/4-20 Hex Nuts and Lock Washers; also with (4) 12-24*25.4mm Pan Head Thread Cutting Machine Screws and Lock Washers or (4) #12*31.8mm Pan head All-Purpose Screws and Lock Washers. Tighten the (2) screws on the Hinge End Mounting Bracket.
   NOTE: If Key Cylinder is used, Cylinder Spindle must be inserted into Coupling Boss prior to fastening Latch End on Lock Stile.
6. Attach Latch End Cover and Hinge End Cover with (4) 8-32*12.7mm Flat Head Thread Cutting Machine Screws.
7. Place Strike on Lock Jamb as shown, (Centred on Latch). Mark and Drill Jamb for (2) 10-24*19.1mm Pan Head Thread Cutting Machine Screws and Lock Washers or (2)#10*31.8mm Pan Head All Purpose Screws and Lock Washers.
   NOTE: 3.2mm Spacer must be used under Strike on a Frame. Use extra Spacer provided if required.

OPERATING INSTRUCTIONS

TO UNLOCK DOOR USING CYLINDER KEY:
Turn key approximately 1/4 turn in either direction and open door, return key to centre and remove.
NOTE: Cylinder Key WILL NOT dog unit. Dogging is from inside with Hex Dogging Key only.

DOGGING USING DOGGING KEY:
Fully depress Touch Bar and hold. Using Hex Dogging Key **push in** Dogging Device and turn **clockwise** approximately 1/2 turn.

TO RELEASE DOGGING KEY DOGGING:
Hold Touch Bar down. Using Hex Dogging Key **push in** Dogging Device and turn **counterclockwise** approximately 1/2 turn. Dogging will be released.



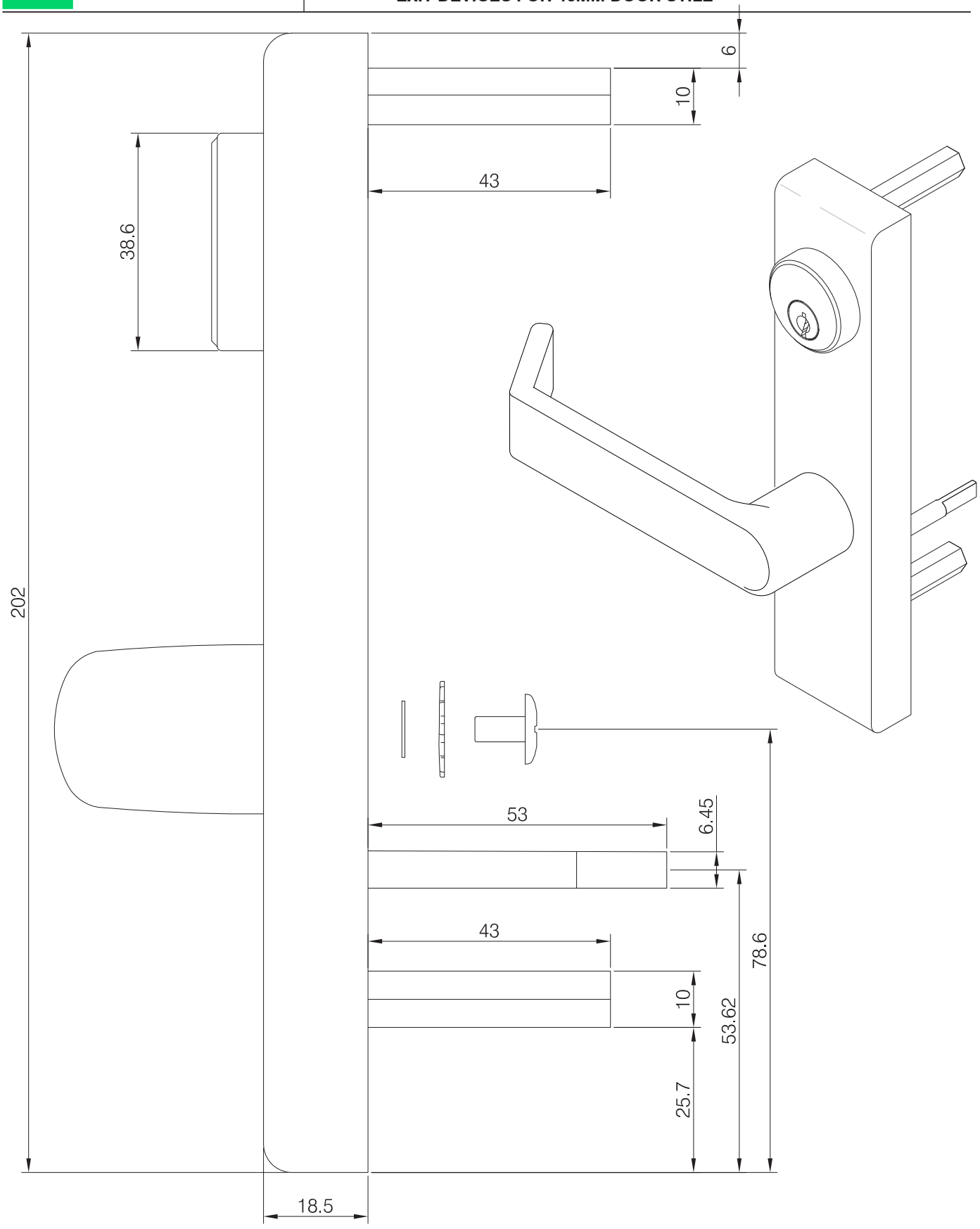
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	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-750-AL EXIT DEVICES FOR 46MM DOOR STILE**	



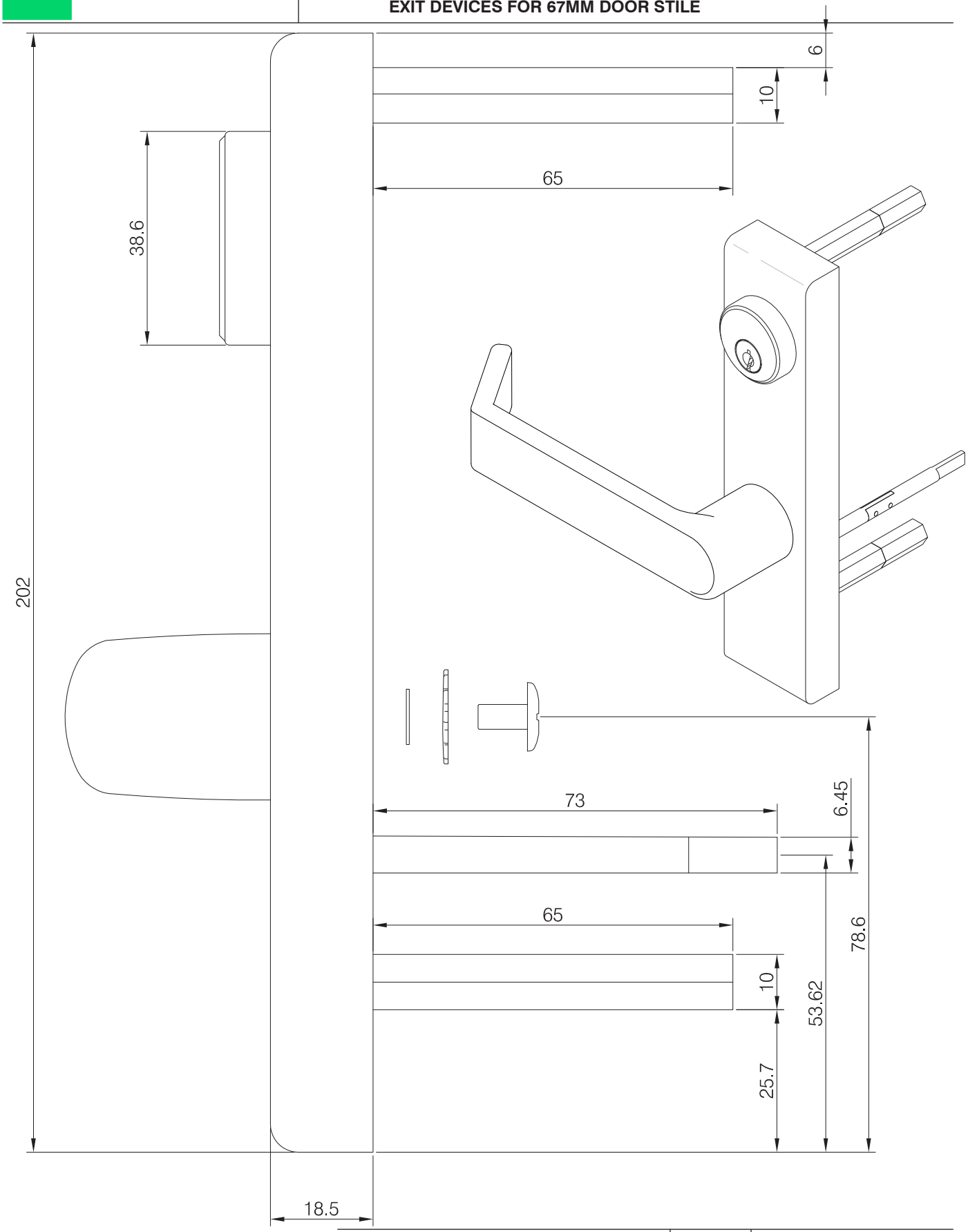
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Axim	TITLE: **RIM-MOUNTED SOFT TOUCH BAR PR-7300 SERIES EXIT DEVICE**	SHEET No. **4:45**
	SUB TITLE: **KEY CONTROLLED OUTSIDE TRIM LOCKING HANDLE LH-755-AL EXIT DEVICES FOR 67MM DOOR STILE**	



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Introduction

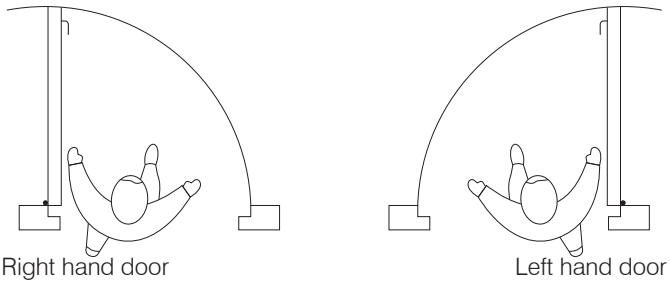
Axim Emergency Exit Hardware is guaranteed for a period of 12 months from the date of manufacture against defect in material and workmanship. The guarantee is void if the product has been incorrectly installed or damaged in use. The following notes provide information relating to correct specification of hardware and outlines recommended maintenance procedures which should ensure the hardware will operate trouble free for many years.

There are many types of emergency exit devices and this document will cover 3 of those types.

- Emergency exit push handle
- Concealed panic bolt push bar
- Panic Latch push bar.

Some of these types are handed and Fig. 1 explains how to determine the hand. This is most important when quoting hardware and helps eliminate costly mistakes.

Door handing fig.1



Right hand door

Left hand door

Emergency exit push handle / push bar with concealed locking rods

The emergency exit push handle comprises a handed push paddle which operates concealed locking rods. This type is designed for use with hollow doors i.e. aluminium, steel or PVCu. It is not suitable for timber doors. The push bar type uses the same internal mechanism which is activated by the full width crash bar. The mechanism may be connected to either housing and therefore the unit is non-handed.

It is important to realise the internal handles are designed to be pushed in an emergency to release the door and although the handles are used to pull the door closed to reset the hardware. They are not intended to be used in high traffic areas where the handles are used to pull doors closed on regular intervals.

If installed correctly the hardware requires little maintenance, however, the following instructions will extend the life of the product if carried out on a regular basis.

Six monthly maintenance

Check that the emergency exit hardware operates and the door can be opened in the correct manner. Ensure the door operates smoothly and carry out routine maintenance as per door manufacturers instructions.

With the door open depress the bar or paddle handle and release, the bolts should remain retracted whilst the door is in this open position.

The top bolt should clear the underside of the transom by no less than 3mm. In most cases this will be level with the top of the door. With the door still open activate the trip mechanism, positioned at the top of the door on the closing face, the bolts should throw immediately.

It is important that the catch operates correctly, especially in the case of fire doors and alarmed door which will otherwise remain ajar or unlocked. If adjustment is necessary remove the screws securing the nylon guide block in place. Take care not to allow it to drop down inside the stile.

Remove the nylon block and lubricate the steel catch until the spring and catch operate freely.

If the bolt position requires height adjustment, turn the bolt head until the correct projection is achieved. Ensure the bolt retracts completely when depressing the panic bar or handle.

Refit the guide block by reverse procedure.

Adjustment to the bottom bolt can be carried out in the same way.

Check the housing to both door stiles for the push bar type or the single housing for the push paddle type. The housings can be removed by slackening the 3 No.15/32” x 1/4” set screws with a 3mm Allen key. The active housing can be removed from the door by sliding out the connecting pin from the actuator pin. This will present the 2 No. shoulder bolts which should be secured firmly. If an outside rim cylinder has also been fitted 2 No. screws should also be visible, check these screws are secure taking care not to over tighten. The operating mechanism can be lubricated with a spray grease through the actuator pin slot and the housing reinstated by reverse procedure.

If faults can not be rectified using the information above contact the supplier for further advice.

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Panic exit latch

The emergency exit panic latch utilises a push bar which operates a latch. This type is designed for use with hollow doors i.e. aluminium, steel or PVCu. For use with timber doors fixing plates must be fabricated to accept the shoulder bolts supplied. The latch type mechanisms are handed and cannot be altered in the field.

It is important to realise the internal handles are designed to be pushed in an emergency to release the door and although the handles are used to pull the door closed to reset the hardware. They are not intended to be used in high traffic areas where the handles are used to pull door closed on regular intervals.

If installed correctly the hardware requires little maintenance, however, the following instructions will extend the life of the product is carried out on a regular basis.

Six monthly maintenance

Check that the emergency exit hardware operates and the door can be opened in the correct manner. Ensure the door operates correctly, without binding and carry out routine maintenance as per door manufacturers instructions.

With the door open, depress the bar and release, the latch bolt should retract fully and return to its normal position. Each housing can be removed by slackening the 3 No. 15/32" x 1/4" set screws with a 3mm Allen Key. With the crash bar still attached lift the unit away from the door.

With a light spray grease lubricate the 2 No. return springs and internal components. Do NOT remove the 2 No. pozi head screws at the top of the unit.

Check the 2 No. shoulder bolts to each door stile and secure if necessary. If the door is furnished with an outside rim cylinder, check to ensure correct operation and lubricate with a light graphite lubricant. Do not use oil.

Reinstate the housings in reverse procedure and tighten the set screws. Lightly oil the pivots through the sides of each housing and wipe clean. Check the bar is fitted tightly between the housings. Apply a light lubricant to the roller on the lock keep and adjust the keep position if necessary. Check fixings are all tight.

If faults can not be rectified using the information above contact the supplier for further advice.

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Axim	TITLE **FLUSH BOLT 23mm WIDE FB-6200 SERIES**	SHEET No. **5:01**
	SUB TITLE **TECHNICAL INFORMATION**	

MAXIMUM SECURITY

hardened steel bolt, zinc plated with anti-rattle sleeve.
18mm bolt stroke.
7mm zinc plated steel rod with fully threaded length, easily adapted for non-standard door installations.
Length 305mm (12 inch).
“Centre Punch” tip to mark centre of keep.

Die cast zinc alloy body mechanism.
Fixing holes tapped M5.
Fixings included.
Deep finger recess and large lever for ease of operation.
Corners 2.5mm radius for easy matching of cut out.

FINISHES AVAILABLE

Mill finish - for customers own finish.
Silver - Satin chrome.
White - Powder coat.
Black - Powder coat.

PRODUCT CODES			
LENGTH 305mm (12 inch)	FINISH	FLAT	RADIUS
	MILL	FB-6200-F12	FB-6200-R12
	SILVER	FB-6201-F12	FB-6201-R12
	WHITE	FB-6203-F12	FB-6203-R12
	BLACK	FB-6204-F12	
SHIPPING WEIGHT 2.52Kg. PER 10			

Bolt guide by door manufacturer.

Floor Socket Keep

Sprung loaded, dust resistant, satin chrome finish.

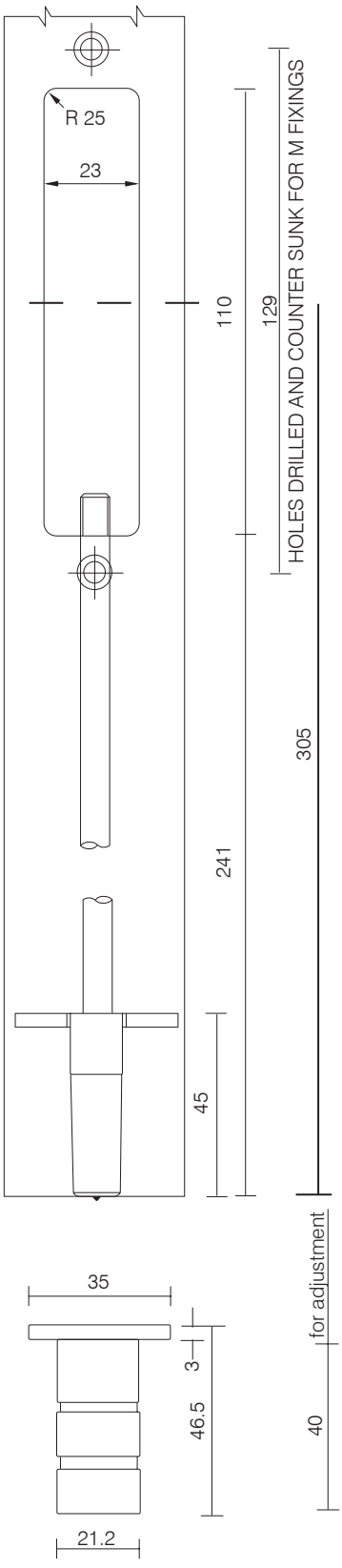
PRODUCT CODE	SOCKET KEEP
	FB-62-035
SHIPPING WEIGHT 2.52Kg. PER 10	

GUARANTEE

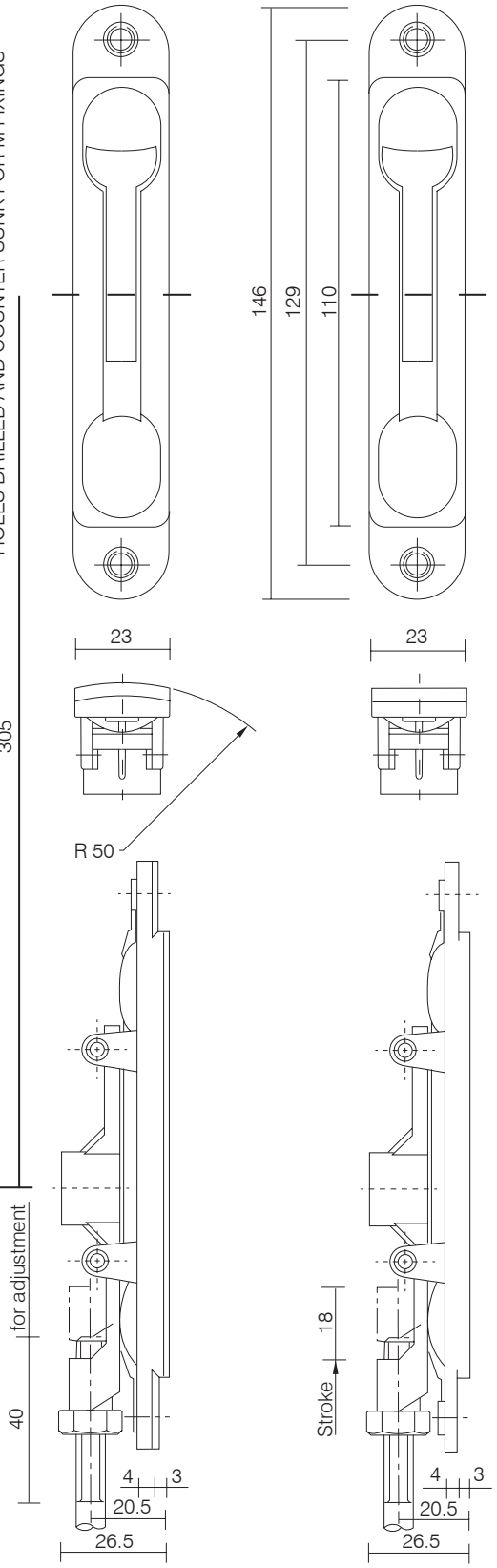
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DOOR PREPARATION



RADIUSED FACED



FLAT FACED

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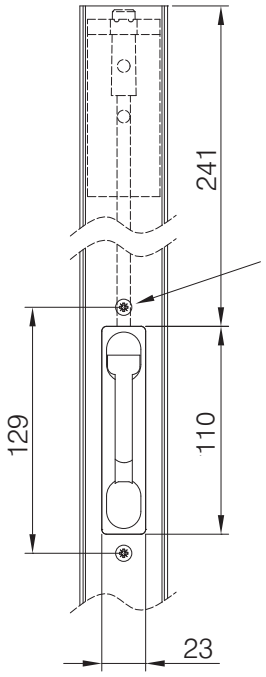
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Axim	TITLE **FLUSH BOLT 23mm WIDE FB-6200 SERIES**	SHEET No. **5:02**
	SUB TITLE **TECHNICAL INFORMATION**	

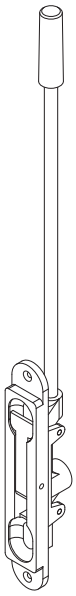
Use flush bolt guide FB-62-040
to support top of flush bolt

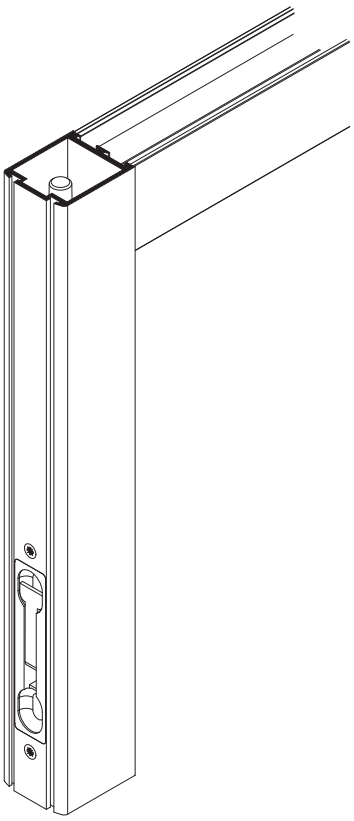


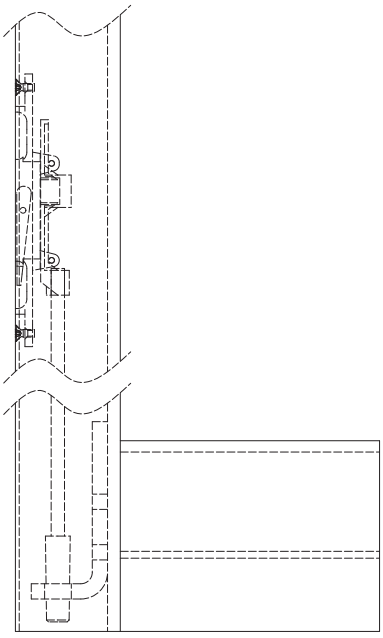
Flush bolt (FB6200) used at top and bottom of stile for locking purposes

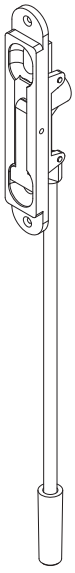
Drill & csk. for M5 typ.

