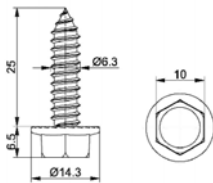


(Battery) drill with	Bit 4,0 mm Bit 4,5 mm Bit 6,5 mm Plug 10 mm Plug 13 mm
Hexagonal key	4 mm
Socket screw spanner	8mm (in)
Ring /open ended spanner	10 mm
Ring /open ended spanner	13 mm
Ring /open ended spanner	15 mm
Ring /open ended spanner	17 mm
Socket wrench	with ¼" square
Wrench	
Gluing clamp	
Cord	
Water level (hose)	
2 blocks of ca. 20 en 40mm in height	
Measuring equipment	

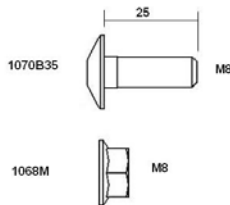
The applicable fixation material is described in the drawings of this manuals. Below an overview of the applied fasteners and optional alternatives.

1055BV, self-tapping screw  
Max torque 10Nm, key 10

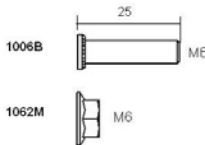


Alternatives: 1055D, screw, 6,3x25mm, with drill-point  
1053BV, screw 6,3x35mm  
1053D, screw 6,3x35mm, with drill-point  
1054-25, 1054-35, screw with socket hex cap, drill point  
1054W-25, 1054W-35, screw with socket hex cap (RAL9010)  
Optional: 1055CAP10, white (RAL9010) cover for screws (key 10)

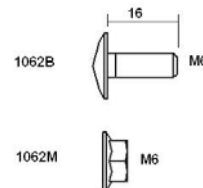
1070B35, bolt M8x25  
1068M, nut M8  
Max. torque 13Nm, key 13



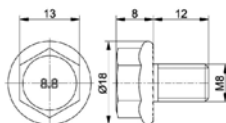
1006B, press bolt  
1062M, nut M6  
Max. torque 9,1Nm, key 10



1062B, bolt M6x16  
1062M, nut M6  
Max. torque 5,3Nm, key 10

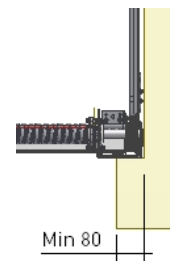
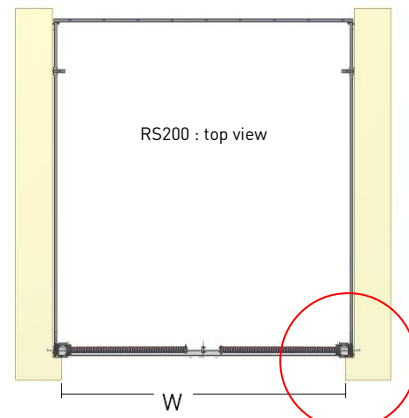
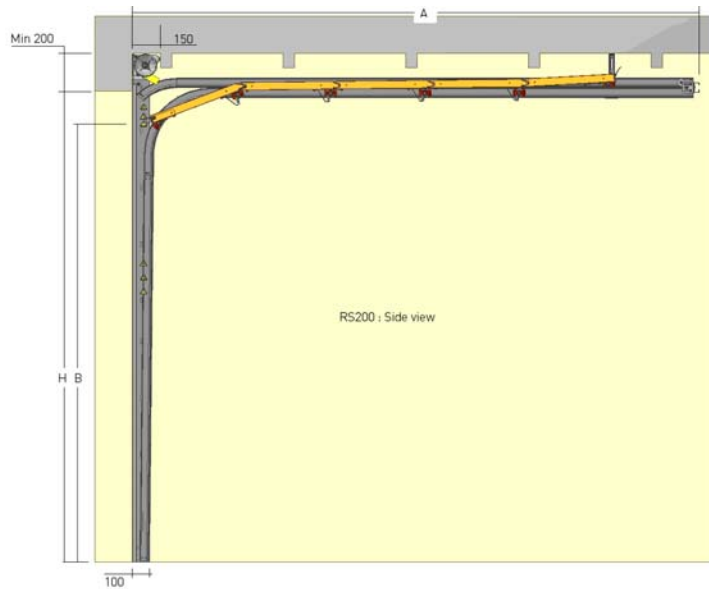
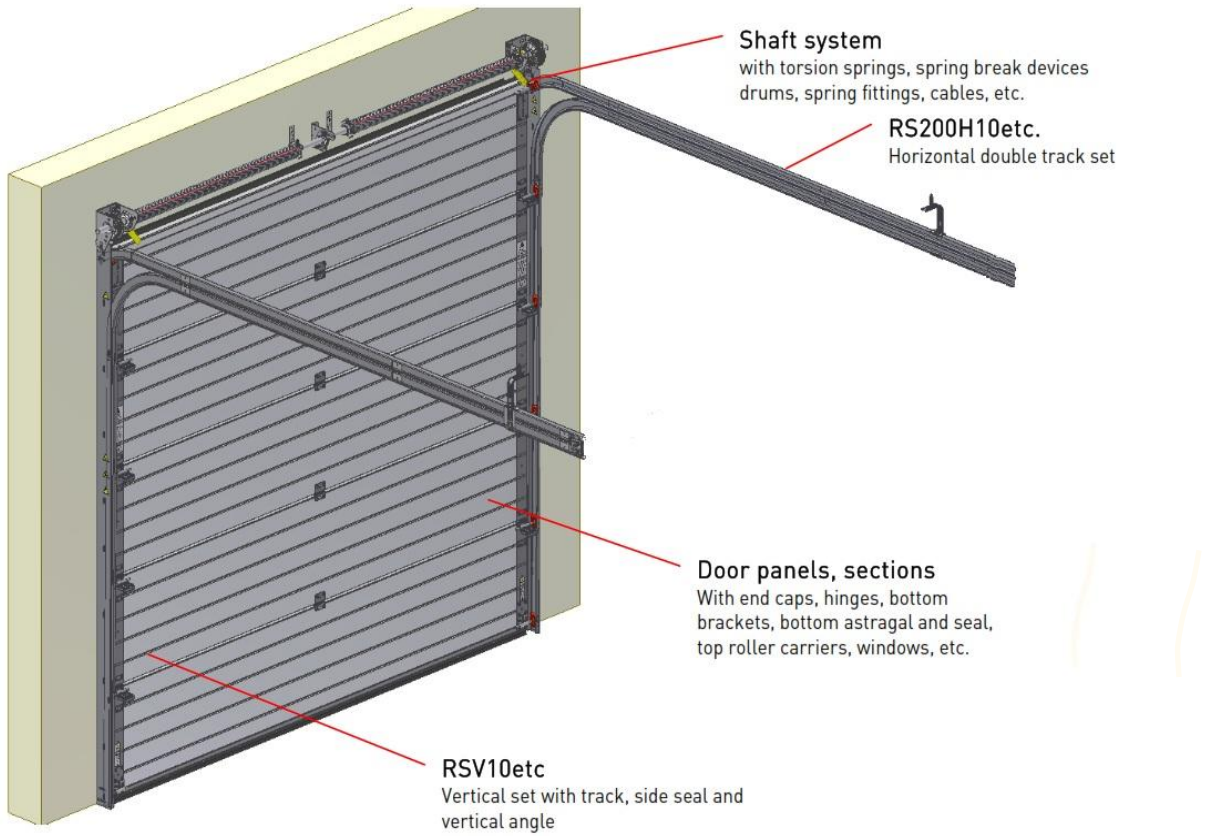


