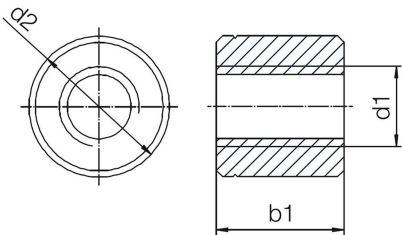


dryspin® lead screw nut, high helix thread, E7SLM
DST-E7SLM-1413DS6.35X2.54



dryspin® lead screw nut, high helix thread, E7SLM

- Material: iglidur® E7
- Thread direction: Left-hand thread
- Thread type: High helix thread dryspin®
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the dryspin lead screw nut, E7SLM from igus, crafted from high-performance iglidur E7 polymer. Designed for high speeds up to 1,200rpm with low loads, it features excellent vibration dampening and noise reduction. This cylindrical nut is lubrication-free and maintenance-free, ensuring durability in tough environments. With a long-term application temperature up to +60°C, it's perfect for various industrial uses. Experience quiet, reliable performance with the advanced dryspin technology.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	86 N

General properties

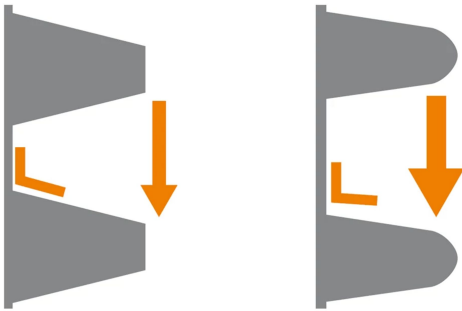
Thread direction	Left-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	1.67 g
With spanner flat	No

Dimensions

Thread size	DS6.35X2.54
Ø d1	6.35 mm
Ø d2	14 mm
b1	13 mm
Effective supporting surface	172 mm²



Additional information and diagrams

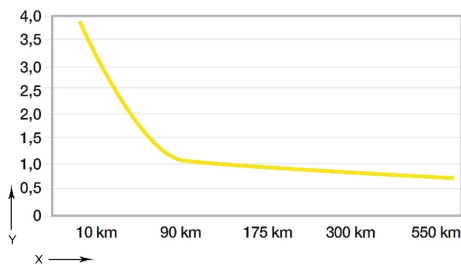


Higher efficiency due to optimised thread angle

Due to a flatter thread angle in dryspin® high helix lead screws (similar to a trapezoidal thread), the applied force is efficiently converted into a translational motion. Compared with a steeper thread angle, this means a lower power loss.

Left: Steep flank angle, standard geometry

Right: Flat flank angle, dryspin® geometry



Wear-resistant dryspin® high helix thread

DST 10x25, load 175 N, 540 mm stroke, 125 rpm

x = running distance of dryspin® high helix thread in km

y = wear rate [μ/km stroke length of the nut]