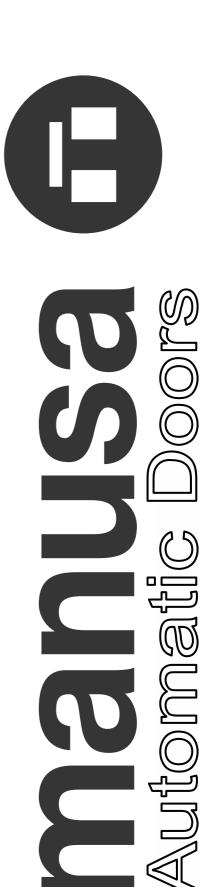
assembly manual Op. Visio L1H





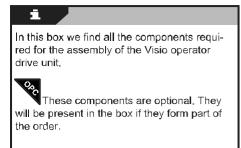
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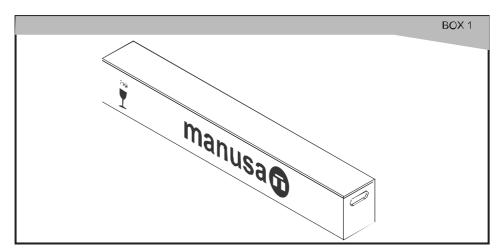
Visio Lateral 1 Leaf Operator

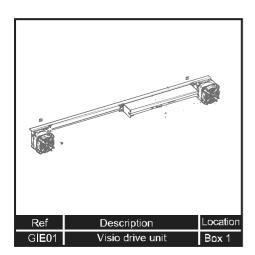
Assembly f1

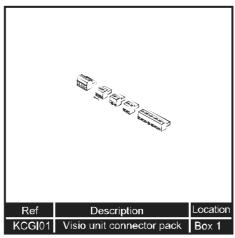
Unpacking the material

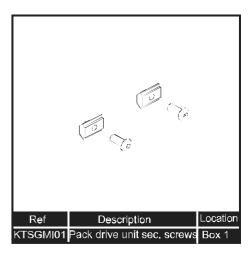
1.1 DRIVE UNIT BOX











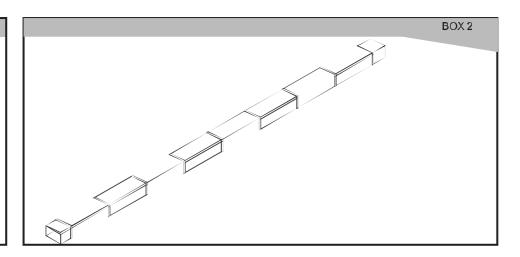


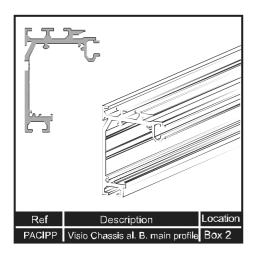
1.2 CHASSIS BOX

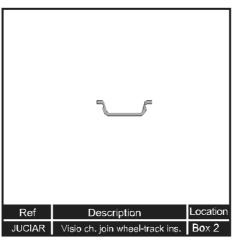
4

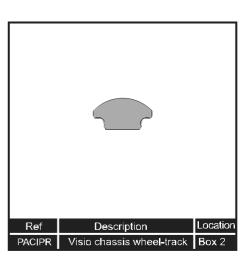
In this box we find the sections and components which make up the Visio operator chassis.

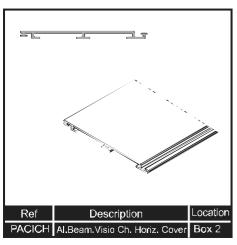
These components are optional. They will be present in the box if they form part of the order.

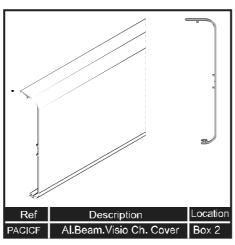


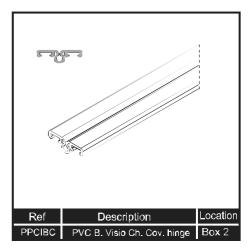




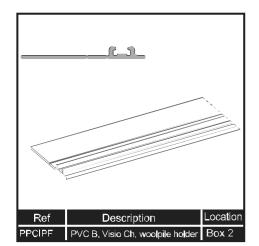


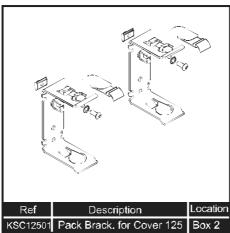


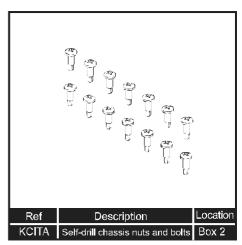


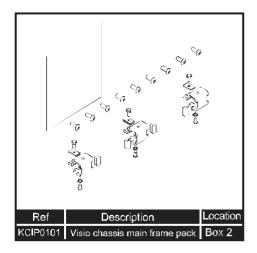


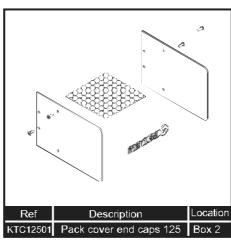
1.2 CHASSIS BOX

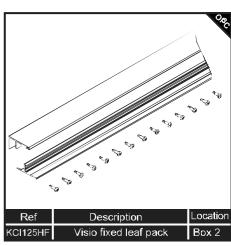








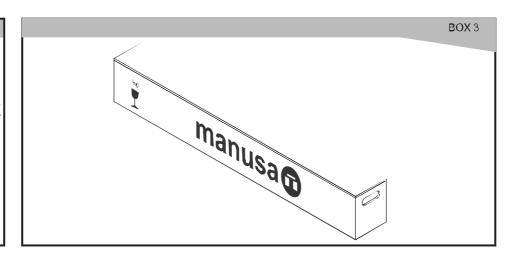


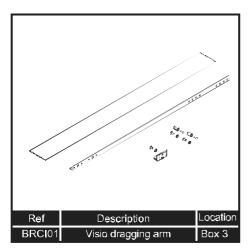


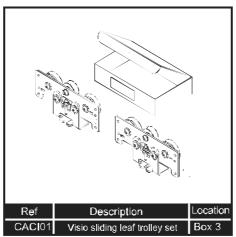
1.3 ACCESSORIES

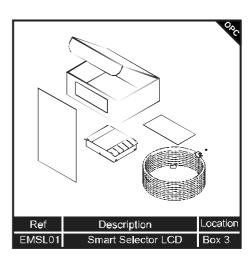
In this box we find all the accessories required for the assembly of the Visio operator.

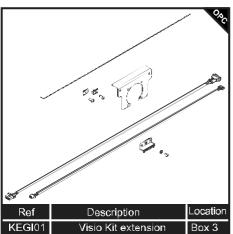
These components are optional. They will be present in the box if they form part of the order.











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Visio Lateral 1 Leaf Operator

Assembly f2

Installation dimensions and checks

2.1 LEGEND AND FORMULAE

| Abr | DESCRIPTION | FORMULA |
|-------|---|------------------|
| AH | INSTALLATION OPENING WIDTH | |
| HL | DOOR CLEAR HEIGHT | |
| PL | DOOR CLEAR WIDTH | PL= (AH-Dt)/2 |
| AT | OVERALL OPERATOR WIDTH | AT=PLx2+Dt |
| HM | SLIDING LEAF HEIGHT | HM=HL |
| HF | FIXED LEAF HEIGHT | HF=HL |
| AM | SLIDING LEAF WIDTH | AM=PL+Sp |
| AF | FIXED LEAF WIDTH | AF=AH-PL |
| HV | BEAM HEIGHT | HV=HL+28 |
| HT | OVERALL DOOR HEIGHT | HT=HL+125 |
| HR | MINIMUM CEILING HEIGHT | HR=HT+(5 min) |
| Dt | TOTAL DOOR DEDUCTION | Dt=Dop+S1+S2 |
| S2 | MINIMUM SAFETY DISTANCE HEAD AND BODY | AS PER DET 2.4.1 |
| S1 | MINIMUM SAFETY DISTANCE HANDS AND FINGERS | AS PER DET 2.4.2 |
| Sp* | OVERLAP FIXED LEAF / SLIDING LEAF | DEP. ON WOODWORK |
| Dop * | OPERATOR DEDUCTION | DEP. ON WOODWORK |

Dop * Operator deduction depending on woodwork:

Woodwork 20,30,35,40 = 50

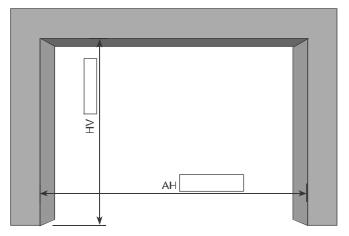
Woodwork 44 = 100

Woodwork SOS 44 = 150

Sp* Overlap between door leaves depending on woodwork:

Woodwork 20,30,35,40 = 40
Woodwork 44 = 95

2.2 INSTALLATION DIMENSIONS



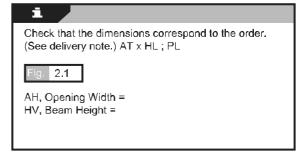
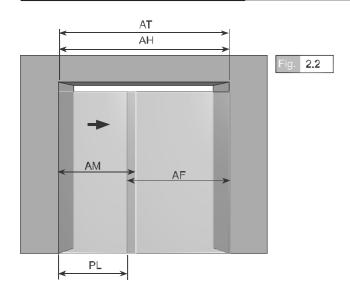
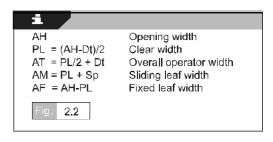