1071BC, bolt M8x12, SuperClick® secure bolt  
Max. torque 10Nm, key 13

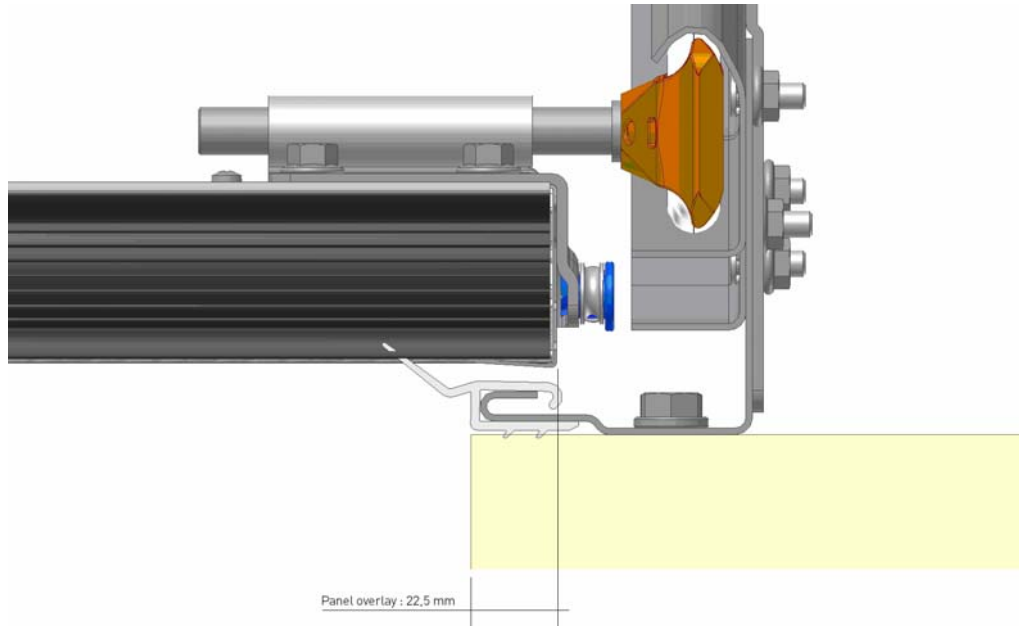


**NB! Fixation material for installing to wall and ceiling is not included in this manual!**

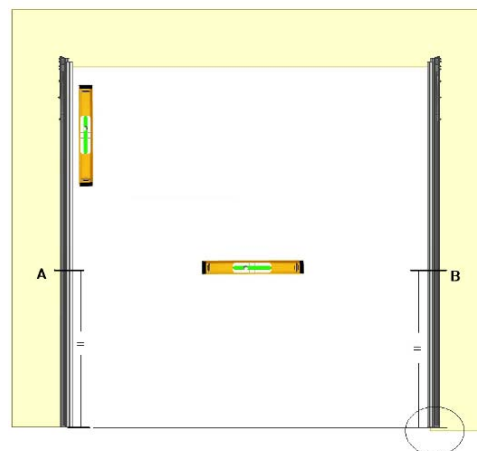
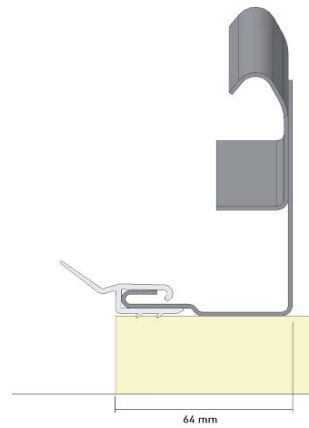
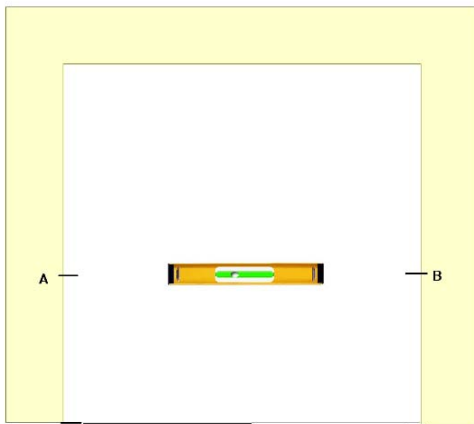
# RS200 SYSTEM OVERVIEW



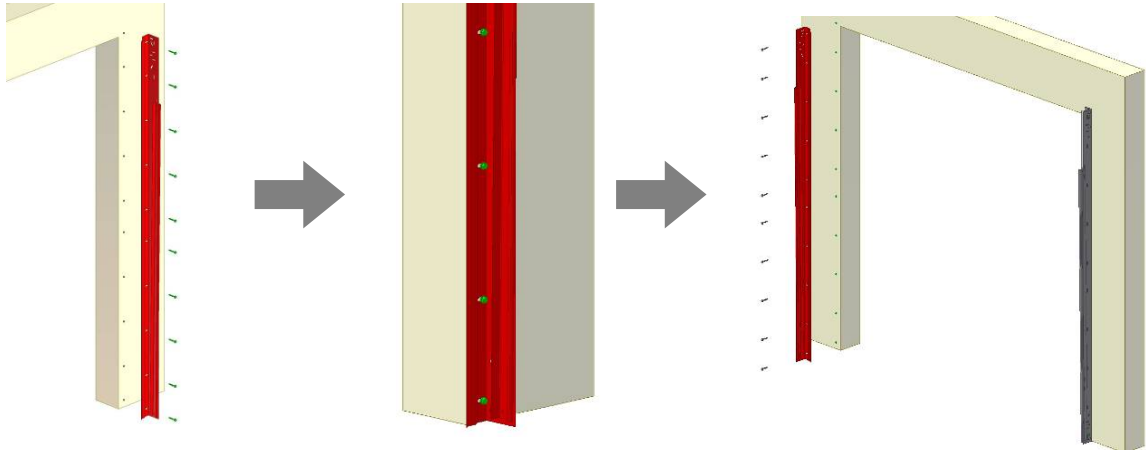
$B = H - 175\text{mm}$  for manual operated doors  
 $B = H - 0\text{mm}$  for e-operated doors



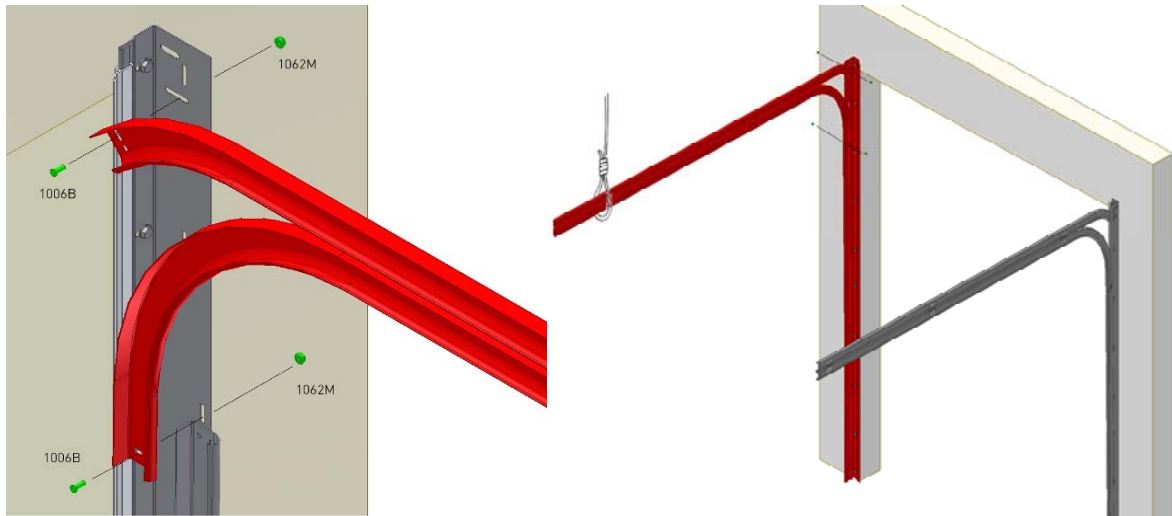
## INSTALLING VERTICAL TRACK SYSTEM



## VERTICAL TRACK SET

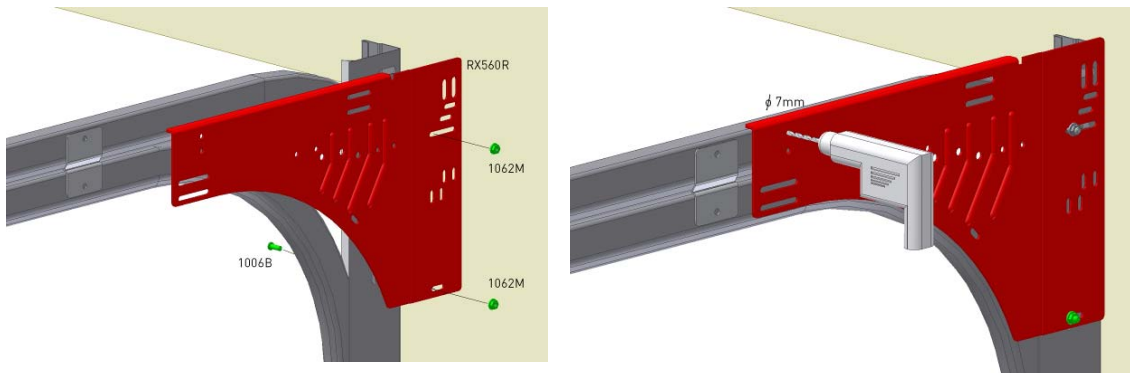


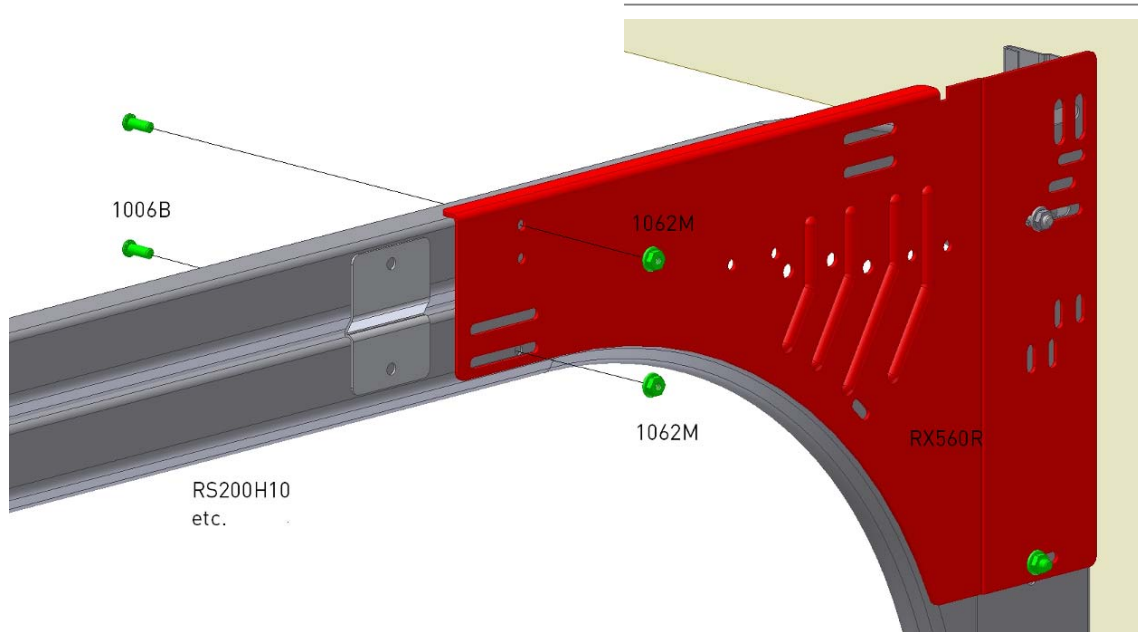
## HORIZONTAL TRACK SET



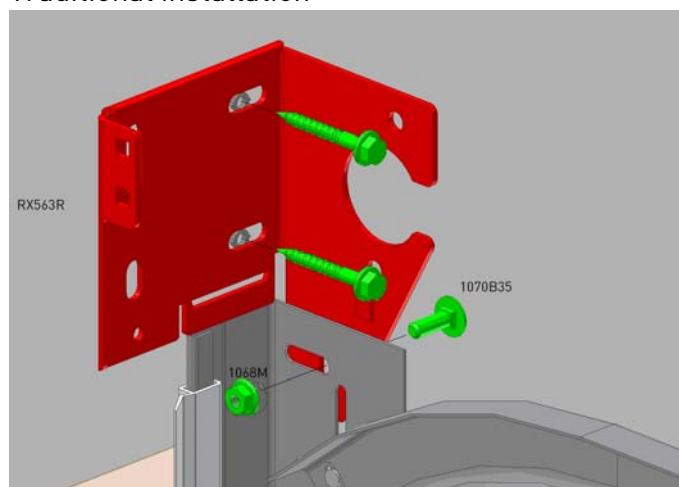
## OPTIONAL: REINFORCEMENT HORIZONTAL TRACK SET

For heavy doors, the horizontal track could be optionally reinforced with plate RX560R/L.

