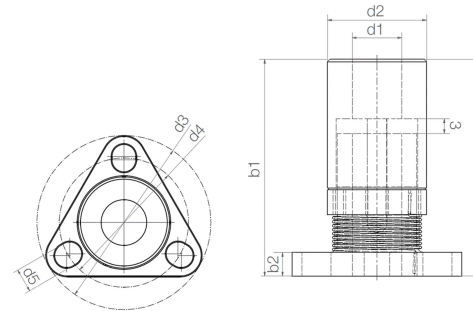


drylin® high helix lead screw nut with flange, zero backlash, JFRM

JFRM-ZB-0001-HH05X5



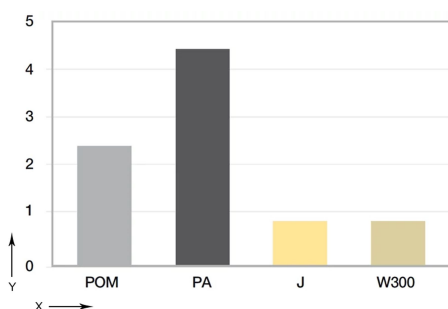
drylin® high helix lead screw nut with flange, zero backlash, JFRM

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

Product description

Introducing the drylin® high helix lead screw nut with flange, JFRM, from the trusted brand igus®. This zero-backlash lead screw nut is designed for precise positioning and feed movements, making it ideal for applications in medical, laboratory, and bio-sciences. Crafted from durable iglide® J material, it features a right-hand thread and a cylindrical design with a flange. Experience lifelong minimum axial backlash and enhanced performance in your projects with this innovative solution.

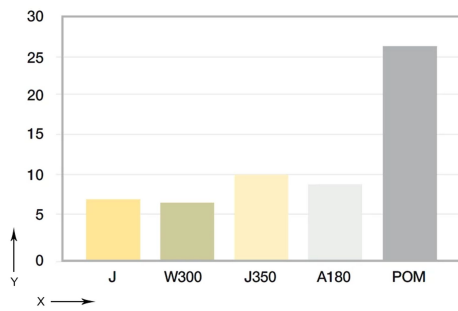
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

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



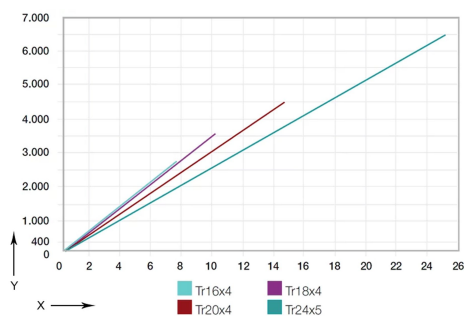


Wear test on C15 lead screw drive

Stroke 140 mm, 50 N, lead screw C15 rolled, 450 rpm

x = Different materials

y = Wear [mg/km]

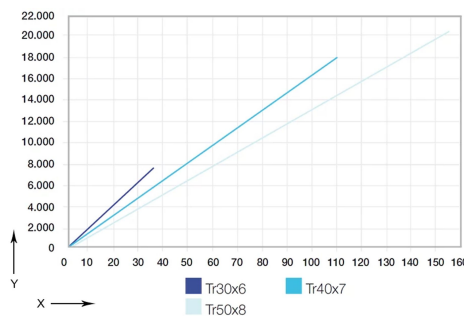


Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



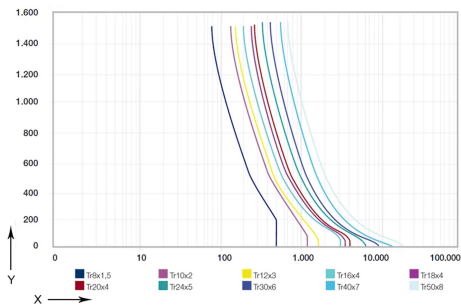
Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

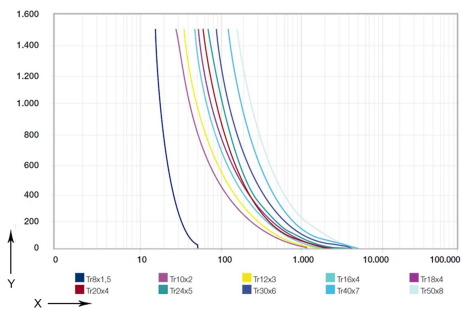
y = Load [N]





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]