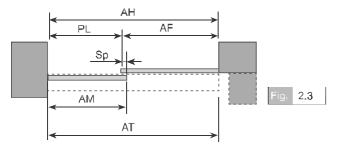
Fig. 2.1

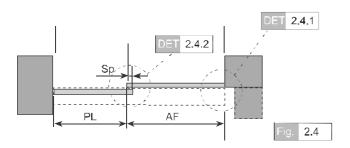
2.3 DOOR DIMENSIONS

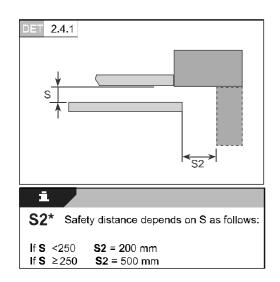
2.3.1 DOOR WIDTH

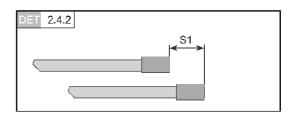






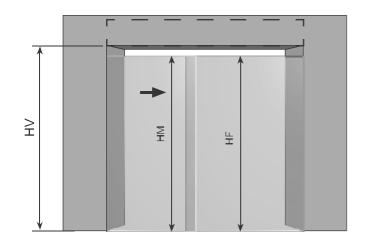






| i | | | |
|--|-------------------------|------------|--|
| \$1* Safety distances depending on Woodwork: | | | |
| F.0# | D20 T20 F20 D20 T25 D25 | \$1 = 0mm | |
| For | D20,T20,F20,R20,T35,D35 | S1 = 0mm | |
| For | E20 | S1 = 50mm | |
| For | I 30 | S1 = 55mm | |
| For | C4 4 | S1 = 105mm | |
| For | S44 | S1 = 105mm | |

2.3.2 DOOR HEIGHT



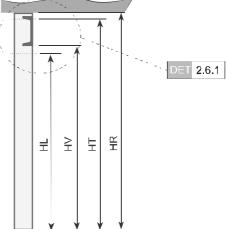
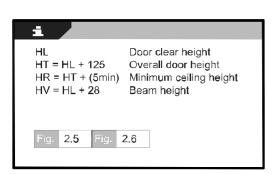
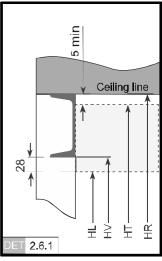


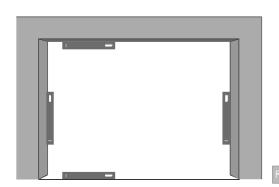
Fig. 2.**5**







2.4 CHECKS



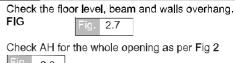
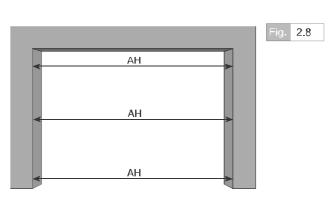


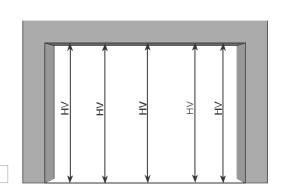
Fig. 2.8

Check that minimum HV = HL+28 for the whole opening

Fig. 2.9

2.9



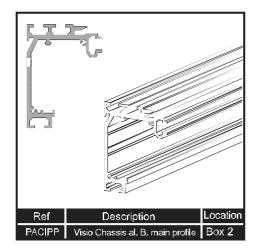


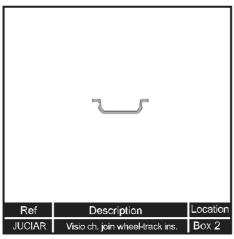
2.7

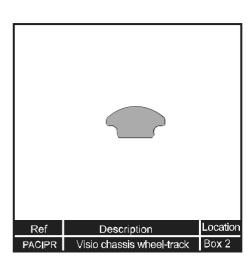
Visio Lateral 1 Leaf Operator

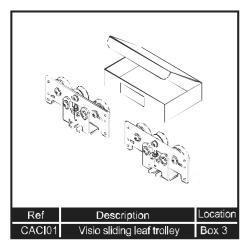
Assembly f3

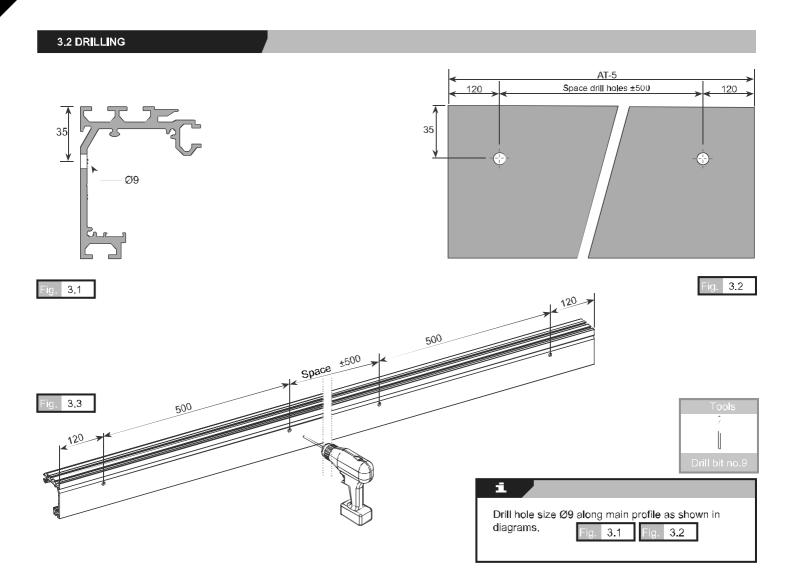
Prepare main profile











3,3 TRACK PROFILE ASSEMBLY



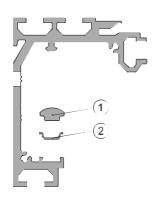


Fig. 3.4

1. Track profile
2. Insulation profile
Length = AT-20mm
Length = AT-20mm

3.3.2 POSITION

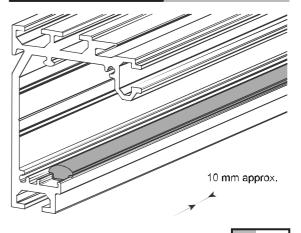
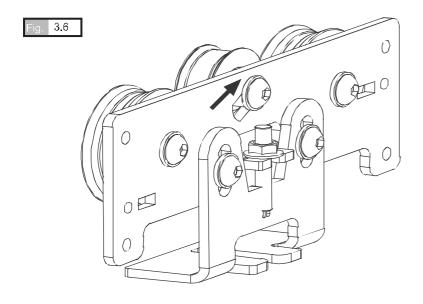
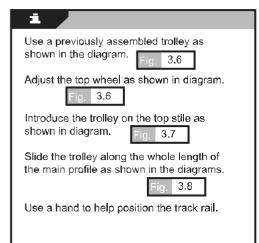


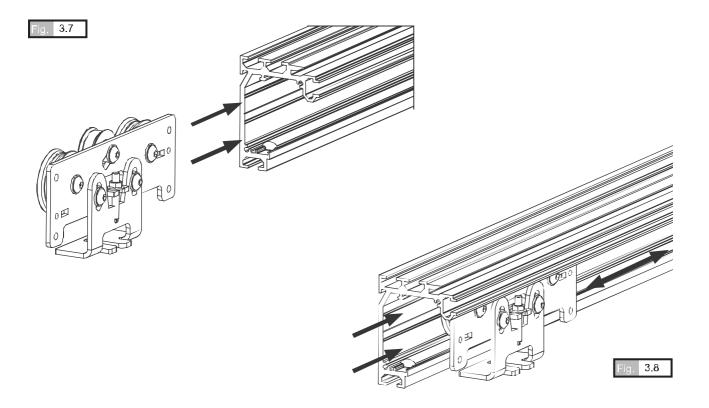
Fig. 3.5

Keep a distance of 10mm to the right and left of the main profile.

3.4 ADJUST TRACK PROFILE



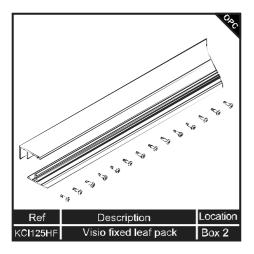




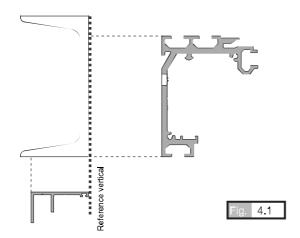
Visio Lateral 1 Leaf Operator

Assembly f4

Main profile and top lintel assembly.



4.2 PROFILES LAYOUT

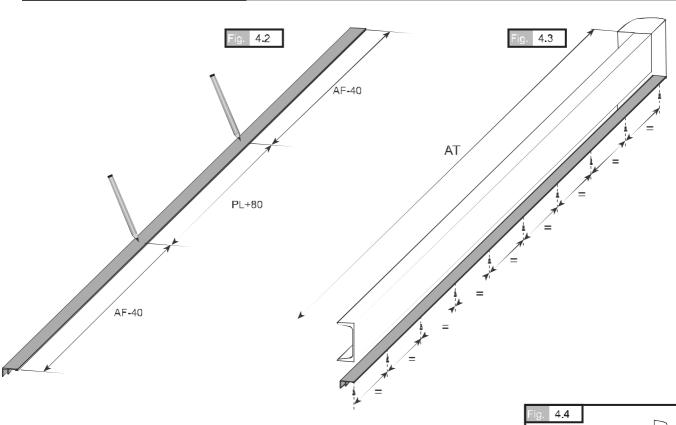


Set out the sections as shown in the diagram.

Fig. 4.1

4.3 TOP LINTEL ASSEMBLY

4.3.1 Mark and screw.



Make marks in the top lintel as shown in the diagram.

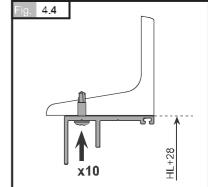
Fig. 4.2

Self thread top lintel to the C-beam x10 self-threading screws placed at equal intervals along the length of the profile, as shown in the diagrams.

