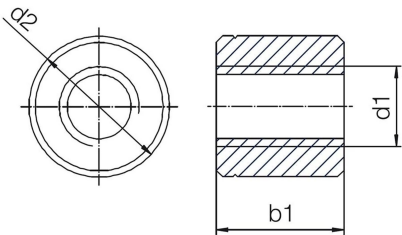


drylin® high helix lead screw nut, RSLM

RSLM-2215SG10X12



drylin® high helix lead screw nut, RSLM

- Material: iglidur® R
- Thread direction: Left-hand thread
- Thread type: High helix threads
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin high helix lead screw nut, RSLM from igus. Crafted from high-performance iglidur R polymer, this lead screw nut excels in dampening vibrations for a quiet, low-noise operation. It offers high wear resistance and operates effectively at temperatures up to +90°C. Enjoy the benefits of a lubrication-free, maintenance-free design that ensures durability in challenging environments. Experience reliable performance with this cylindrical lead screw nut, tailored for medium to high-speed applications.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	389 N

General properties

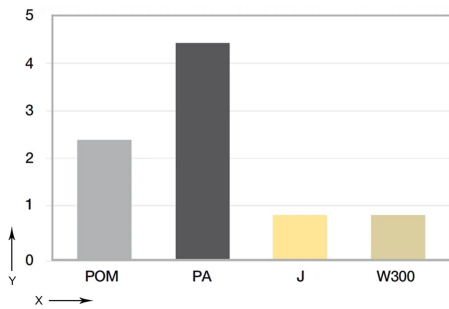
Thread direction	Left-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	6.29 g
With spanner flat	No

Dimensions

Thread size	SG10X12
Ø d1	10 mm
Ø d2	22 mm
b1	15 mm
Effective supporting surface	195 mm²



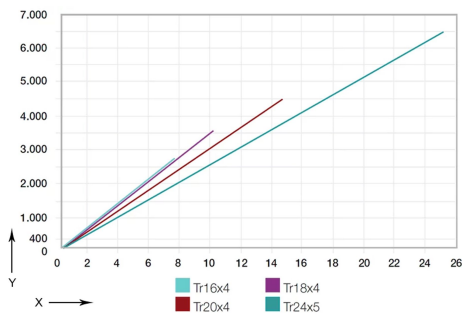
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

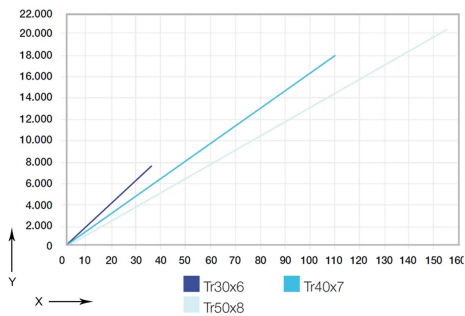


Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



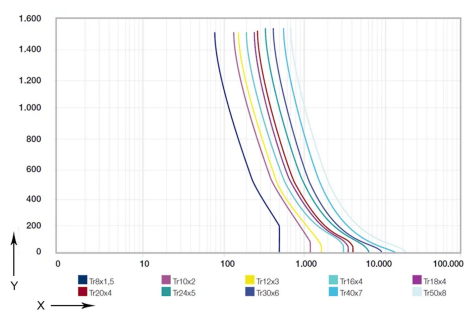
Required drive torque lead screw modules Ø30 to Ø50

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

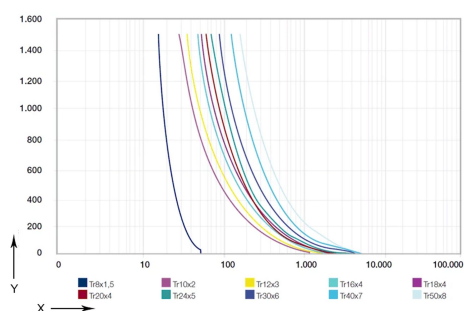
x = Torque [Nm]

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]