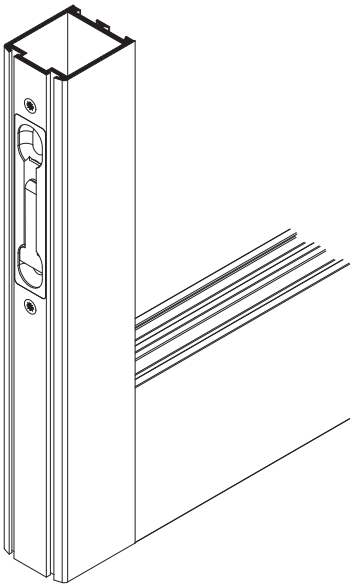
Rout out cutout using 5mm cutter to achieve 2.5mm rads in corners











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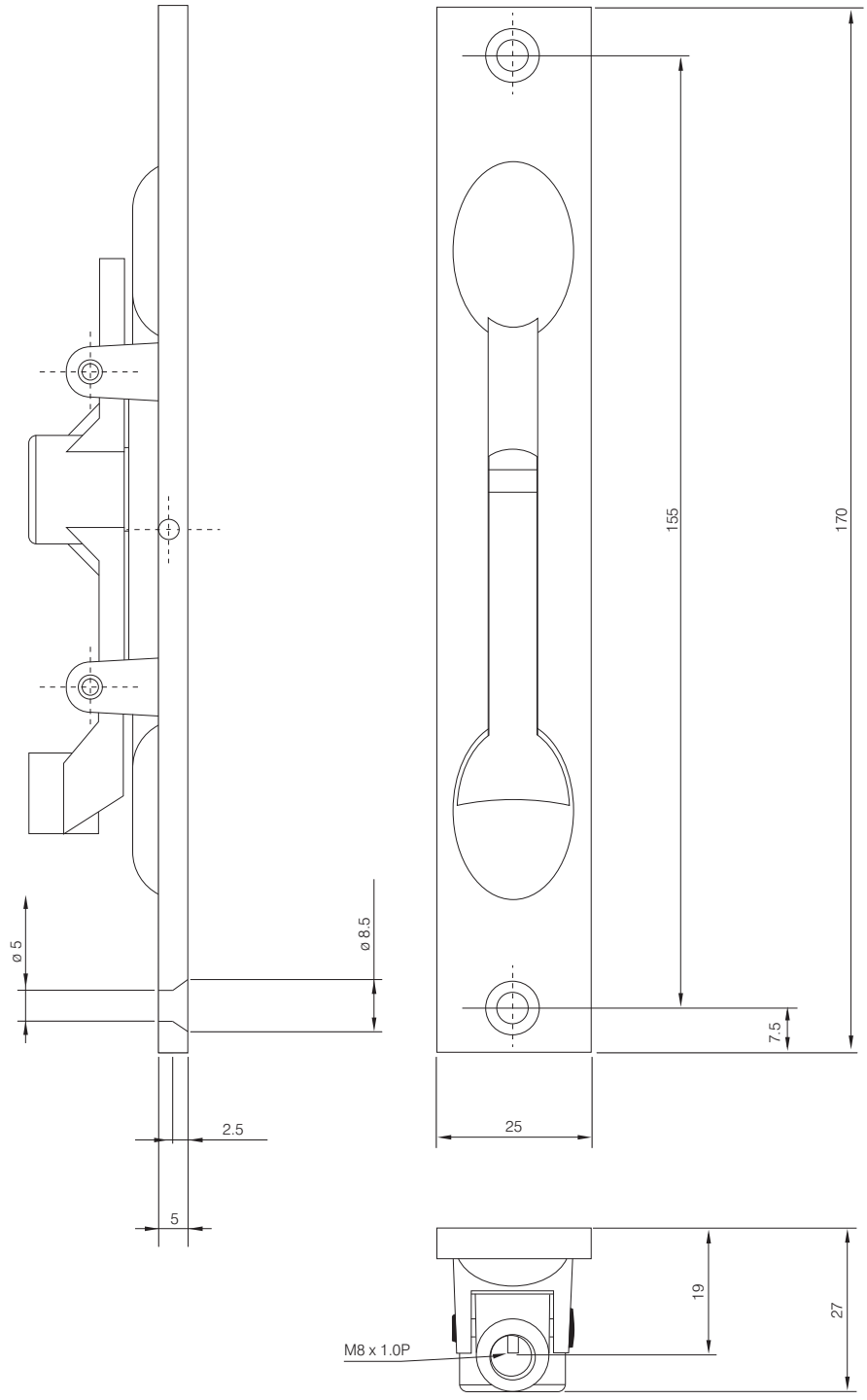
Axim	TITLE **FLUSH BOLT 25mm WIDE FB-6301 SERIES**	SHEET No. **5:03**
	SUB TITLE **DETAILS**	

MAXIMUM SECURITY
hardened steel bolt, zinc plated with anti-rattle sleeve.
18mm bolt stroke.
7mm zinc plated steel rod with fully threaded length, easily adapted for non-standard door installations.
Lengths available 700mm.
“Centre Punch” tip to mark centre of keep.

Die cast zinc alloy body mechanism.
Fixing holes tapped M5.
Fixings included.
Deep finger recess and large lever for ease of operation.

FINISHES AVAILABLE.
Silver.

PRODUCT CODES		
LENGTH 700mm	FINISH	FLAT
	SILVER	FB-6301-F28
SHIPPING WEIGHT 3.86Kg. PER 10		



Bolt guide by door manufacturer.

Floor Socket Keep
Sprung loaded, dust resistant, satin chrome finish.

PRODUCT CODE	SOCKET KEEP
	FB-62-035
SHIPPING WEIGHT 2.52Kg. PER 10	

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Axim	TITLE **FLUSH BOLT 20mm WIDE FB-6401 SERIES**	SHEET No. **5:04**
	SUB TITLE **DETAILS**	

MAXIMUM SECURITY
hardened steel bolt, zinc plated with anti-rattle sleeve.
18mm bolt stroke.
7mm zinc plated steel rod with 30mm thread length, easily adapted for non-standard door installations.
Lengths available 110mm & 230mm.
“Centre Punch” tip to mark centre of keep.

Die cast zinc alloy body mechanism.
Fixing holes tapped M5.
Fixings included.
Deep finger recess and large lever for ease of operation.

FINISHES AVAILABLE.
Silver .

PRODUCT CODES		
LENGTH 110mm	FINISH	FLAT
	SILVER	FB-6401-F045*
SHIPPING WEIGHT 1.72Kg. PER 10		

PRODUCT CODES		
LENGTH 230mm	FINISH	FLAT
	SILVER	FB-6401-F095*
SHIPPING WEIGHT 1.59Kg. PER 10		

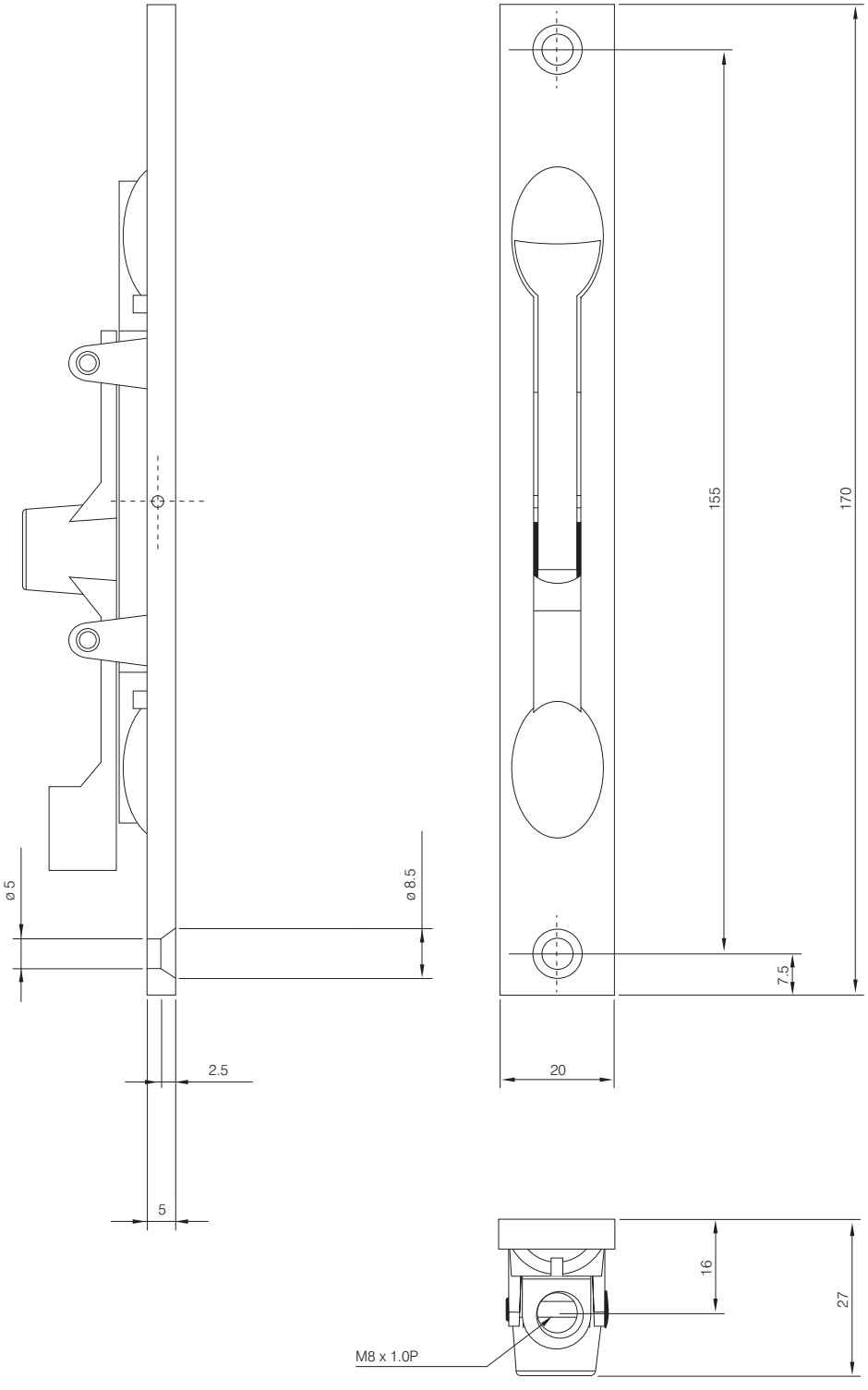
Bolt guide by door manufacturer.

Floor Socket Keep
Sprung loaded, dust resistant, satin chrome finish.

PRODUCT CODE	SOCKET KEEP
	FB-62-035
SHIPPING WEIGHT 2.52Kg. PER 10	

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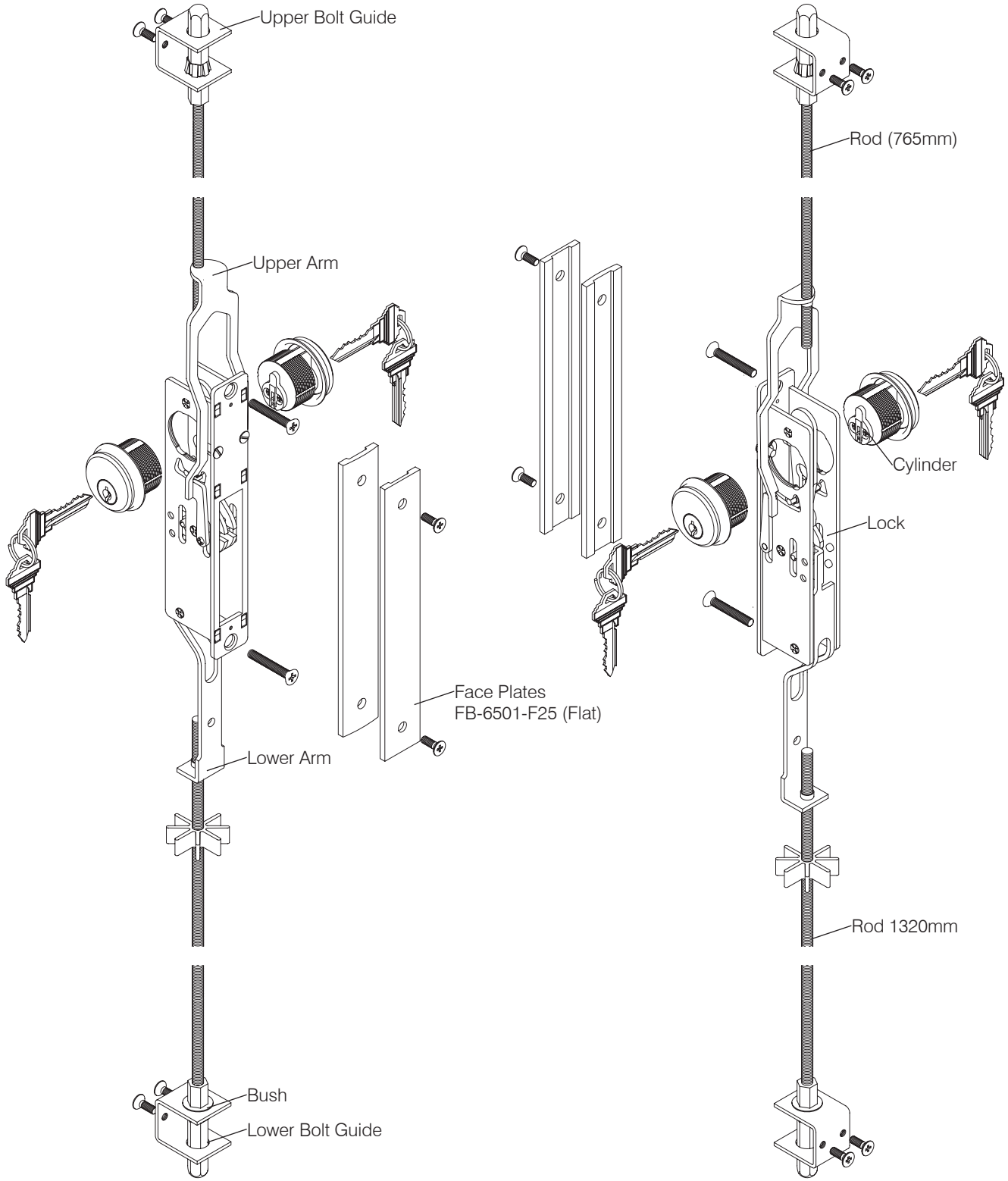
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Axim	TITLE **FLUSH BOLT CYLINDER OPERATED FB-6500 SERIES**	SHEET No. **5:05**
	SUB TITLE **ANNOTATED DETAILS**	



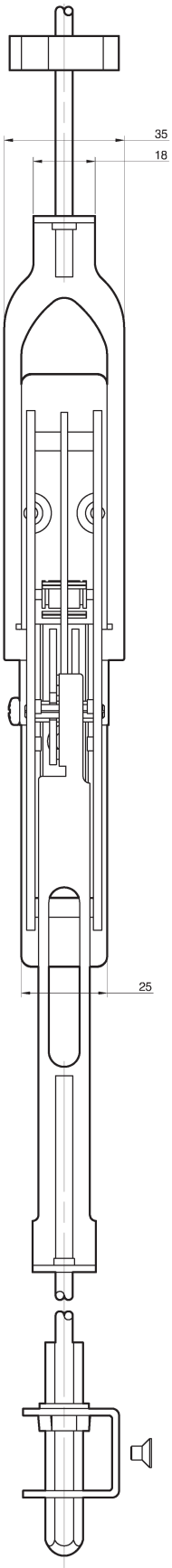
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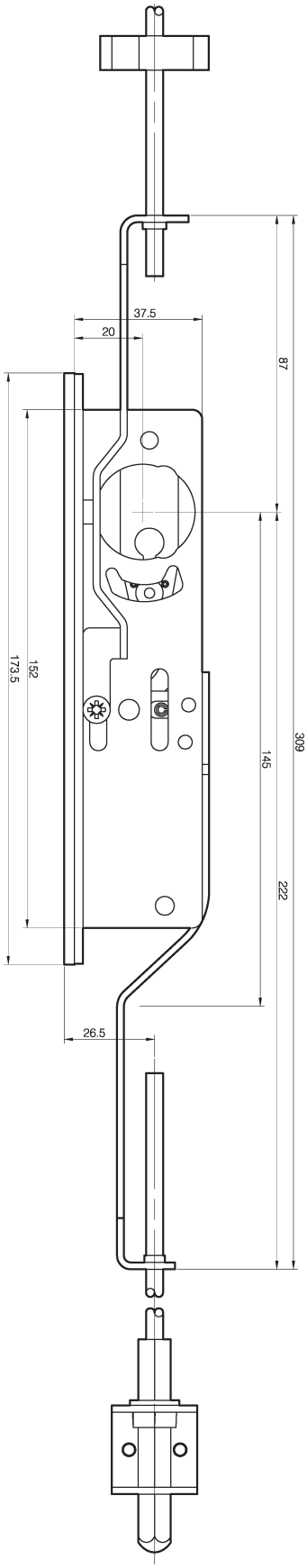
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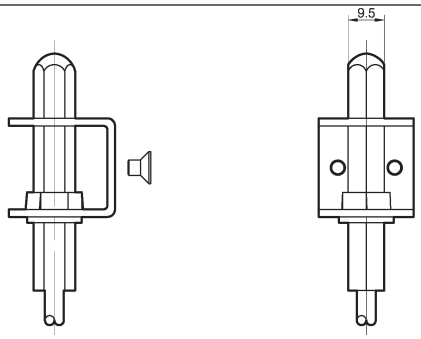
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Axim	TITLE **FLUSH BOLT CYLINDER OPERATED FB-6500 SERIES**	SHEET No. **5:06**
	SUB TITLE **ELEVATIONS & INSTALLATION NOTES**	







Top Bolt & Upper Bolt Guide

Installation Notes:

Install upper arm over lock side plates
lower through the stile
with bolt extended.

Install lower arm
with bolt retracted.

Rod length cut to suite cylinder height
to be approx 180mm less than overall cylinder height

Specifications:

Threshold & Top Bolt:
Stainless steel Hexagonal 9.5mm flat to flat
Bolt Throw = 17.5mm

PRODUCT CODES	
FINISH	FLAT
SILVER	FB-6501-F25

Accessories

Round Cylinder
LK-2100-70 - (Keyed to differ in singles) 46mm DOOR STILE
LK-2100-71 - (Keyed to differ in pairs) 46mm DOOR STILE
RC-785-AL - (Keyed alike in Singles) 46mm DOOR STILE
LK-2100-71-SP - (Keyed alike in pairs) 46mm DOOR STILE
LK-2100-73 - Dummy - 46mm DOOR STILE
LK-2100-75 - Dummy - 67mm DOOR STILE

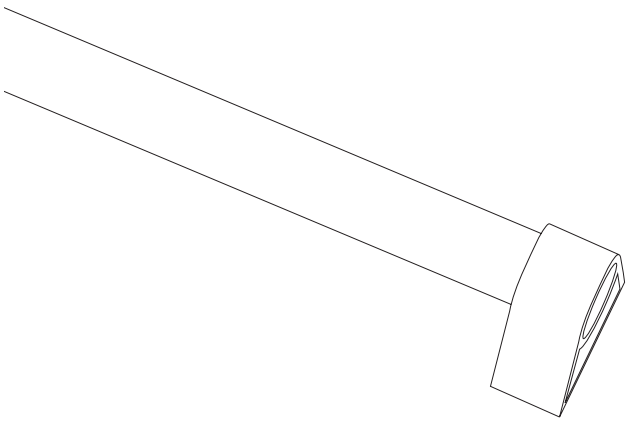
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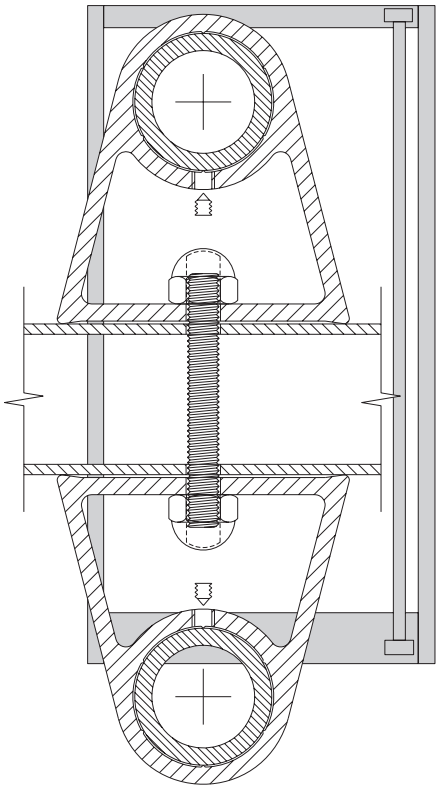
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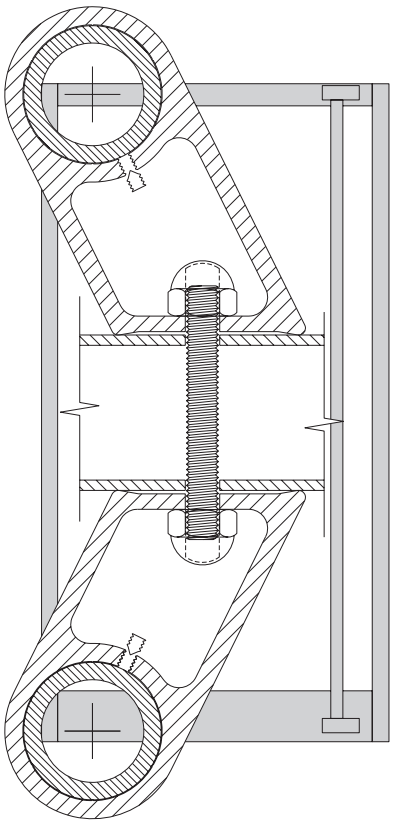
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Axim	TITLE **EXTRUDED ALUMINIUM TUBE HANDLE SET HD-80 SERIES**	SHEET No. **6:01**
	SUB TITLE **TECHNICAL INFORMATION**	







Series HD80
Full height tubular handle sets for use with aluminium, steel and solid timber doors comprising:-
2 No. tubes, 2500mm long
4 No. brackets complete with studs, dome nuts and washers
Extruded aluminium tubes have an outside diameter of 40mm and an inside diameter of 30mm giving a wall thickness of 5mm for minimum deflection even in high traffic areas.
Tubes can be cut to suit requirements after door height has been determined.
Extruded aluminium brackets also have a minimum wall thickness of 5mm for rigidity and are capped to conceal the ends of the tubes.
Each bracket is 85mm wide and 39mm high with a projection of 90mm from the door leaf.
Brackets are drilled to accept the 10mm threaded stud for fixing and drilled and tapped for the M5 grub screws that hold the tube firmly in position eliminating rattle.

Finishes
Tube handle sets are available ex-stock in the following finishes:-
Satin silver aluminium anodised
White polyester powder coated
Mill finish for customers own treatment
Special colours are obtainable to special order. Please contact Sales Office for information.

