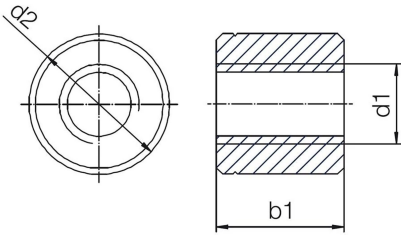


drylin® trapezoidal lead screw nut with spanner flats, JSLM

JSLM-172220TR10X2



drylin® trapezoidal lead screw nut with spanner flats, JSLM

- Material: iglidur® J
- Thread direction: Left-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- With spanner flat
- Cylindrical lead screw nut with flange

Product description

Introducing the drylin trapezoidal lead screw nut with spanner flats, JSLM, crafted from high-performance iglidur J material. This versatile lead screw nut excels at all speeds, ensuring high efficiency with a low coefficient of friction for reduced wear. It operates effectively in temperatures up to +90°C and is completely lubrication-free, making it durable and maintenance-free. Enjoy quiet, vibration-free performance and chemical resistance, ideal for various applications. Upgrade your systems with this reliable component today.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	1131 N

General properties

Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	7.68 g
With spanner flat	Yes

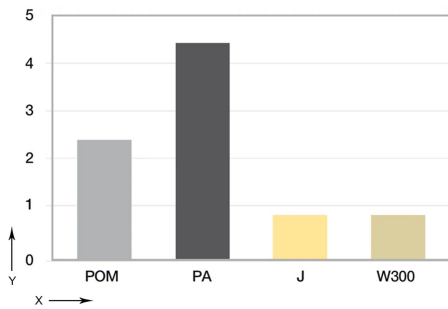


Dimensions

Thread size	TR10X2
Ø d1	10 mm
Ø d2	20 mm
b1	20 mm
Effective supporting surface	283 mm²
SW	17 mm



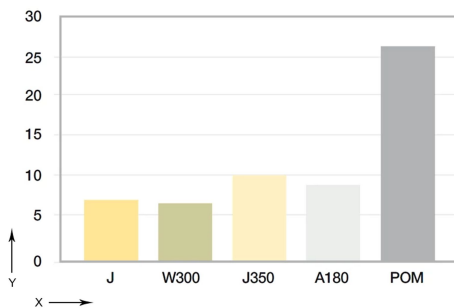
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

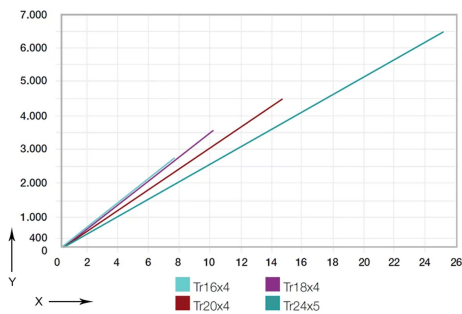


Wear test on C15 lead screw drive

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

x = different materials

y = wear [mg/km]



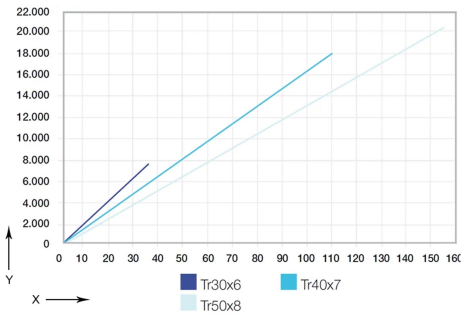
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



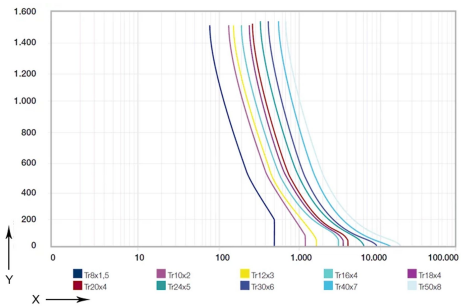


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

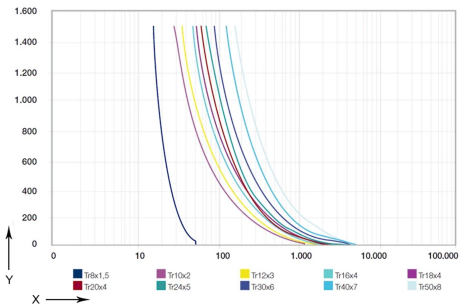
y = load [N]



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]