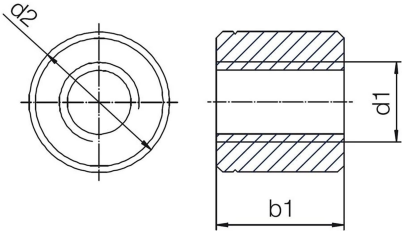
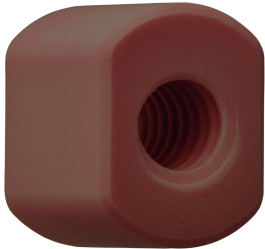


dryspin lead screw nut out of iglide R | geometry:
cylindrical with spanner flat | trapezoidal thread |
RH

RSRM-172220TR10X2



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

- Material: iglidur® R
- Thread direction: Right-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, RSRM from igus. Crafted from high-performance iglidur® R polymer, this lead screw nut offers exceptional dampening properties for a low-vibration, low-noise operation. Designed for medium to high speeds, it features high wear resistance and can withstand temperatures up to +90°C. Enjoy a lubrication-free, maintenance-free experience with robust performance in challenging environments. Perfect for applications requiring reliability and efficiency.

Requirements

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

General properties

Thread direction	Right-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	27.625 g
With spanner flat	Yes

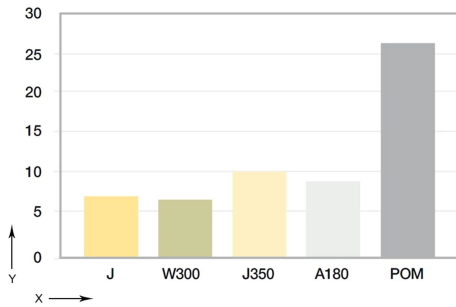


Dimensions

Thread size	TR10X2
Ø d1	10 mm
Ø d2	22 mm
b1	20 mm
Effective supporting surface	283 mm²
SW	17 mm



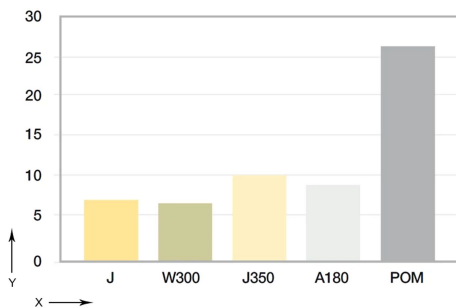
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

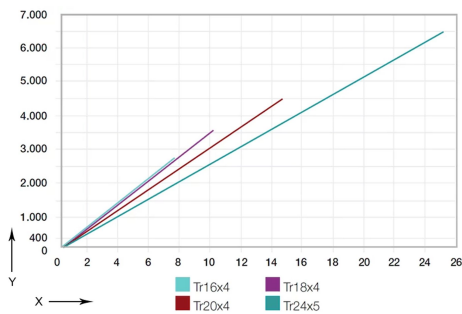


Wear test on C15 lead screw drive

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

x = different materials

y = wear [mg/km]



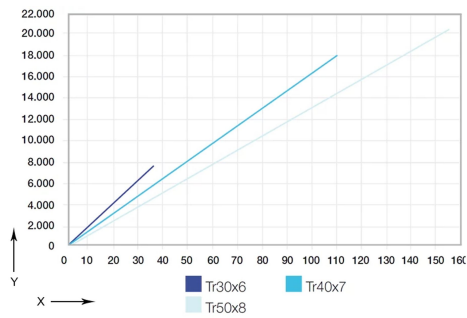
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



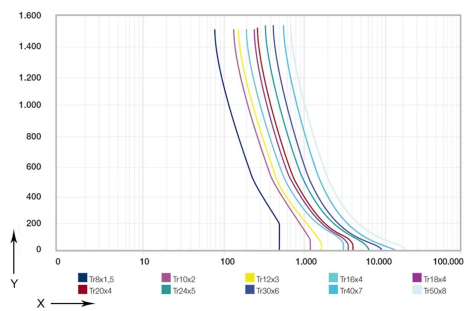


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

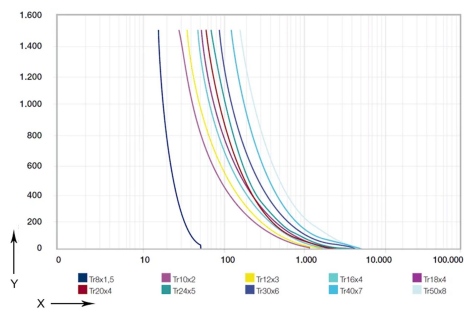
y = load [N]



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]