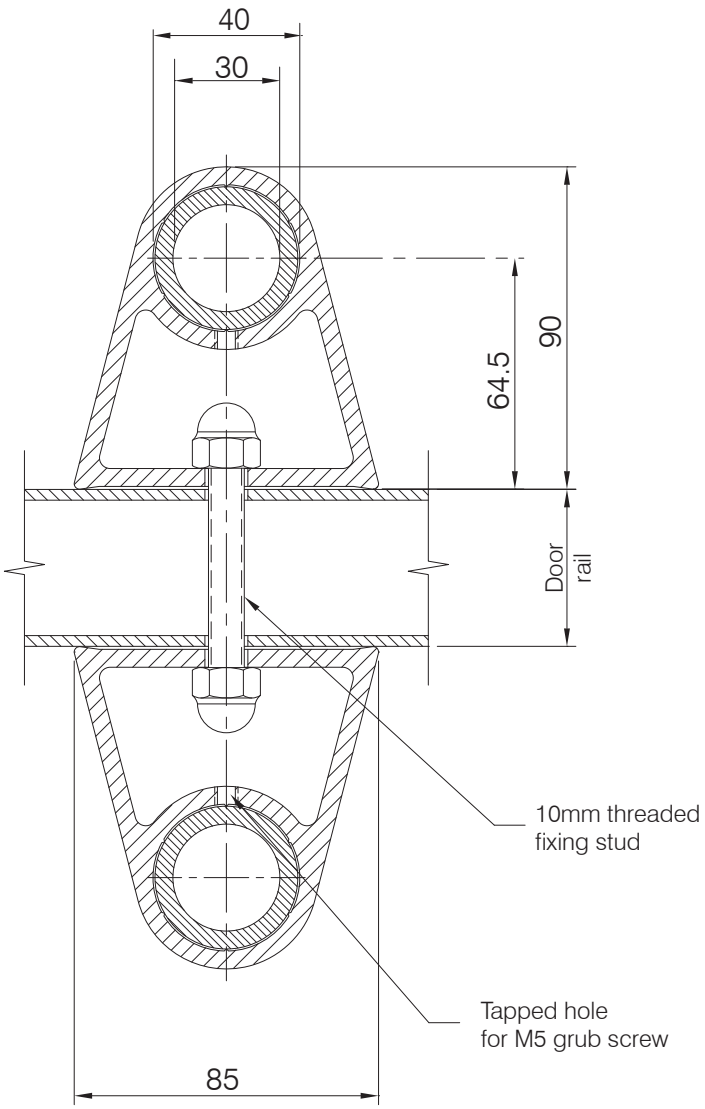
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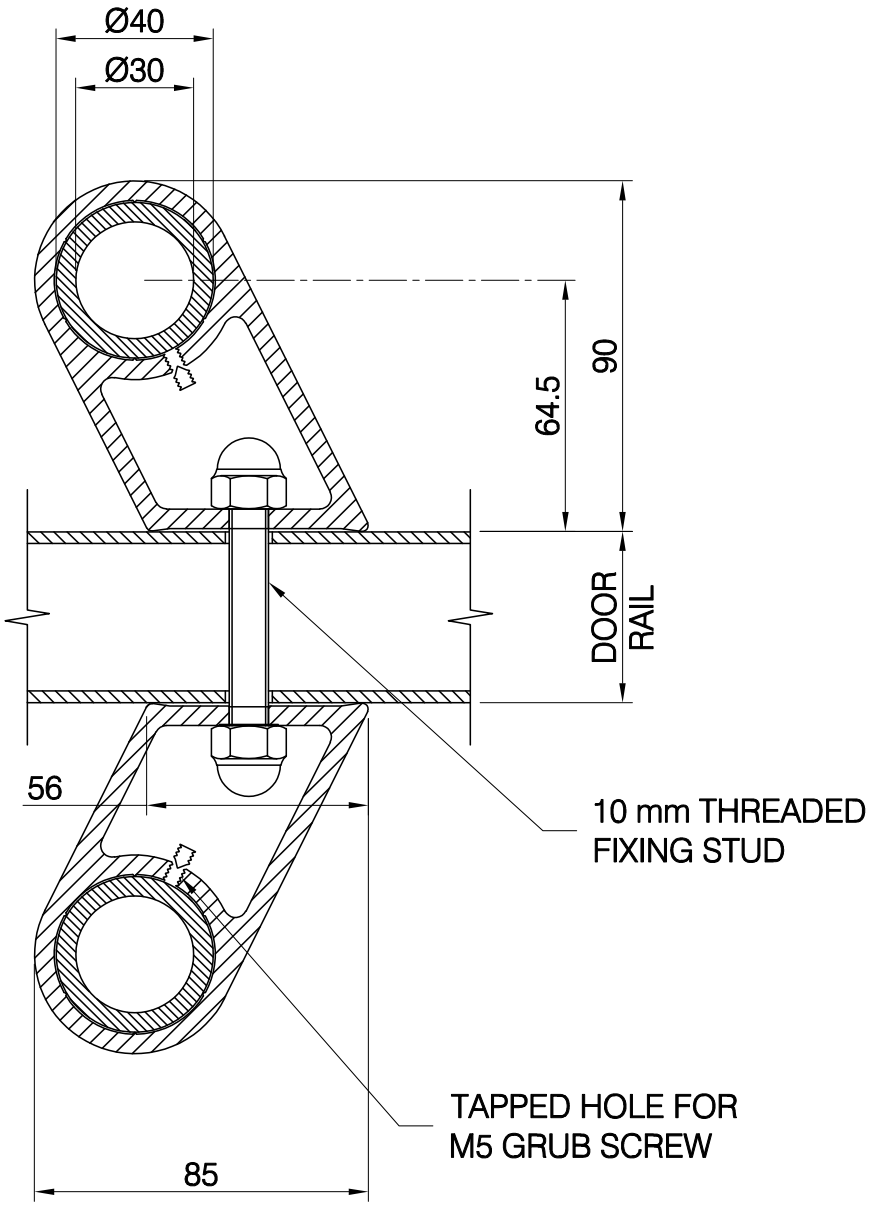


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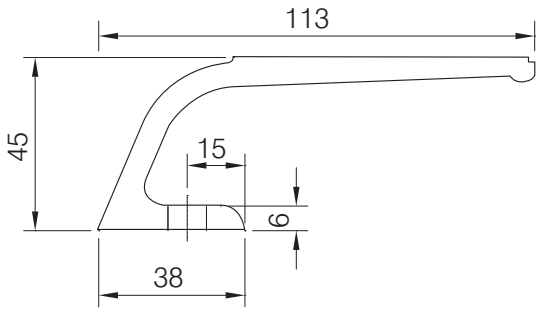
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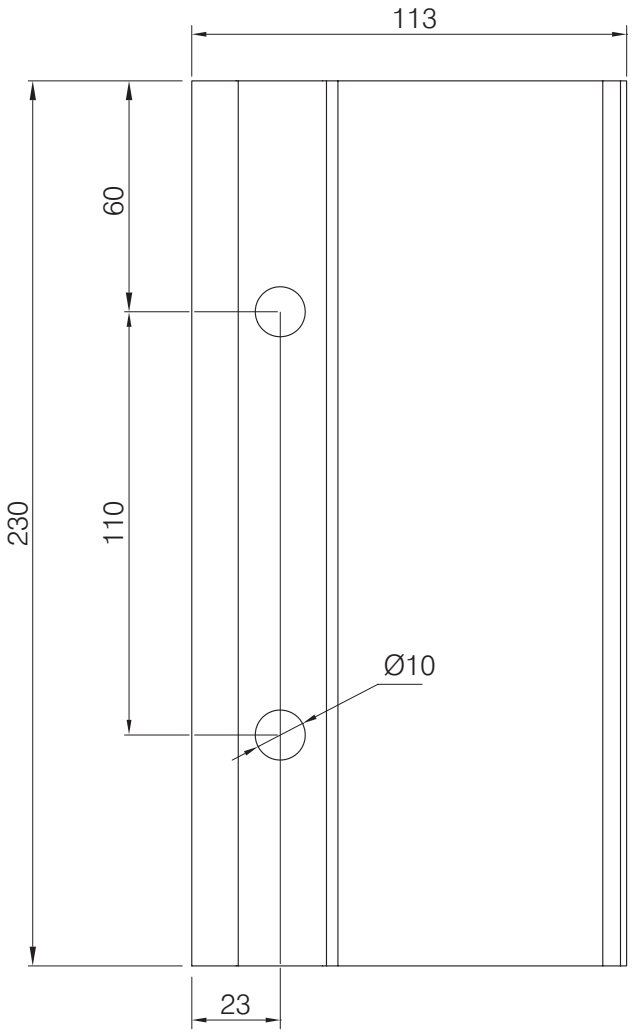
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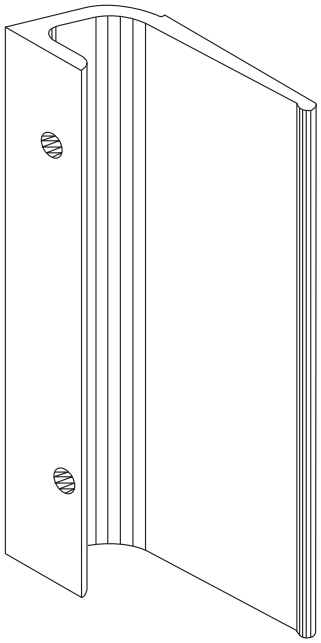
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Axim	TITLE **EXTRUDED ALUMINIUM PAD HANDLE SET HD-90 SERIES**	SHEET No. **6:05**
	SUB TITLE **TECHNICAL INFORMATION 230mm PULL HANDLE WITH 110mm SPACED HOLES**	







ISO view not to scale

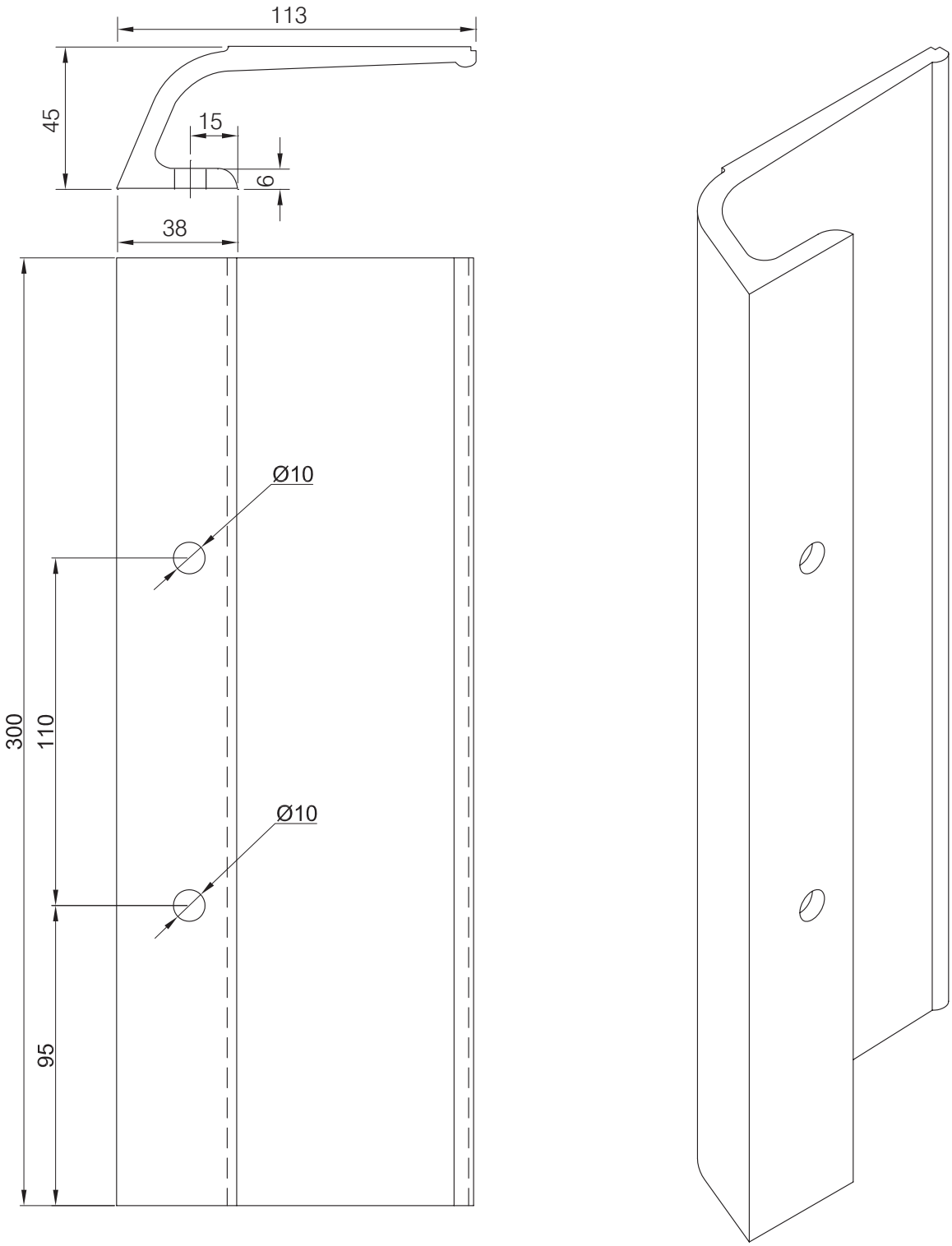
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Axim	TITLE **EXTRUDED ALUMINIUM PAD HANDLE SET HD-92 SERIES**	SHEET No. **6:06**
	SUB TITLE **300mm PULL HANDLE WITH 110mm SPACED HOLES HD-092**	



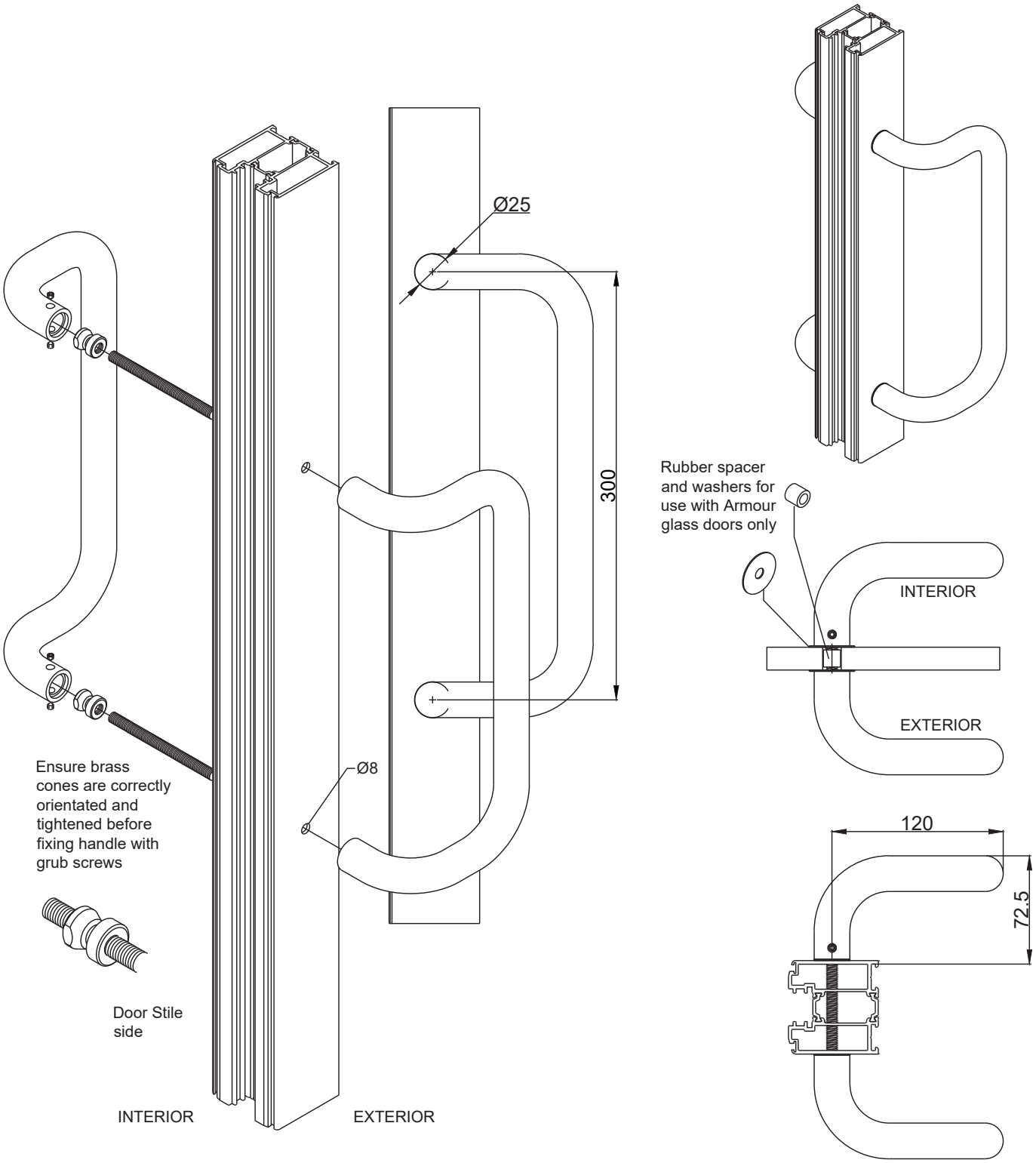
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Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:07**
	SUB TITLE **300mm x 25mm SS CRANKED PULL HANDLE HD-9110-30025**	



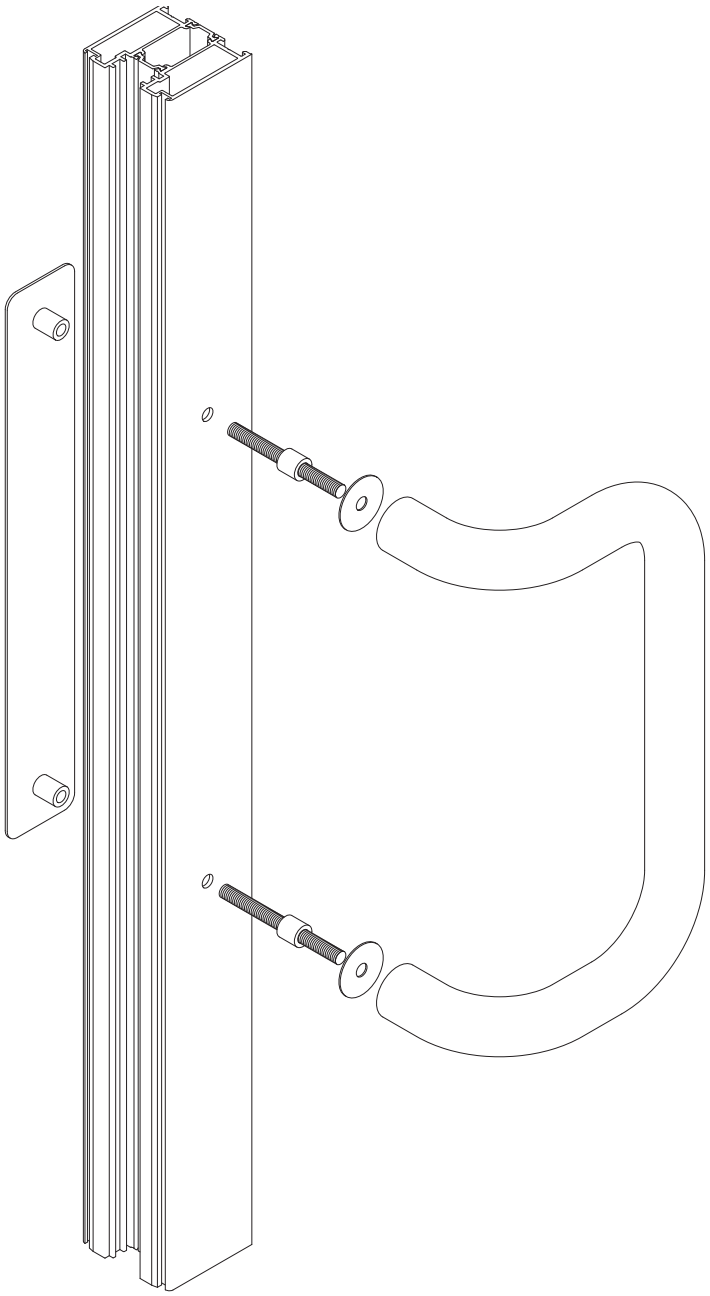
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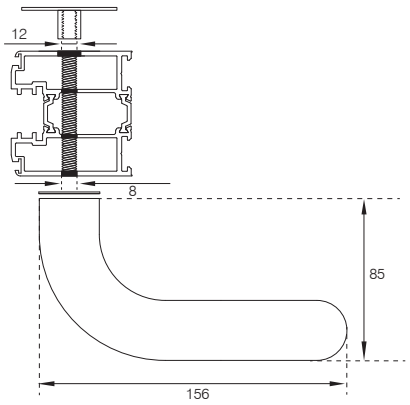
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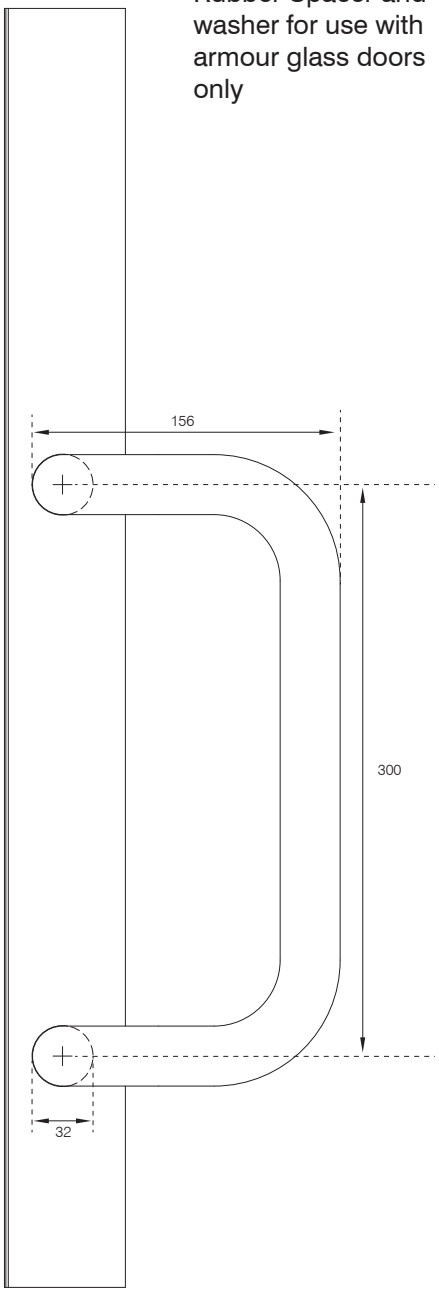
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Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:08**
	SUB TITLE **300mm x 32mm SS SINGLE CRANKED PULL HANDLE HD-9110-30032-S**	