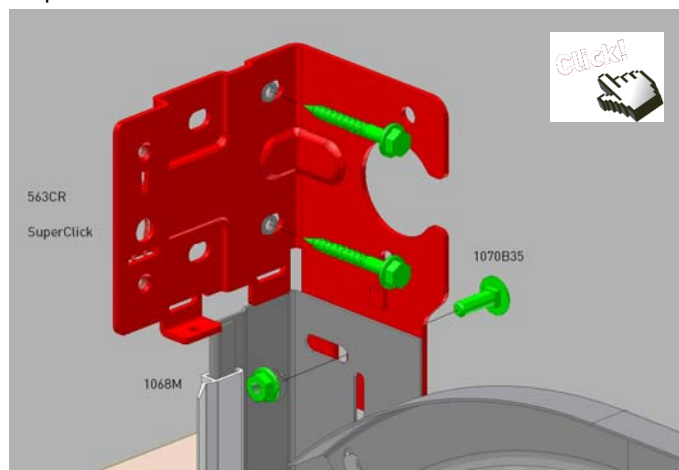




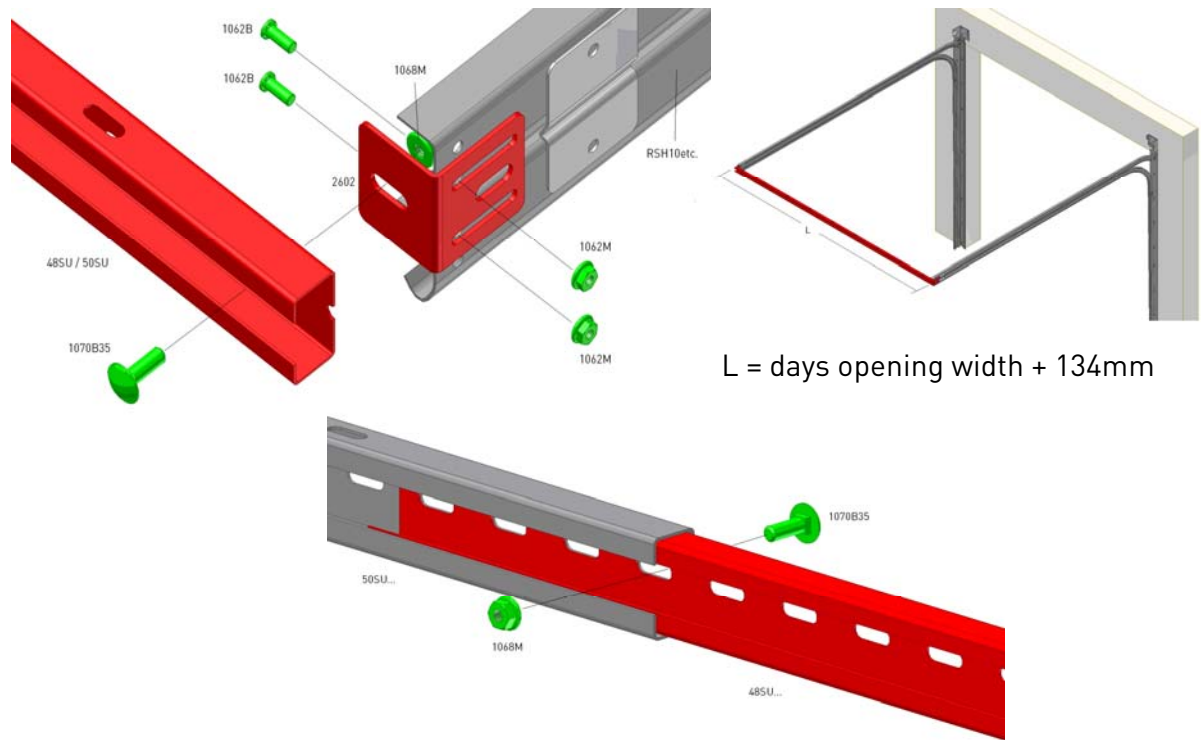
### Traditional installation



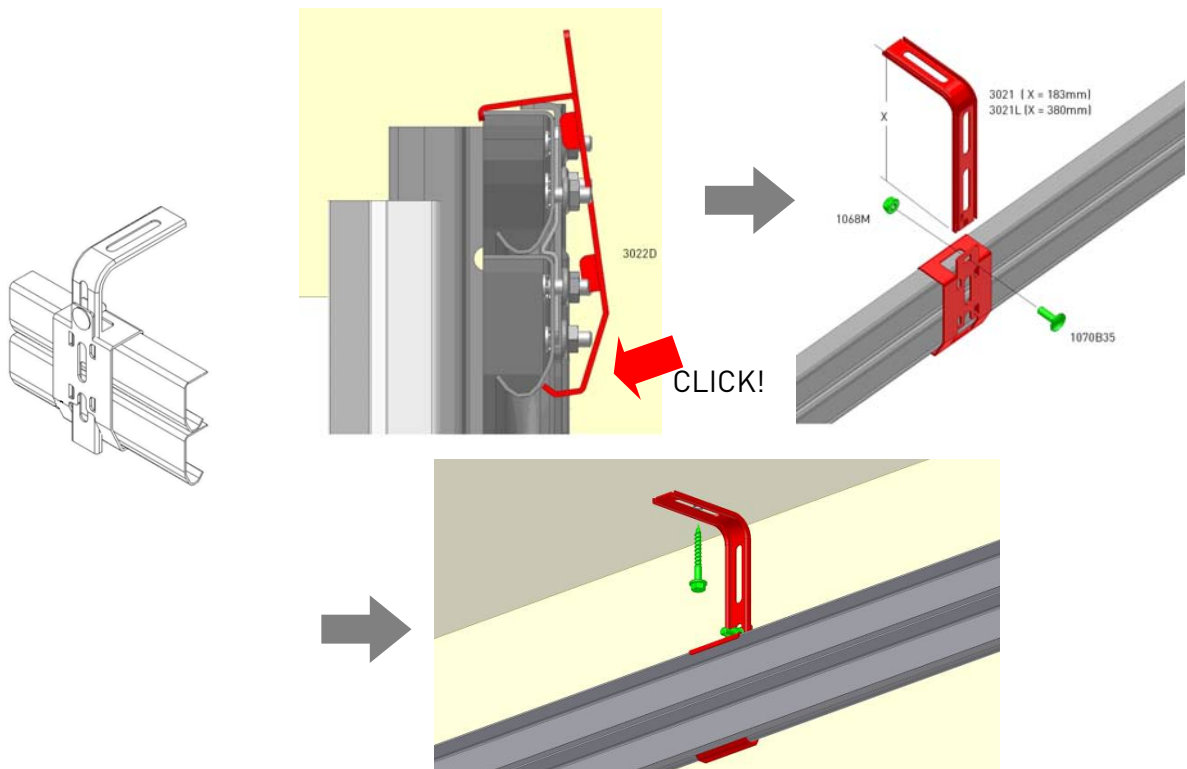
### SuperClick® installation



## CONNECTION HORIZONTAL TRACKS (OPTIONAL)



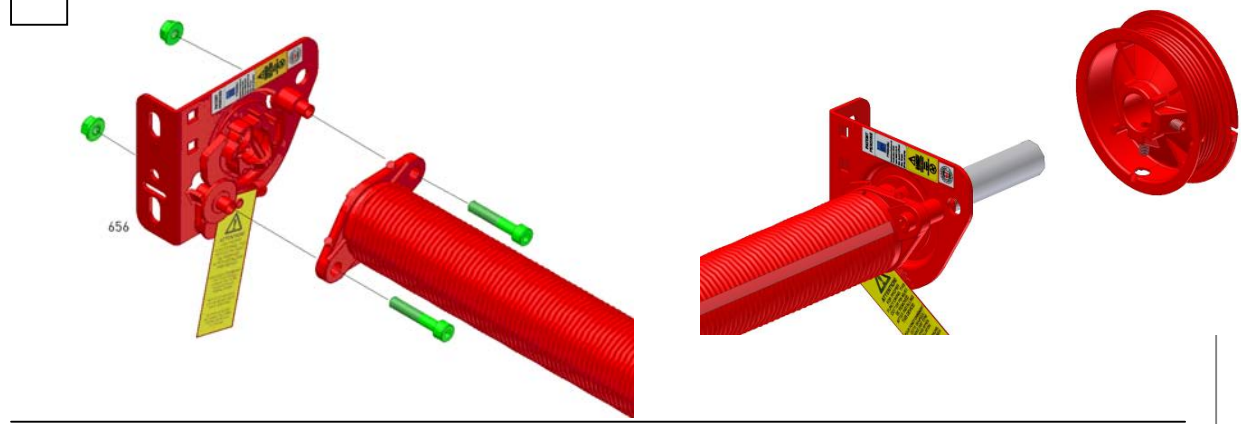
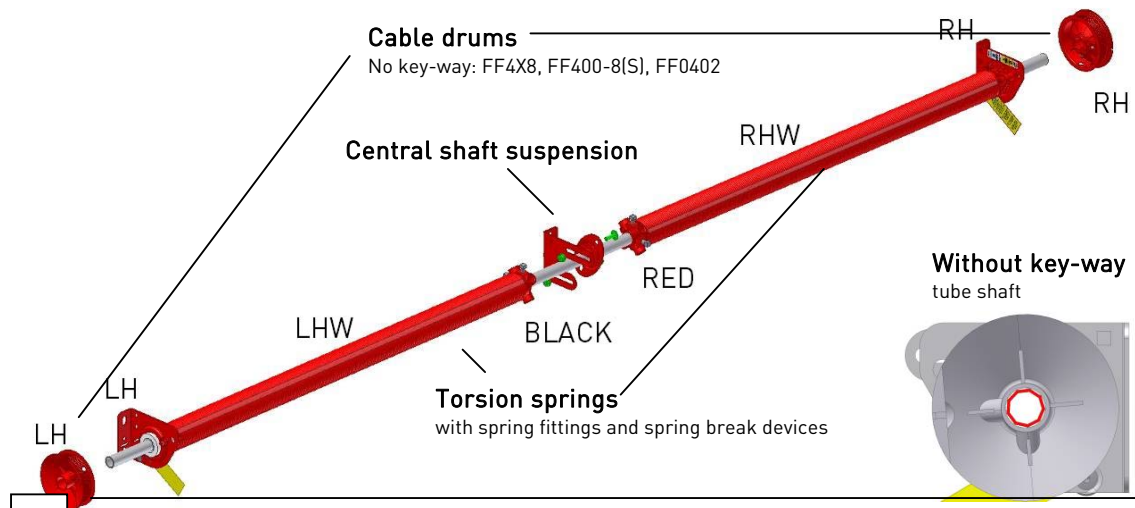
## SUSPENSION HORIZONTAL TRACK TO CEILING





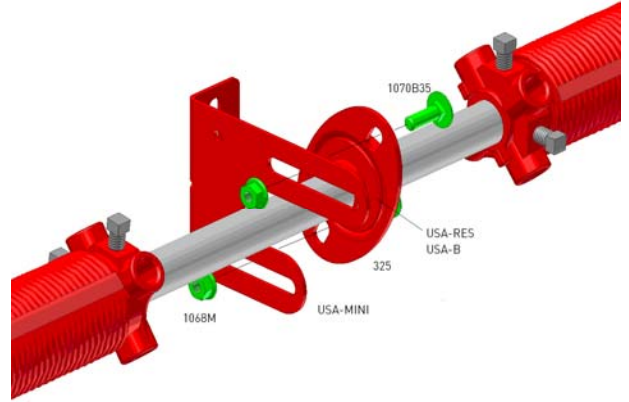
