

# Technical information for telescopic slides



## Structure:

Telescopic slides consist of two or more ball-bearing supported guide rails mounted into each other that can be pulled out like a telescope.

The load rating of a telescopic slide is determined by the following factors:

- Rail length
- Stroke length
- Number of cycles
- Material
- Installation
- System assembly

The load bearing capacity per pair given in the catalogue indicates the maximum load rating of a vertically mounted slide pair when the entire extension length is used.

It assumes that all designated fastening positions are used with the suitable fastening element and must be proven within the project under the intended effective conditions of use.

## Extension types:

Partial extension:

Stroke (extension distance) approx.

70-80% of slide length

Full extension:

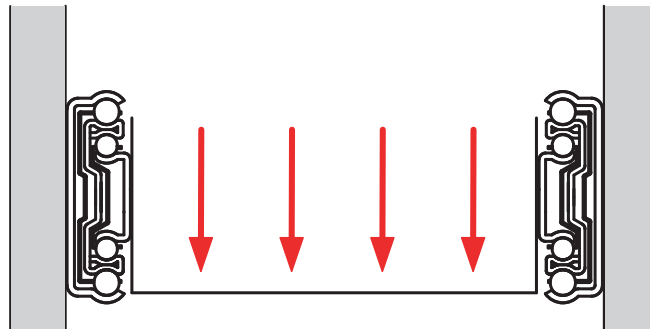
Stroke (extension distance)  
100% of slide length

Over-extension:

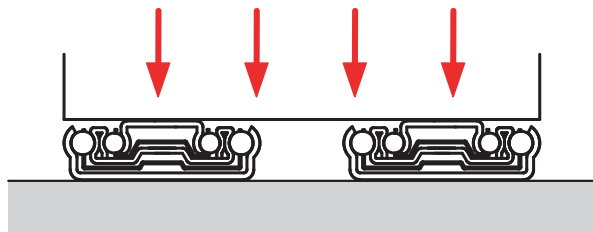
Stroke (extension distance)  
>100% of slide length

## Temperature range:

- Application temperature  
+10°C to +40°C
- Storage and transport temperature  
-20°C to +80°C  
(with K0541 to +60°C)



Vertically mounted telescopic slides are distinguished by super-imposed ball tracks. This special design makes them extraordinarily torsion resistant and increases the service life and the carrying capacity of the guides significantly.



Horizontal installation of the telescopic slides is partly possible as well. The load values are approx. 50-60% less than for vertically mounted guides.

## Possible features of telescopic slides:

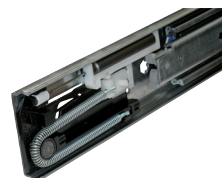
Interlocking device:

The interlocking device fixes the guide in a closed position.



Retraction damping:

The movement is caught with damping during closure and the telescopic slide moves automatically into the end position.



In addition, a defined force must be overcome for opening, which prevents unintentional opening.

Self-retraction:

During retraction, the guide is pulled in completely by a spring mechanism 25 mm before reaching the endpoint.



Is also defined as automatic retraction. The retraction force of the self-retraction can be modified by attaching a spring.

Separable inside rail:

A separable inside rail allows detachment of the inner rail profile. This allows the moving element to be fully removed from the guide.