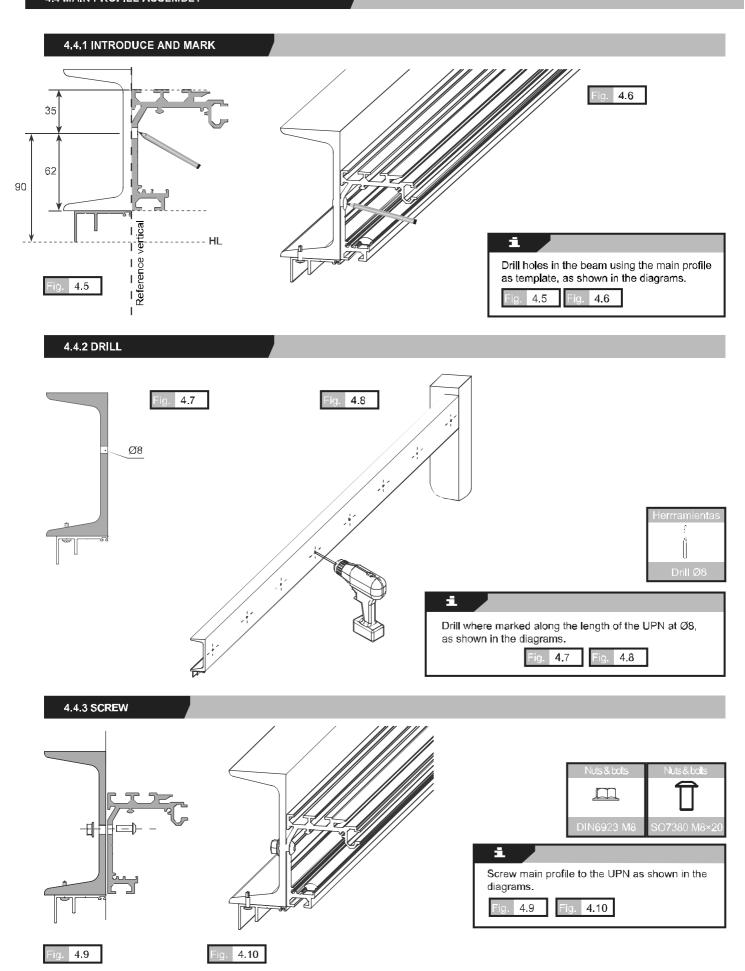
4.3

4.3





4.4 MAIN PROFILE ASSEMBLY



Visio Lateral 1 Leaf Operator

Assembly f5

Prepare bottom lintel.

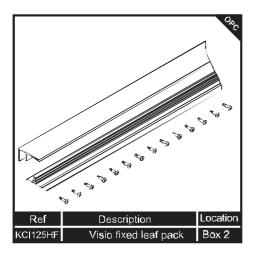


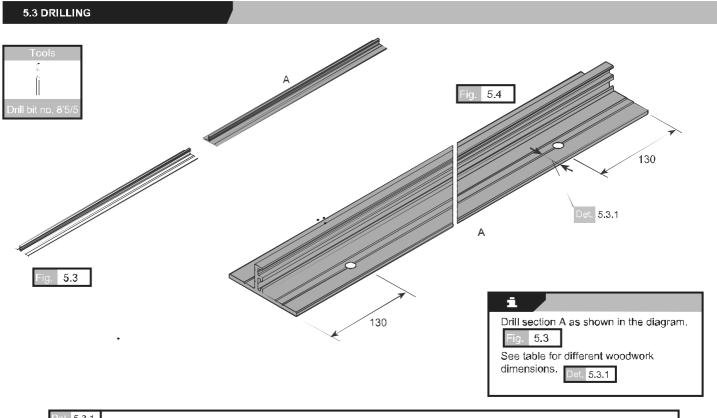
Fig. **5.2.1**

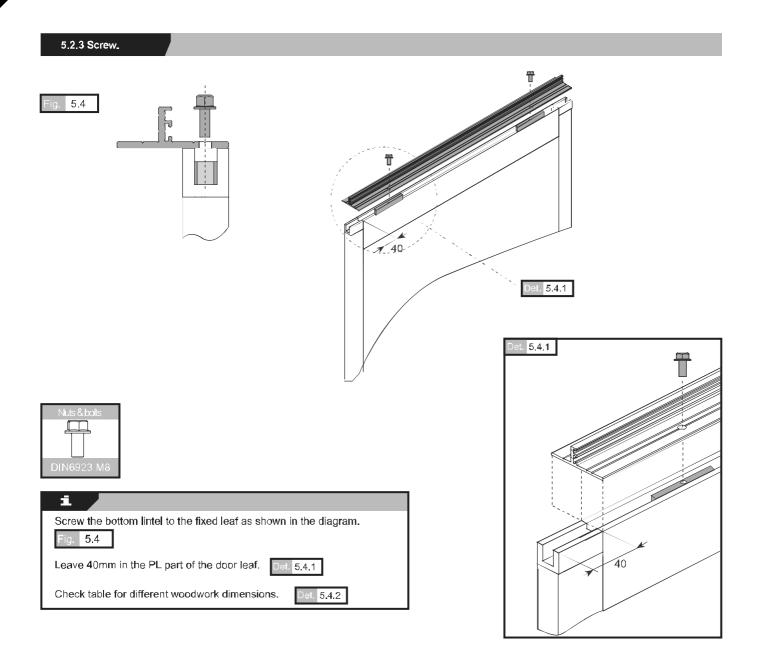
Fig. **5.**2

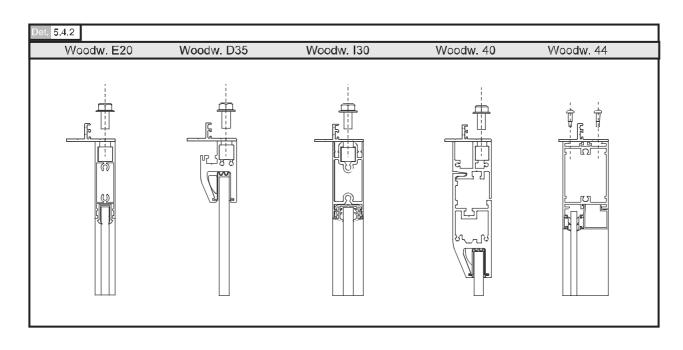
5.2 CUT 5.1 Cut section at A and B.

A = AF - 40

B= PL + 40 AF Fixed Leaf width, PL Clear





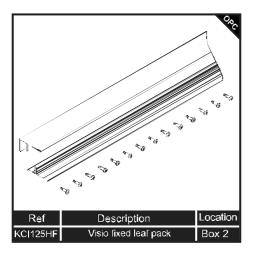




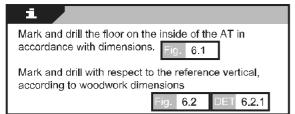
Visio Lateral 1 Leaf Operator

Assembly f6

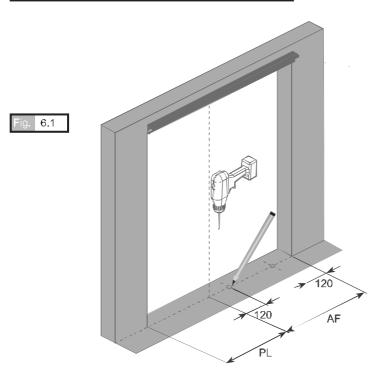
Fixed leaves / bottom lintel (PL) assembly

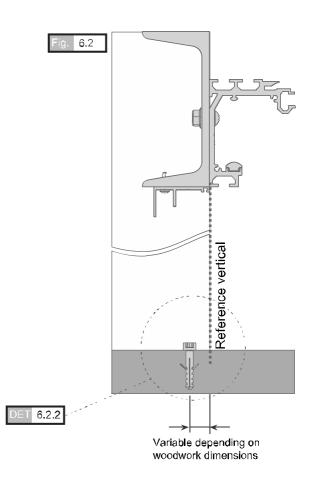


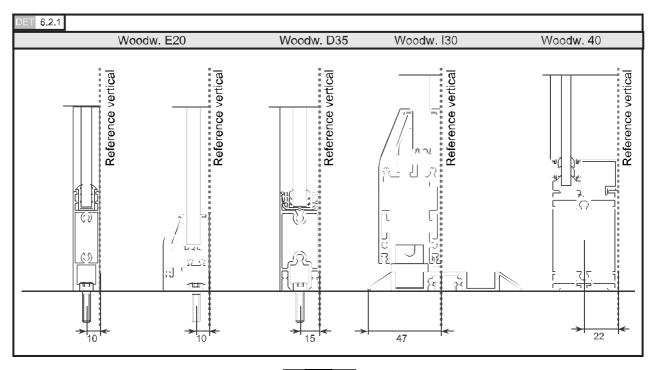
6.2 DRILLING



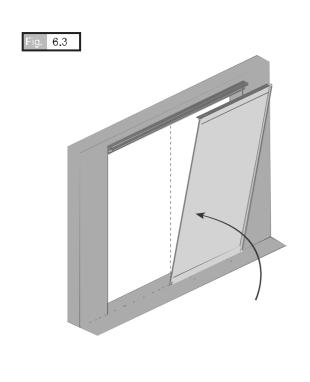


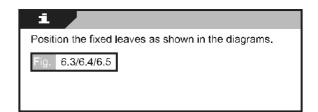


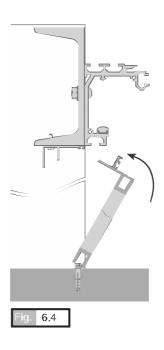


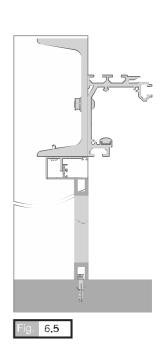


6.3 POSITION FIXED LEAVES





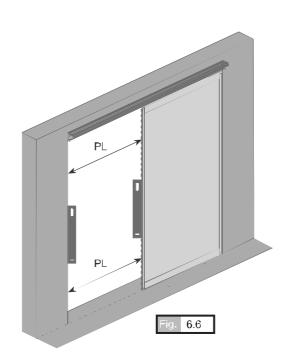




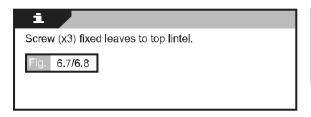
6.4 CHECK FOR PLUMB

Check door leaves (PL) are parallel throughout the clear height.

