Lubrication-free igus telescopic guide for hygienic pull-out drawers

New maintenance-free and compact drylin NT telescopic rail withstands loads up to 180N

Using the new lubrication-free, lightweight and durable drylin NT-60 telescopic rail from igus, drawers with a length of up to 2,000 millimetres can be operated quietly in medical systems or laboratory automation. For this, igus relies entirely on wear-resistant and easy-to-clean iglidur tribo-polymers for the sliding elements.

Telescopic rails are used everywhere to remove objects from small spaces whether in drawers, vending machines or headrests. This is possible because they consist of several rails that can be pushed together and pulled apart. So that users can rely on a lightweight and lubrication-free solution, even for higher payloads, igus has now expanded its drylin NT telescopic rail series. With the new 60mm wide and 24mm high guide, full extension, partial extension or overextension with an individual length of up to 2,000 millimetres is possible. The new drylin NT-60 system displays its advantages, especially in medical technology. Here, solutions that are hygienic, lightweight and easy to clean are in demand. Which is why igus uses hard anodised aluminium in the rails and sliding elements made of the high-performance polymer iglidur J. The tribo-polymer ensures a smooth, even and, above all, lubrication-free sliding of the guides. But the polymer sliders have even more advantages: they are quiet in operation and completely maintenance-free due to the incorporated solid lubricants. By eliminating grease, no dirt or dust adheres to the rails. The risk of failure is minimised. The telescopic rails can be easily and quickly cleaned with high pressure or chemicals, an important criterion for use in hospitals.

Easy carriage of heavy loads

All elements in the new drylin NT-60 guide that are subjected to bending stress are made of metal and have a high rigidity. A drawer test in the igus laboratory showed that two telescopic guides with an extension length of 400 millimetres can withstand static loads of up to 180N in the vicinity of the handle. By using sliding elements made of polymer instead of metallic balls, the adjustment

guides can be installed both horizontally - as a classic drawer slide - and individually or parallel to each other. "This gives the user variable options in the design. The guides can be used indoors and outdoors because they are completely corrosion-resistant", explains Michael Hornung, drylin Product Manager at igus GmbH.

Compact size for low loads

In addition to drylin NT-60, igus also offers the system in a width of 35 millimetres and a height of 19 millimetres. It allows users to extend individual lengths up to 1,200 millimetres. Due to its compact type, the drylin NT-35 telescope system is suitable for applications in small installation spaces such as motor vehicles or camper vans. In addition to full extension, partial extension and overextension, the NT-35 series also offers a version with a latching option in the middle and end positions. Clean in operation, robust in handling, valuable in the adjustment. In addition to medical technology and laboratory automation, the drylin NT telescopic guides can also be used in the construction of vending machines, in interiors and shop fitting as well as fittings in furniture systems.

Caption:

Picture PM7419-1

Users of medical systems can now rely on the hygienic drylin NT-60 telescopic rail from igus for lubrication-free pull-out drawers. (Source: igus GmbH)

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 4,150 people around the world. In 2018, igus generated a turnover of 748 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.