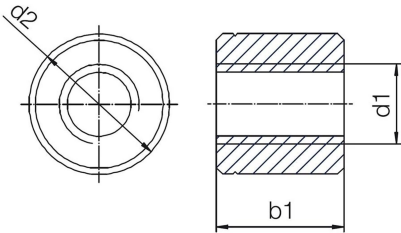


dryspin lead screw nut out of iglide W300 |
geometry: cylindrical | metric thread | LH
WSLM-1413M3



dryspin lead screw nut out of iglide W300 |
geometry: cylindrical | metric thread | LH

- Material: iglidur® W300
- 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 WSLM series by igus. Crafted from high-performance iglidur® W300 polymer, this durable nut is designed for heavy-duty applications, offering exceptional wear resistance under high loads. It operates efficiently at low speeds and withstands temperatures up to +90°C. Enjoy a lubrication-free and maintenance-free experience with this robust solution, ideal for challenging environments. Choose the drylin® lead screw nut for reliability and longevity in your projects.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	281 N

General properties

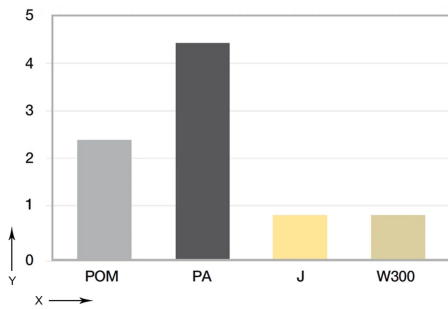
Thread direction	Left-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	13.8 g
With spanner flat	No

Dimensions

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



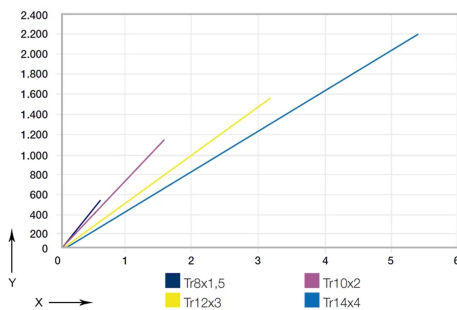
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

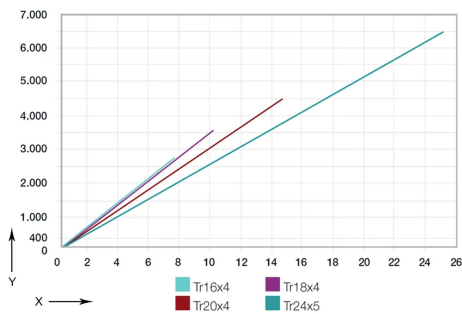


Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]



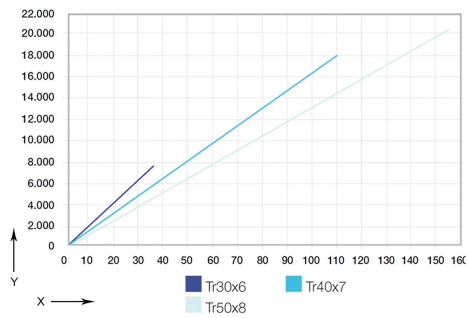
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



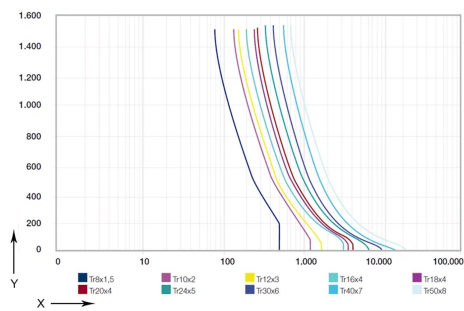


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

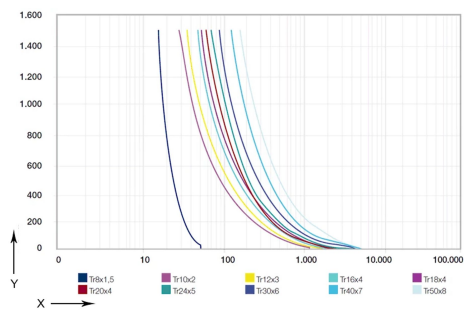
y = load [N]



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]