Rubber Spacer and washer for use with armour glass doors only



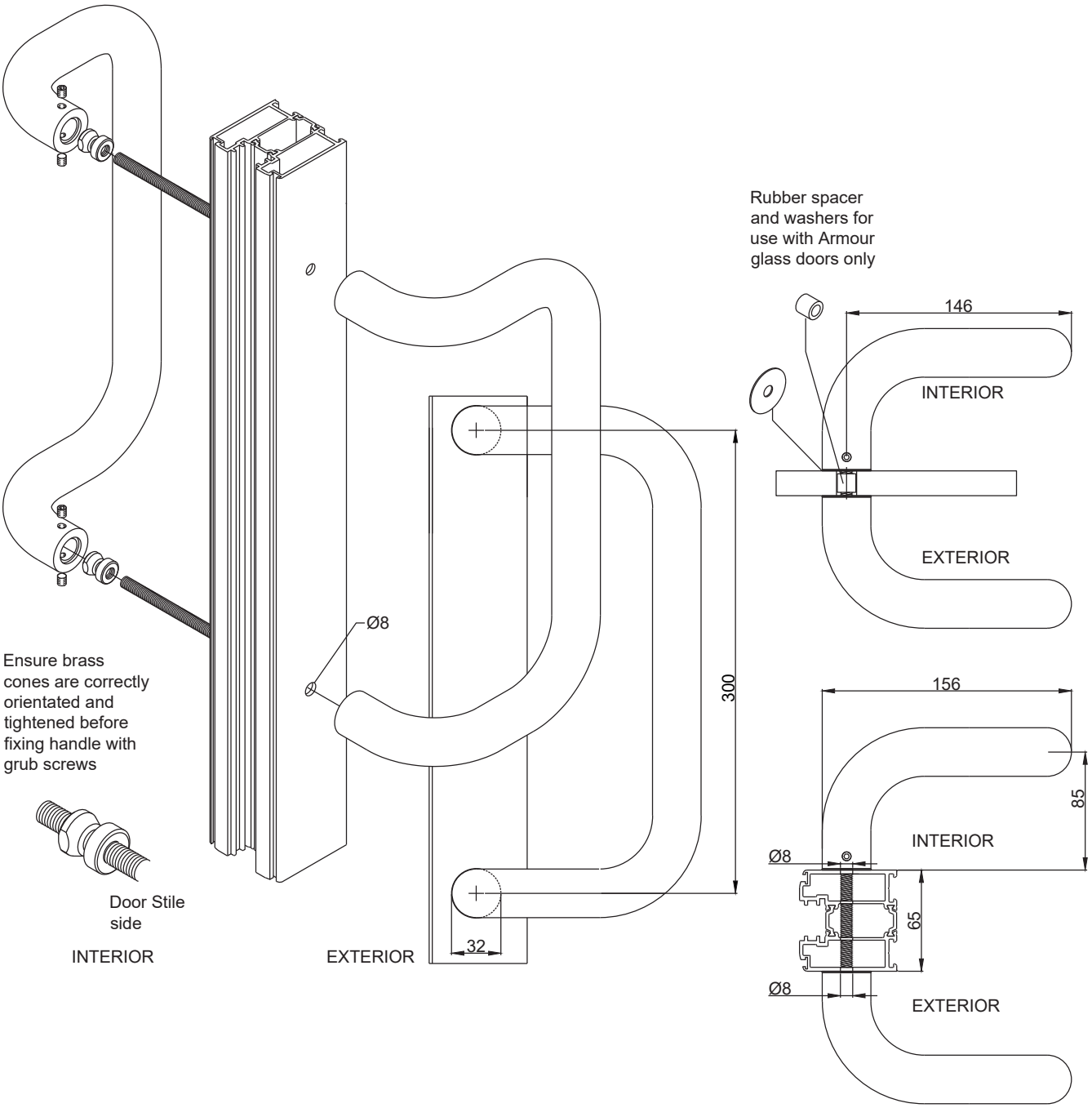
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Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:09**
	SUB TITLE **300mm x 32mm SS CRANKED PULL HANDLE HD-9110-30032**	



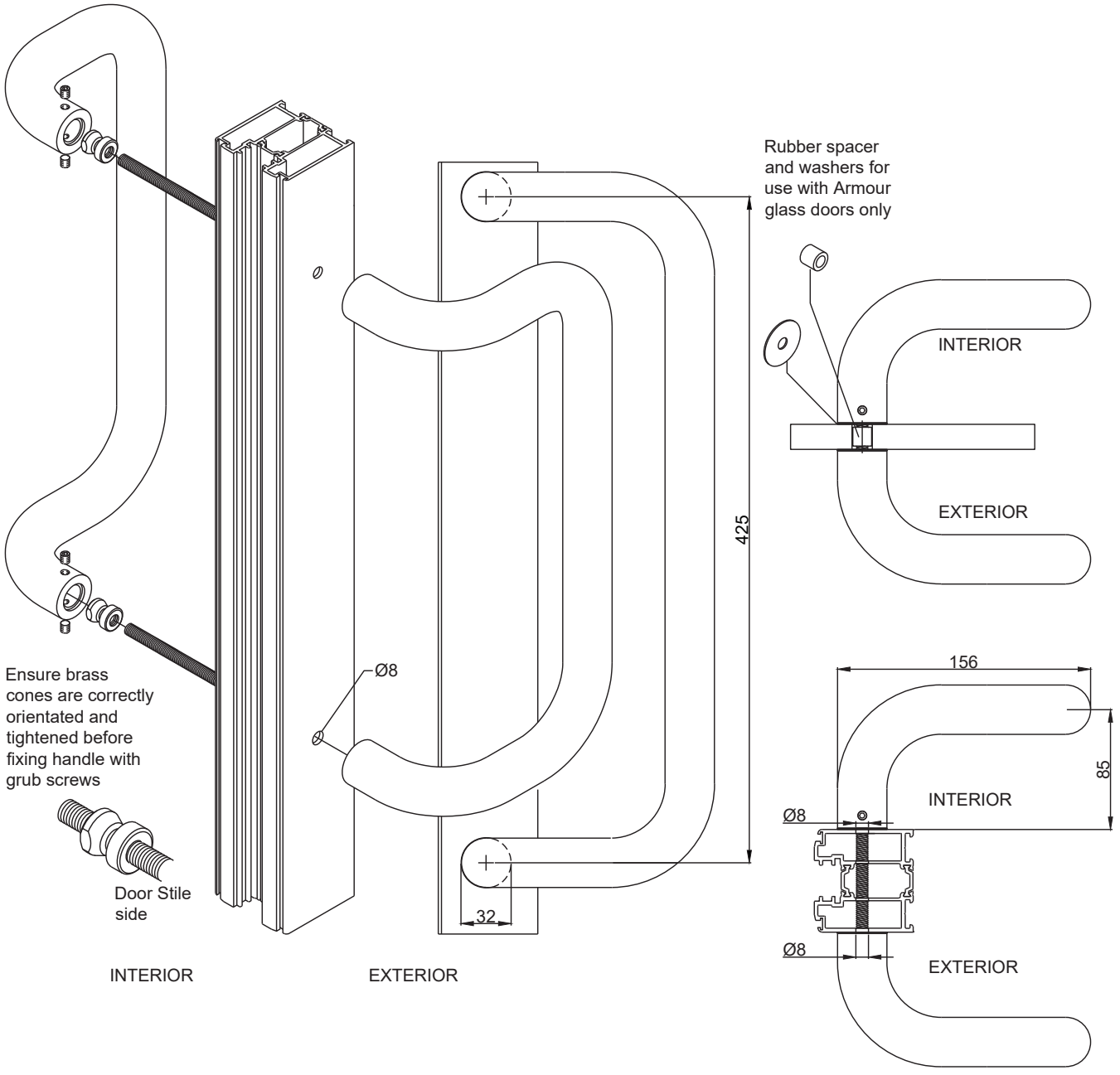
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Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6.10**
	SUB TITLE **425mm x 32mm SS CRANKED PULL HANDLE HD-9110-42532**	



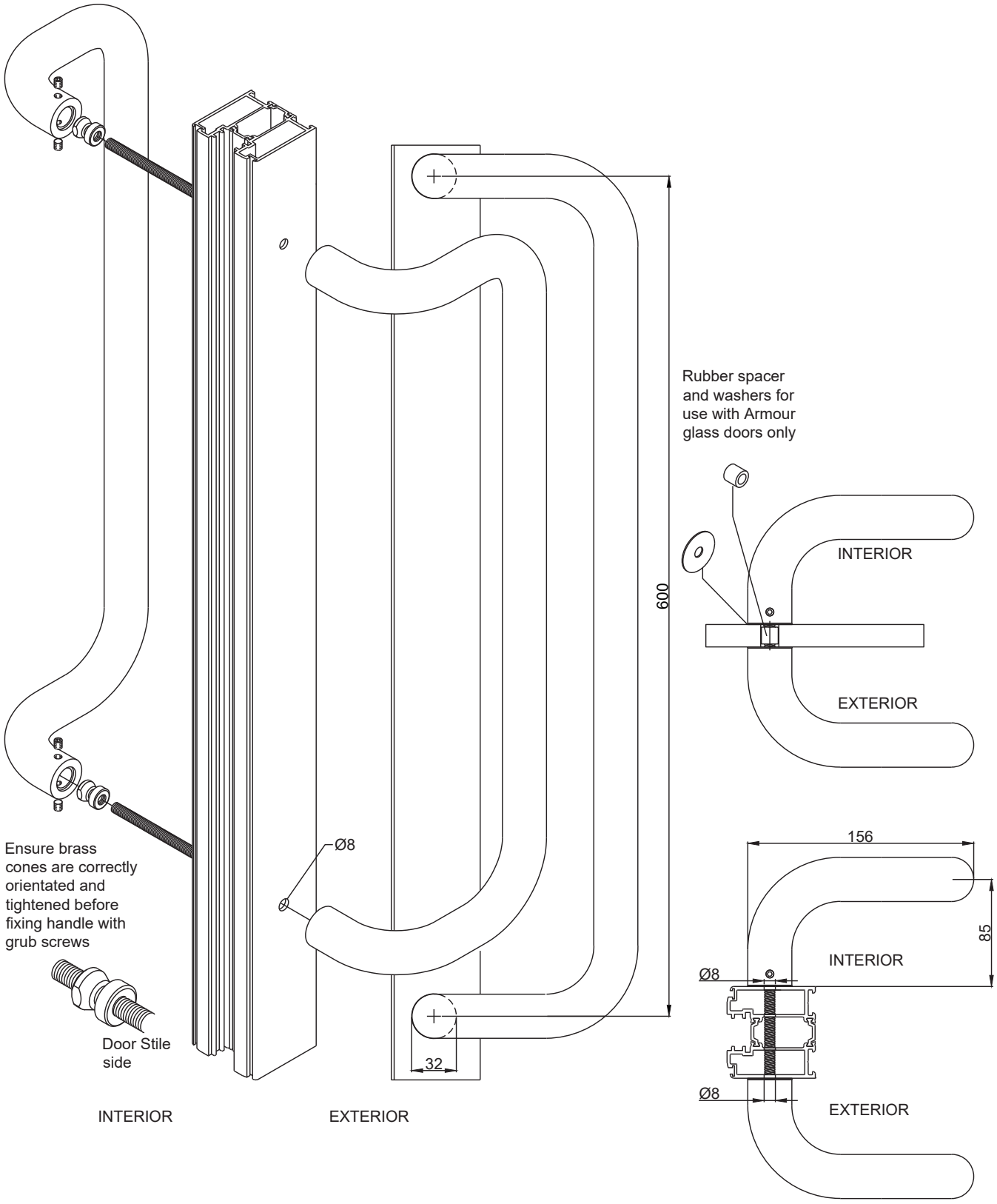
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DATE	MAY 2026

For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:11**
	SUB TITLE **600mm x 32mm SS CRANKED PULL HANDLE HD-9110-60032**	



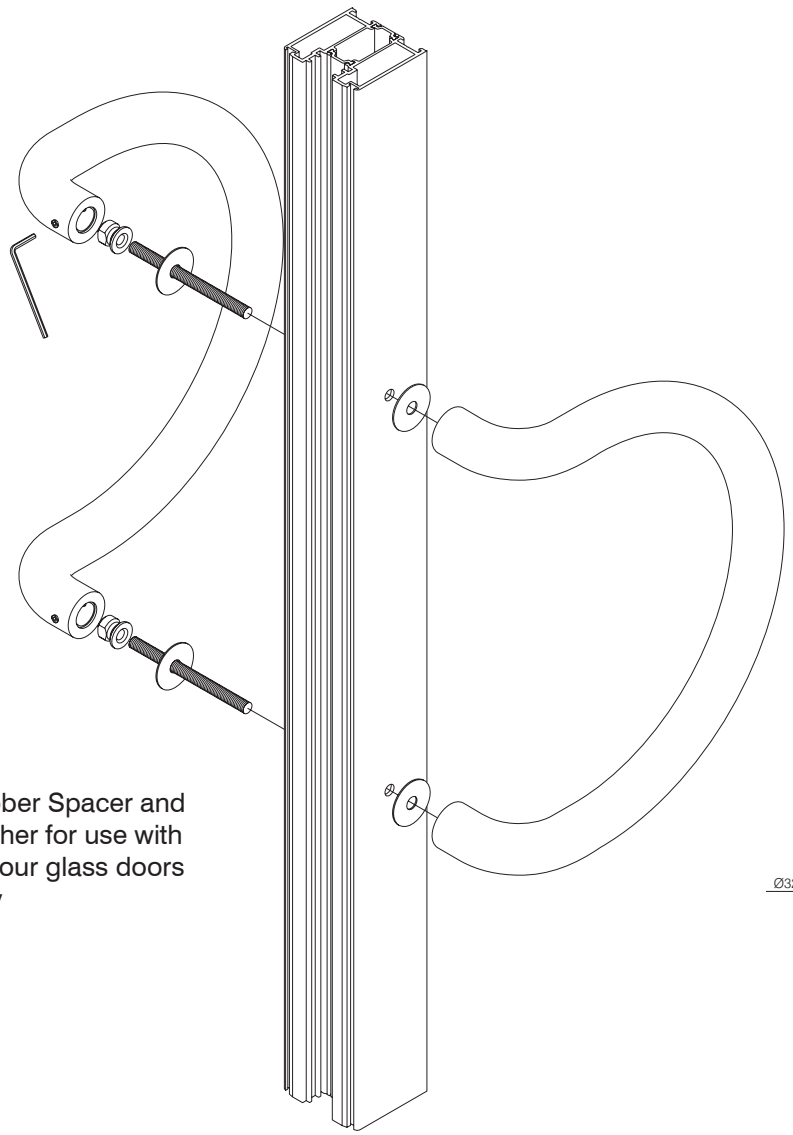
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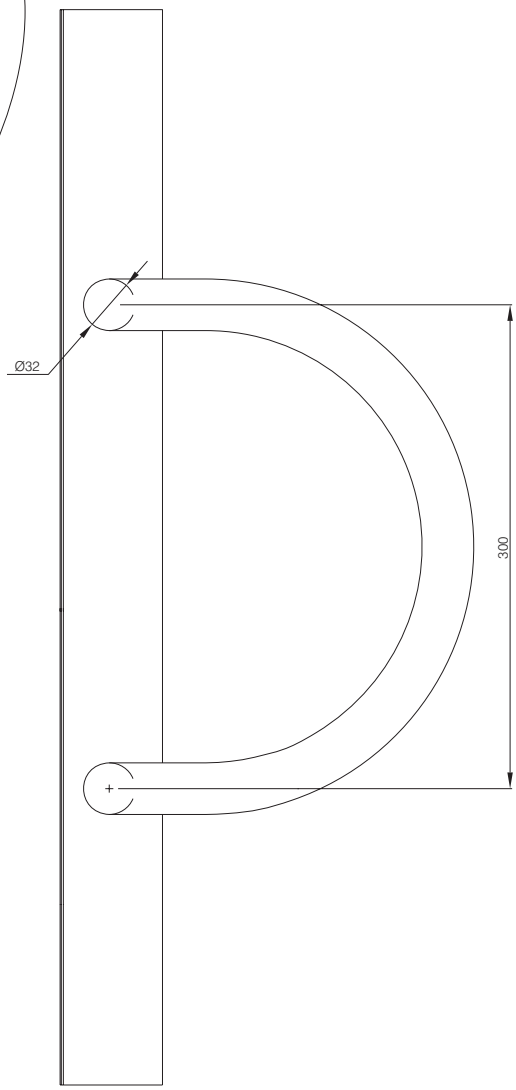
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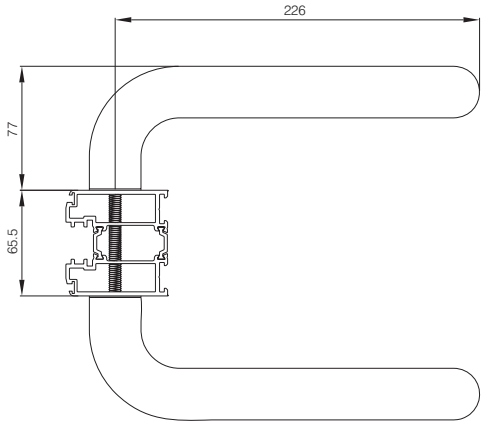
For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:12**
	SUB TITLE **300mm x 32mm SEMI-CIRCULAR PULL HANDLE HD-9120-30032**	



Rubber Spacer and washer for use with armour glass doors only





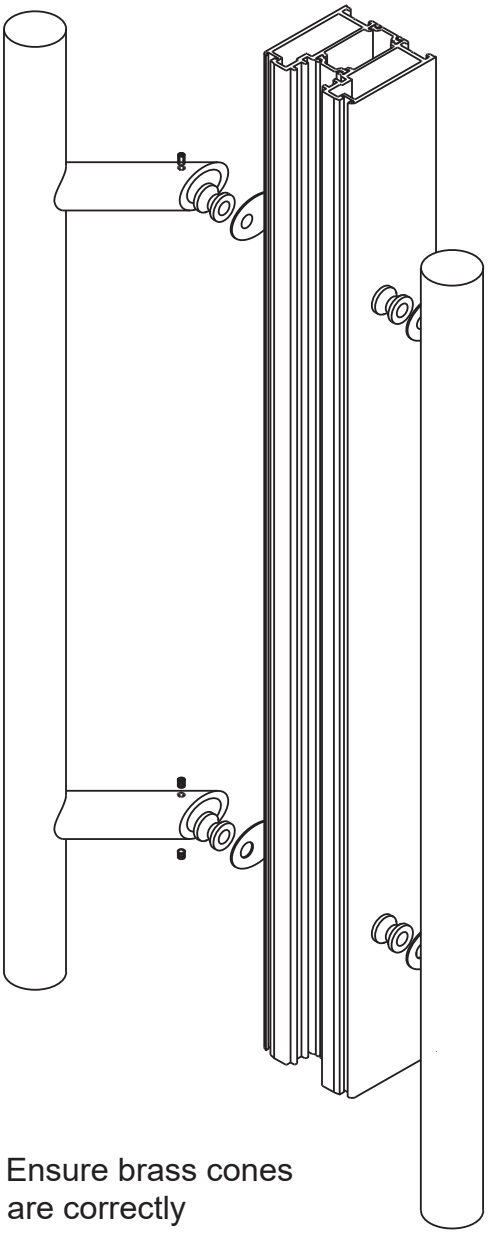
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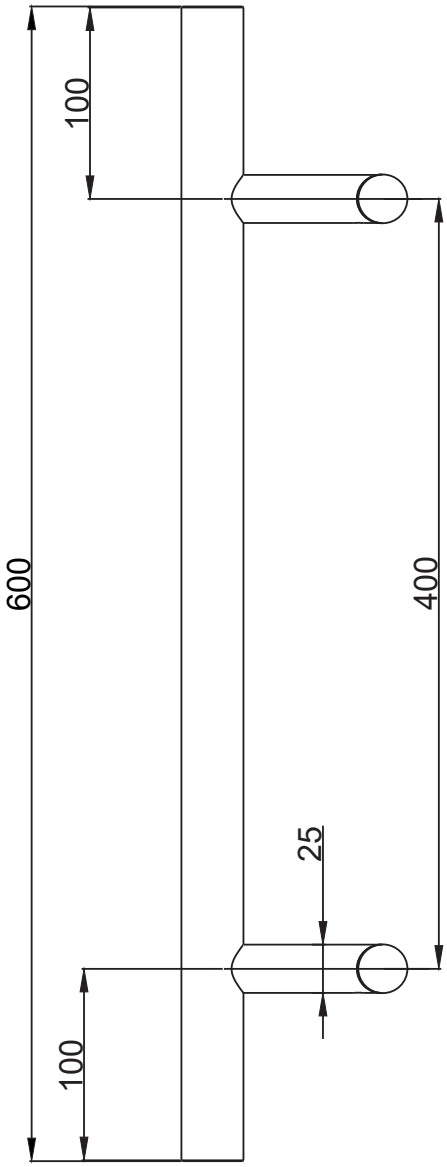
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DATE	APRIL 2025

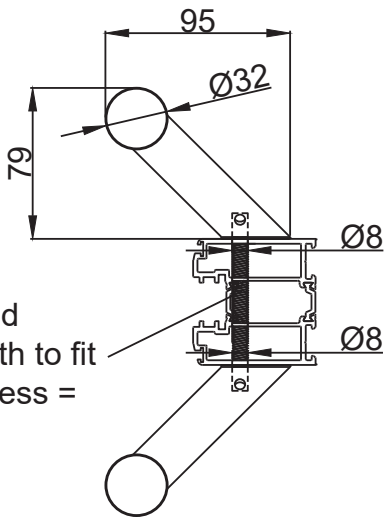
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Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:13**
	SUB TITLE **600mm x 32mm SS T-BAR PULL HANDLE HD-9130-60032**	





Ensure brass cones are correctly orientated and tightened before fixing handle with grub screws



Cut down M8 rod to required length to fit door stile thickness = Stile width + 25

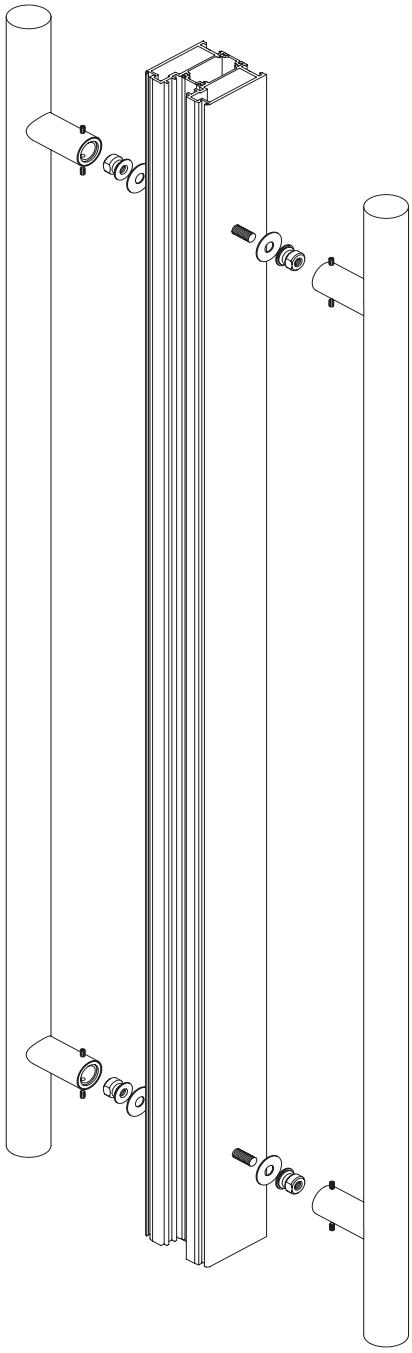
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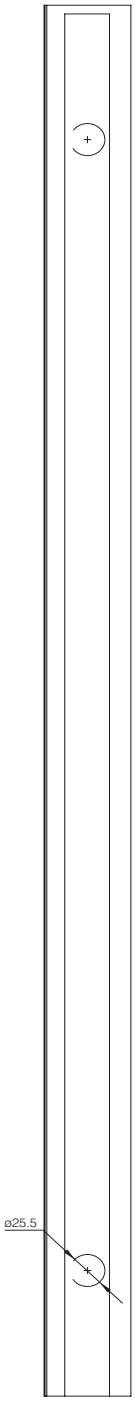
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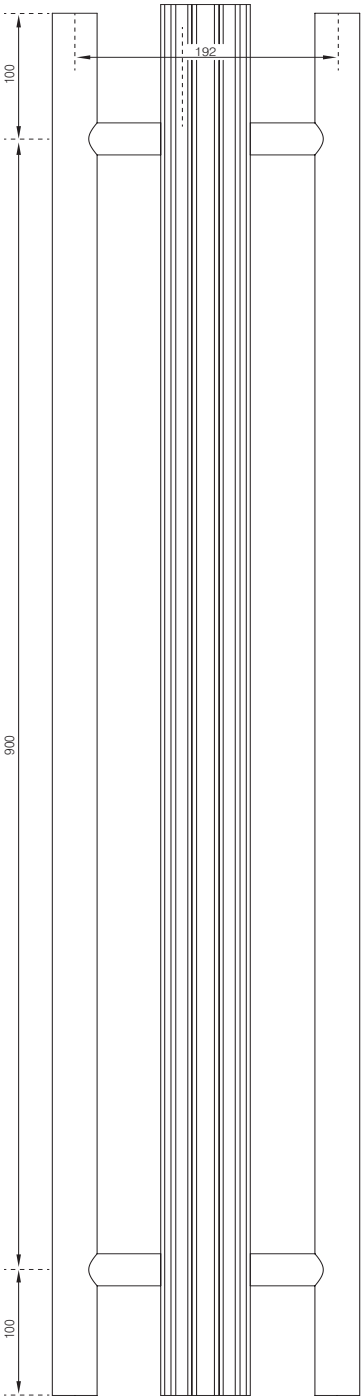
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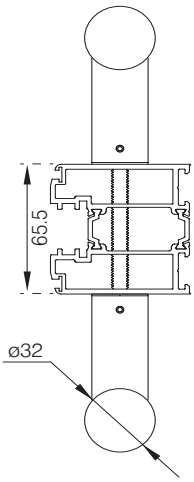
For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE **STAINLESS STEEL PULL HANDLE SET HD-91 SERIES**	SHEET No. **6:14**
	SUB TITLE **900mm x 32mm SS T-BAR PULL HANDLE HD-9130-90032**	