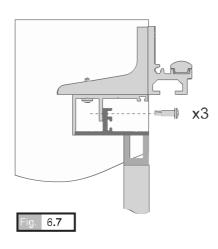
Fig. 6.6

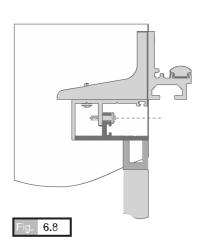


6.5 SCREW

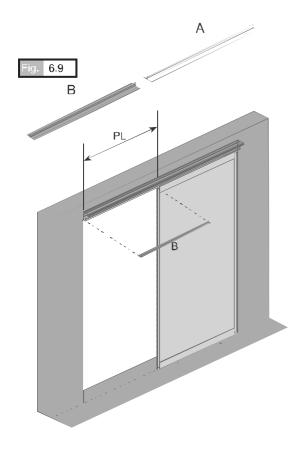


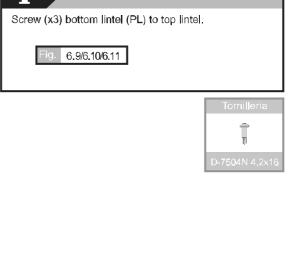


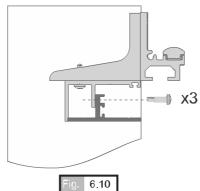


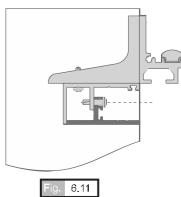


6.6 SCREW







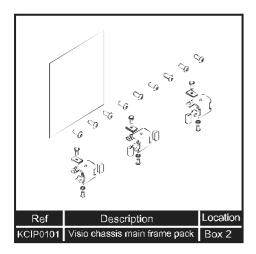


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Visio Lateral 1 Leaf Operator

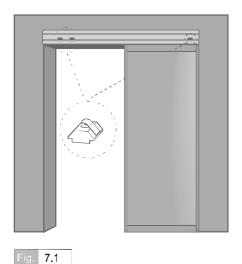
Assembly f7

Lateral stops / lock assembly



7.2 LATERAL STOPS ASSEMBLY

7.2.1 Insert nuts into profile.

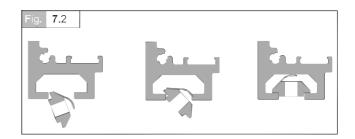


Insert 4 nuts distributed in the AT as shown in the diagram.

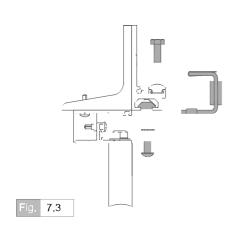
Fig. 7.1

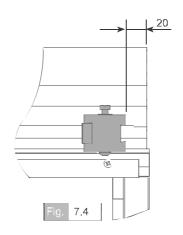
Insert the nuts in the bottom channel of the main profile.

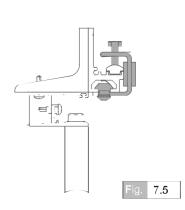
Fig. 7.2



7.2.2 Lateral stops assembly.







Introduce lateral end stops and screws/nuts into main profile.

Fig. 7.3

Position stops at the two ends of the main profile.

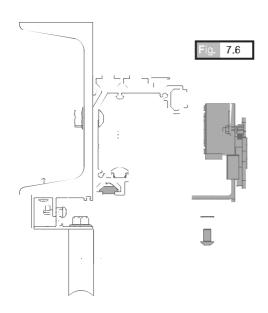
Fig. 7.4

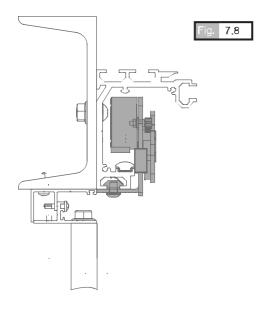
Screw to the nut inside the channel, and tighten the screw over the track rail.

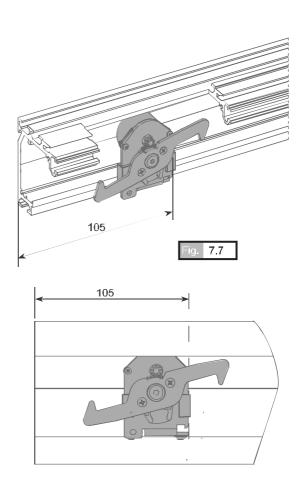
Fig. 7.5

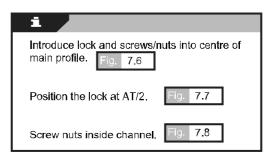
| Nuts&bolts | Nuts&bolts | Niuts & bolts |
|--------------|-------------|---------------|
| T | 204-10444 | |
| DIN7380 6x10 | DIN6798 M-6 | DIN933 6x12 |

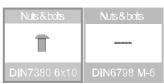
7.3 LOCK ASSEMBLY.









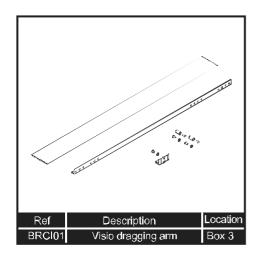


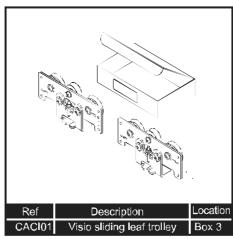
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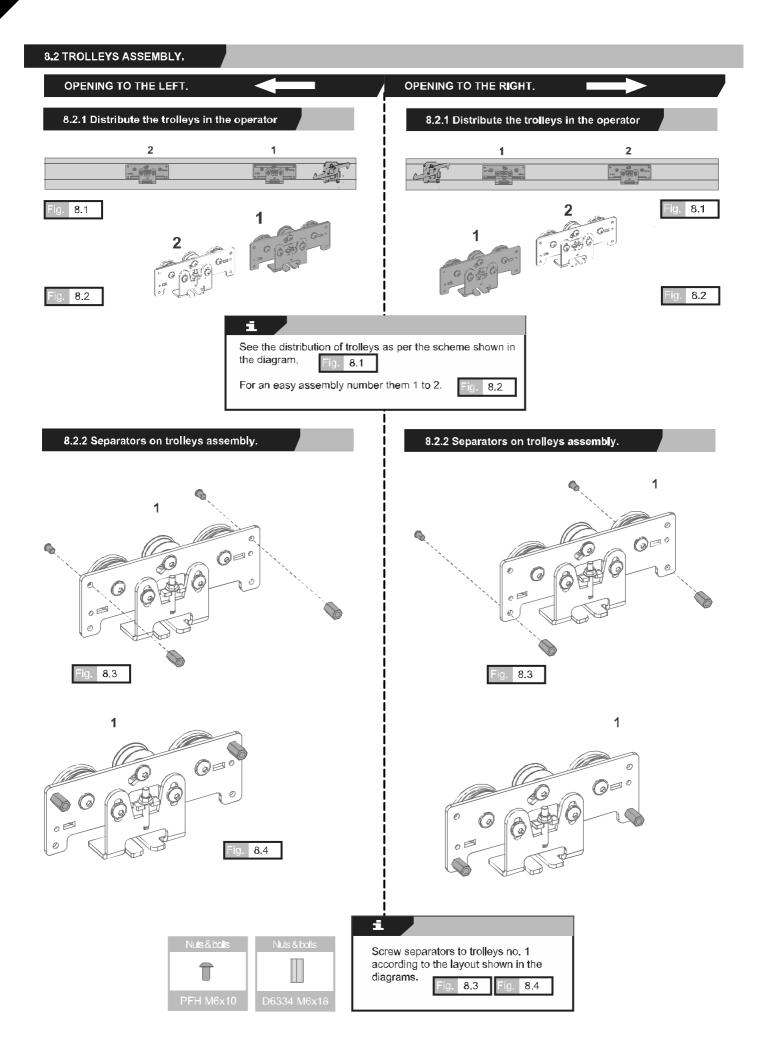
Visio Lateral 1 Leaf Operator

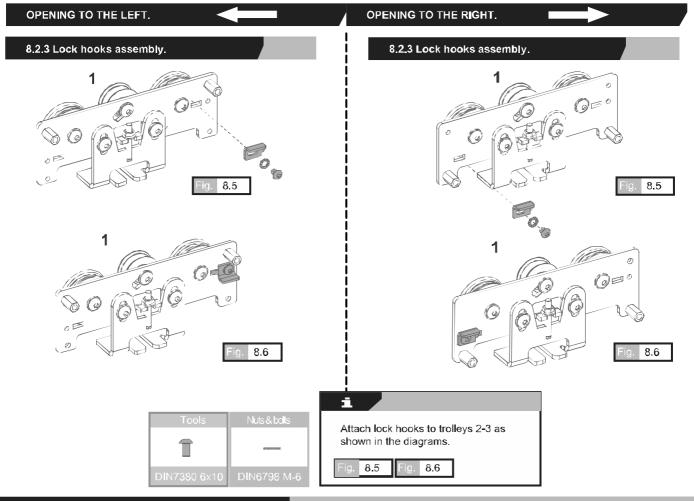
Assembly f8

Dragging trolleys / arms assembly.