# SHAFT SYSTEM INSTALLATION

DOOR W<3000mm

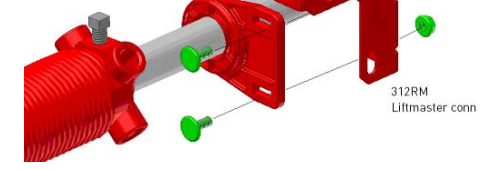


## CENTRAL SHAFT SUSPENSION (3 ALTERNATIVES)

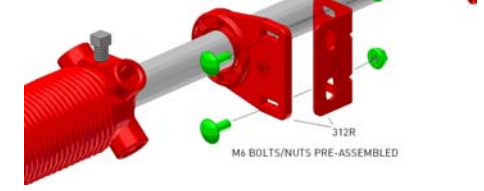
USA-MINI



312RM

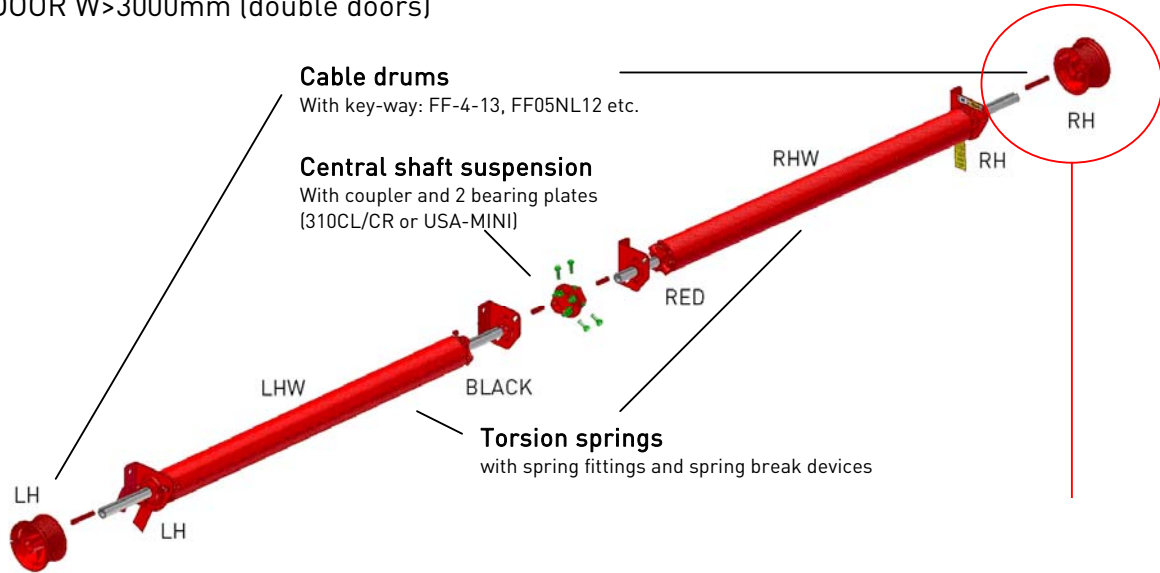


312R

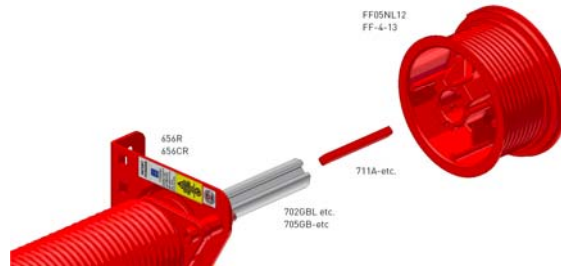


# SHAFT SYSTEM INSTALLATION

DOOR W>3000mm (double doors)



