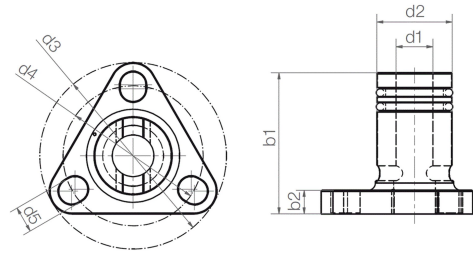


drylin® flange lead screw nut, dryspin® high helix thread, pre-loaded, JFRM

DST-JFRM-LC-0001-DS12X15



drylin® flange lead screw nut, dryspin® high helix thread, pre-loaded, JFRM

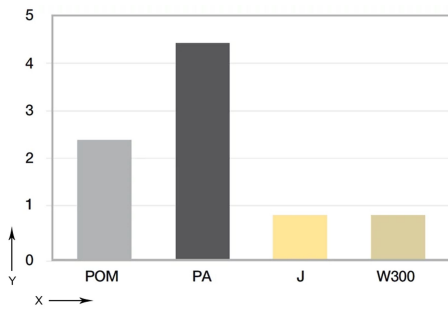
- Material: iglide® J
- Thread direction: Right-hand thread
- Thread type: High helix thread dryspin®
- Design: preloaded
- Cylindrical lead screw nut with flange

Product description

Introducing the drylin flange lead screw nut from igus, featuring a dryspin high helix thread design. This pre-loaded nut ensures reduced axial clearance and minimizes vibrations for smooth operation. Crafted from durable iglide J material, it boasts a right-hand thread and a practical flange design. Ideal for various applications, this lead screw nut offers a cost-effective solution without compromising performance. Experience reliability and efficiency with the drylin flange lead screw nut.



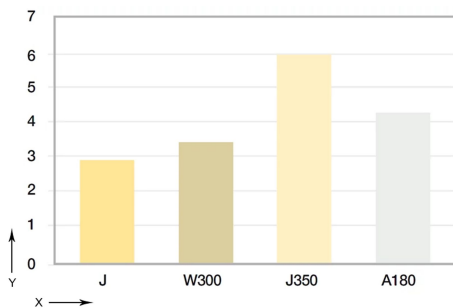
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

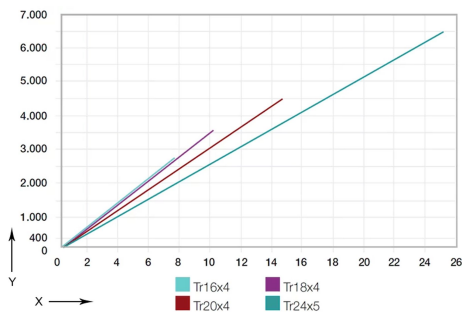


Wear test on a VA lead screw

Stroke 140 mm, 50 N, lead screw VA rolled, 450 rpm

x = Different materials

y = Wear [mg/km]



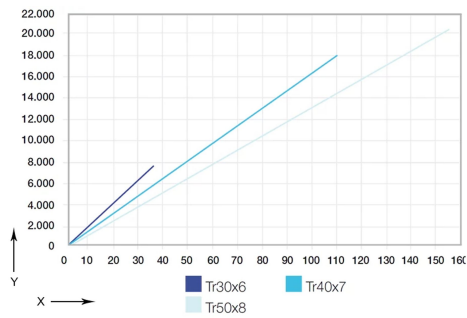
Required drive torque lead screw modules Ø16 to Ø24

Assuming $\mu = 0.25$, without considering the lead screw supports

x = Torque [Nm]

y = Load [N]



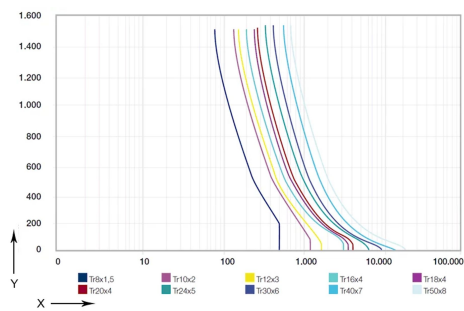


Required drive torque lead screw modules Ø30 to Ø50

Assuming $\mu = 0.25$, without considering the lead screw supports

x = Torque [Nm]

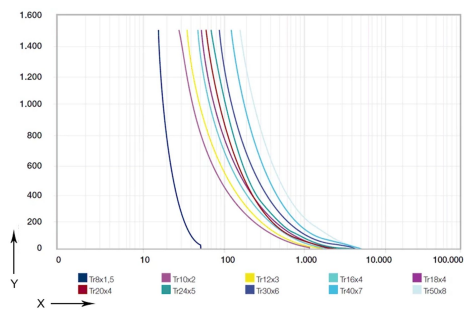
y = Load [N]



Maximum dynamic load for lead screw units with 10% ESD

x = load [N]

y = speed [rpm]



Maximum dynamic load for lead screw units with 100% ESD

x = load [N]

y = speed [rpm]