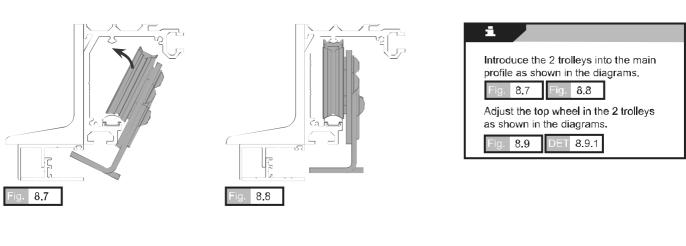


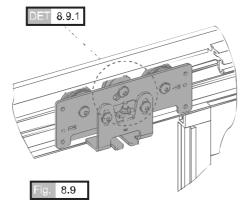


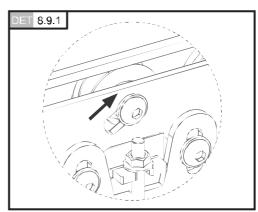


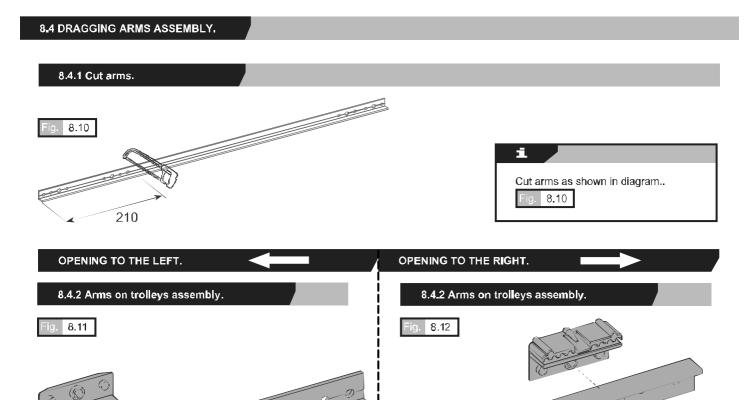


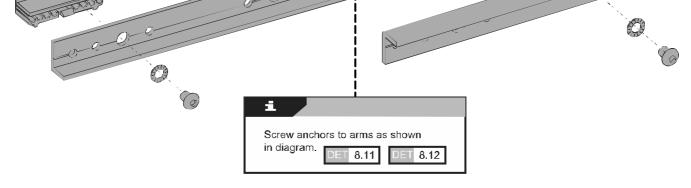
8.3 INTRODUCE TROLLEYS INTO MAIN PROFILE





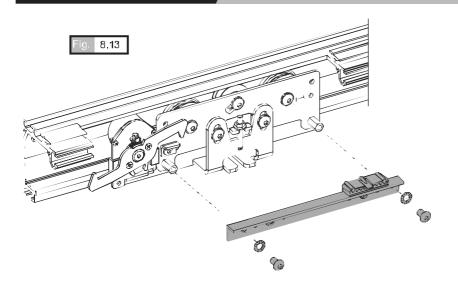






8.4.3 Arms on trolleys assembly.

OPENING TO THE RIGHT.



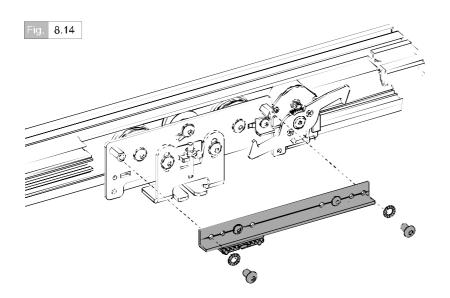
| Nuts & bolts | Nuts & bolts |
|--------------|--------------|
| Î | |
| DIN7380 6×10 | DIN6798 M-6 |

Screw right hand arm to right hand trolley (1) as shown in the diagram.

Fig. 8.13

OPENING TO THE LEFT.

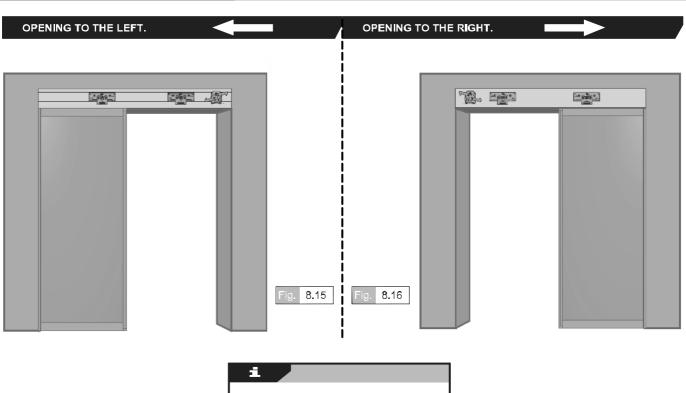
8.4.4 Arms on trolleys assembly.



| Nuts&bolts | Nuts&bolls |
|--------------|-------------|
| 1 | 45-14-31 |
| DIN7380 6x10 | DIN6798 M-6 |
| | |

Screw left hand arm to left hand trolley (1) as shown in the diagram. Fig. 8.14

8.5 FINAL LAYOUT OF TROLLEYS / ARMS



See correct layout once the trolley and arm assembly is complete.

Fig. 8.13

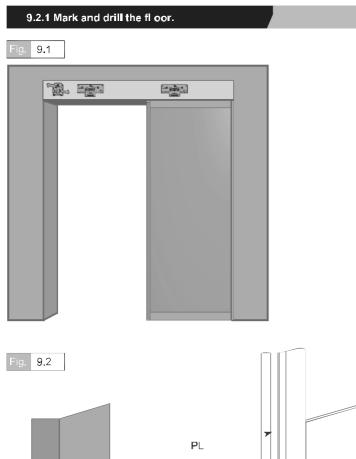
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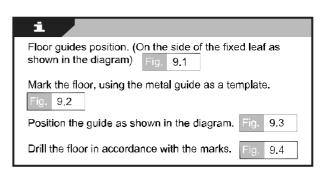
Visio Lateral 1 Leaf Operator

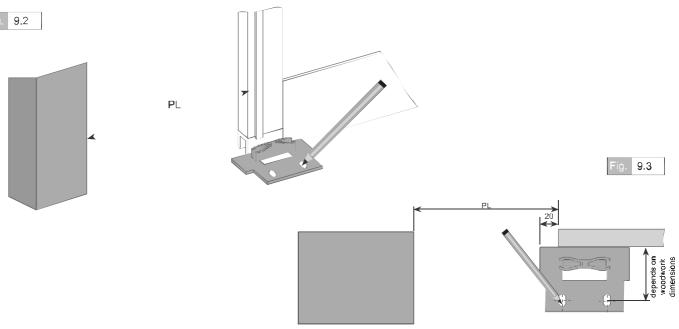
Assembly f9

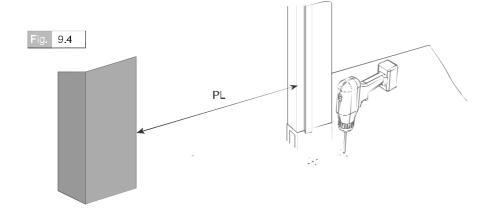
Guide and sliding leaf assembly

9.2 FLOOR GUIDES ASSEMBLY.



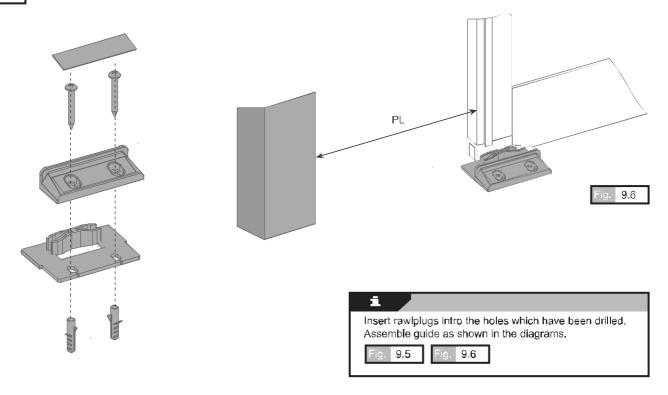






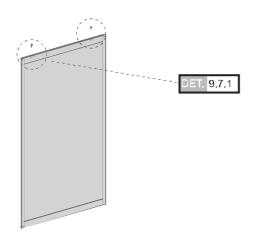
9.2.2 Screw in the guides.





9.3 SLIDING LEAVES ASSEMBLY.

9.3.1 Insert the screws into the square-section bars.



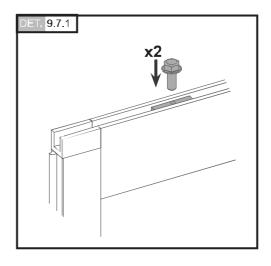


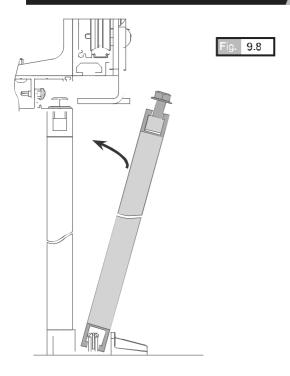
Fig. **9**.7

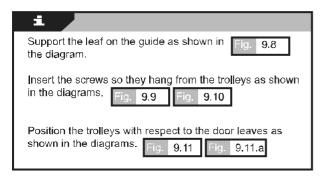


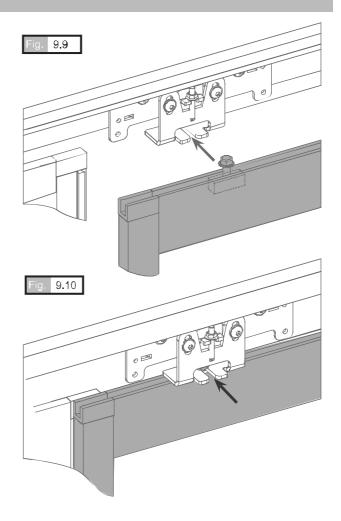
Screw in the screws (2x leaf) into the square section bars on the top of the sliding leaves.

