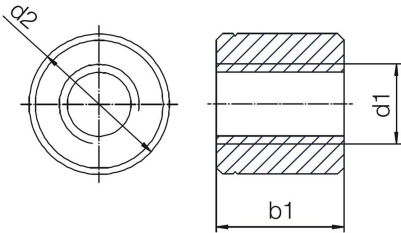


dryspin lead screw nut out of iglide J | geometry:
cylindrical | metric thread | LH

JSLM-1413M3



dryspin lead screw nut out of iglide J |
geometry: cylindrical | metric thread | LH

- Material: iglidur® J
- Thread direction: Left-hand thread
- Thread type: metric thread
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin lead screw nut, part of the JSLM series by igus. Crafted from high-performance iglidur J material, this cylindrical lead screw nut ensures high efficiency across all speeds. It operates without lubrication, offering low wear rates and durability in harsh environments. With a temperature range of -20°C to +150°C, it is both chemical resistant and maintenance-free. Experience quiet, vibration-free movement with this robust solution for your applications.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	225 N

General properties

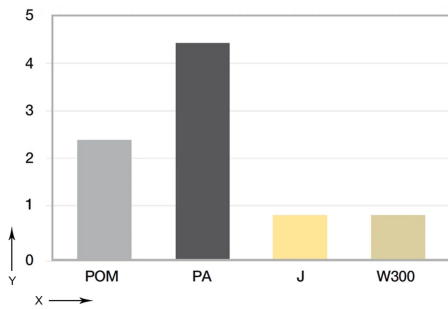
Thread direction	Left-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	4.305 g
With spanner flat	No

Dimensions

Thread size	M3
Ø d1	3 mm
Ø d2	14 mm
b1	13 mm
Effective supporting surface	56 mm²



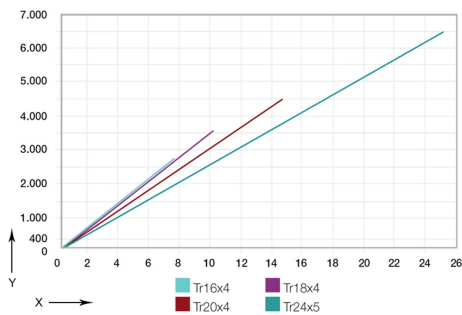
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

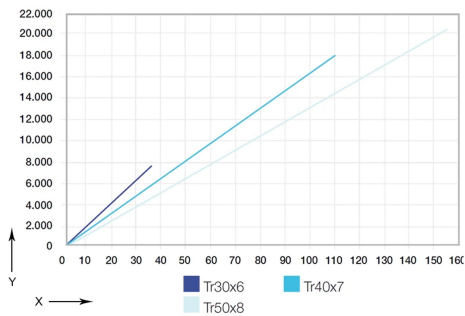


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



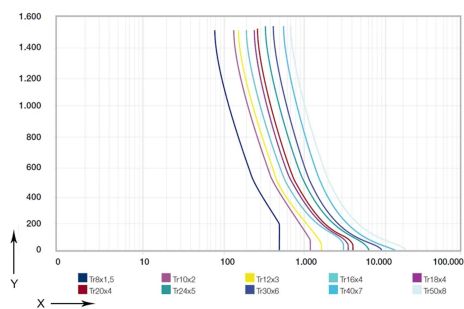
Required drive torque lead screw modules Ø30 to Ø50

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]