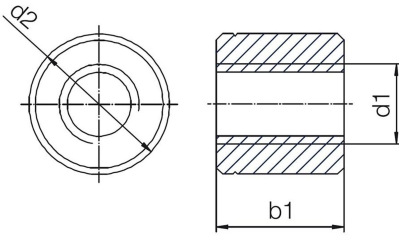


drylin® trapezoidal lead screw nut with spanner flats, J350SLM

J350SLM-172220TR10X2



drylin® trapezoidal lead screw nut with spanner flats, J350SLM

- Material: iglidur® J350
- 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, J350SLM from igus. Crafted from high-performance iglidur J350 material, this nut is designed for durability in temperatures up to +150°C. It ensures reliable, lubrication-free operation while maintaining dimensional stability even in high heat. Ideal for the railway industry, it offers excellent wear resistance, chemical resistance, and quiet performance. Upgrade your applications with this robust and maintenance-free solution.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	848 N

General properties

Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	68.4 g
With spanner flat	Yes

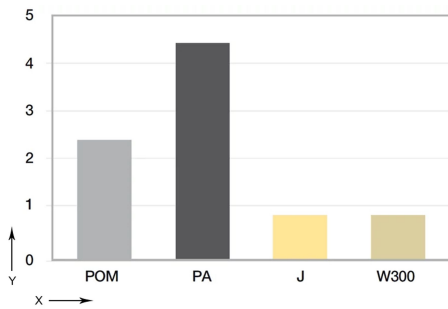


Dimensions

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



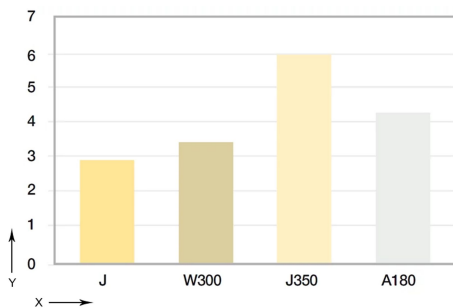
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

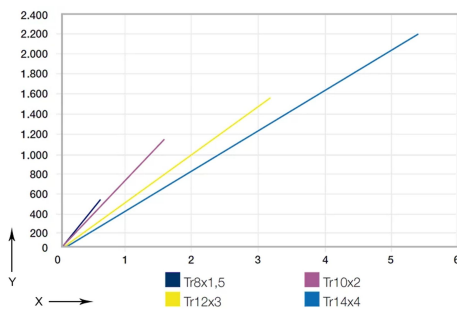


Wear test on a VA lead screw

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

x = different materials

y = wear [mg/km]



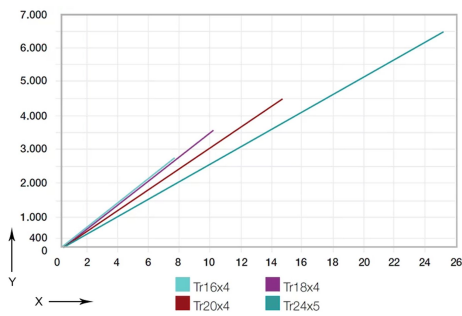
Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

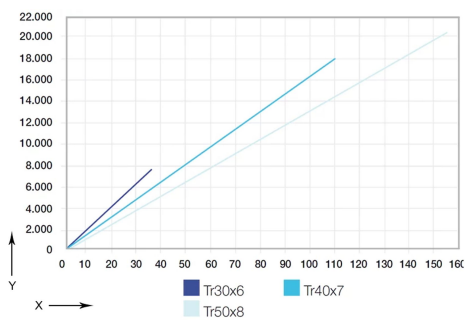
y = load [N]



**Required drive torque lead screw modules Ø16 to Ø24**Assuming $\mu = 0.25$, without considering the lead screw supports

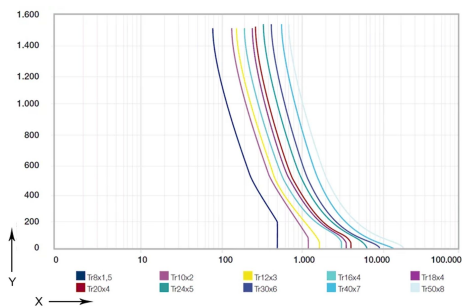
x = torque [Nm]

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]

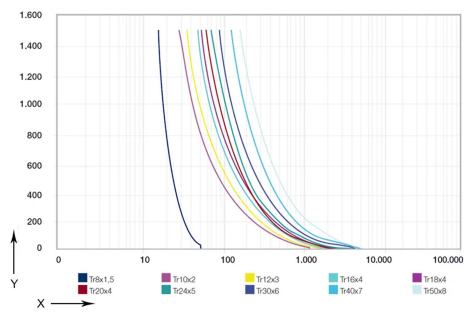
y = load [N]

**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]