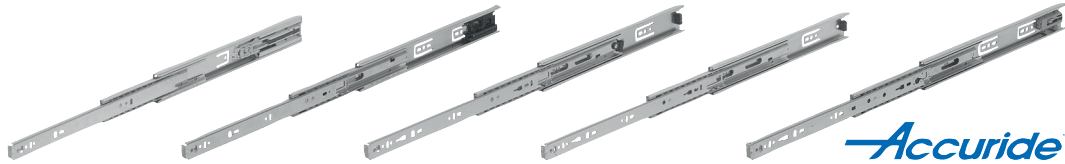


Technical information for telescopic slides

Norelem offers you a wide range of heavy-duty telescopic slides with load capacities from 10 kg to 270 kg, which, thanks to their elegant and professional appearance, can be reliably used in a broad range of industries such as machine and plant construction, transport technology, retail and automotive technology and many more. Due to the versatile application possibilities, the telescopic slide product range offers a large selection of lengths, high-quality materials, a wide variety of installation options and configuration variants. The high quality of our telescopic slides ensures low-maintenance with smooth and almost noiseless linear movement.



Material

| Material | Rails | Ball cages | Balls |
|-----------------|---------------------------|---------------------------|------------------------|
| Steel | Steel electro zinc-plated | Steel electro zinc-plated | Hardened steel |
| Stainless steel | Stainless steel 1.4301 | Stainless steel 1.4301 | Stainless steel 1.4034 |
| Aluminium | 6000 series aluminium | Stainless steel 1.4301 | Stainless steel 1.4034 |

Configuration variants

Soft-Close: The telescopic slides are cushioned during closing, slowed down and moved automatically to the end position.

Self-retraction: When closing, the telescopic slides move automatically to the end position.

Push to open: When slight pressure is applied, the telescopic slides move out by themselves, almost silently.

Latches when open: The telescopic slides engage when fully extended and hold the position.

Latches when closed: The telescopic slides latch and hold when in the idle and closed position.

Release lever (21335-25): The telescopic slide latches in open and closed positions. The latch can only be released by actuating the release lever.

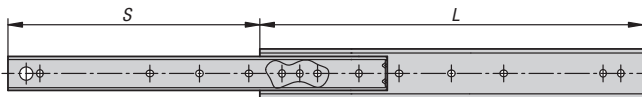
Quick frontal release: Telescopic slides with a quick frontal release can be completely separated by operating the lever. The separation enables repairs and maintenance work on the rails without having to remove them completely.

Angle bracket: The bracket is used for optimum side, floor or platform mounting.

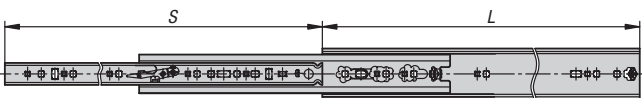
Pull-out

There are three pull-out versions to choose from for the telescopic slides. These differ in their travel (S), which is expressed in relation to the length (L).

Partial extension: Length > Travel



Full extension: Length ≈ Travel



Over extension: Length < Travel



Load ranges

Light (up to 50 kg): Slides for light loads such as kitchen cabinets, bathroom cabinets and commercial applications.

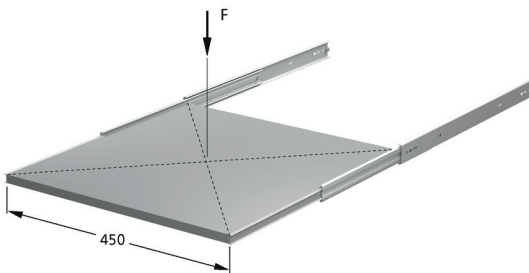
Medium (51 kg to 99 kg): Slides for medium loads such as conveyance technology, retail equipment, automotive technology and cash coin storage.

Heavy (over 100 kg): Slides for heavy loads such as machinery, rescue vehicles and transport technology.

Load capacity

The specified load capacity always refers to a pair of slides installed vertically by 10,000 or 80,000 cycles (1 cycle = a 1x in and out movement).

The load capacities were determined with the load (F) resting centrally and a slide spacing of 450 mm.



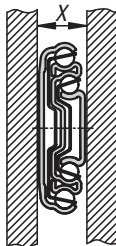
For a wider slide spacing, each user must determine whether the slides are suitable for the particular application.

Different materials onto which the slides are fastened and the type of fasteners, weather conditions and wear can also influence the determined values.

For rails designed for flat mounting, the load capacity is only 25% of the specified values.

Installation

To ensure that the slides run optimally under light tensile load, the installation width should be 0.2 mm to 0.5 mm wider than the specified slide width. After the slides have been mounted, they should run smoothly, be checked for correct function and aligned if necessary. To eliminate any interfering factors, the installation width, parallelism and angular accuracy should be checked.



Installation width $X = \text{Slide width} + 0.2/+0.5 \text{ mm}$