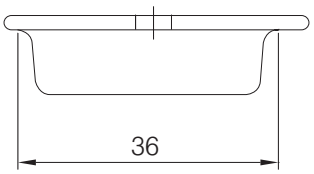
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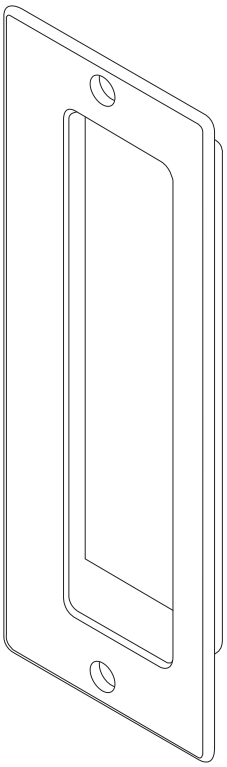
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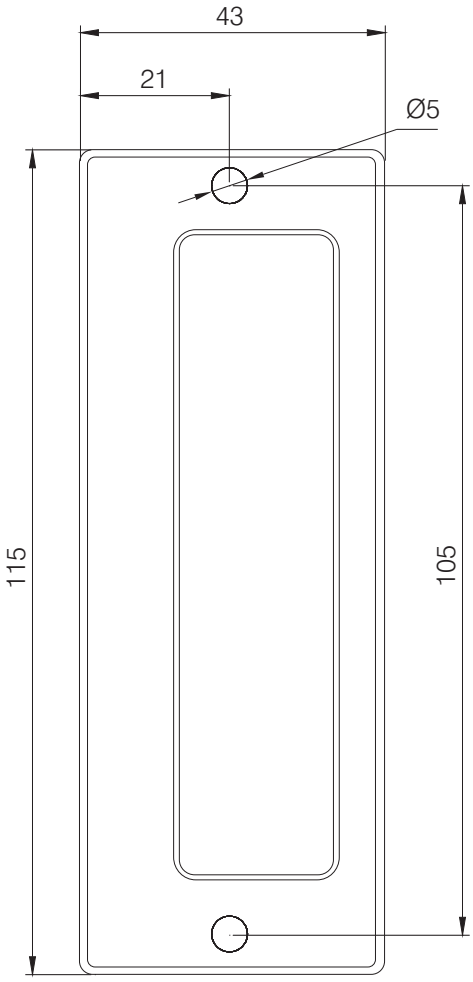
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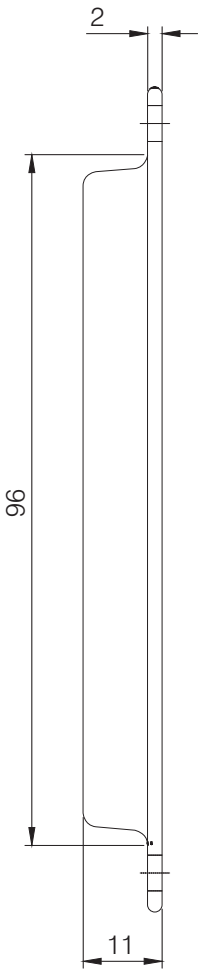
Axim	TITLE **STAINLESS STEEL FLUSH PULL HANDLE HD-48 SERIES**	SHEET No. **6:15**
	SUB TITLE **HD48 FLUSH PULL HANDLE**	



Route hole 96 x 35mm using Ø5mm cutter. Use 4mm self-tapping screws @ 105mm centres to secure stile.a







Product code:
HD048XSSS

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Stainless Steel Door Handles

-

The main material used for the production of the Entrance handles is SUS316 material and are ideally specified for use on external door applications this material is ideally suited to heavy duty locations where the integrity of the material is a critical factor, this stainless steel is particularly good against corrosion.

However, the corrosion resistance of any stainless steel door handle is largely dependent on how clean the handle is kept. Stainless steel is not stain free ! Any contamination of the surface will impair the action of the material and can affect the surface appearance of the product.

Stainless steel is well known for its inherent corrosion resistance. The corrosion resistance of stainless steel is due to a passive film of chromium-rich oxide (caused by a reaction between the chromium in the stainless steel with the oxygen in the air). If the surface is not regularly cleaned, surface deposits will prevent the passivation process.

Therefore to retain the highest corrosion resistance and aesthetic appeal it is necessary to keep the surface of stainless steel clean.

Regular and frequent cleaning of stainless steel door handles is therefore key to preserving their appearance.
For best results use a clean cloth and warm water with a mild detergent. Should any stains remain, we recommend using mild, non-scratching /abrasive Cleaner (typical household Stainless Steel Cleaning Solutions will be fine).

Dilute in warm water if needed and apply with sponges, cloths or Soft brushes. For harsher stains, a drop of vinegar in addition may help.

Please DO NOT use carbon steel brushes / carbon steel wool as these may leave particles embedded in the surface of the door handle, which can in turn show as rust.

Please note the use of scouring pads will remove the top layer of the material and will affect the Brushed appearance of the handle .

After correct cleaning of the handle, rinse in clean hot water and dry completely with a towel.

We recommend cleaning at least once a month, In areas where the products are used more frequently or exposed to more extreme atmospheric conditions the cleaning routine should be increased to at least once a week. If the stainless steel begins to discolour, either the cleaning regime is inadequate or in the case of swimming pool areas the environment could have deteriorated.

Harsh environments such as Swimming Pools, Coastal / Offshore application or high pollution areas will require a more regular cleaning regime.

If Spots appear on the surface of the product it will not be due to the stainless steel material but will be due to impurities in the surrounding water / air or indeed to external particles that have fallen onto the surface of the product, please also ensure sufficient cleaning has taken place because if there are any cleaning agents that have not been thoroughly removed from the surface it can also create this appearance.

These Spots can be removed with non abrasive cleaners that are specifically suitable for Stainless Steel material.

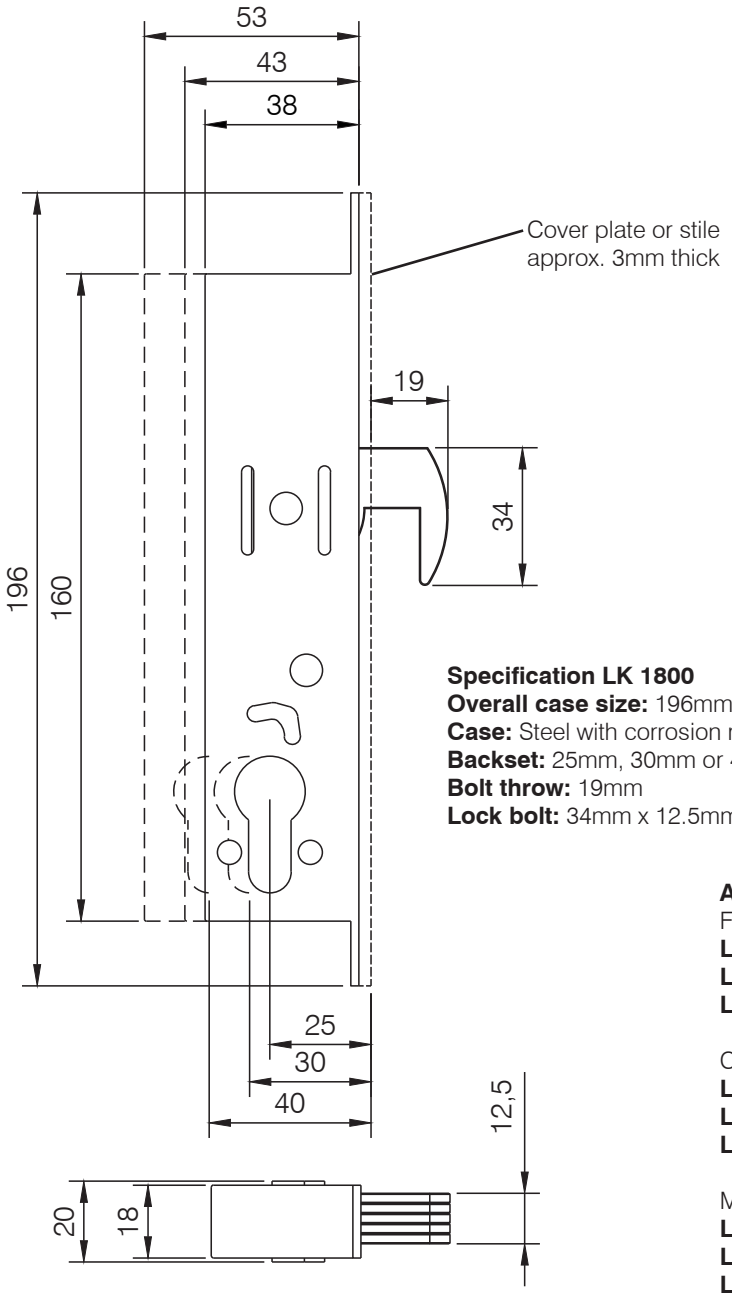
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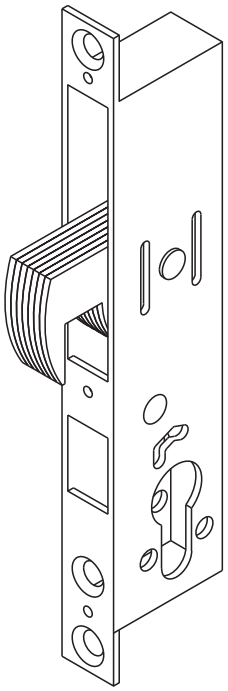
SCALE	NTS @A4
DATE	APRIL 2025

For scaled technical or CAD drawings, please contact AXIM.

Axim	TITLE **MORTICE HOOK LOCK LK-1800 SERIES**	SHEET No. **7:01**
	SUB TITLE **EURO PROFILE CYLINDER**	

LK-1800
Mortice hook lock





Specification LK 1800
Overall case size: 196mm x 18mm x 38mm, 43mm or 53mm
Case: Steel with corrosion resistant plating BS EN 1670 Grade 4
Backset: 25mm, 30mm or 40mm
Bolt throw: 19mm
Lock bolt: 34mm x 12.5mm

Accessories
Faceplates
LK-1801-0F - Flat no woolpile - Silver
LK-1801-0R - Radius no woolpile - Silver
LK-1802-0F - Flat no woolpile - Silver

Cylinders
LK-1601-3030 - Keyed to differ
LK-1601-3030-S - Keyed alike
LK-1601-3030-SP - Keyed alike in pairs

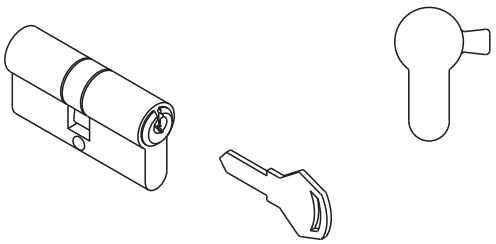
Mortice hook locks
LK-1800-25-E - 25mm Backset Europrofile
LK-1800-30-E - 30mm Backset Europrofile
LK-1800-40-E - 40mm Backset Europrofile

Mounting bridges
LK-1800-1133 - PAIR

Armoured strike
LK-1800-52

Trim strike
LK-1800-51-F - Flat
LK-1800-51-R - Radius

Note: See AXIM price list for alternative cylinders and finishes



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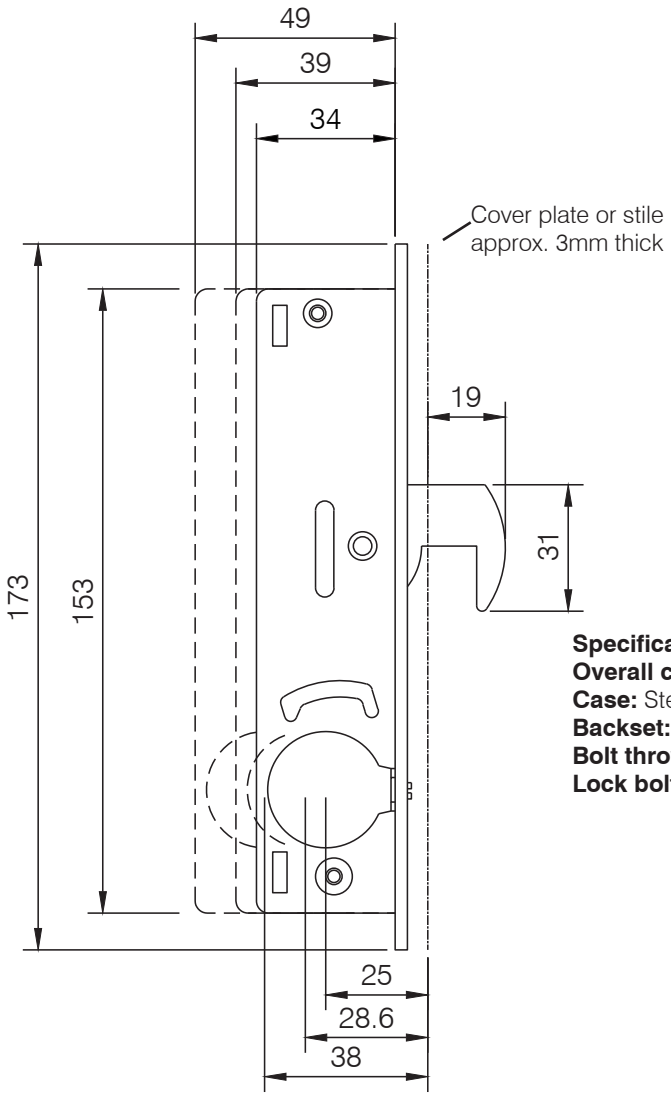
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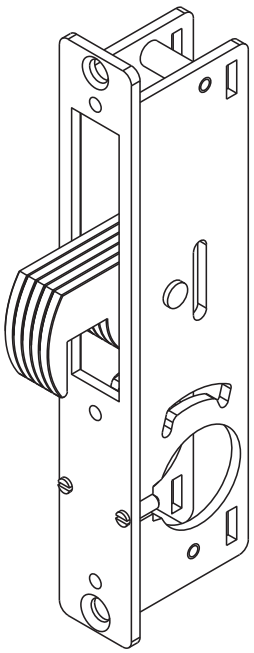
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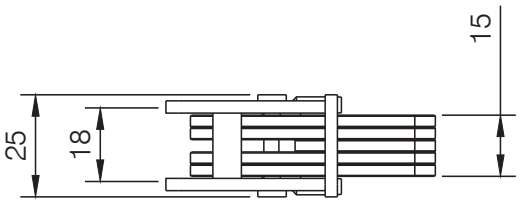
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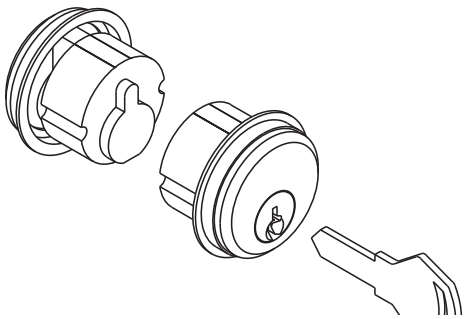
Axim	TITLE **MORTICE HOOK LOCK LK-1800 SERIES**	SHEET No. **7:02**
	SUB TITLE **ROUND CYLINDER**	

LK-1800
Mortice hook lock









Specification LK 1800
Overall case size: 173mm x 25mm x 34mm, 39mm or 49mm
Case: Steel with corrosion resistant plating BS EN 1670 Grade 4
Backset: 25mm, 28.6mm or 38mm
Bolt throw: 19mm
Lock bolt: 34mm x 15mm

Accessories
Faceplates
LK-1802-0F - Flat no woolpile - Silver

Cylinders
LK-2100-70 -25mm Single
LK-2100-71 -25mm Pair
LK-2100-71-S -25mm Single Keyed Alike
LK-2100-71-SP -25mm Pair Keyed Alike
LK-2100-76 -40mm Single Thumb Turn

Mortice hook locks
LK-1800-25-R - 25mm Backset Europrofile
LK-1800-30-R - 28.6mm Backset Round Cylinder
LK-1800-38-R - 38mm Backset Round Cylinder

Note: See AXIM price list for alternative cylinders and finishes

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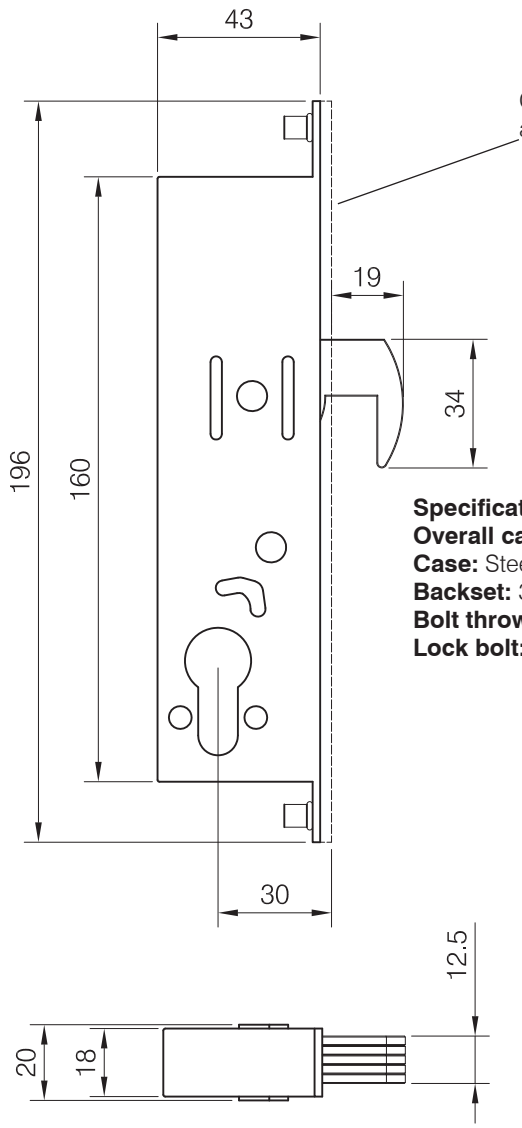
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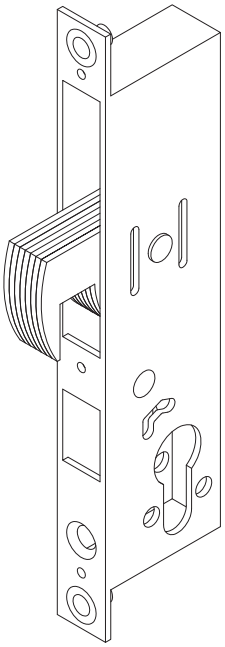
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LK-1800-30-E-RIV
Mortice hook lock
30mm backset
(Rivnut Fixing)





Specification LK 1800-30-E-RIV
Overall case size: 196mm x 18mm x 43mm
Case: Steel with corrosion resistant plating BS EN 1670 Grade 4
Backset: 30mm
Bolt throw: 19mm
Lock bolt: 34mm x 12.5mm

Accessories
Faceplates
LK-1801-0F - Flat no woolpile - Silver
LK-1801-0R - Radius no woolpile - Silver
LK-1802-0F - Flat no woolpile - Silver

Cylinders
LK-1601-3030 - Keyed to differ
LK-1601-3030-S - Keyed alike
LK-1601-3030-SP - Keyed alike in pairs

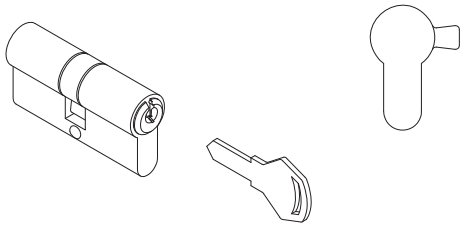
Mortice hook locks
LK-1800-30-E-RIV - 30mm Backset Europrofile

