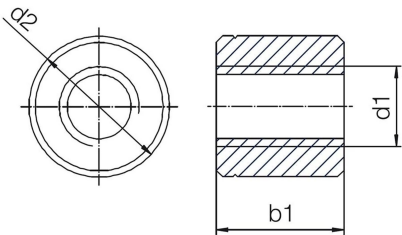


drylin® high helix lead screw nut, A180SLM
A180SLM-2215SG10X12



drylin® high helix lead screw nut, A180SLM

- Material: iglidur® A180
- 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, A180SLM by igus. Crafted from FDA-compliant iglidur A180 material, this lead screw nut is perfect for food and pharmaceutical applications. It operates effectively in temperatures up to +90°C and is designed for low to medium loads. Enjoy the benefits of a lubrication-free, durable, and chemical-resistant product that ensures quiet and vibration-free travel. Ideal for environments requiring high hygiene standards, this lead screw nut is your reliable choice for precision and safety.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	487 N

General properties

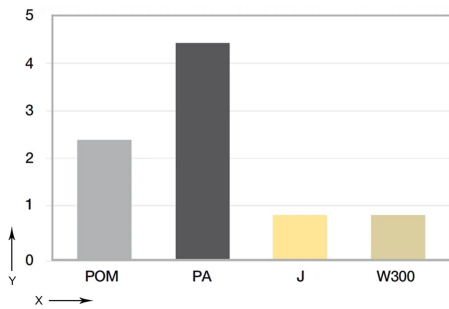
Thread direction	Left-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	6.6 g
With spanner flat	No

Dimensions

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



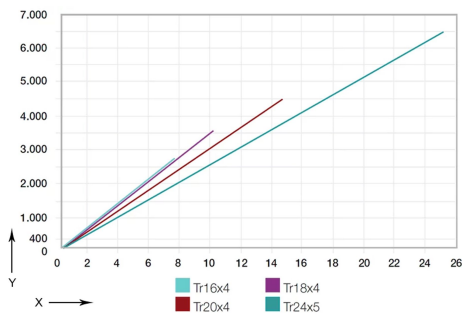
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

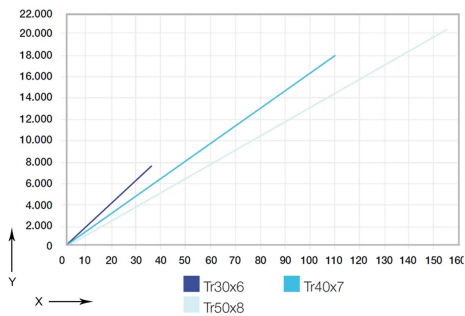


Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



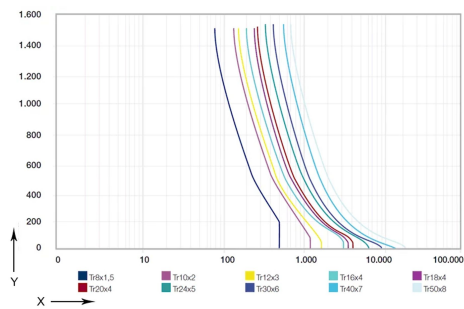
Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

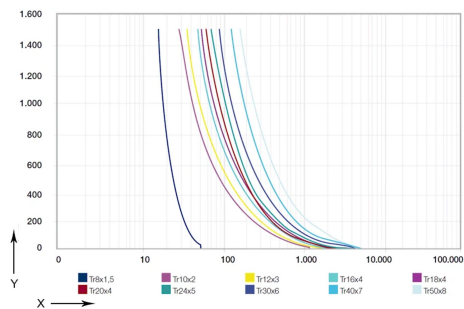
y = Load [N]





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]