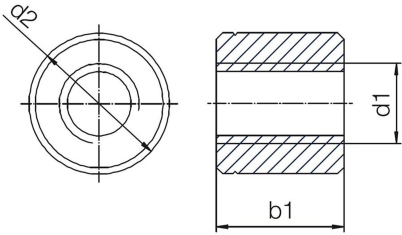


drylin® high helix lead screw nut, JSLM

JSLM-2220SG10X50



drylin® high helix lead screw nut, JSLM

- Material: iglidur® J
- 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, JSLM, crafted from iglidur J material for exceptional performance. This cylindrical lead screw nut operates efficiently at all speeds, ensuring low friction and wear. With a temperature range of -20°C to +150°C, it remains durable in various environments. Enjoy a lubrication-free experience, chemical resistance, and quiet operation. Ideal for high-load applications, this robust nut is designed for long-lasting use, making it a reliable choice for your needs.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	444 N

General properties

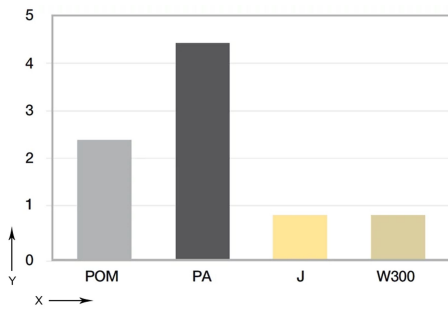
Thread direction	Left-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	11.179 g
With spanner flat	No

Dimensions

Thread size	SG10X50
Ø d1	10 mm
Ø d2	22 mm
b1	20 mm
Effective supporting surface	178 mm²



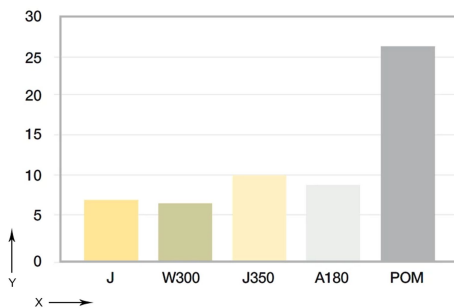
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

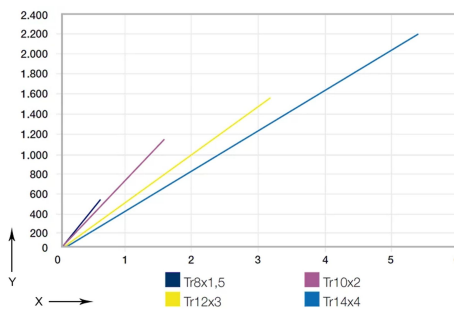


Wear test on C15 lead screw drive

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

x = Different materials

y = Wear [mg/km]



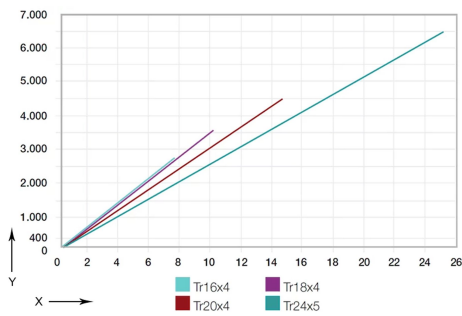
Required drive torque lead screw modules Ø8 to Ø14

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

x = Torque [Nm]

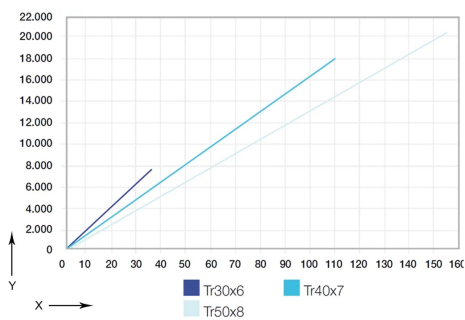
y = Load [N]



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

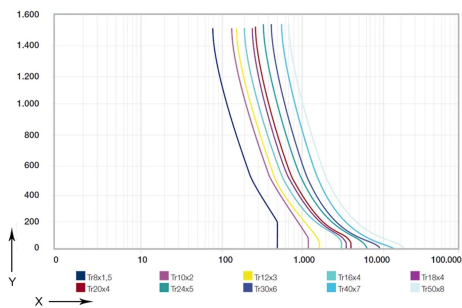
x = Torque [Nm]

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]

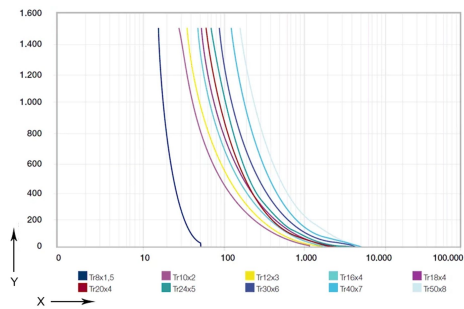
y = Load [N]

**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]