Mounting bridges
LK-1800-1133 - PAIR

Armoured strike
LK-1800-52

Trim strike
LK-1800-51-F - Flat
LK-1800-51-R - Radius

Note: See AXIM price list for alternative cylinders and finishes

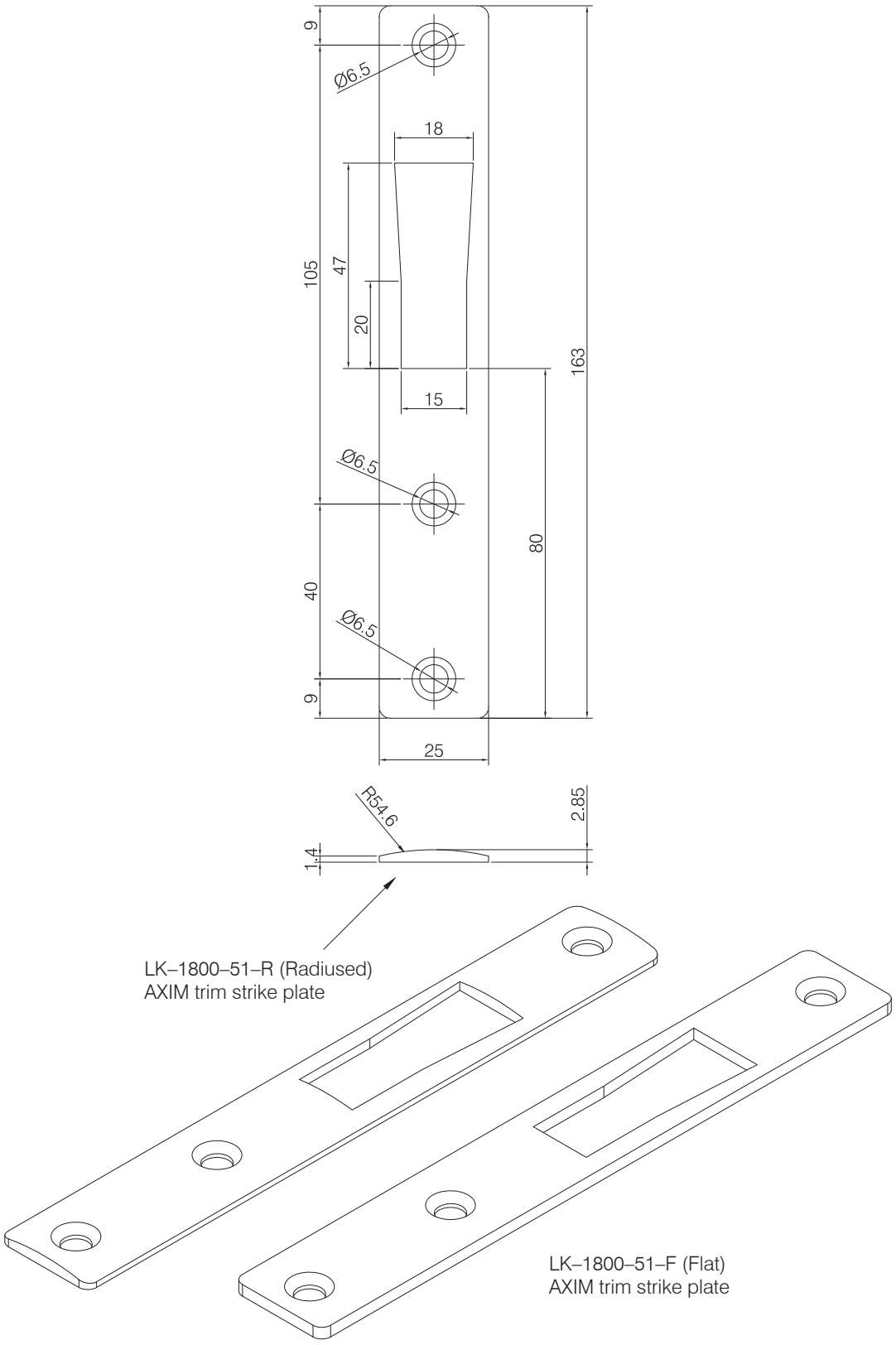


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Axim	TITLE **ESCUTCHEONS LK-1800 SERIES**	SHEET No. **7:05**
	SUB TITLE **TRIM STRIKES LK-1800-51-F/R**	



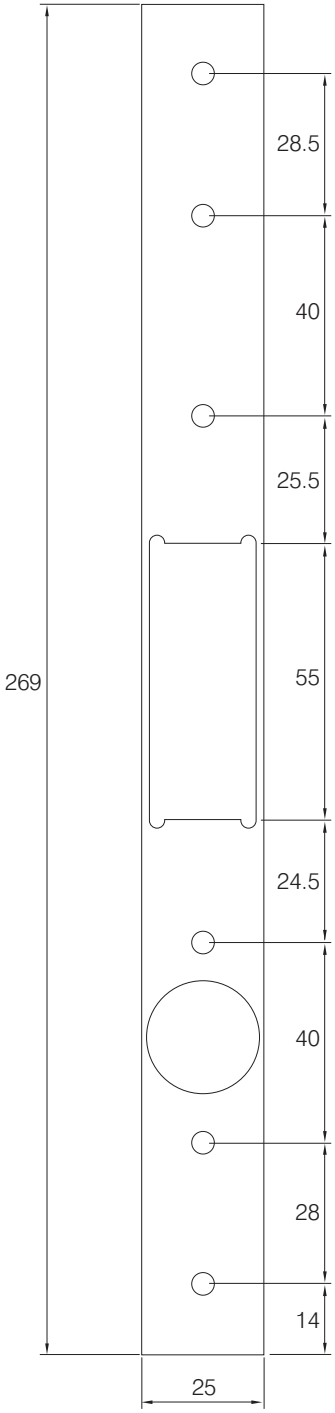
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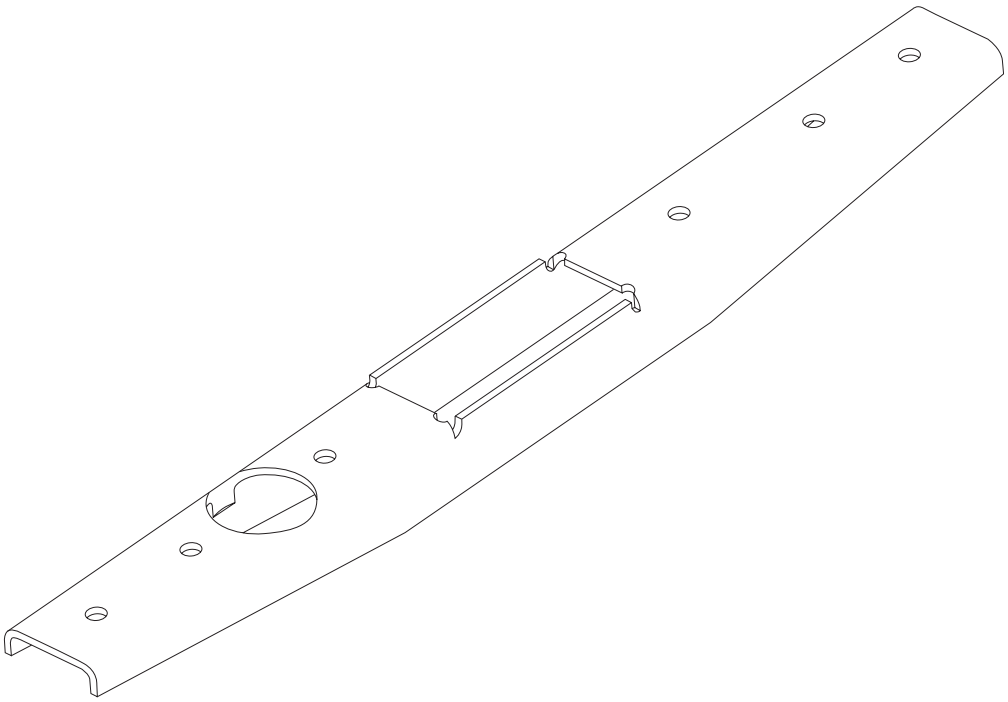
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Axim	TITLE **ESCUTCHEONS LK-1800 SERIES**	SHEET No. **7:06**
	SUB TITLE **ARMOURED STRIKE LK-1800-52**	





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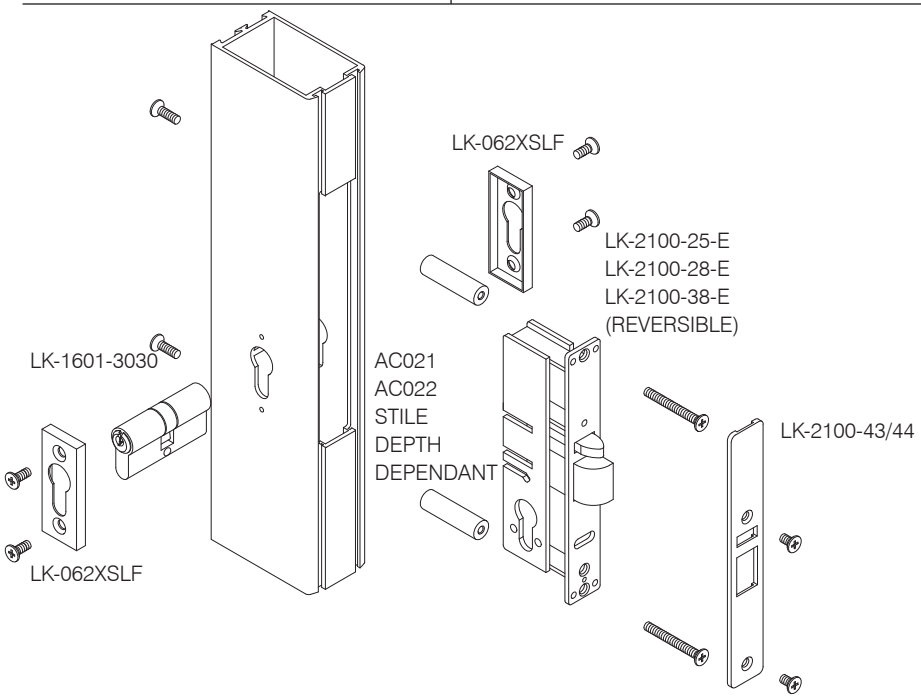
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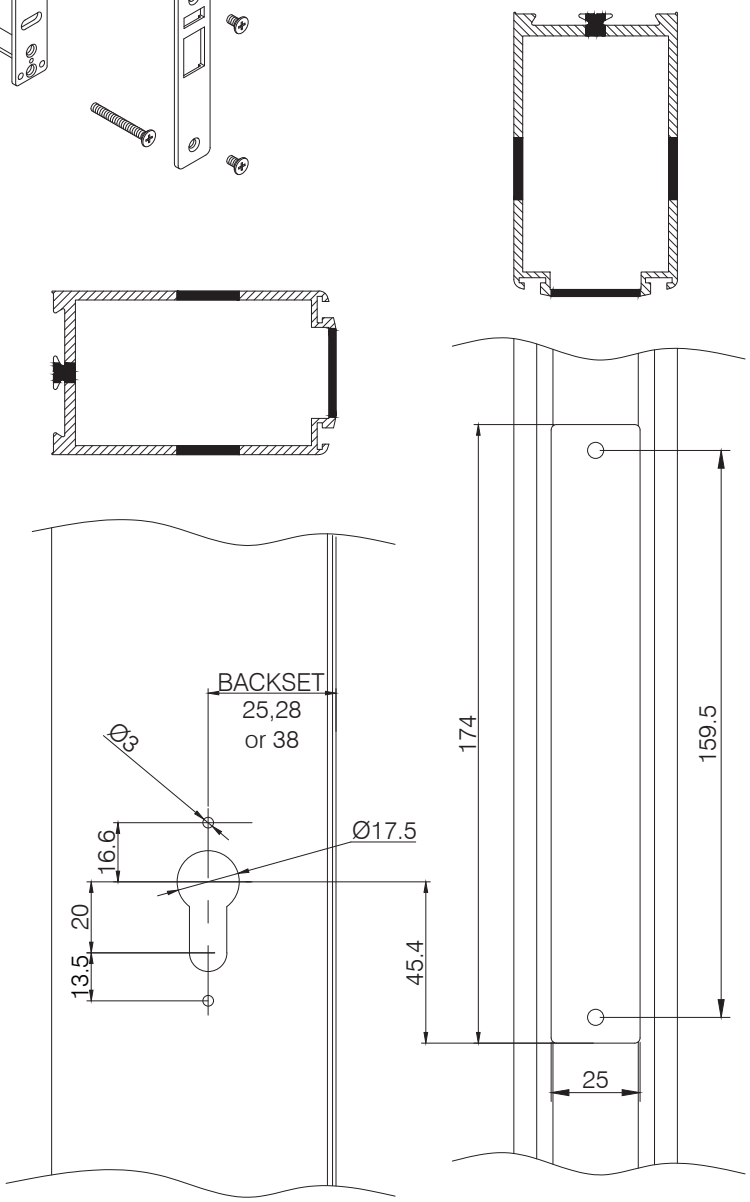
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Axim	TITLE **DEADLATCHES LK-2100 SERIES**	SHEET No. **7:07**
	SUB TITLE **ASSEMBLY DETAILS LK-2100-25,28 & 38-E REVERSIBLE**	

CORROSION RESISTANCE TO
BS EN 1670 GRADE 5





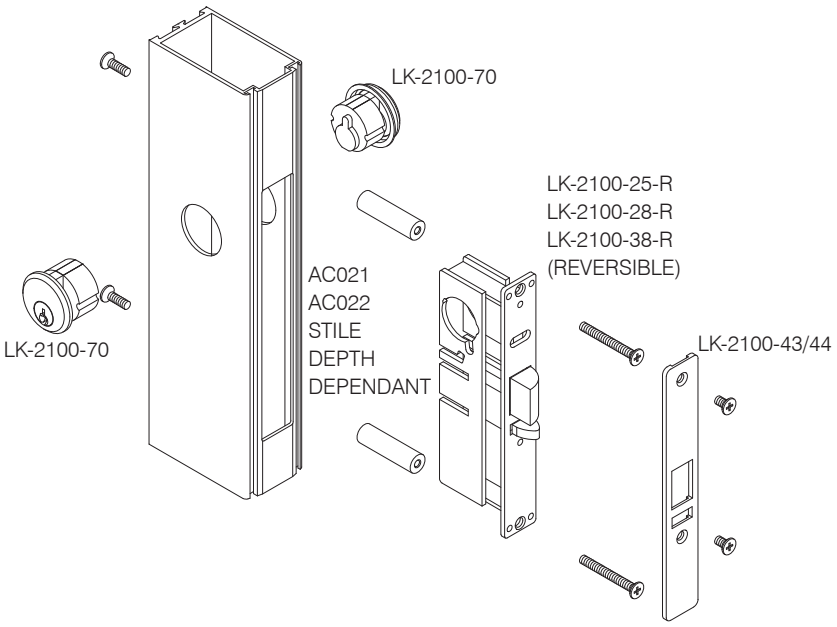
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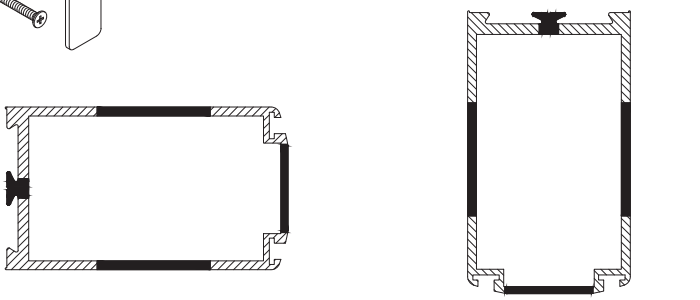
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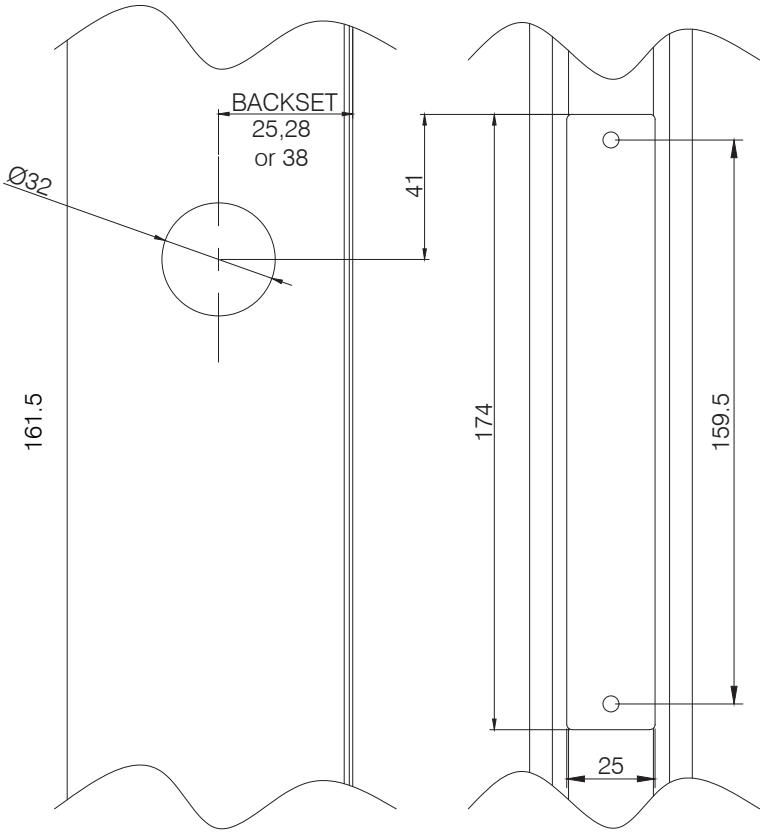
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Axim	TITLE **DEADLATCHES LK-2100 SERIES**	SHEET No. **7:08**
	SUB TITLE **ASSEMBLY DETAILS LK-2100-25,28 & 38-R REVERSIBLE**	



CORROSION RESISTANCE TO
BS EN 1670 GRADE 5





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DATE	MAY 2026

For scaled technical or CAD drawings, please contact AXIM.

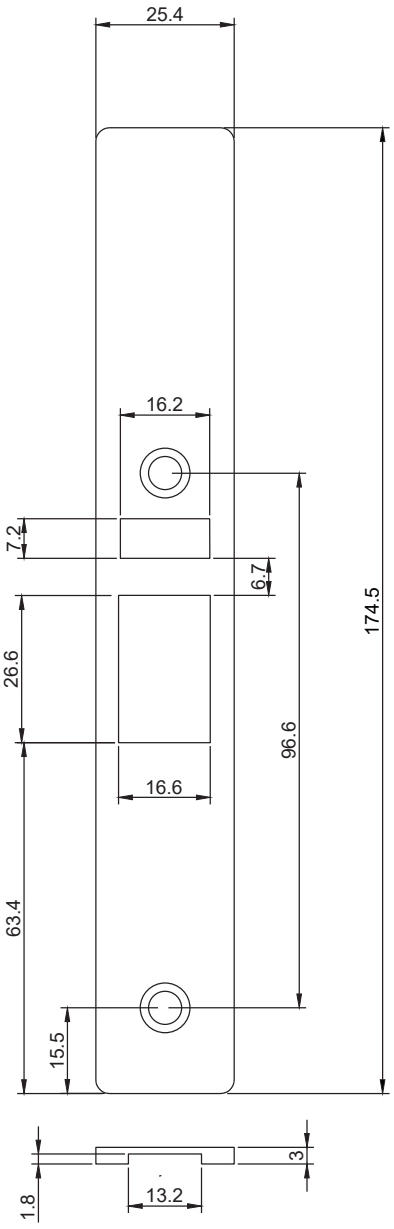
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Axim	TITLE **DEADLATCH FACE PLATE LK-2100 SERIES**	SHEET No. **7:09**
	SUB TITLE **FACE PLATE LK-2100-43/44**	

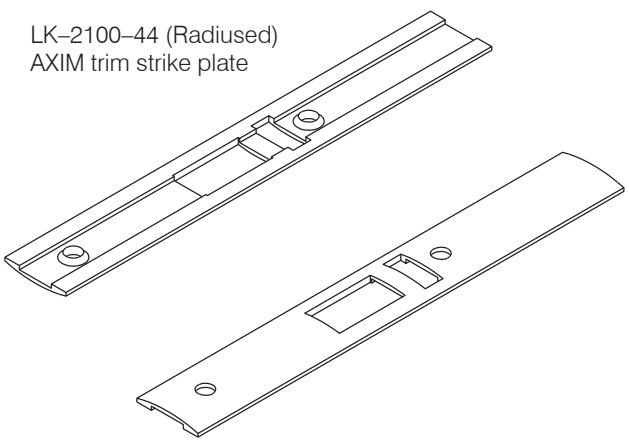
AVAILABLE FACEPLATES
25mm x 174mm

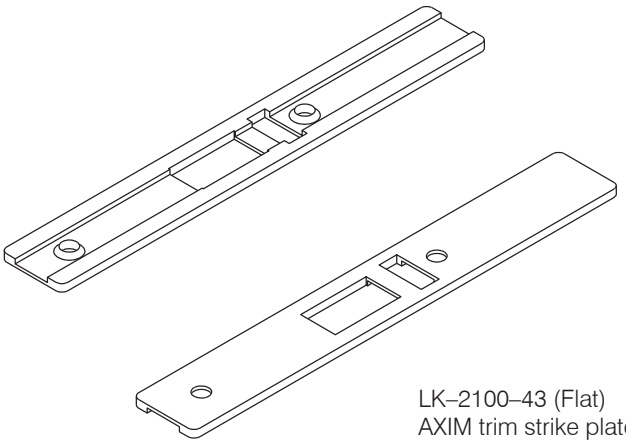
FLAT

RADIUS



LK–2100–44 (Radiused)
AXIM trim strike plate





LK–2100–43 (Flat)
AXIM trim strike plate

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The Fully reversible LK-2100 Standard duty deadlatch range offers flexibility of traffic control during and after business hours.

Fully Reversible Latchbolt Without the need to open the deadlatch case. (Full Instructions included with the product)

Latchbolt Holdback
A reverse Turn of the key while the bolt is held retracted retains the latchbolt in the case, This allows two-way traffic for ideal use in hospitals, banks, shops and any other commercial buildings. which may require :
Free access and exit at certain times, and
Controlled access and free exit at other times.

The Axim LK-2100 deadlatch product is an ideal product to be used and specified along with the Axim ES-2200 Electric Strike range offering a remote access control solution for doors.

Alternatively the LK-2100 range can be equally installed with the LK-2100-6515 (48mm) and the LK-2100-7515 (72mm). - see overleaf for ordering codes

Key Points

The Axim Deadlatch is an all metal case complete with the main latch body structure to prevent unauthorised case entry.

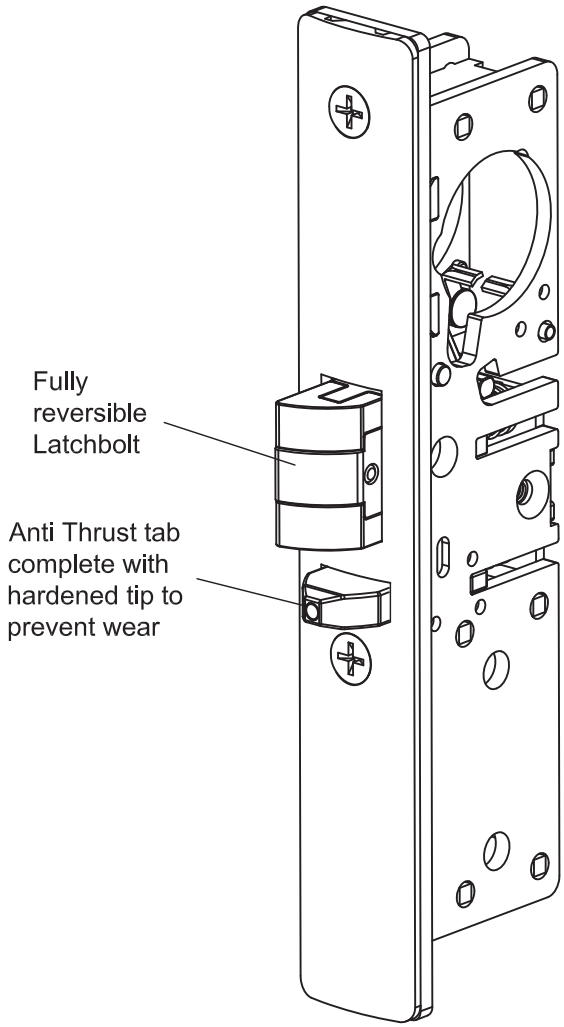
The LK-2100 is available with Flat face or Radius face faceplates that are Ordered as separate items - see overleaf for ordering codes.

Fully Reversible Latchbolt without opening the Deadlatch case.

Related Hardware

LK2100 - E
Reversible
Euro Profile Deadlatch

ES2200
Electric Strike



A Nylon Insert is added to the latchbolt to prevent friction in operation.

Suitable for use on Aluminium Doors

Guarantee:
Axim Products are guaranteed for 30 months against defects in material and / or workmanship. This guarantee is Void if the product has been incorrectly specified or installed.

