

TELESCOPIC RAIL: BEARINGS THAT MOVE OUTSIDE THE BOX

ROLLON's TELESCOPIC RAIL products are so different from existing drawer slides that we hesitate to call them by that name. The idea behind TELESCOPIC RAILS was to create a linear bearing that telescoped beyond its mounting structure. Our engineers had to think outside the box to do this since this sort of product really didn't exist.

Before ROLLON attacked the problem, drawer slides were simple, bent steel products suited for desk drawers, filing cabinets, keyboard trays and other light duty applications. In fields where high load capacities, reliability, low deflection, and smoothness of movement are important for a drawer slide-type extension, there has never really been a solution. Engineers were forced to use homemade solutions or to double up on thicker gauge bent steel drawer slides.

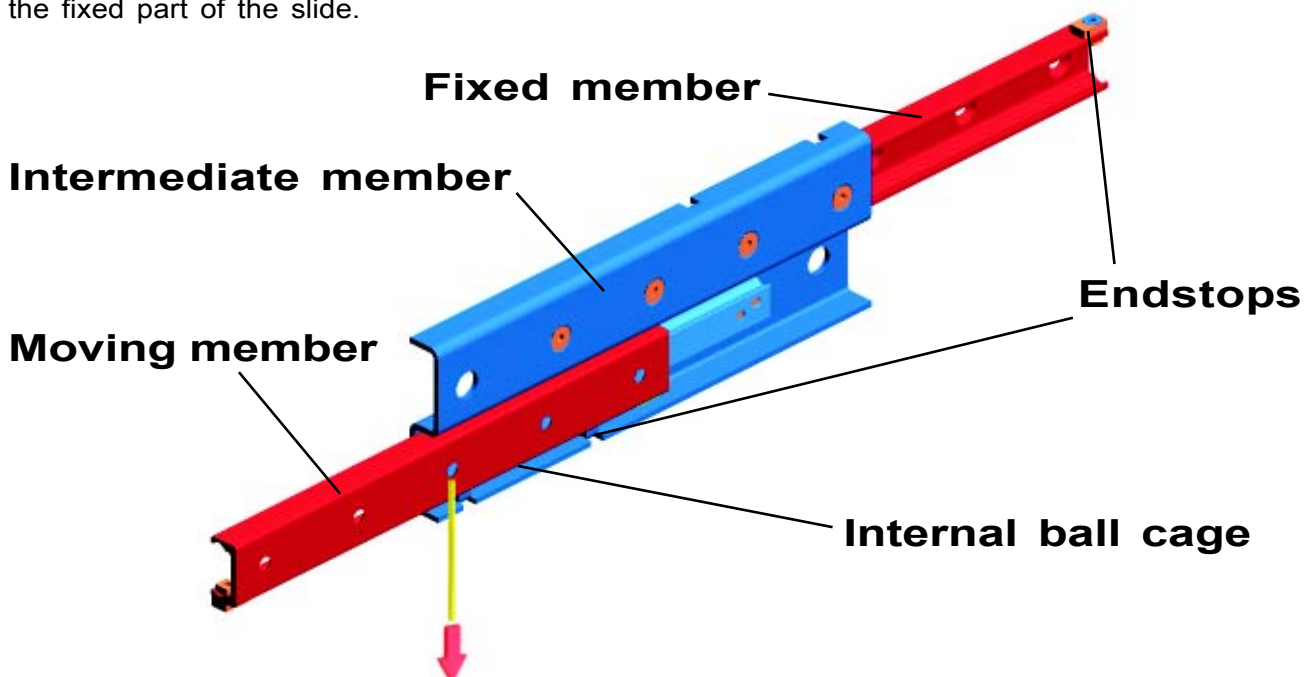
Drawer slides existed and linear bearings, of course, but drawer slides that could be used 24/7 with high loads and good precision were nowhere to be found. With our TELESCOPIC RAIL family, our engineers succeeded in creating a telescopic linear bearing – similar in movement to a drawer slide but in function closer to a linear bearing.

ROLLON's family of TELESCOPIC RAILS are the industry leader.

- ① TELESCOPIC RAIL products are made from cold-drawn bearing steel – never from bent sheet metal.
- ① TELESCOPIC RAIL products have hardened 60 HRc races to provide the smoothest movement at all times.
- ① TELESCOPIC RAIL work well with shocks and vibrations that render other slides inoperative immediately.
- ① TELESCOPIC RAIL products have minimal deflection at the tip of the fully extended slide – even while carrying maximum loads.
- ① TELESCOPIC RAIL products can reach strokes of over 2 m (6.5 ft) in one direction and can double that by doing the same out the other side.

The TELESCOPIC RAIL family contains the following types of products:

- Telescopic slides with hardened races
- Telescopic slides with non-hardened races
- Semi-telescopic slides with rails that extend more than half of their length out of either side of the fixed part of the slide.



Note: This drawing refers to DS series.