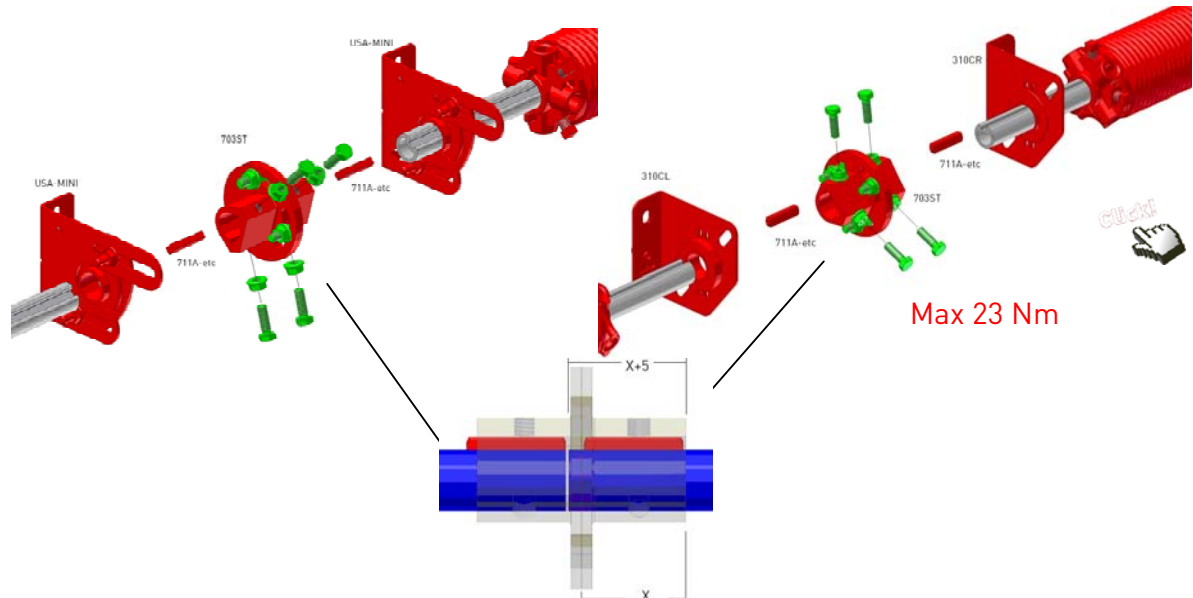
With key-way  
tube key-wayed shaft



## CENTRAL SHAFT SUSPENSION (W>3000mm)

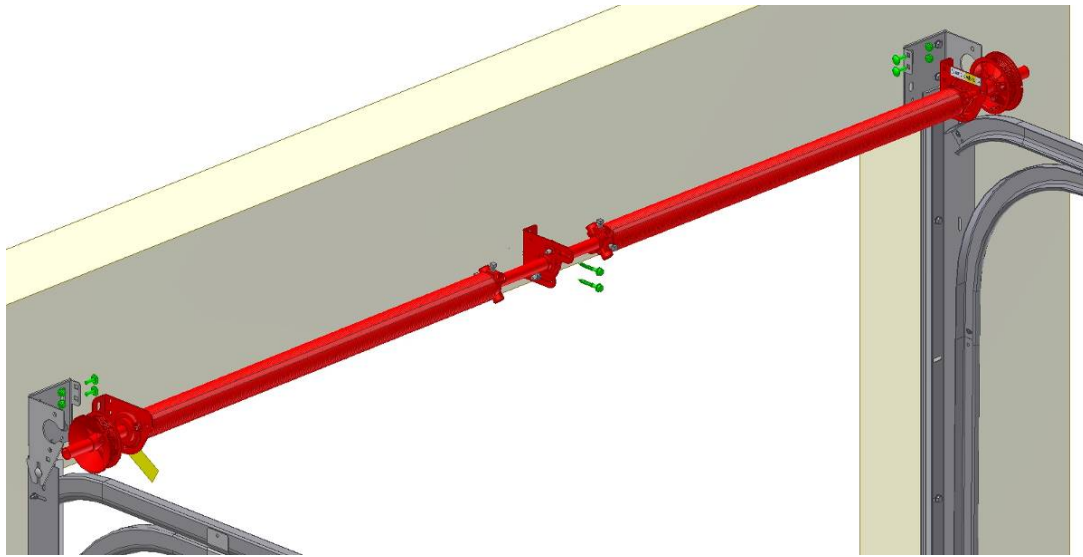
Traditional installation

SuperClick® installation



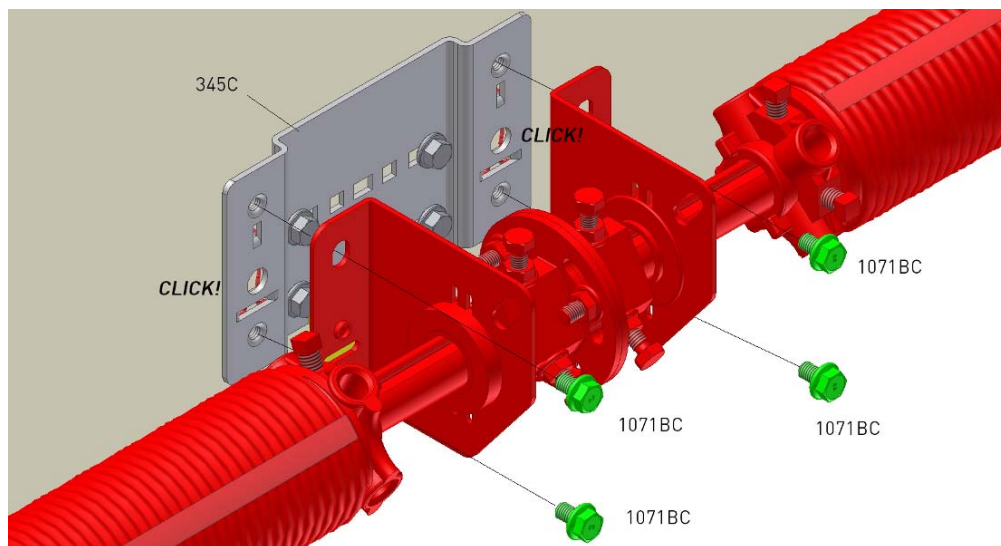
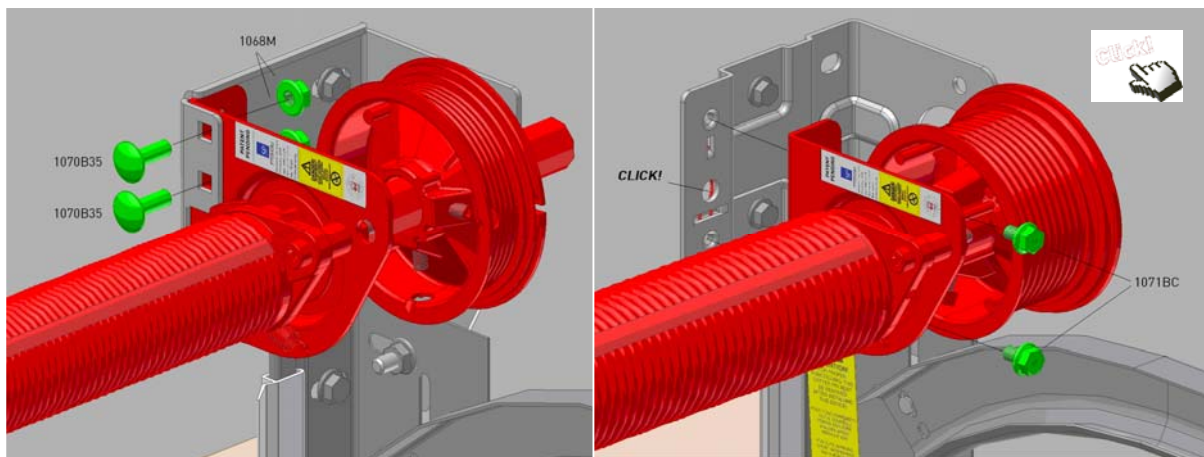


# FIXATION TO THE LINTEL

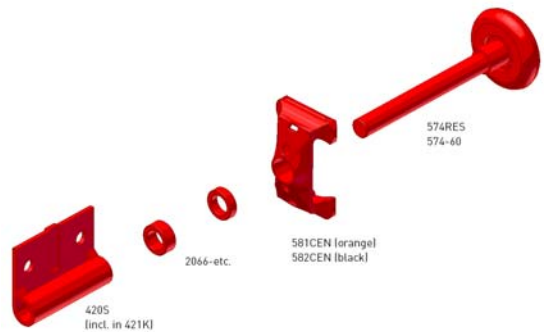
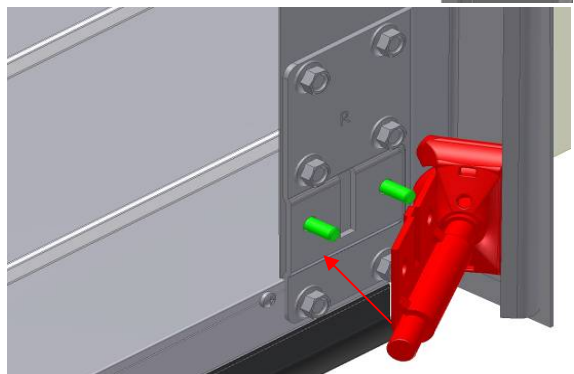
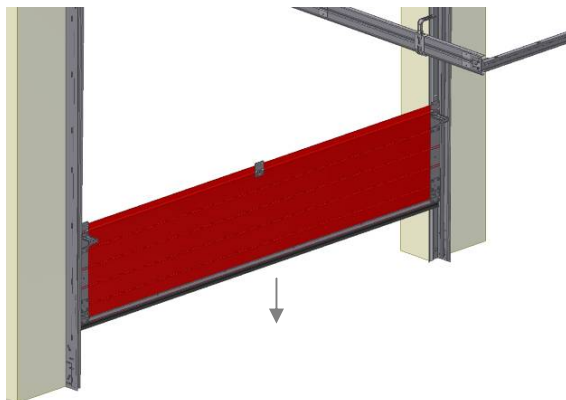
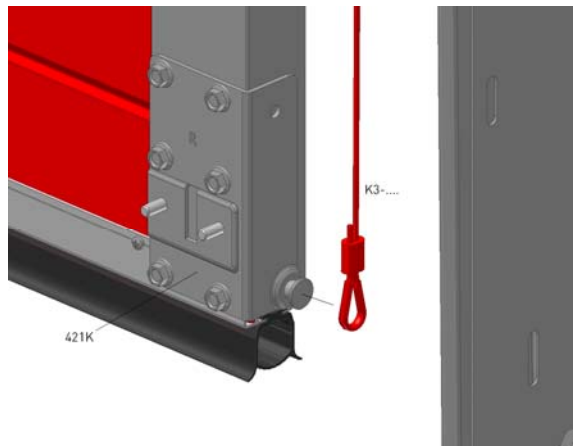
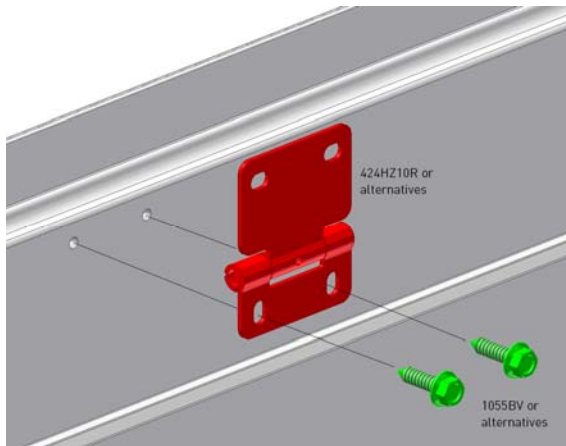
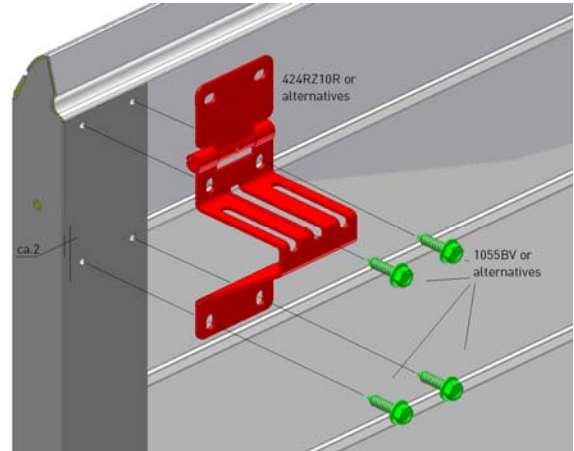
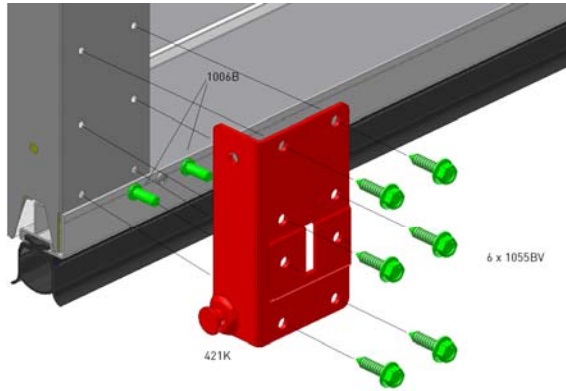


