

How Release Unit D30 works



Release Unit D30 Bar T1 - 0.0.658.84

Release Unit D30 Spring-loaded Reset Device - 0.0.660.46

Release Unit D30 Actuator Roller D40-60 side contact - 0.0.658.97

Release Unit D30 Actuator Ramp 120-61 - 0.0.659.55

Release Unit D30 Actuator Ramp 120-38 - 0.0.658.88

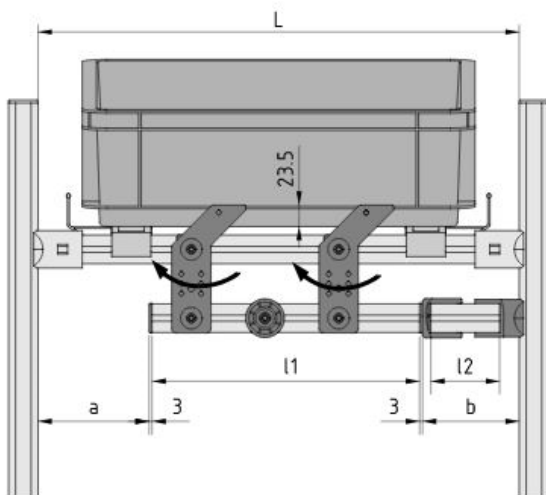


Stable Bars hold the load in place (e.g. transport boxes). When the shooter pulls alongside, its Actuator Roller rolls up and over the Ramp on the workstation. The Actuator Roller is fixed to a spring-mounted strut - the roller strut - that follows the contour of the Ramp and is thus pushed up and to the side. This causes the Bars that are fastened to both the roller strut and the upper profile to pivot to the side, thereby ensuring that the load is only released when the roller conveyor is correctly aligned.



When the shooter approaches, the Roller strut moves closer to the roller conveyor as the Ramp pushes it up and to the side. This movement forces the Bars to pivot to the side. When the shooter is moved away, the pressure on the ball-bearing mounted Actuator Roller drops and the Spring-loaded Reset Device pulls the roller strut back down to the starting position.

The Bars can be installed so that they open to the right or left as appropriate to the transport rack's direction of travel.



L: Total clearance

a: Recommended minimum clearance = 113 mm

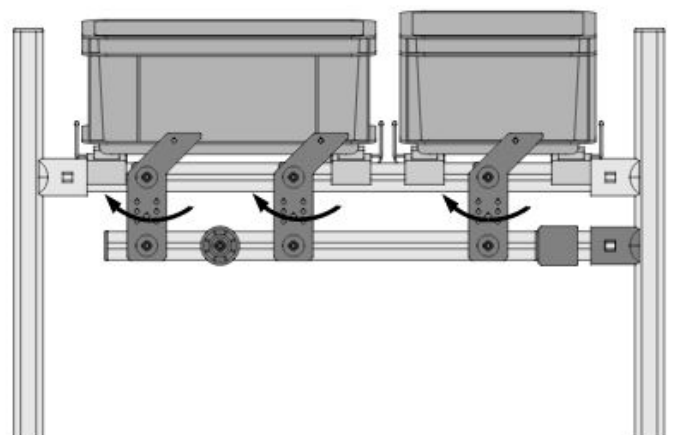
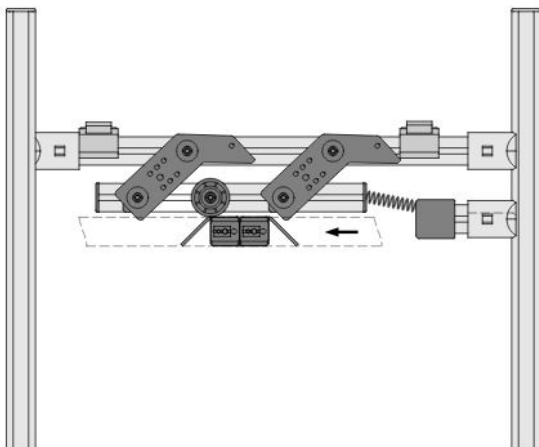
b: min. 91 mm

$l1 = L - a - b - 6 \text{ mm}$ (Profile 6 D30 for the Roller strut)

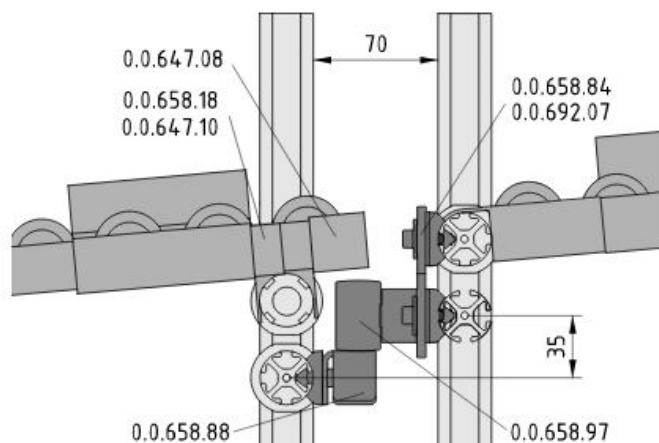
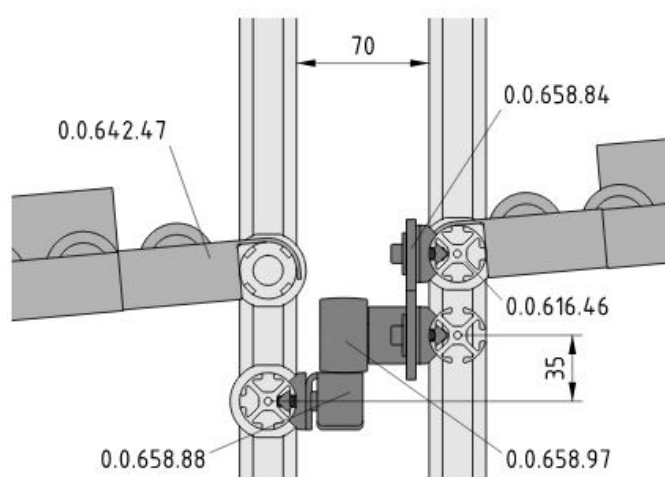
$l2 = b - 28.5 \text{ mm}$ (Profile 6 D30 for the stop)

A Release Unit D30 Actuator Roller operates at least two Bars at once and can operate more, if necessary. Depending on the width of the load, a second roller conveyor can be secured simply by adding an additional Bar.

The shooter is released when the Actuator Roller runs over the Actuator Ramp.



The Release Unit can perform the same function even on protruding roller conveyors.



Note:

Profile 6 D30 (0.0.616.46) must be used to fasten the Bar and the Actuator Ramp.

0.0.616.46

