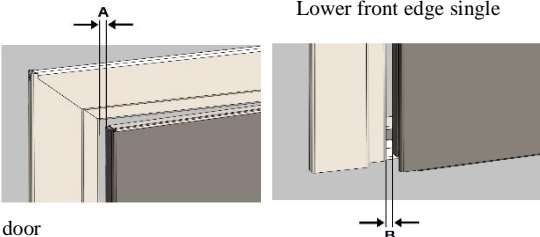
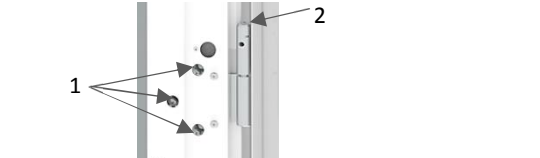
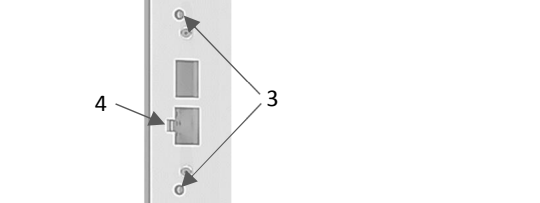


Installation instruction ó Single Door. Frame type A, B & C					NGSD											
<p>For doors labeled with SSF 1078 protection class 2, special regulations concerning hardware shall be met to obtain protection class 2. See separate installation instruction on our website. www.robust.se</p> <p>Assembly instructions are also available on our website: www.robust.se/downloads/monteringsanvisningar</p>		<p>Equipment for installation:</p> <ul style="list-style-type: none"> • Leveler • Drill diam. 8 mm (and 6mm, only for solid oak threshold) • Hexagonal key 12 mm (jacking screw) and hexagonal key 3 mm (hinges) • Caulking e.g. mineral wool (see pt.9) • Electric drill / screw driver • Screw and if necessary plug for wall mounting • Elastic sealant (e.g. Sikakryl ó HM/Sikakryl AT-Connection) 														
<p>Check the content of the delivery:</p> <ul style="list-style-type: none"> • Door leaf and frame according to the delivery notes. • Mounting kit containing frame insulation, mounting accessories and installation instruction. • Frame type A - three separate steel cover profiles covering the inside wall. See separate installation instruction. 		<table border="1"> <thead> <tr> <th colspan="2">Suggestions for fasteners</th> </tr> </thead> <tbody> <tr> <td>Concrete</td> <td>Adjufix PL TRT 860 60 (skrew + plug) Essve concrete screw 7,5x72</td> </tr> <tr> <td>Airbrick, lightweight concrete, Leca</td> <td>Skruv Spax TFT 6x90 + nylon plug 8x80. Ejofix/Essve Screw 8x L > 90</td> </tr> <tr> <td>Wood</td> <td>Adjufix-screw TRT 665, Screw Spax TFT 6x90.</td> </tr> <tr> <td>Metal profile high strength steel</td> <td>Adjufix Self drilling screw 5,4x50 (max thickness 2,5 mm)</td> </tr> <tr> <td>Stålbalk</td> <td>TAPTITE MFT-TT 6x40</td> </tr> </tbody> </table>			Suggestions for fasteners		Concrete	Adjufix PL TRT 860 60 (skrew + plug) Essve concrete screw 7,5x72	Airbrick, lightweight concrete, Leca	Skruv Spax TFT 6x90 + nylon plug 8x80. Ejofix/Essve Screw 8x L > 90	Wood	Adjufix-screw TRT 665, Screw Spax TFT 6x90.	Metal profile high strength steel	Adjufix Self drilling screw 5,4x50 (max thickness 2,5 mm)	Stålbalk	TAPTITE MFT-TT 6x40
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<p>Mounting accessories:</p> <ul style="list-style-type: none"> • Standard - 1 bag with 26 plastic plugs • Additional - 1 bag with 14 plastic plugs for wide / high single doors and double doors. 		<p>Manufacturing assurance</p> <ul style="list-style-type: none"> • If the door has a Type Approval label Robust Ståldörrar AB testify that it is manufactured according to this Approval and the drawings and other documentation to which it refers. If alterations are made to the doorset, Robust Ståldörrar AB cannot ensure the declared performance and properties. 														
<p>Mounting: Note. The wall construction must withstand mounting of doors. If the wall are inferior the door function will be impaired.</p>																
1.	Check the wall opening in relation to the required sizes of the door set. For frames prepared with electric strike, the wall opening may need to be modified. See separate installation instruction electric strike plate on our website.	If the wall opening exceeds the specified tolerances it should be adjusted without compromising fire, smoke or sound reduction characteristics.														
<p>F.O.D = frame outer dimension. (at the back of the frame)</p>		<p>Tolerance wall opening: MB + 20 / 0 & MH + 10 / 0</p>	<p>F.O.D Width (MB): MB - 10 (mm)</p>	<p>F.O.D Height (MH): MH - 10 (mm)</p>	<p>F.O.D Width including jacking screw = MB - 6 (mm)</p>											
2.	Unhook the door leaf / door leaves from the frame.															
3.	In case of delivered uninsulated frame, the frame must be insulated with stone wool supplied according to instruction 815-9106-0-01, before the frame is mounted in the wall.															