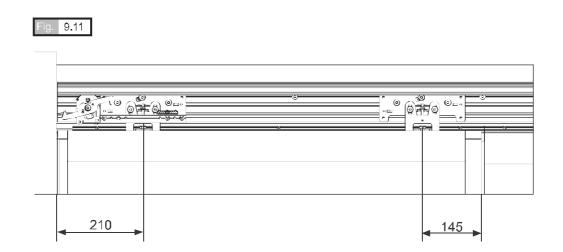
Fig. 9.7 DET. **9.7**.1

9.3.2 Leaves hanger.

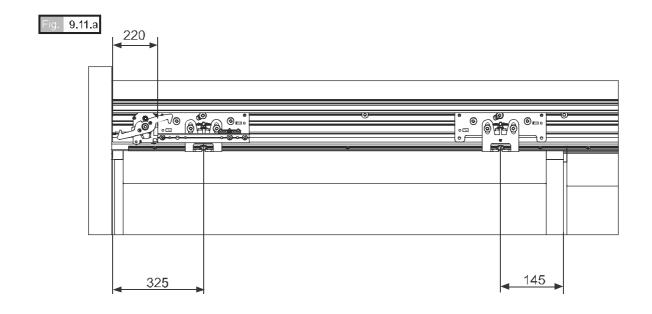




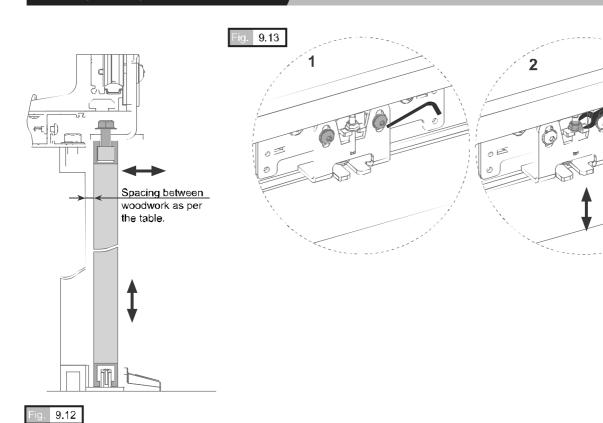




9.14



9.3.3 Adjust sliding leaves.



| Woodwork spacing table | |
|------------------------|----|
| D20,F20,R20,T20,E20 | 6 |
| T35,D35 ,S40 | 6 |
| 130 | 15 |
| C44,S44 | 26 |

Adjust depth of sliding leaves as shown in the diagram.

Fig. 9.12

To adjust height of sliding leaves:
1.- Loosen screws as shown in the diagram.

Fig. 9.13

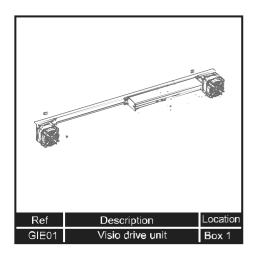
2.- Screw adjustment nut as shown in the diagram.

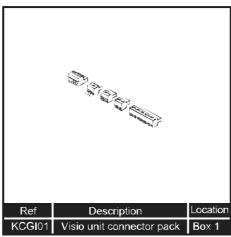
Fig. 9.14

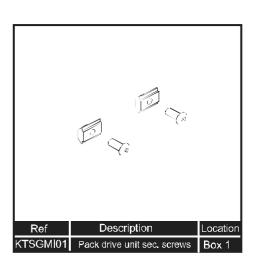
Visio Lateral 1 Leaf Operator

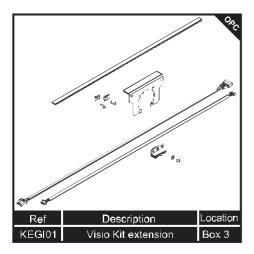
Assembly f10

Drive unit / belt anchor assembly.



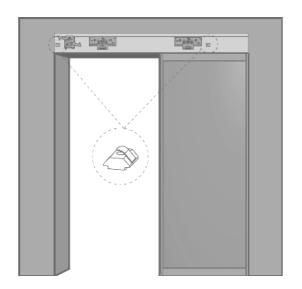


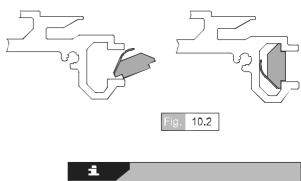




10.2 DRIVE UNIT ASSEMBLY.

10.2.1 Insert nuts in main profile.





Insert nuts in main profile as shown in the dia
Fig. 10.1

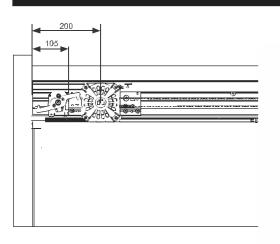
Fig. 10.2

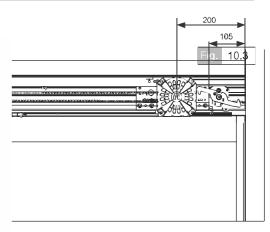
Fig. 10.1

10.2.2 LAYOUT OF COMPONENTS PL<=1000

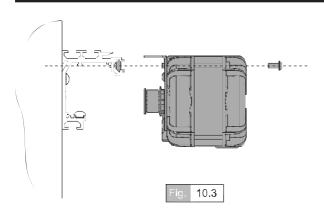


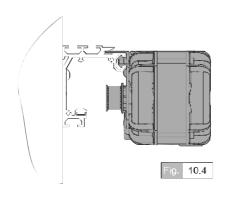






10.2.3 SCREW IN THE DRIVE UNIT





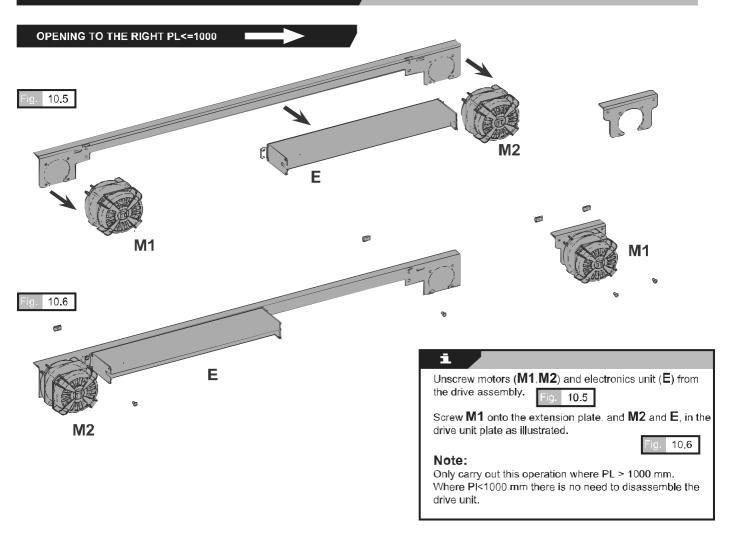


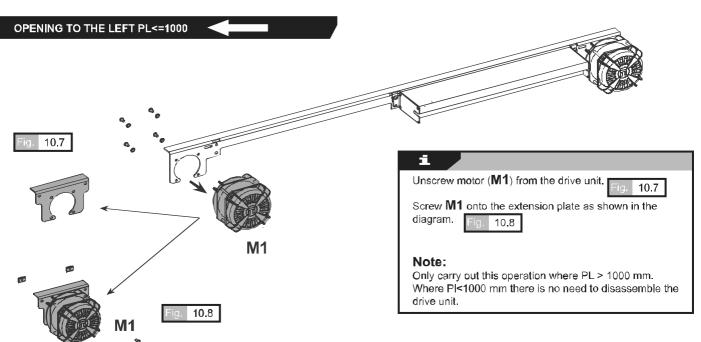


Screw the drive unit to the main profile as shown in the diagrams.