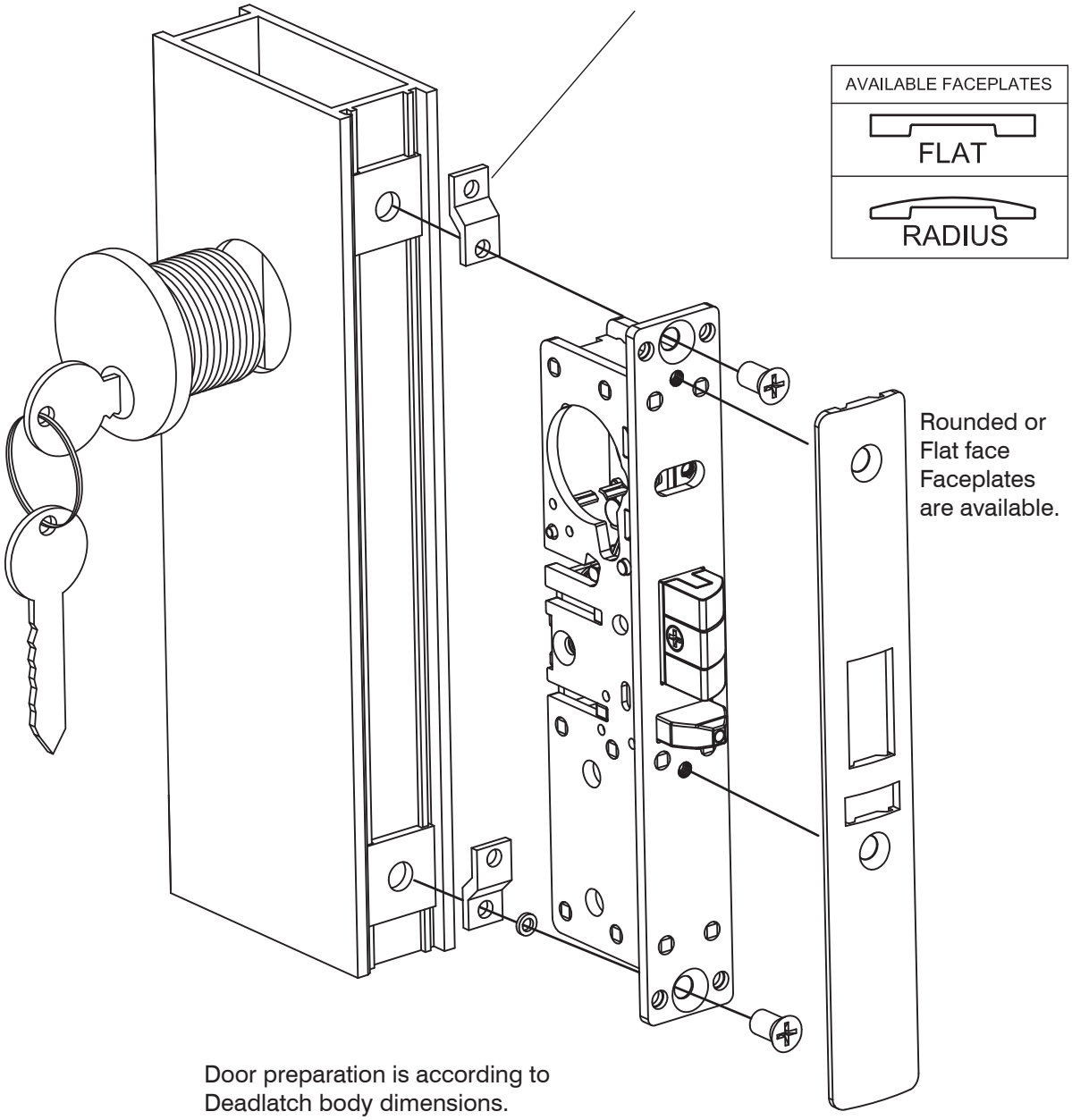
Corrosion resistance:
BS EN 1670 Grade 5

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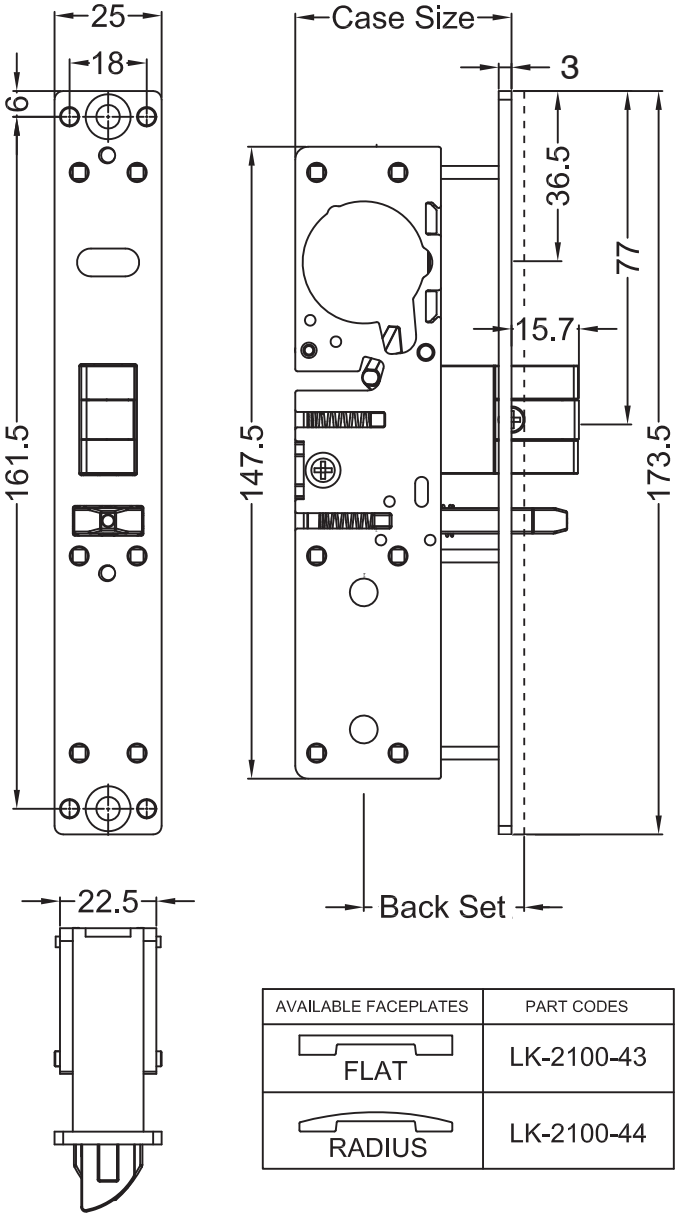
It is recommended for Deadlatch that the Fixing Tab (item LK-2100-77) are included in the installation. Please order separately.



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For scaled technical or CAD drawings, please contact AXIM.



Case Size & Backset vary depending on version:

Backset Options
25mm (31/32") Backset
28mm (1-1/8") Backset
38mm (1-1/2") Backset

Case:
Steel with corrosion resistant plating.

Latchbolt:
Fully Reversible Latchbolt - Without the need to Open the case.
Latchbolt complete with Hardened Steel Internal Pins.

Faceplate:
173.5 x 25mm
Aluminium material,
Finish: Matt / Satin Anodised Aluminium.

Faceplate: - - - - - - - - - - -

AVAILABLE FACEPLATES	PART CODES
FLAT	LK-2100-43
RADIUS	LK-2100-44

Ordering Information

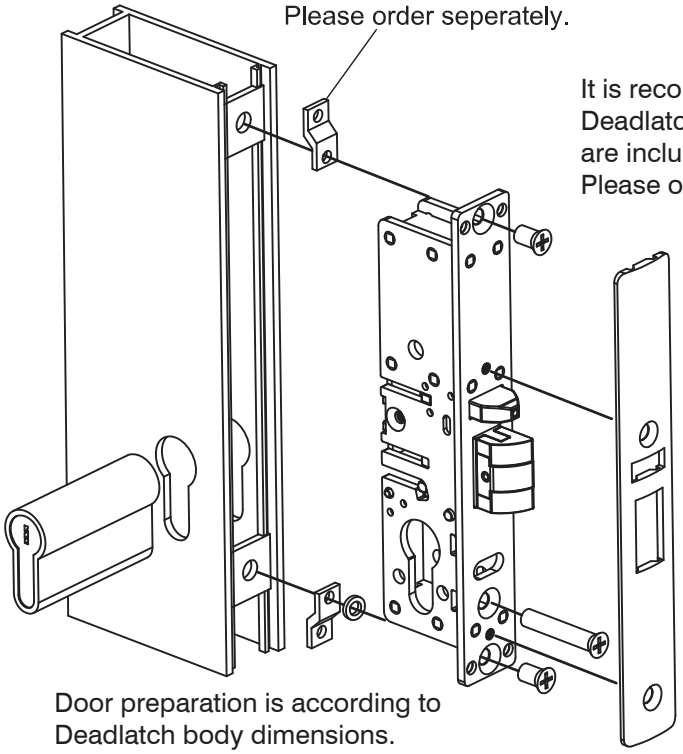
LK-2100-25-E	Euro Profile Deadlatch Case (24.6mm Backset)
LK-2100-28-E	Euro Profile Deadlatch Case (28.6mm Backset)
LK-2100-38-E	Euro Profile Deadlatch Case (38.1mm Backset)
LK-2100-25-R	Screw in Cylinder Deadlatch Case (24.6mm Backset)
LK-2100-28-R	Screw in Cylinder Deadlatch Case (28.6mm Backset)
LK-2100-38-R	Screw in Cylinder Deadlatch Case (38.1mm Backset)
LK-2100-43	Axim Misc - Flat face plate
LK-2100-44	Axim Misc - Radius face plate
LK-2100-6515	48mm Strike for LK-2100 Reversible Deadlatch
LK-2100-7515	72mm Strike for LK-2100 Reversible Deadlatch
LK-2100-77	Fixing Tab Kit

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Please order seperately.

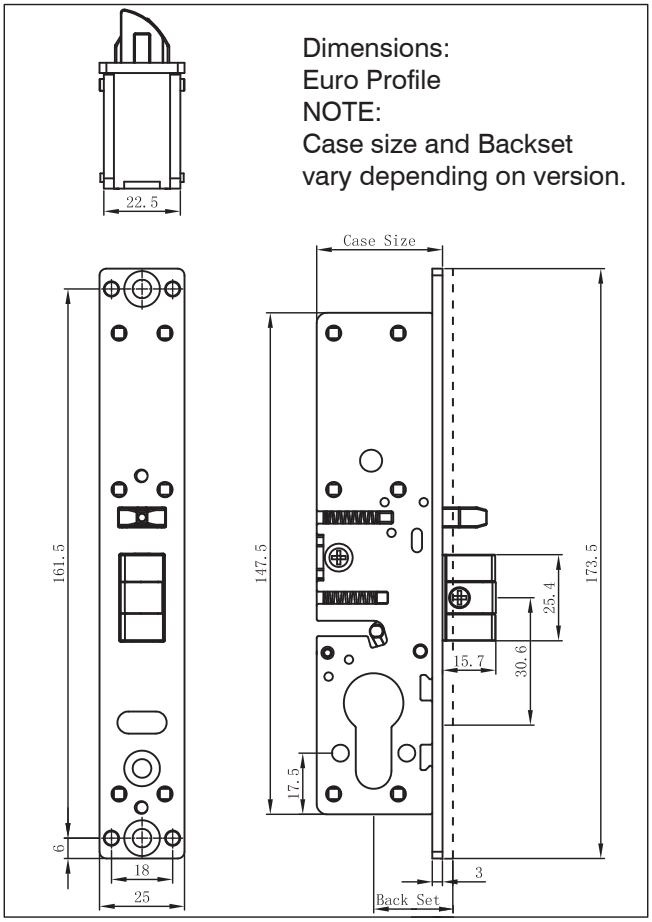


It is recommended for Euro Profile and Threaded Cylinder Deadlatch versions that teh Fixing Tab (item LK-2100-77) are included in the installation.
Please order separately.

Rounded or Flat face Faceplates are available

AVAILABLE FACEPLATES 25mm x 174mm
FLAT
RADIUS

Door preparation is according to Deadlatch body dimensions.



Dimensions:
Euro Profile
NOTE:
Case size and Backset vary depending on version.

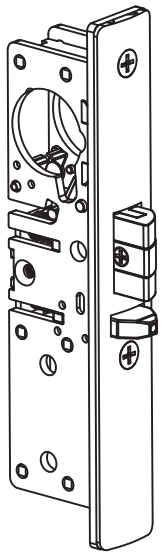
Faceplate: - - - - - - - - - - -

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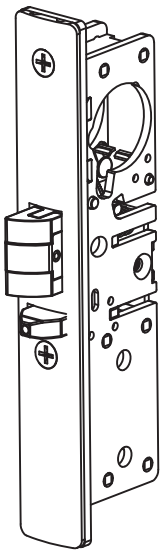
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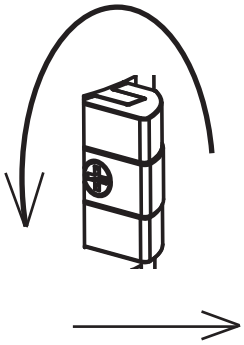
For scaled technical or CAD drawings, please contact AXIM.



PLEASE NOTE
This product Is Reversible
To Suit Left Hand Or Right Hand
For Handing



Do Not open the case



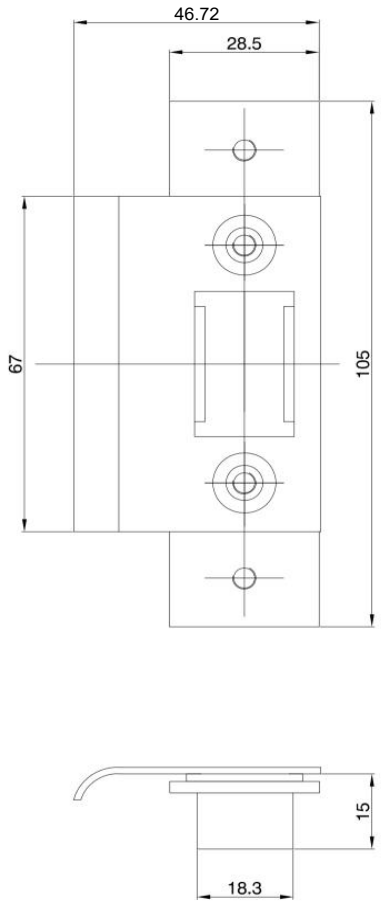
Pull out sprung latch then
twist through 180° to change handing

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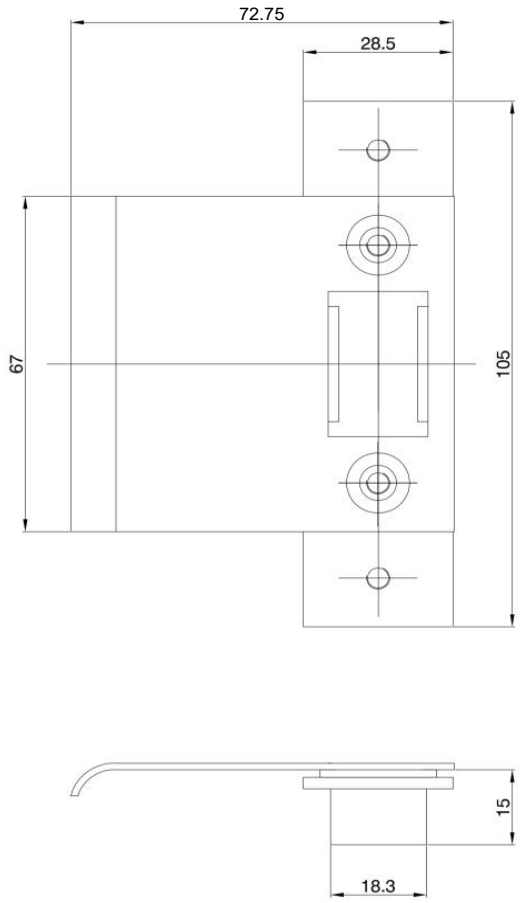
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LK-2100-4515

Strike Plate - Flat 48mm



LK-2100-5515

Strike Plate - Flat 72mm

The LK-2100 range can be installed with the LK-2100-6515 flat 48mm strike, or the LK-2100-7515 or the flat 72mm strike.

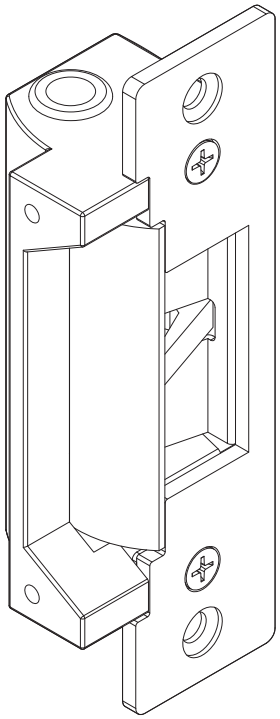
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The Axim ES-2200 series of electric strikes are an ANSI style door release, complete with stainless-steel short or long faceplates for use in metal or timber door frame applications. The electric release is designed to work with most leading brand deadlocking night latch locks.
The ES-2200 also has two forms of monitoring available: latch (ES-2200-M) or latch with dual monitoring, open or closed (ES-2200-DM).

The Axim ES-2200 series are shipped as fail secure and can be converted to fail safe mode by the simple removal of a screw. The Axim ES-2200 can also be set to 12V or 24V by simply reconfiguring the wires in a different sequence.



Technical Specification:

Application
Fail - Safe or Fail Secure
Note: DC Power supply required for Fail Safe Operation.
Maximum Holding Force
450kgs
Case Detail:
86mm x 32.8mm x 40mm
Zinc Aluminium Alloy Material
Faceplates:
124mm x 31.7mm - Flat Design, Stainless Steel material,
201.5mm x 31.7mm - Flat Design, Stainless Steel material,
Finish: Brushed / Stainless Steel.
Mechanism Design:
Stainless Steel Internal Blocking Mechanism.
Strike Aperture Detail:
44.7mm (Length) x 19mm (Width) x 13.3mm (Depth)
Stainless Steel retaining jaw.
Suitable Door Gap:
Min. 3mm (1/8") Operational 3-5mm

Testing:

ANSI / BHMA 156.5 Grade 1
CE Marked - Electrical

Product Options and Accessories
ES-2200-S
ES-2200-M (Monitored)
ES-2200-DM (Dual Monitored)
ES-2200-EL10 Extension Lip (10mm)
ES-2200-EL25 Extension Lip (25mm)
ES-22000-EL50 Extension Lip (50mm)

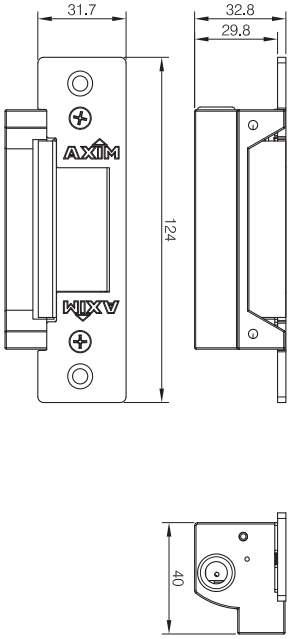
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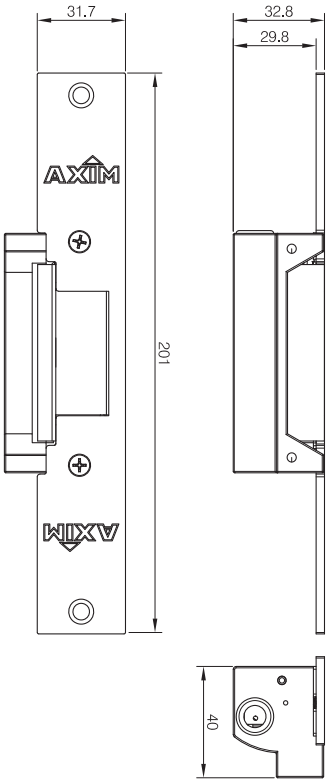
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Dimensions:

Short Faceplate

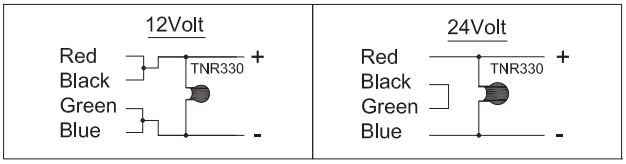


Long Faceplate



Wiring Instructions:

Voltage:



Sensor:

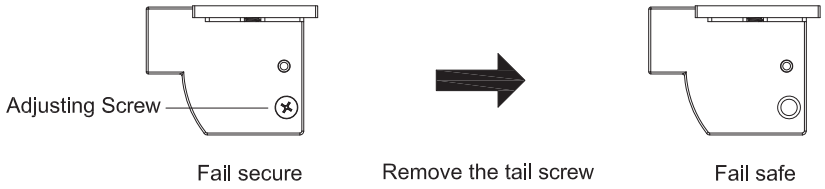
Lock Sensor:		Door Sensor:	
Purple	Com	Orange	Com
Brown	NC	White	NC
Yellow	NO	Grey	NO

Sensor contact rating: 1A Max, 30V AC/DC
**MOV provided with the package, to be used for surge protection between + and - Power terminals.

The strike can be used in either fail safe or fail secure mode. Ensure that the screw is positioned in either hole as per illustration, and either function can be achieved.

Changing from Fail-Secure to Fail Safe Mode:

Default setting is for fail-secure mode.



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General Installation Instructions:

1. Check with a suitable meter if the regulated power supply or controller being used to operate the strike can provide the required voltage within a +/- 10% tolerance, and that the voltage can be stable during operation under all circumstances.

Warning: Damages caused by connection of an incorrect voltage are not covered by the product warranty.

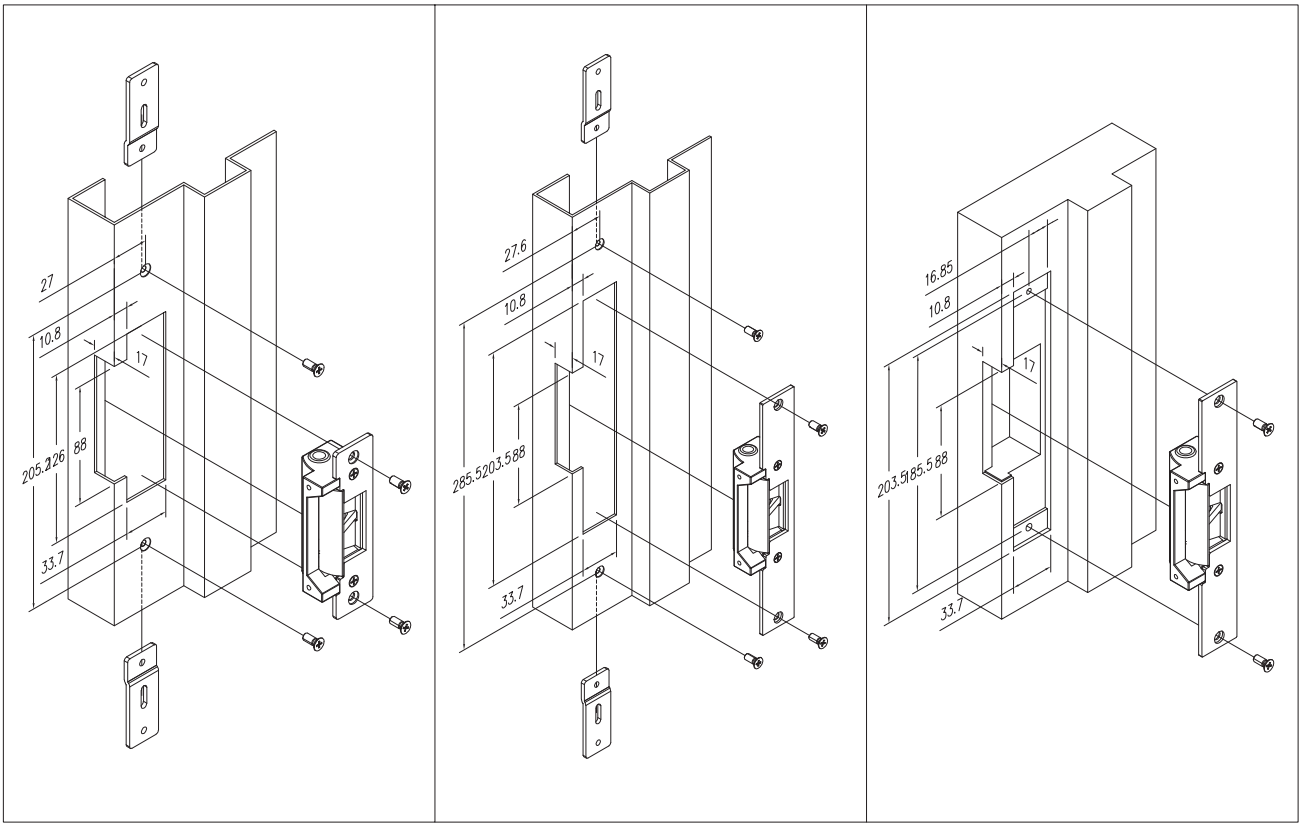
2. Make a mounting hole on the door frame using the body of the strike as the template to make a proper cutout. Ensure that if the mortise lock being used has a deadlocking snib or trigger, the location of the strike must not allow the snib to enter the 'keep' area.

