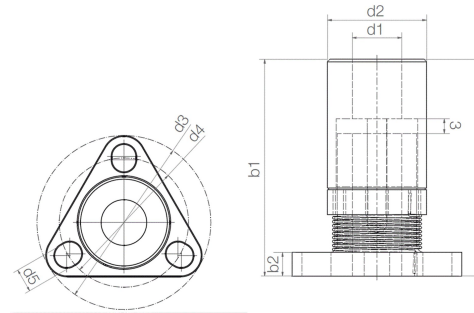


drylin® flange lead screw nut, dryspin® high helix thread, zero backlash, JFRM

DST-JFRM-ZB-0001-DS12.7X12.7



drylin® flange lead screw nut, dryspin® high helix thread, zero backlash, JFRM

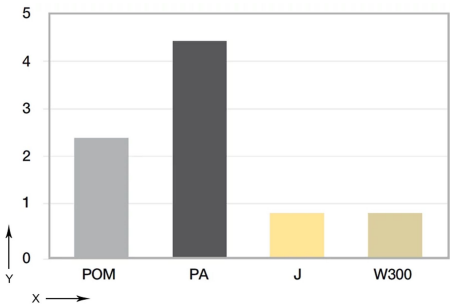
- Material: iglide® J
- Thread direction: Right-hand thread
- Thread type: High helix thread dryspin®
- Design: Standard
- Cylindrical lead screw nut with flange
- Zero-backlash

Product description

Introducing the drylin® flange lead screw nut, designed for precision with its dryspin® high helix thread and zero backlash feature. Made from durable iglidur® J material, this cylindrical nut ensures lifelong minimum axial backlash, making it ideal for precise positioning in medical, laboratory, and bio-science applications. With a right-hand thread direction, it combines reliability and efficiency, providing exceptional performance for your lead screw drives. Enhance your projects with this innovative solution from the drylin® family.

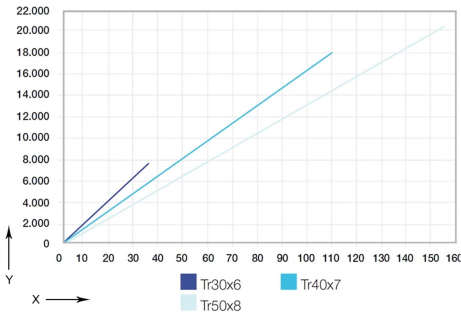


Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

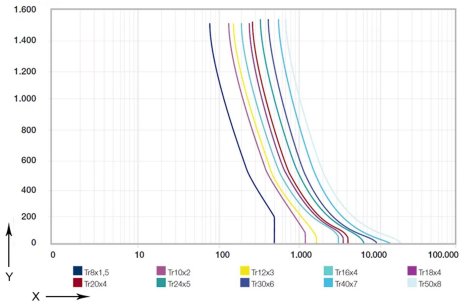
x = Different materials
y = Wear [mg/km]



Required drive torque lead screw modules Ø30 to Ø50

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

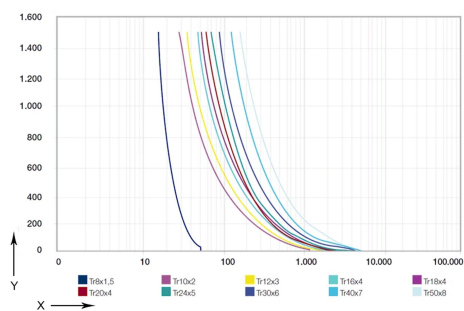
x = Torque [Nm]
y = Load [N]



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]