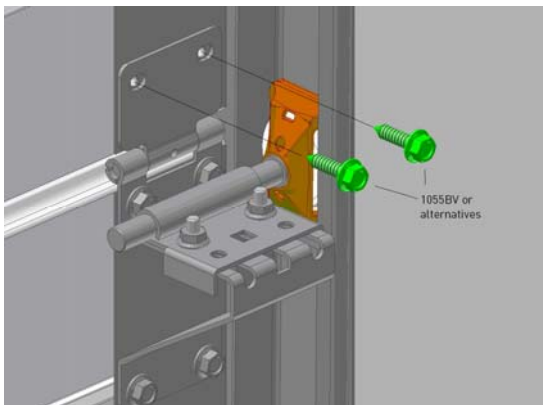
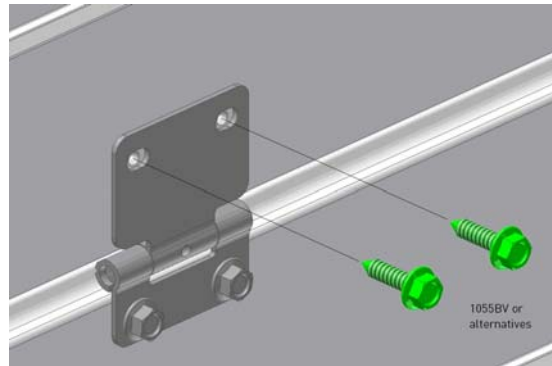
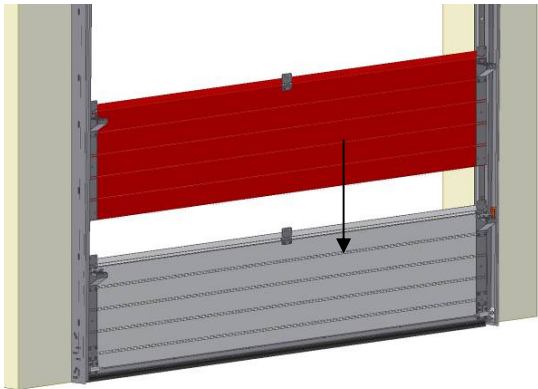
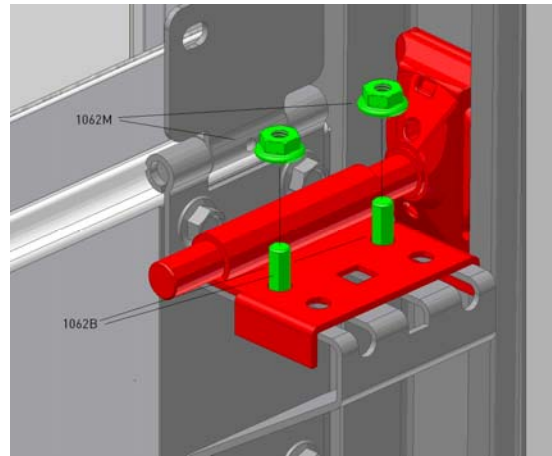
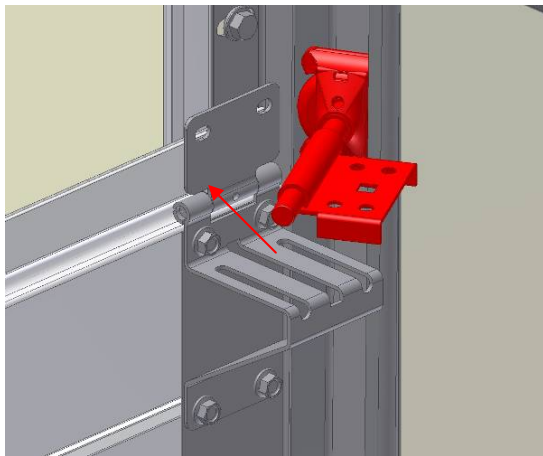
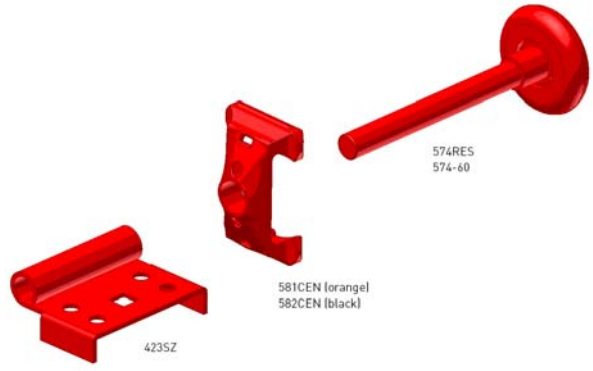
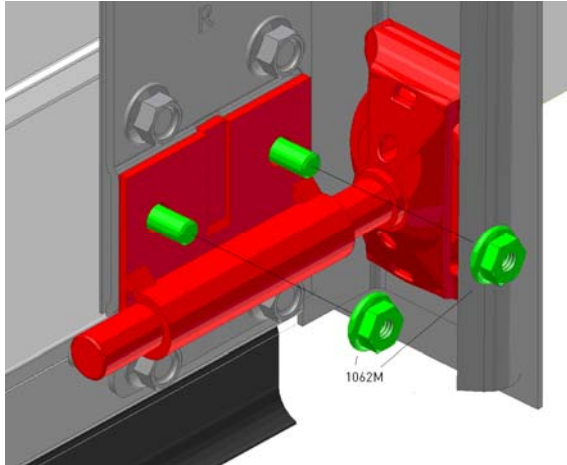
Traditional installation

SuperClick® installation

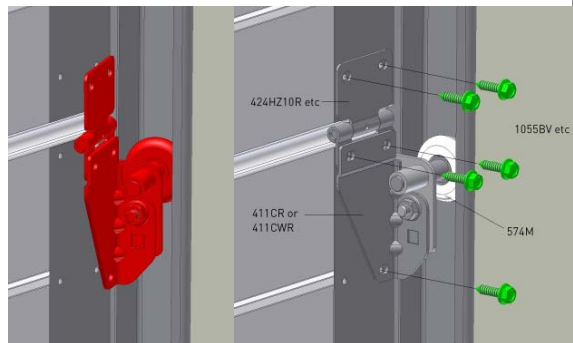


# PANEL <> HARDWARE INSTALLATION

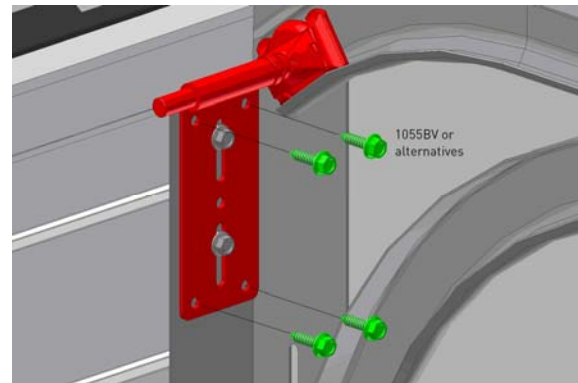
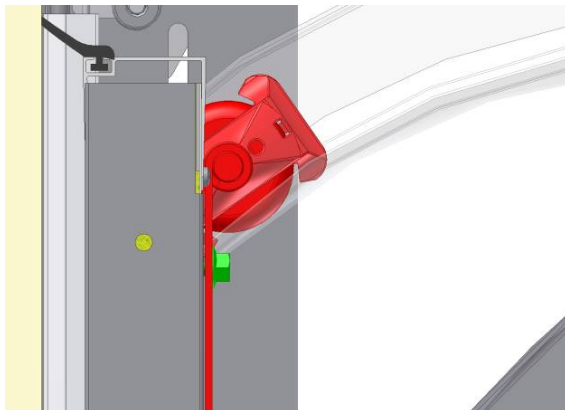
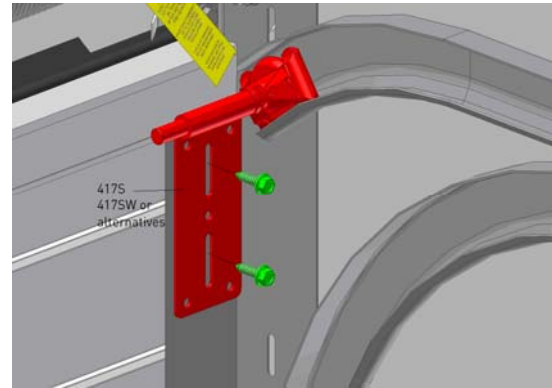
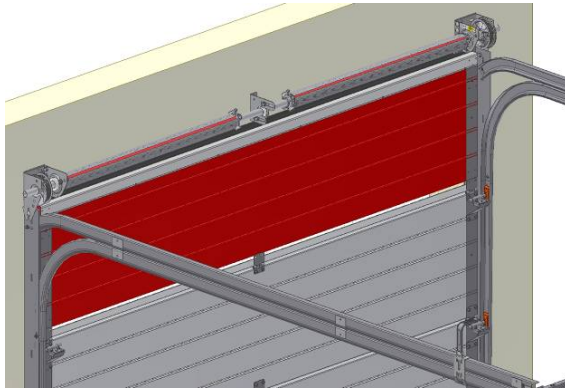