3. Position the strike and drill the two fixing holes.

4. Ensure that all wiring is correctly terminated and not snagged within the mortise. Install the strike temporarily in this correct position and check that there is no mechanical interference between the door, the lock faceplate and the strike face and extension lip (if fitted) during the closing cycle.

5. Check that no side load pressure is exerted on the strike when the door is closed.

6. Secure the strike and re-check operation.

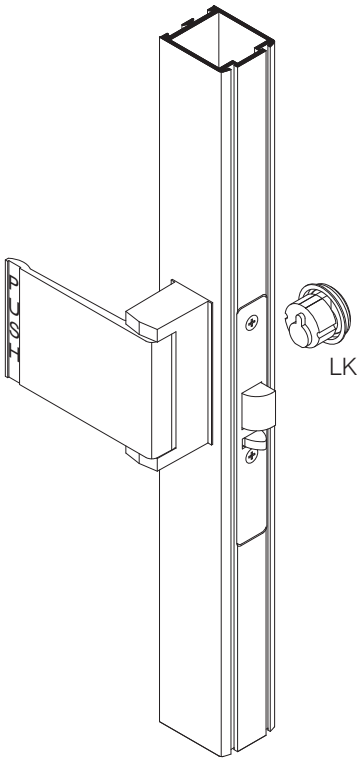


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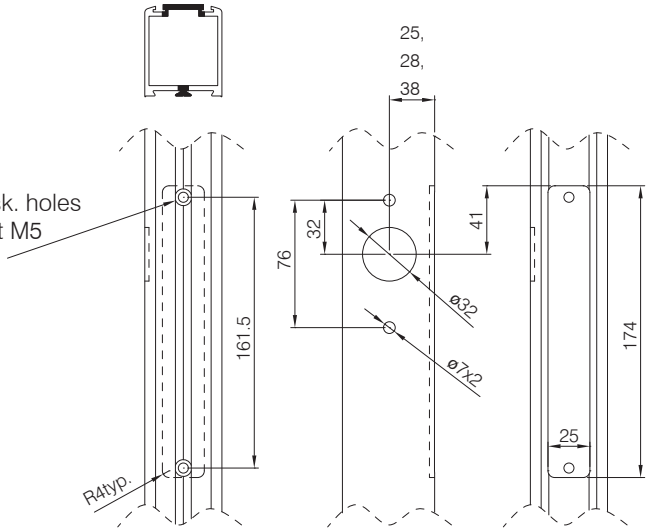
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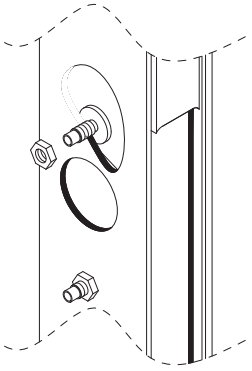
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LK 2100-70

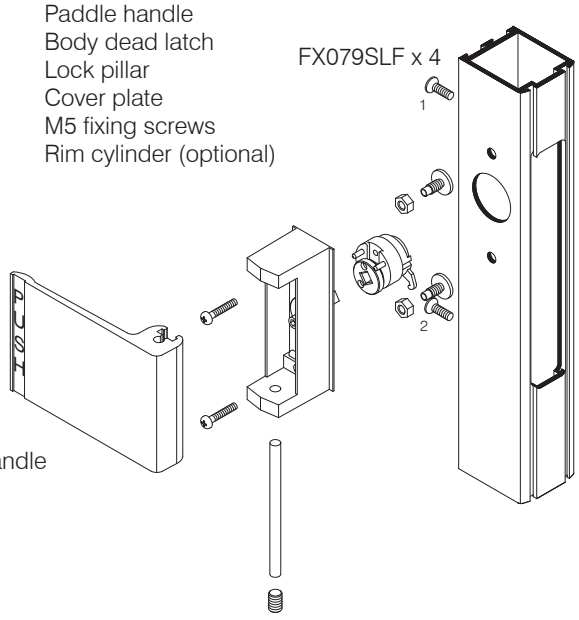




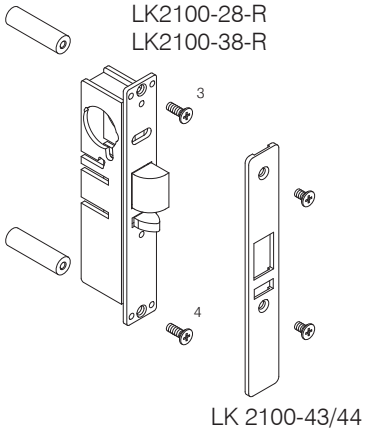
Cutaway view showing installation of binder posts

Complete assembly consisting of:-

PH2100	Paddle handle
LK2100-25,28 or 38-R	Body dead latch
AC021	Lock pillar
LK2100-43/44	Cover plate
FX079SLF	M5 fixing screws
LK2100-70	Rim cylinder (optional)



PH2100 Paddle Handle



LK 2100-43/44

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The Axim 2100 series of handles, designed for narrow stile hollow metal and timber doors, provide the market with quality products at an affordable price.

PUSH/PULL HANDLE

The 2100 series of push/pull paddle handle is designed to operate with the 2100 series latch lock via a cam plug supplied.

The handle can be fitted to either side of the door and a standard rim cylinder can be fitted to the reverse side for access.

LEVER HANDLE

The 2100 series lever handle is also designed to operate with the 2100 series latch lock.

CAM PLUG

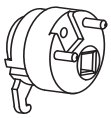
Secured in the latch body by cylinder set screw. It is also rigidly tied to lever handle escutcheon by steel pins.

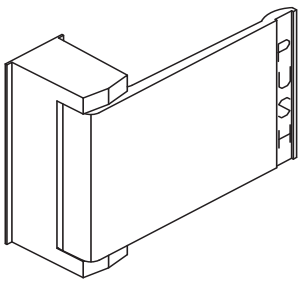
MATERIAL FINISH

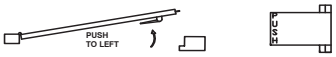
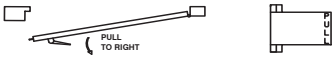
The paddle handle and lever handle are satin silver anodised aluminium, with zinc plated steel internal components.

PRODUCT CODES

PH-2100 SERIES PUSH/PULL Paddle Handle (Complete with cam)	
Pull to the left	PH-2100-61
Push to the left	PH-2100-62
Pull to the right	PH-2100-63
Push to the right	PH-2100-64

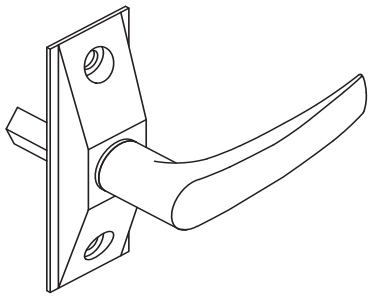




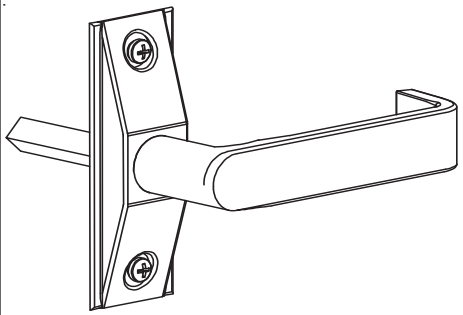
P/CODES	OPERATION	USE
PH-2100-61		Outside of left hand reverse door or inside of right hand.
PH-2100-62		Outside of left hand door or inside of right hand reverse.
PH-2100-63		Outside of right hand reverse door or inside of left hand.
PH-2100-64		Outside of right hand door or inside of left hand reverse.

Lever Handle PH-2100-50





Lever Handle PH-2100-68

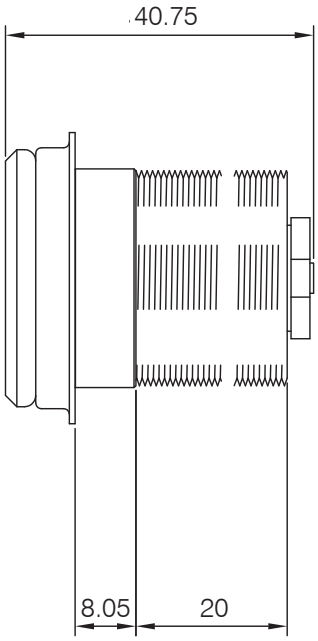


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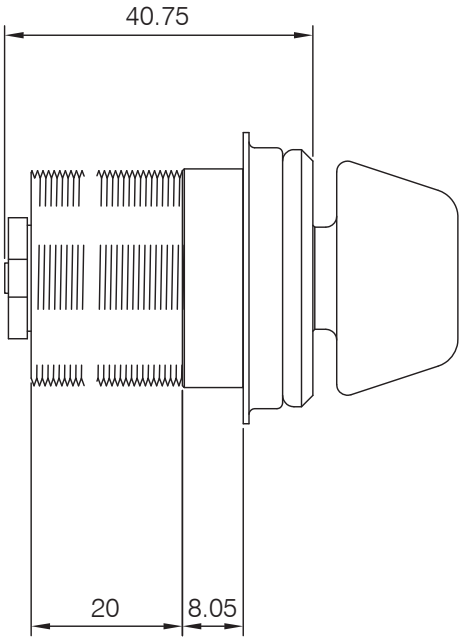
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Tel: +44(0)1403 261 844
Email: axim@builtwithbailey.com
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LK 2100-75



LK 2100-76

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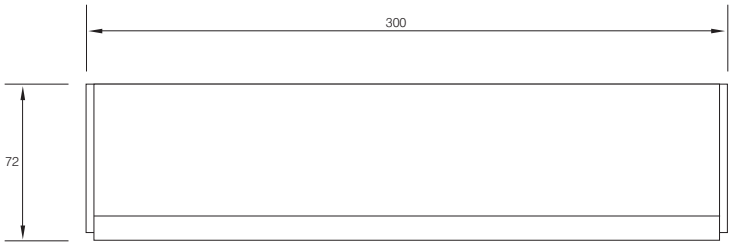
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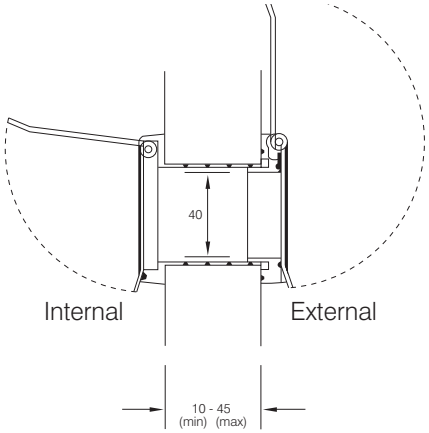
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Axim	TITLE **LETTER PLATES LP-500 SERIES**	SHEET No. **8:01**
	SUB TITLE **LETTER PLATE AND EXTENSION SLEEVE EX-570**	

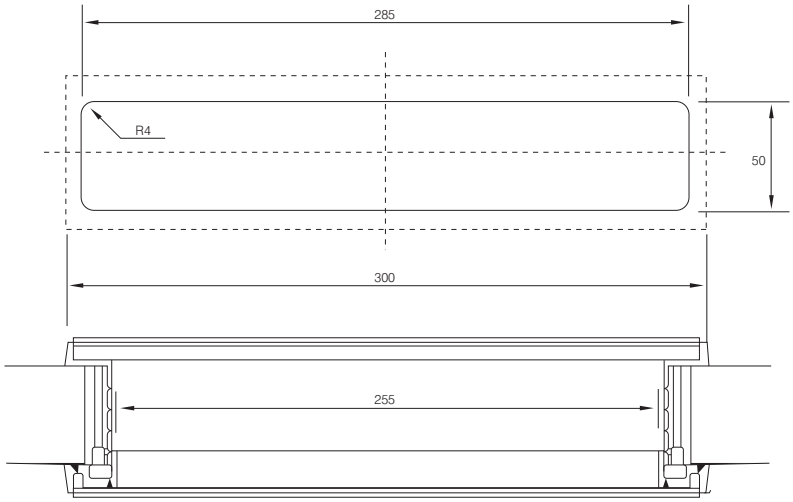
LP-500 LETTER PLATE





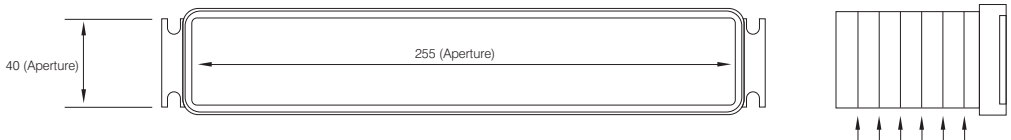
Letter plate assembly mill finish	LP-500-ML
Letter plate assembly S.A.A finish	LP-500-AL
Letter plate assembly Bronze 547 finish	LP-500-DU
Letter plate assembly Black Anodised finish	LP-500-BK
Letter plate assembly White P.C.C finish	LP-500-WT
Letter flap set stainless steel anodised	LP-500-SS

Cut-out detail

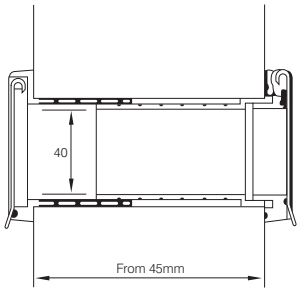


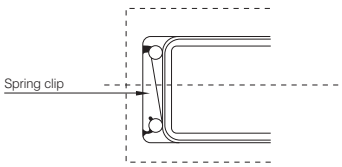
EX-570 LETTER PLATE EXTENSION SLEEVE

Letter plate extension sleeve EX-570 supplied with 2 No. Spring Clips and 120mm Fixing Screws.



Cut to length as required to provide suitable overlap with internal letter plate sleeve.





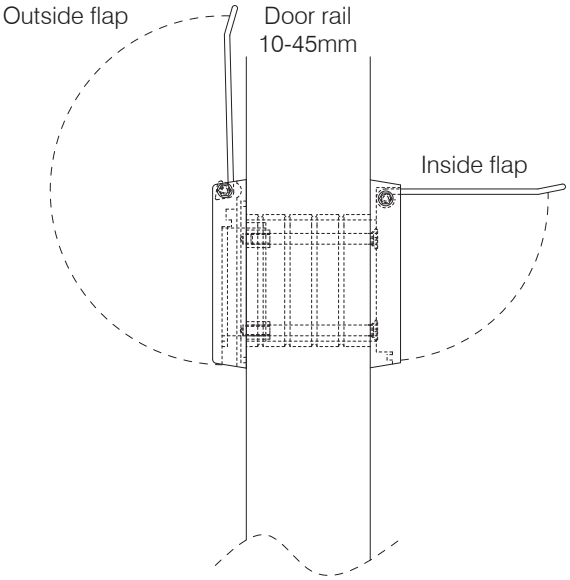
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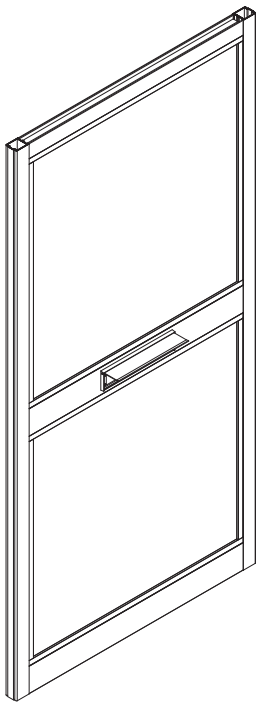
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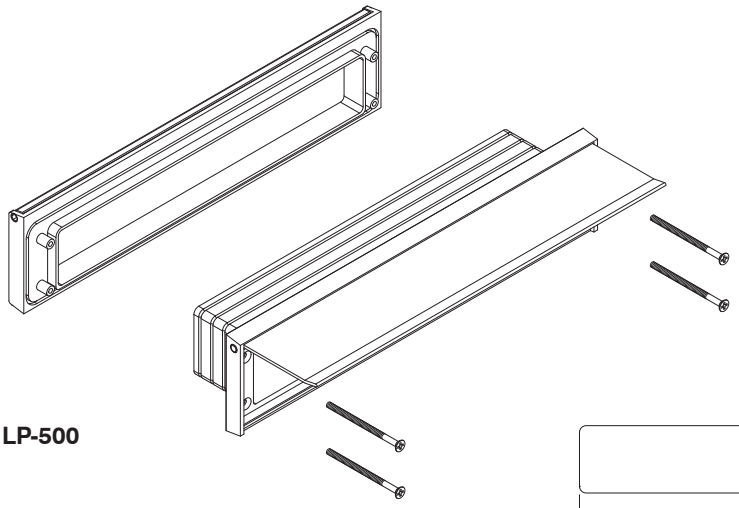
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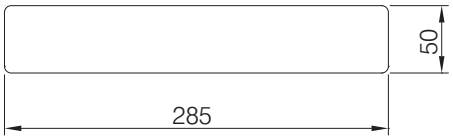
Axim	TITLE **LETTER PLATES LP-500 SERIES**	SHEET No. **8:02**
	SUB TITLE **PREPARATION DETAILS**	







LP-500



Rail preparation:
285 x 50mm cut out
No fixing holes necessary

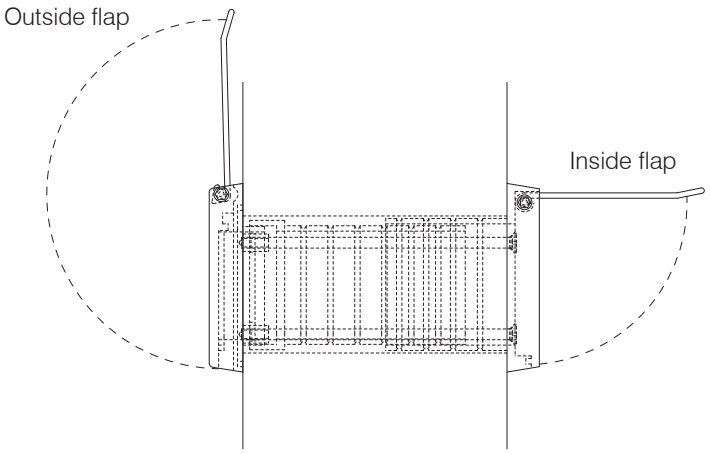
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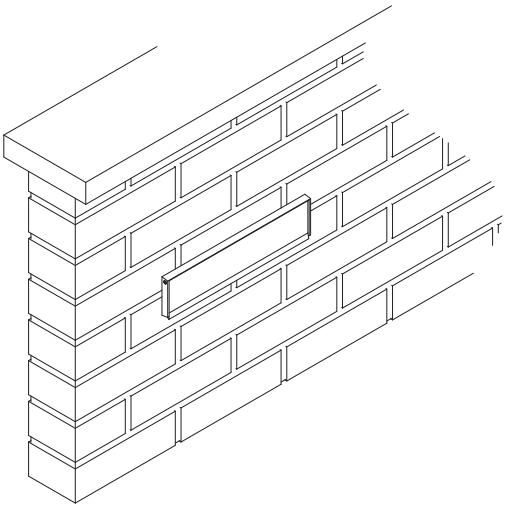
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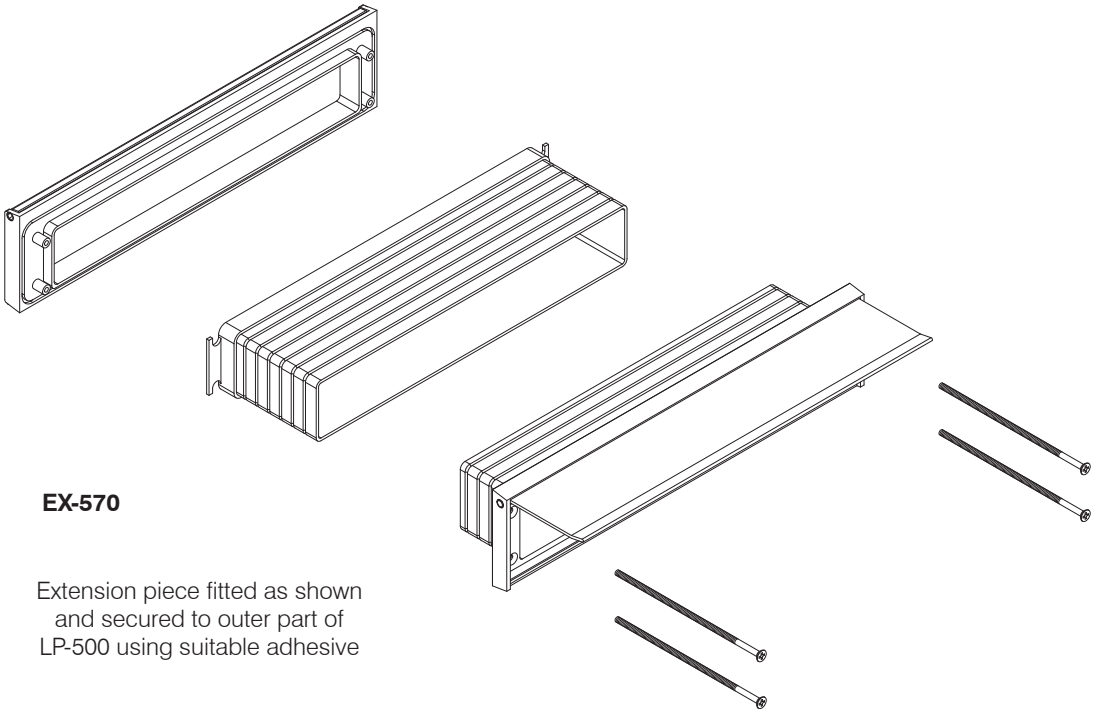
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For scaled technical or CAD drawings, please contact AXIM.

Door rail/wall up to 120mm
(For deeper applications consult
Comar Technical department)







EX-570

Extension piece fitted as shown
and secured to outer part of
LP-500 using suitable adhesive

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