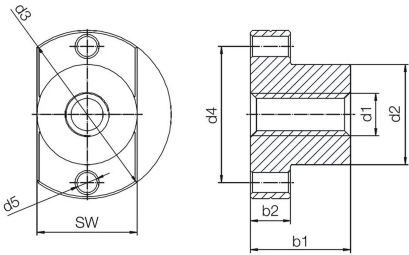


dryspin® flange lead screw nut with spanner flat,
high helix thread, JFLM

DST-JFLM-131315DS6.35X2.54



dryspin® flange lead screw nut with spanner
flat, high helix thread, JFLM

- Material: iglide® J
- Thread direction: Left-hand thread
- Thread type: High helix thread dryspin®
- Design: Standard
- Cylindrical lead screw nut with flange
- With spanner flat

Product description

Introducing the dryspin flange lead screw nut with spanner flat from igus, part of the JFLM series. Made from high-performance iglidur J polymer, this nut offers exceptional efficiency at all speeds. Its low coefficient of friction ensures minimal wear, while its robust design withstands temperatures up to +90°C. Enjoy a lubrication-free, maintenance-free experience with quiet, vibration-free operation. Ideal for a variety of applications, this durable and chemical-resistant nut is your reliable choice for lead screw technology.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
---	-----

General properties

Thread direction	Left-hand thread
Thread type	High helix thread dryspin; highest efficiency
With spanner flat	No
Weight	3.48 g

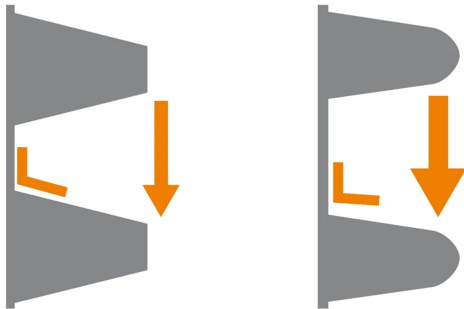


Dimensions

Thread size	DS6.35X2.54
Ø d1	6.35 mm
Ø d2	13 mm
Ø d3	25 mm
Ø d4	19 mm
Ø d5	3.2 mm
b1	15 mm
b2	5 mm



Additional information and diagrams

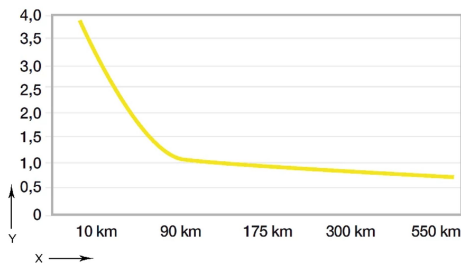


Higher efficiency due to optimised thread angle

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



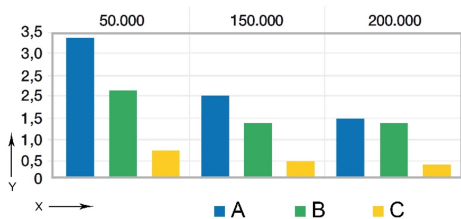
Wear-resistant dryspin® high helix thread

x = Running distance dryspin® high helix thread in km

y = Wear rate [μm/km stroke length of the nut]

x = Running distance dryspin® high helix thread in km

y = Wear rate [μm/km stroke length of the nut]



Wear test high helix thread

Wear-resistant high helix thread 10x50, dryspin® high helix thread / Standard high helix thread, load 36 N, 100 rpm for 50,000/150,000/200,000 cycles

drylin® lead screw nuts are made from tribologically optimised materials. Starting in the development phase, the focus is on optimising the friction properties of the drylin® lead screw units, with the objective of attaining the lowest possible wear rates and friction values.

A Blue: Standard high helix thread/POM plastic nuts

B Green: Standard high helix thread/lead screw nut igus®

C Yellow: dryspin® high helix thread/lead screw nut igus®

y = Wear rate [μm/km stroke]