Alternative hinges: 411-series

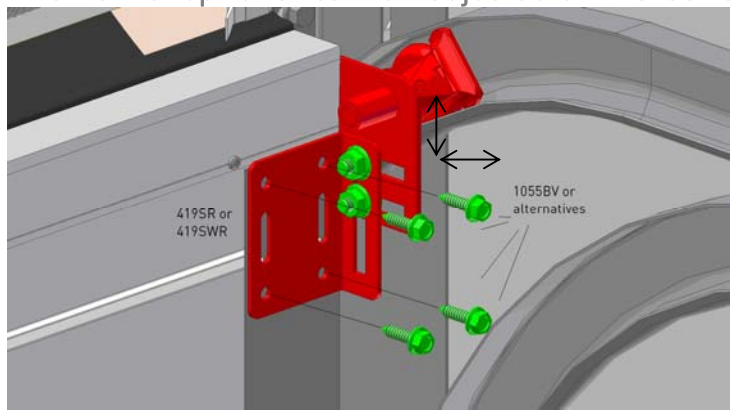


## INSTALLATION TOP PANEL / TOP ROLLER CARRIER



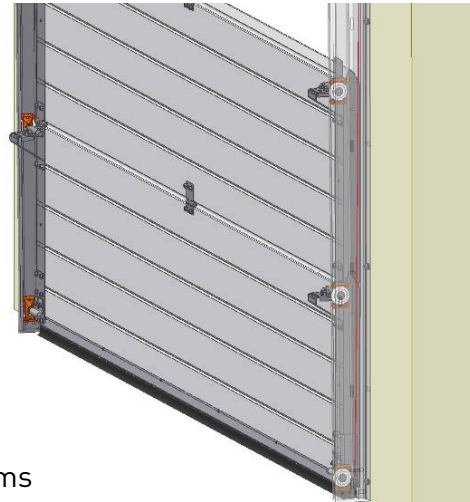
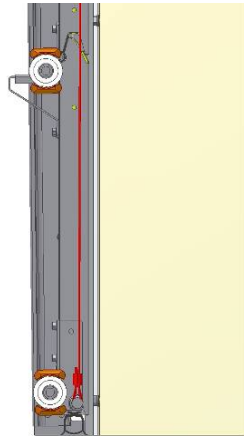
Close the door and secure the door panel. Loosen the two self-tapping screws (1055BV) securing the top roller holder (417S) so that it can be displaced with a slight tick. Press the top panel against the side (upper) seal and slide the top roller holder as far as possible downwards and fix all screws. (minimum play between door panel and seal). The bearing roller lies snugly in the rounding of the bearing tracks.

### Alternative top roller carrier: adjustable 419S-series

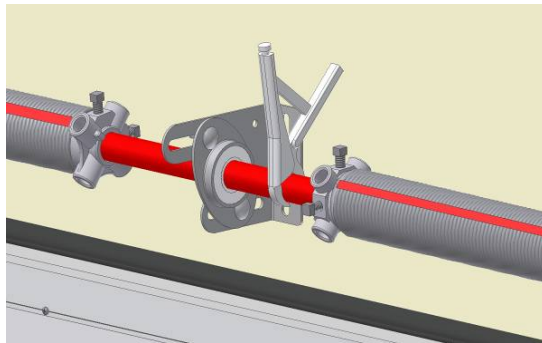




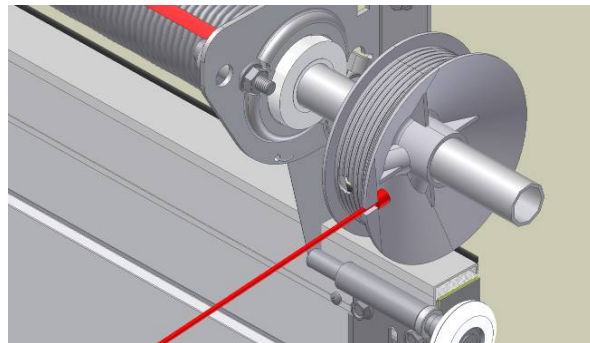
# CABLES & TORSION SPRINGS



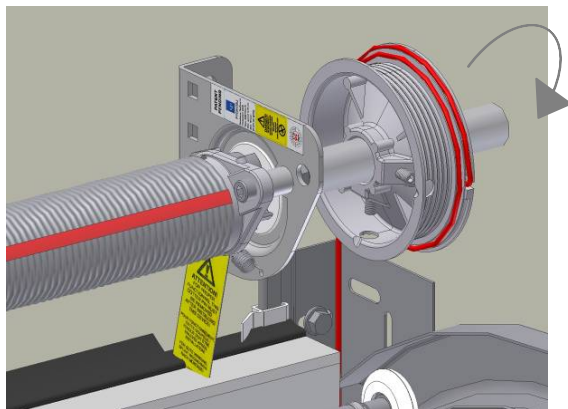
! Cable running behind the rollers to the cable drums



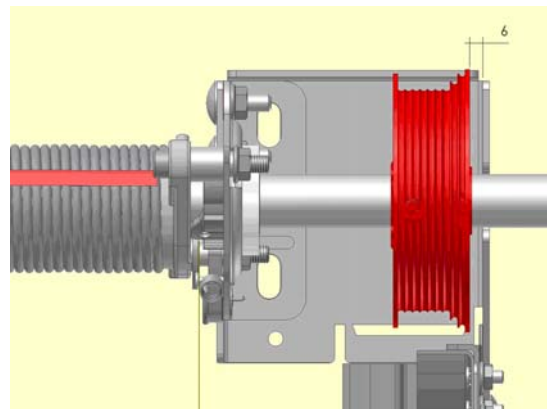
Without key-way: Fix shaft with clamp.



Hook the cable connection in the drum.



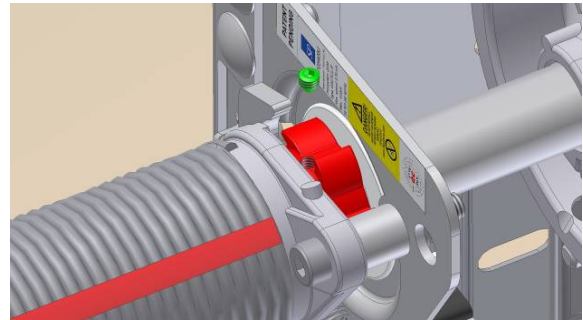
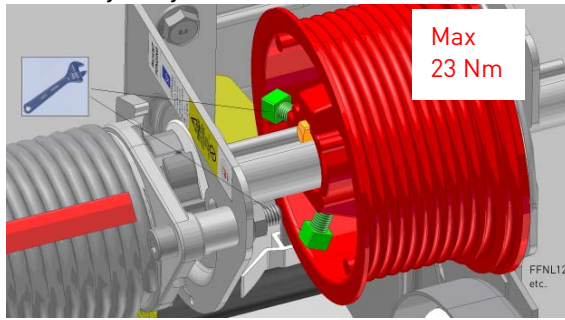
Rotate the drum for winding the cable.



Position drum on the shaft.



With key-way:



**NB! See separate manual spring break device installation: 656Manual GB.pdf**

## TORSION SPRING TENSIONING

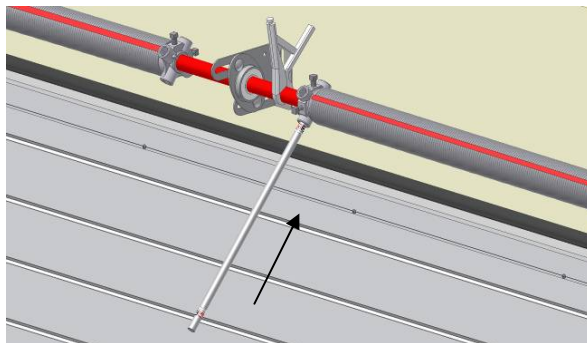
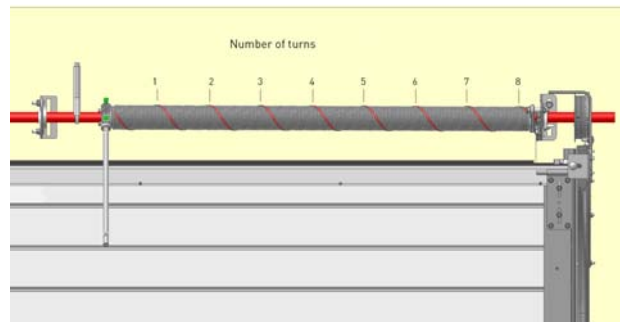


### CAUTION!

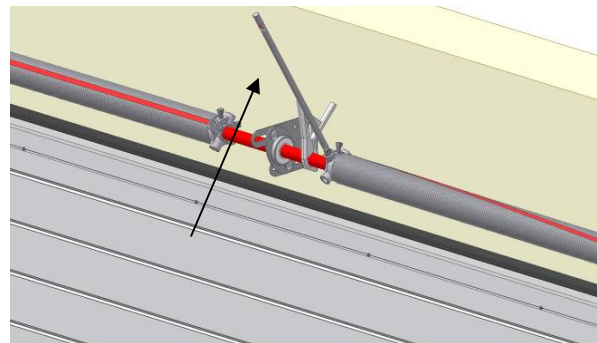
Torsion springs are subject to considerable tension! Proceed at all times with extreme caution. Installation, maintenance and repair should be carried out only by experienced and properly trained overhead door fitters. Use correctly fitting and properly maintained tension levers (FlexiForce code RES-TB).

