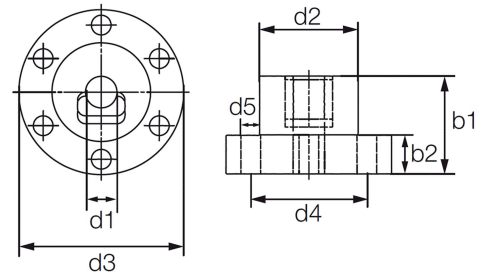


drylin® trapezoidal lead screw nut with flange, anti-backlash, JFRM

JFRM-AB-2525-TR10X3



drylin® trapezoidal lead screw nut with flange, anti-backlash, JFRM

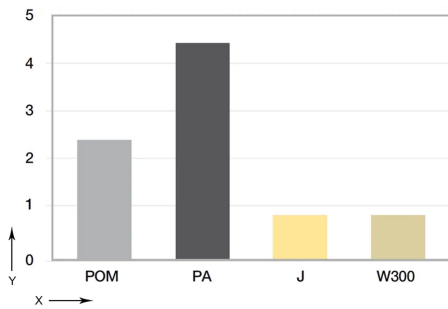
- Material: iglide® J
- Thread direction: Right-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- Cylindrical lead screw nut with flange
- Anti-backlash

Product description

Introducing the drylin trapezoidal lead screw nut with flange, designed by igus. This cylindrical nut features an anti-backlash mechanism, ensuring precise positioning and smooth operation. Crafted from high-quality iglide material, it effectively reduces vibrations and unwanted axial clearance. With its right-hand thread and standard design, it's perfect for various applications. Upgrade your machinery with this reliable and efficient lead screw nut that promises longevity and performance.



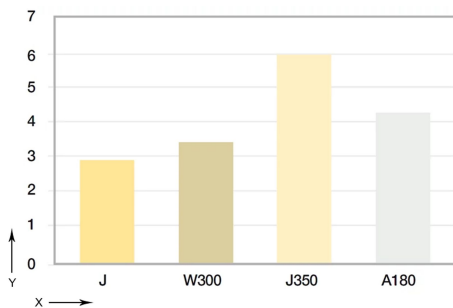
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

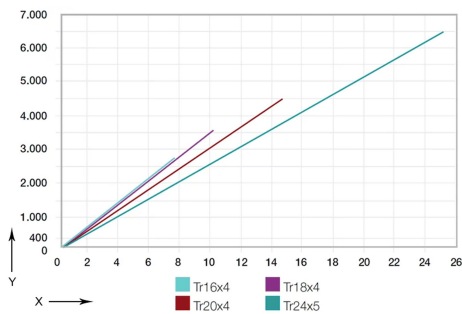


Wear test on a VA lead screw

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

x = different materials

y = wear [mg/km]



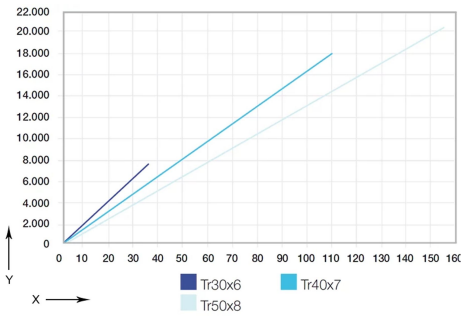
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



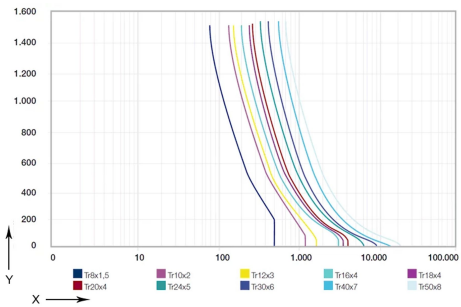


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

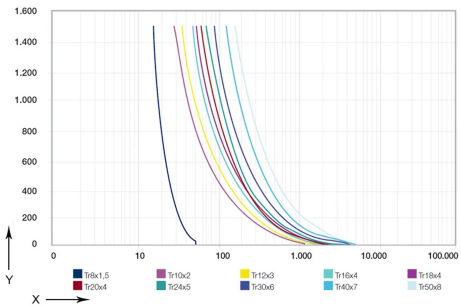
y = load [N]



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]