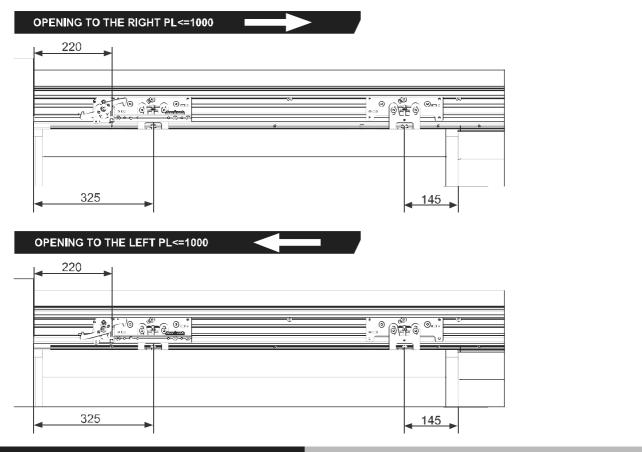
Fig. 10.3 Fig. 10.4

10,2,4 DRIVE UNIT WITH EXTENSION KIT PL>1000 ASSEMBLY

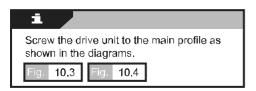


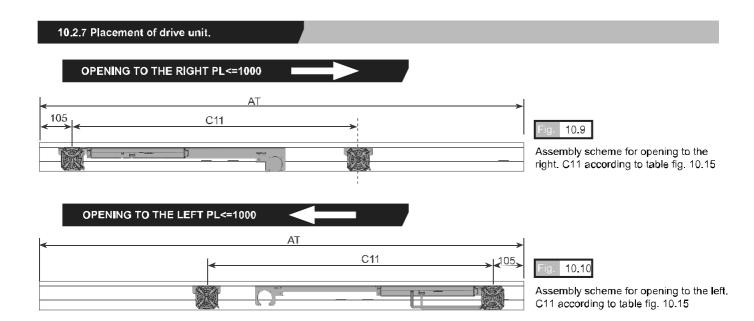


10.2.5 LAYOUT OF COMPONENTS PL>1000

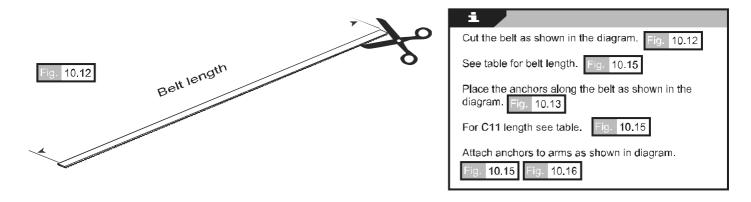


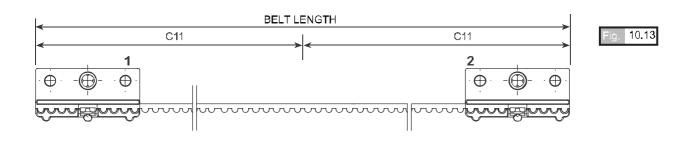
10.2.6 SCREW IN THE DRIVE UNIT



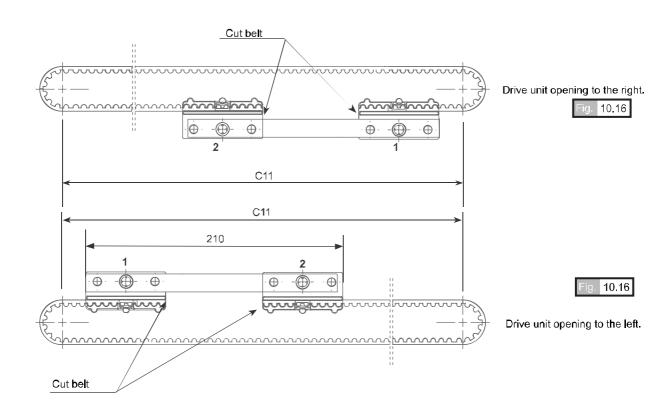


10.3 BELT ASSEMBLY





| PL | C11 | Length of Belt* | |
|-------------------------------|------|--------------------|------------|
| 1000 < PL < 1250 | 1635 | 3350 | |
| 1250 < PL< 1500 | 1885 | 3850 | |
| 1500 < PL < 1750 | 2135 | 4350 | |
| 1750 < PL < 2050 | 2435 | 4 950 | Fig. 10.15 |

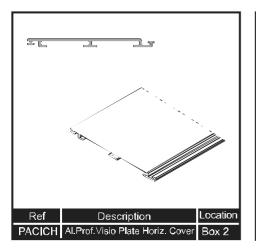


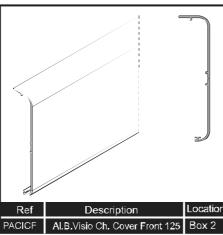
Visio Lateral 1 Leaf Operator

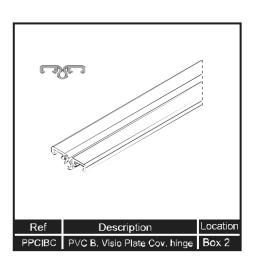
Assembly f11

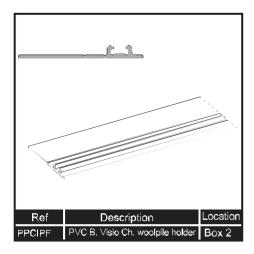
Cover assembly

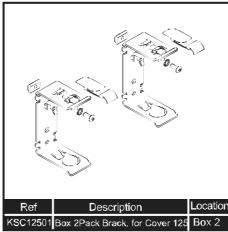
11.1 WHAT WE NEED AND WHERE TO FIND IT.

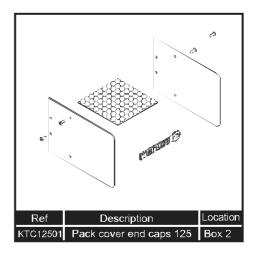




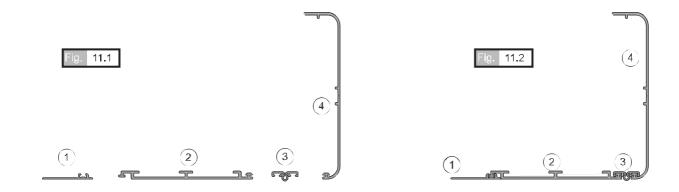


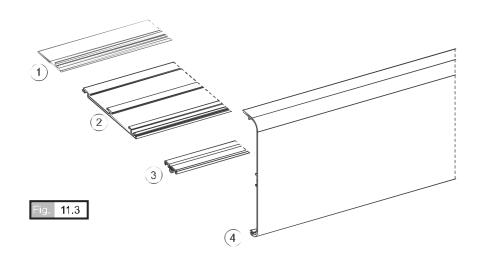


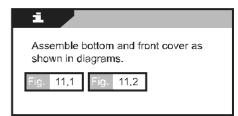




11.2 BOTTOM AND FRONT COVER PRE-ASSEMBLY

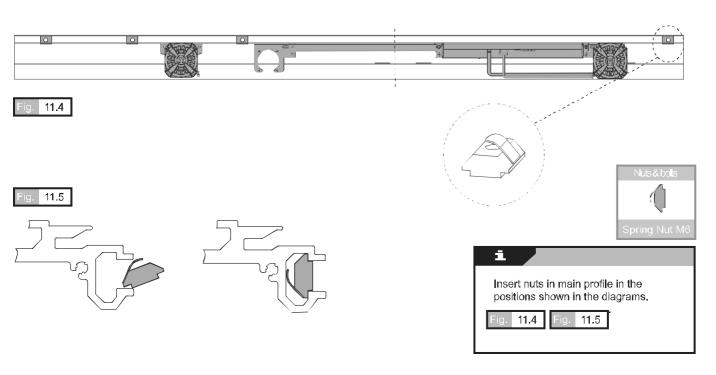




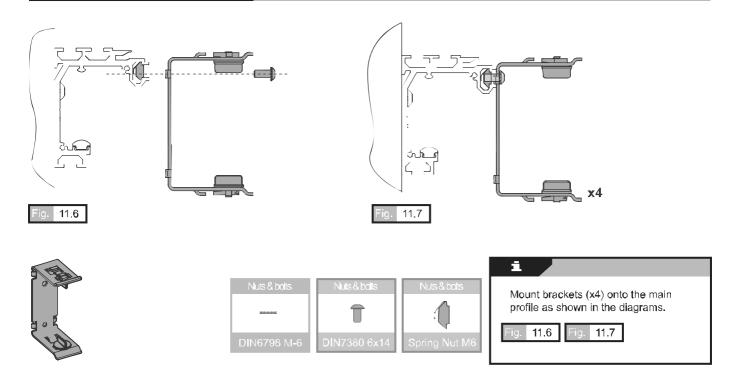


11.3 BRACKETS

11.3.1 Insert nuts.

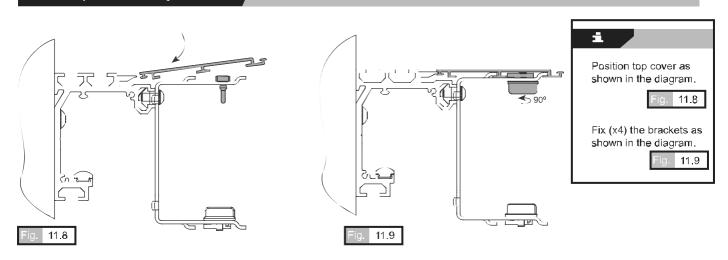


11.3.2 Brackets assembly.

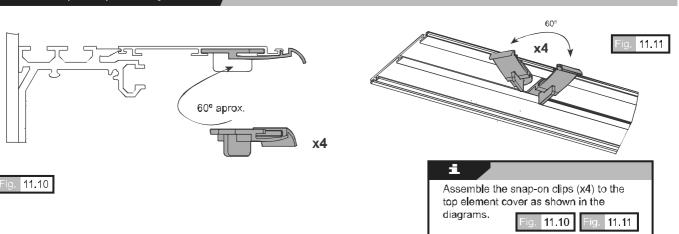


11.4 COVER ASSEMBLY

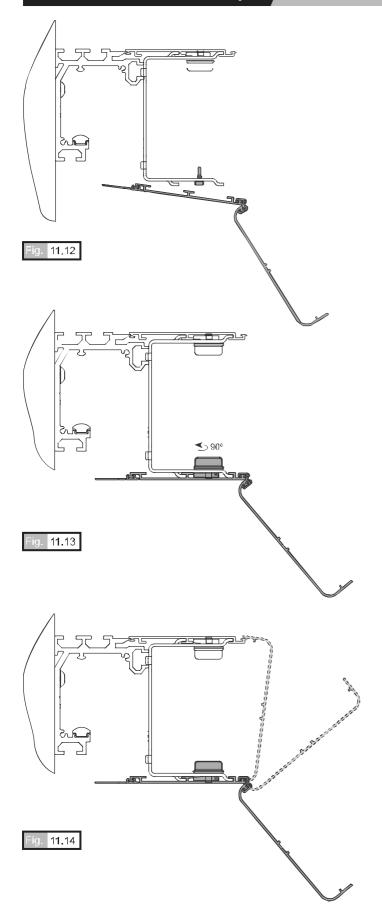
11.4.1 Top cover assembly.