4.	<p>4.1 Check the floor surface, it must be horizontal and free from dirt and unevenness Check the floor surface, it must be horizontal and free from dirt and unevenness</p> <p>4.2 Place the frame in the wall opening and center it. Ensure the frame is positioned vertically and horizontally in correct position.(cross-measurement)</p> <p>4.3 Rotate the jacking screws carefully with the hexagonal key (12 mm). Avoid tightening the jacking screws too tightly. The frame can then arch.</p> <p>4.4 Ensure that the frame is positioned vertically and horizontally in correct position. Start with the upper (1) and lower (3) attachments on the hinge side. Fasten the frame with fasteners appropriate for the current wall type. Continue with the (2), (4) and then the other attachment points on the hinge side. For heavier doors it is also recommended to attach the frame to the points (5) and (6)</p> <p>4.5 The frame has double jacking screws to provide more flexibility for mounting. The most vital attachment points are the hinges and the locks. We recommend using at least two jacking screws at the hinges. The attachment points at (1) and (3) and also the attachment points at (2) and (4). It is not a requirement for classification, but the adjustment is facilitated by more screws</p> <p>4.6 If the wall opening isn't perpendicular to the wall, you can use the fixing points (2) & (4) to twist the frame slightly, which facilitates parallelity between the lock and hinge side.</p> <p>4.7 The tilt of the door leaf can be adjusted slightly if the attachment points (5) and (6) are used. (cannot be performed after the frame is attached to the wall with elastic sealant)</p>															

<p>5.</p>	<p>5.1 Place the door leaf in the frame. 5.2 Check the function of the door and the gap between the frame and door leaf. The gap between the door leaf and frame lock side and hinge side 4 +/- 1 mm and between the top of the door leaf and the frame header 2 +/- 1.</p>	<p>6.1 Uper front edge single door</p>  <p>Lower front edge single</p> <p>door</p>
<p>6.</p>	<p>6.1 Make sure the gap between the front edge of the door leaf and the lock side is equal to the upper and lower edges. 6.2 Drill and mount the upper and lower attachment points on the lock side. Choose in firsthand attachment points that are hidden when door is closed. Check that the front edge of the door leaf and the frame lock side still are parallel. 6.3 Continue with the middle attachment points. At the lock side, only one jacking screw per plate is required. However, in order to facilitate the adjustment of the frame and to increase burglary protection, we recommend that the two rear jacking screws at the main lock are also used. However, this is not a requirement for the security classification but a recommendation. 6.4 Check the door frame by control measuring the clear opening. Adjust the jacking screws if needed. Make sure that the frame don't arch. 6.5 Check the function of the door and the gaps between the frame and door leaf, gap width 4 +/- 1 mm at the lock side, hinge side and frame header.</p>	
<p>7.</p>	<p>7.1 Door leaf lateral position can be adjusted slightly by means of the attachment points of the hinges, see (4.6). 7.2 The elevation of the door leaf can be adjusted with the screws in the hinges (2). Ensure that all adjustment screws (2) are resting on the frame hinge pins. Adjustment can be done using an allen key (3 mm)</p>	
<p>8.</p>	<p>Threshold: All threshold models require flat surfaces throughout the threshold width.</p>	
<p>8.1</p>	<p>Threshold: Does not require fixing to floors with screws as standard. Attachment to floors may be done if needed.</p>	<p>If the door is mounted in exterior façade. Make sure to seal gaps to prevent water passage. We recommend drip protection on the top of the frame if the door is used as exterior door and installed in line to the facade.</p>
<p>9.</p>	<p>Caulk between frame and wall with insulation that meets fire class A1 or A2, this is a prerequisite for fulfilling the door fire rating</p>	<p>If the clearance between the wall and frame is large, it may need a cover strip of steel.</p>
<p>10.</p>	<p>For frame type A, wall frame extension, install this when caulking between wall and frame. Cut a slit parallel to the frame where the wall cover is to be placed, deep enough to be able to mount the wall frame extension.</p>	<p>See separate installation instruction. Frame type A = frame type B + wall frame extension.</p>
<p>11.</p>	<p>Install the supplied plastic cover over the holes in the frame.</p>	
<p>13.</p>	<p>Adjustment of strike plate: 13.1 For security door; tighten the security screws towards the wall to secure from leverage (3). 13.2 Check that the latch moves freely in the cut out. Adjust the door leaf vertically for best locking engagement. 13.3 The steel lip can easily be adjusted with a screwdriver or similar tool to adjust the door leaf in depth (4).</p>	
<p>14.</p>	<p>After the door leaf and frame are mounted and adjusted; Check that the door opens and closes properly and that the sealing strips are intact and free from damage. Lubricate the lock pistons exterior with grease intended for the purpose. See Care and Maintenance Instructions (815-9100-0-01)</p>	
<p>15.</p>	<p>Sealed as below to meet requirements:</p> <p>15.1 Fire-rated door / Fire-rated door with smoke control requirements / Fire-rated door with sound reduction requirements: The frame is sealed between the frame, wall and floor (4 sides) on the inside or outside frame, with elastic sealant. Towards the threshold, jointing can be done with external joint or with joint under the threshold. For exterior door, the frame is sealed on both in- and outside with fire-grade elastic sealant adapted for outdoor and indoor climate (Sikakryl AT-Connection or equivalent)</p> <p>15.2 Door without fire-rated demands: The frame is sealed between the frame, wall and floor (4 sides) on the inside or outside frame, with elastic sealant. Towards the threshold, jointing can be done with external joint or with joint under the threshold. Towards threshold, jointing can be done with external joint or with joint under the threshold. For exterior door, the frame is attached to both the inside and the outside with elastic sealant adapted for both outdoor and indoor climate.</p>	
<p>16.</p>	<p>Installation Quality; Ensure that the checklist (815-9105-0-01) for approved assembly is completed, signed and filed.</p>	