### Number of turns on the torsion springs:

Height (H)	<b>4 panels</b>	<b>5 panels</b>	
	2000mm	7.1 turns	6.8 turns
	2125mm	7.6 turns	7.3 turns
	2250mm	8.0 turns	7.7 turns
	2375mm	8.4 turns	8.7 turns
2500mm	8.5 turns	9.2 turns	
2750mm	<b>5 panels</b>	<b>6 panels</b>	
	9,4 turns	9,2 turns	
	3000mm	10,3 turns	10,0 turns

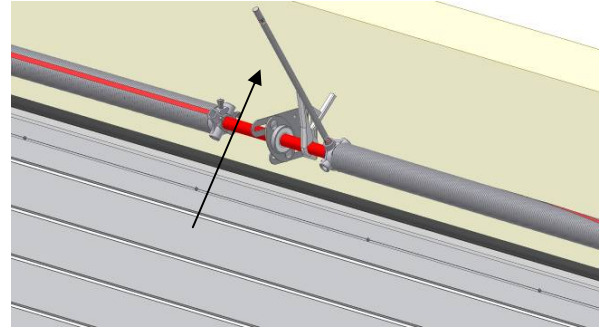
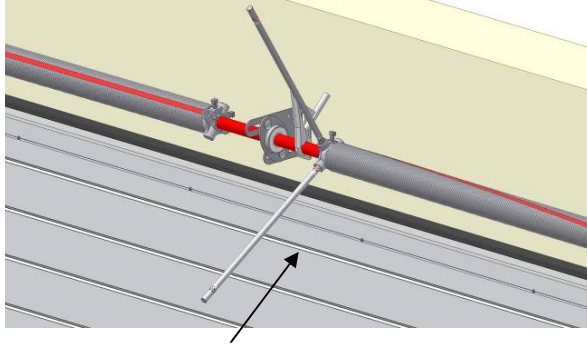


Insert the 1<sup>st</sup> tension lever completely into the slot.

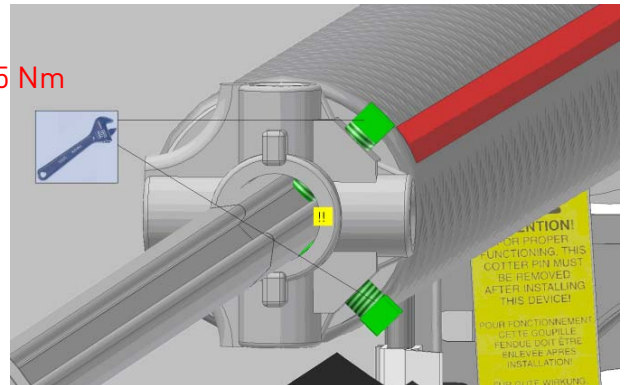
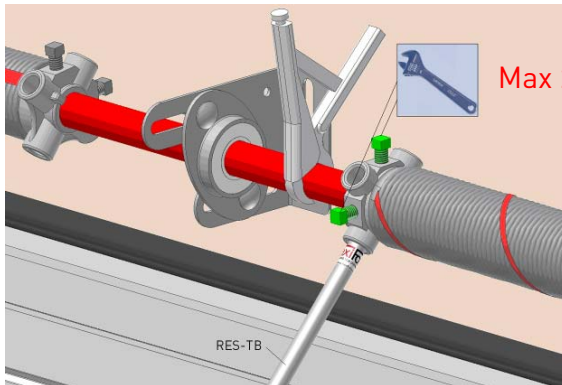


Turn the 1<sup>st</sup> tension lever a quarter turn such that the spring is tensioned.

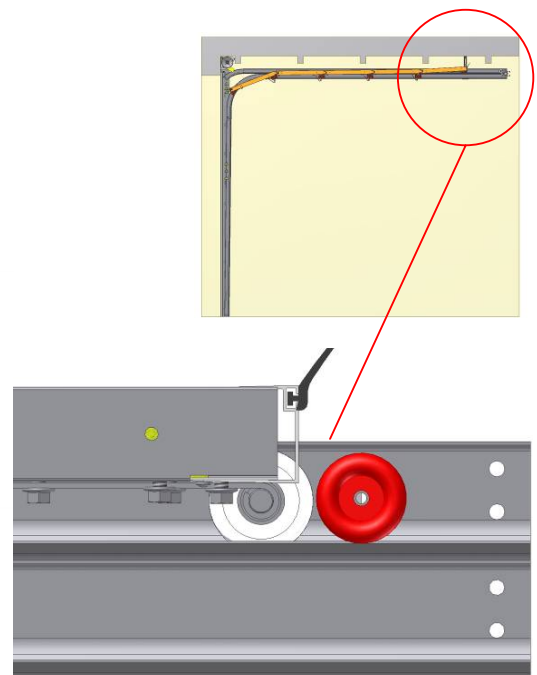
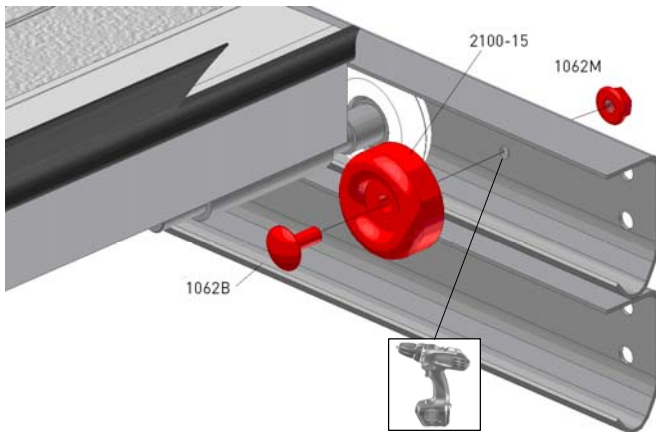




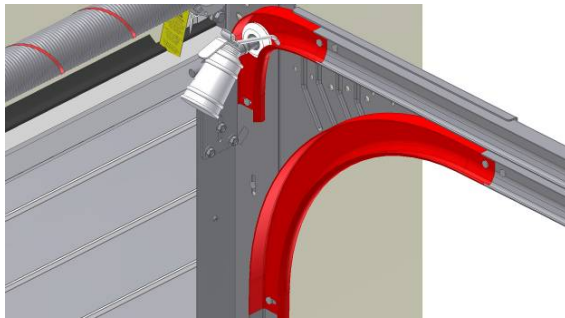
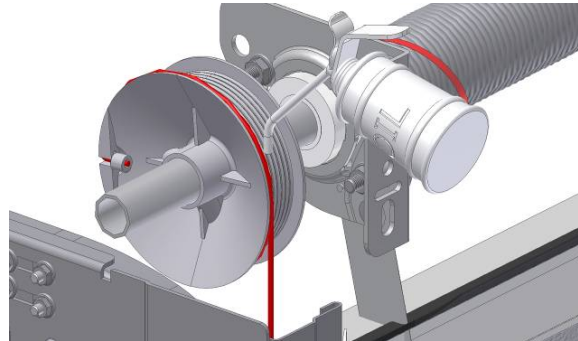
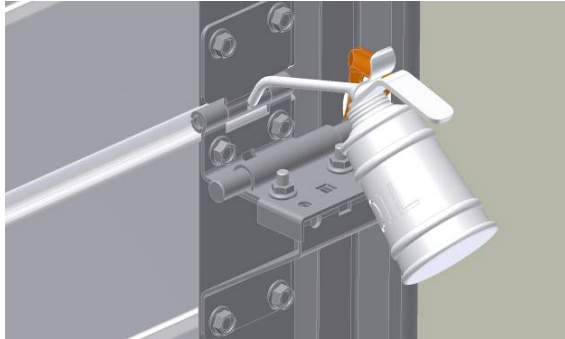
Insert the 2<sup>nd</sup> lever completely into the next slot. Take over the tension of the spring from the 1<sup>st</sup> tension lever to the 2<sup>nd</sup> tension lever. Remove the 1<sup>st</sup> tension lever from the slot. Turn the 1<sup>st</sup> tension lever a quarter turn such the spring is tensioned. Repeat until number of turns is achieved. Then fix the spring plug to the shaft. Check the door balance and adjust the springs if necessary (equally both springs!)



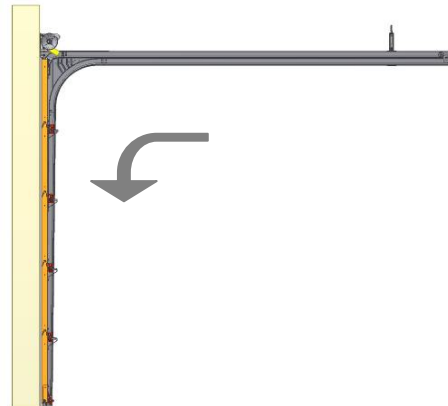
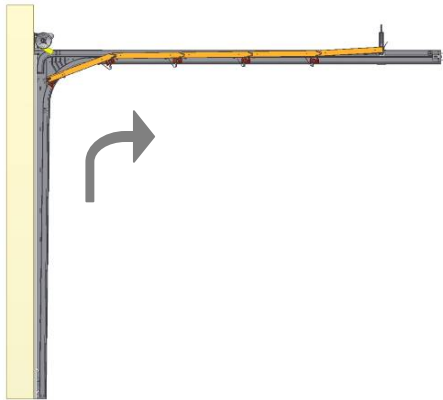
## FINISHING THE DOOR



## GREASING DOOR PARTS



## RE-ADJUSTING THE DOOR



Open and close the door for checking all the settings.

When the door panel is not hanging completely horizontally in the lifting cables in (almost) closed conditions there are several options for fine adjustment.

- A. Loosen the securing bolts of the cable drum and the drum relative to the tube shaft.
- B. When a coupling is employed this may be adjusted to ensure a better horizontal setting.

Horizontal movement of the door can be limited (to max. 5mm) by installing 2065 distance rings on the roller shafts.