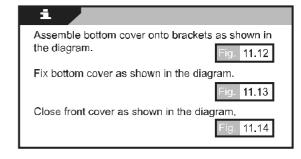


11.4.2 Snap-on clip assembly.

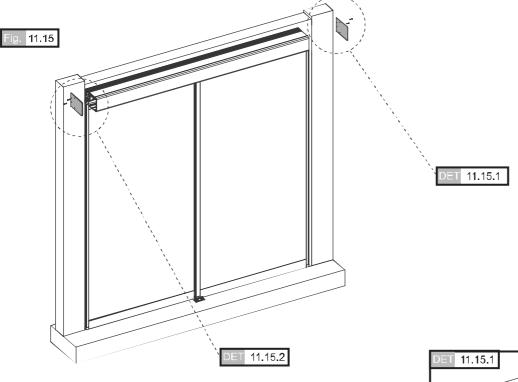


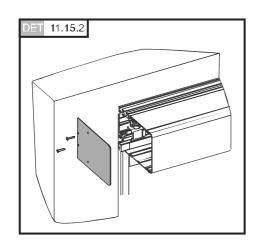
11.4.3 Bottom and front cover assembly

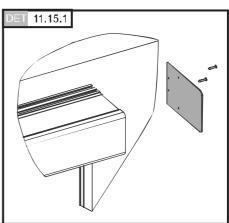




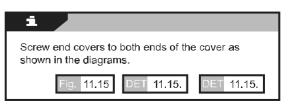
11.4.3 Side caps assembly.











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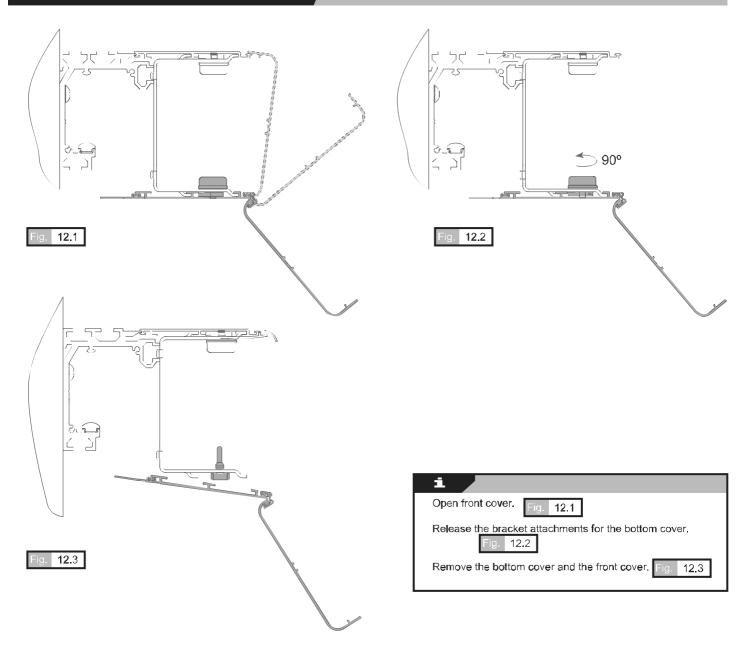
Visio Lateral 1 Leaf Operator

Assembly f12

Manual unlock assembly.

12.1 WHAT WE NEED AND WHERE TO FIND IT.

12.2 REMOVE FRONT AND BOTTOM COVER

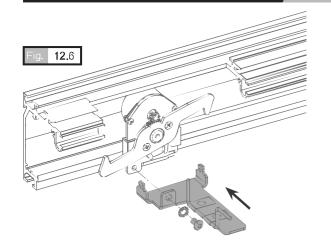


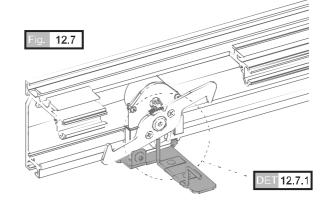
12.2 REMOVE FRONT AND BOTTOM COVER

Drill a hole size Ø10.5 at a distance 30mm from the end of the bottom cover as shown in the diagram. Make the hole in the centre of the bottom cover AT/2 as shown in the diagram. Fig. 12.4 Make the hole in the centre of the bottom cover AT/2 as shown in the diagram. Fig. 12.5 75 for PL<1000 190 for PL>1000 ** Ø10.5

12.4 MANUAL UNLOCK ASEMBLY.

12.4.1 Lock attachment piece assembly.



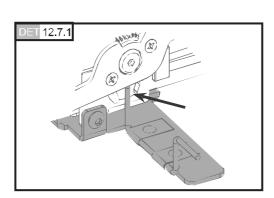




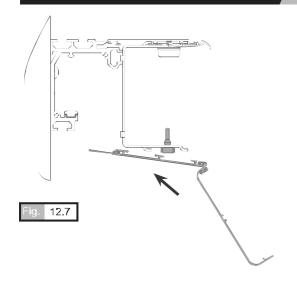
1

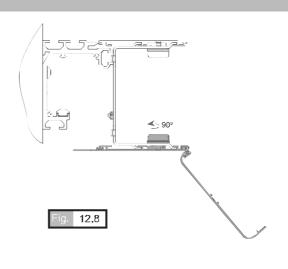
Screw the piece to the lock as shown in the diagram.

Ensure that the actuator is between the two projections as shown in the diagrams. Fig. 12.7 DET 12.7.1



12.4.1 Bottom and front cover assembly





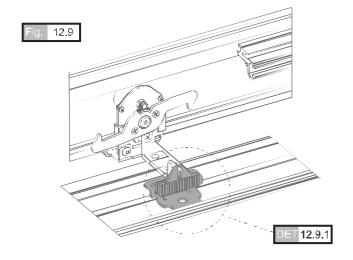
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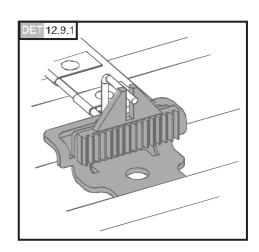
Introduce bottom cover onto brackets as shown in the diagram. Fig. 12.7

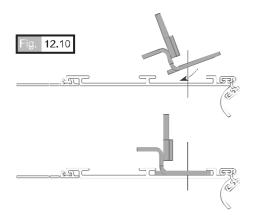
Attach onto brackets (rotate 90°) as shown in the diagram.

Fig. **12.8**

12.4.2 Toothed piece assembly





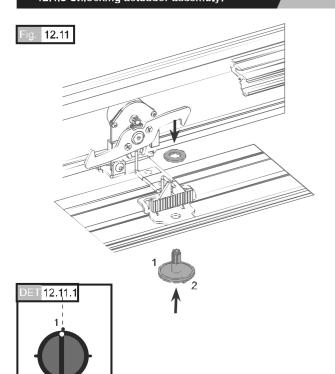


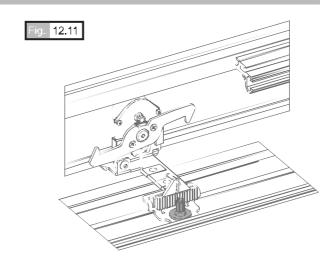
Insert the piece onto the bottom cover as shown in the diagrams. Fig. 12.9 Fig. 12.10

Ensure that the bolt rests in the slot and is centred with respect to the hole in the bottom cover as shown in the diagram.

DET 12.9.1

12.4.3 Unlocking actuador assembly.



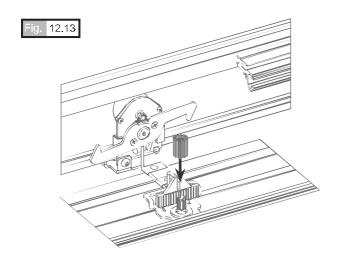


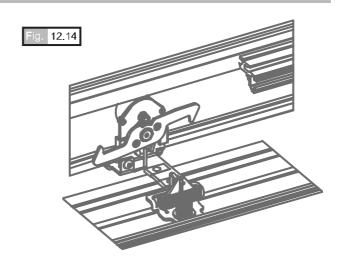
Insert the actuator and securing washer as shown in the diagrams. Fig. 12.11 Fig. 12.11

Ensure that the actuator is oriented as shown in the diagram.

DET 12.11.1

12.4.4 Toothed cylinder assembly

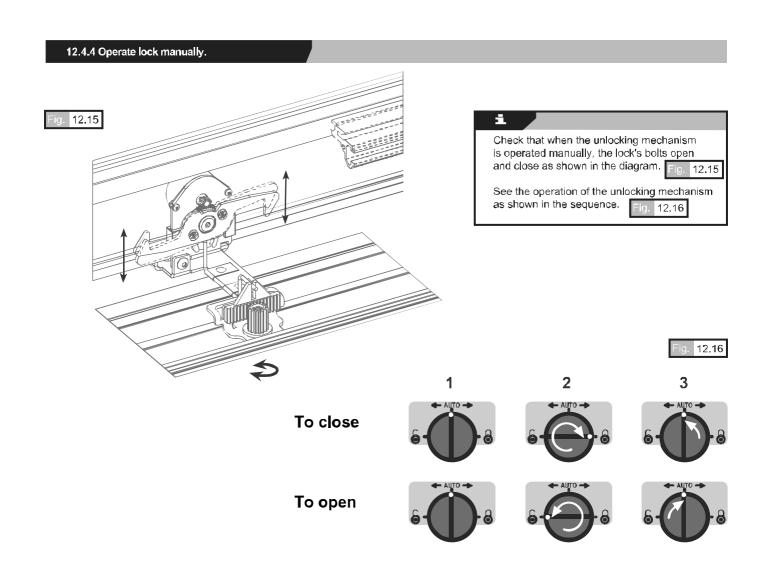




Insert the toothed cylinder as shown in the diagrams.

Fig. 12.13 Fig. 12.14

Push it in all the way until it snaps into place.



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Ctra. Pla de Sta. María 235-239 43800 Valls - Tarragona (Spain) Tel. +34 902 321 700 Fax +34 902 321 750

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The manufacturer reserves the right to make modifications without prior notice.

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