

WHAT MAKES ROLLON'S TELESCOPIC RAILS THE WORLD'S BEST

- SMOOTHNESS OF MOVEMENT

When choosing a telescopic slide, this key factor is often overlooked. This is unfortunate because, in the field, it is often the most important factor. After all, a slide that moves poorly is at best, frustrating and at worst, dangerous.

Smoothness of movement is an area where **ROLLON's TELESCOPIC RAIL** slides excel. In fact, a quick analysis of the slides' characteristics reveals that the **induction hardened races** allow **smooth and sturdy movement** even at the **maximum capacity** listed in the catalog. The hardened raceways allow this same **sweet movement even when impacts, shocks, and vibrations are present**. This type of smoothness is difficult to obtain from slides made from bent sheet metal or aluminum under the best of circumstances and is near impossible to in active environments. The non-hardened raceways of lesser quality slides will tend to permanently deform or brinell in typical applications which will cause difficult, uneven movement or even failure. **ROLLON's TELESCOPIC RAIL** slides are rigid enough to allow only **minimal deflection at maximum capacity** (see below). This is important because when closing a slide, if there is deflection, the applied load must be pushed up an inclined plane. **TELESCOPIC RAIL** slides provide such smooth movement, there really is no other choice.

- HIGH LOAD CAPACITY

The load capacity is clearly one of the most important factors evaluated when choosing a telescopic slide. **ROLLON's TELESCOPIC RAIL** slides **combine high load capacity with compact dimensions**. Many drawer slide manufacturers present industrial slides in their catalogs and give them relatively high load capacities. This can cause confusion when compared to a **TELESCOPIC RAIL** slide with an obviously stiffer and higher quality design but with a similar capacity. It is therefore important to note that **the load capacities indicated in this catalog reflect the maximum working loads** that the slide will carry in a continuing, repetitive manner – ie. twenty-four hours a day, seven days a week. **ROLLON's TELESCOPIC RAIL** slides are actual telescopic linear bearings and not “drawer slides” and are therefore designed to be lasting, working components.

- EXTREMELY LIMITED DEFLECTION

All of the elements in the **TELESCOPIC RAIL** slides have been designed to remain as stiff as possible and to allow as little deflection as possible in the fully extracted position. As mentioned briefly above, **the smoothness of movement depends heavily on the lack of deflection in the extracted position**. The load on a slide that deflects when opened must be lifted and pushed up an inclined plane in order to close. Oversize actuators and motors that are often needed to compensate for this lifting and pushing movement do not need to be specified due to the **rigidity** provided by **ROLLON's TELESCOPIC RAIL** slides. The excessive manual labor and effort needed to move a deflecting drawer slide is certainly not needed to close a **TELESCOPIC RAIL** slide. The mechanical and economical advantages of our high-quality slides are notable.

- ASSEMBLING ACCURACY

ROLLON is able to guarantee **extreme quality, accuracy, and reliability** for all of the components of the **TELESCOPIC RAIL** family. Smooth movement, **lack of play**, and **low coefficient of friction** separate these rails from industrial “drawer slides” found elsewhere. When choosing a telescopic slide, there really is no other choice.