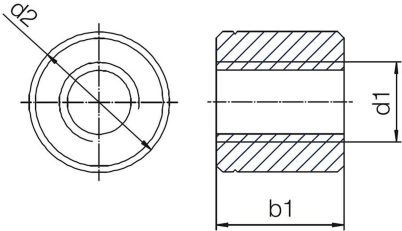
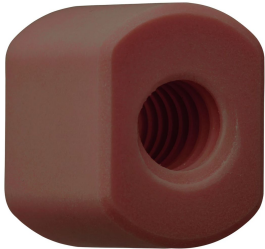


dryspin lead screw nut out of iglide R | geometry:
cylindrical with spanner flat | trapezoidal thread |
LH

RSLM-172220TR10X2



dryspin lead screw nut out of iglide R |
geometry: cylindrical with spanner flat |
trapezoidal thread | LH

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

Product description

Introducing the drylin trapezoidal lead screw nut with spanner flats, RSLM by igus. Crafted from high-performance iglidur R polymer, this lead screw nut excels at medium to high speeds while offering excellent vibration dampening for a quiet operation. Its durable design ensures high wear resistance and reliable performance in temperatures up to +90°C. Enjoy a maintenance-free experience with this robust solution, perfect for various applications requiring precision and stability.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	565 N

General properties

Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	25.415 g
With spanner flat	Yes

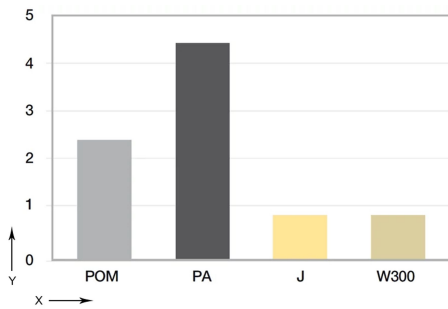


Dimensions

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



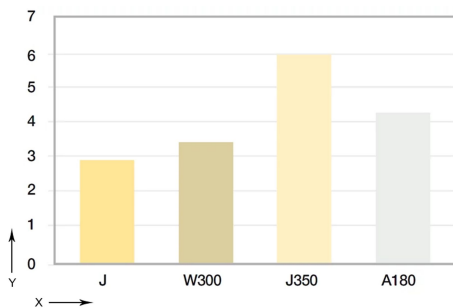
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

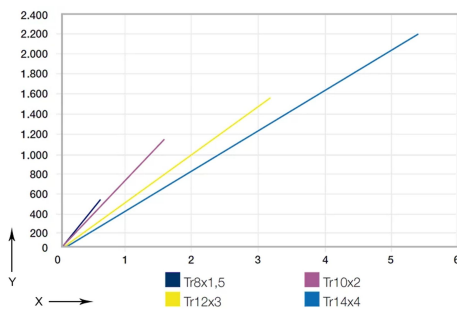


Wear test on a VA lead screw

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

x = different materials

y = wear [mg/km]



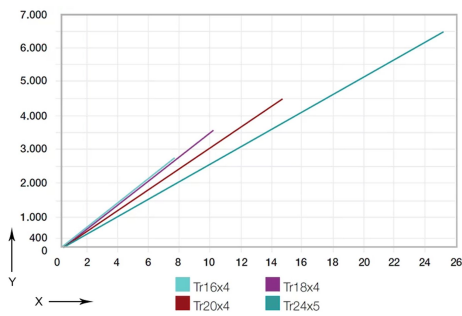
Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

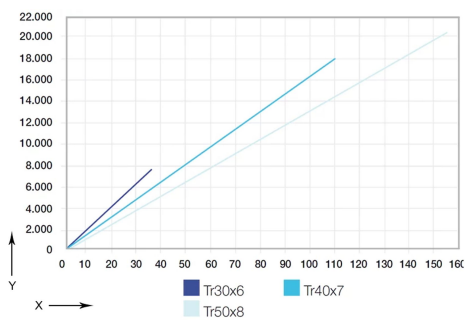
y = load [N]



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

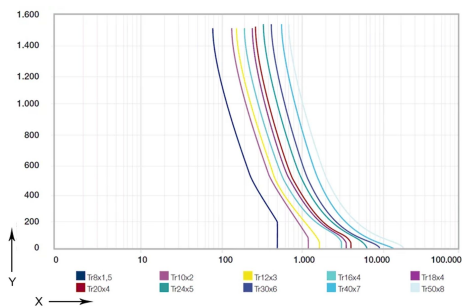
x = torque [Nm]

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]

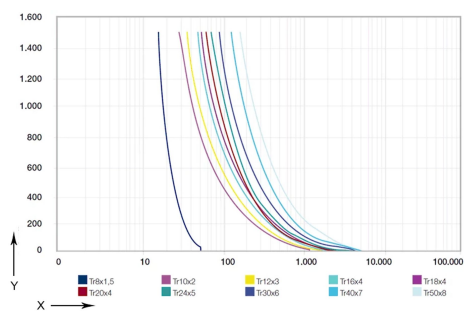
y = load [N]

**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]