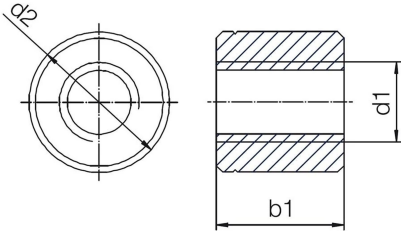


dryspin lead screw nut out of iglide W300 |
geometry: cylindrical | metric thread | RH
WSRM-1413M3



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

- Material: iglidur® W300
- Thread direction: Right-hand thread
- Thread type: metric thread
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin® lead screw nut from igus, crafted from high-performance iglidur® W300 material. This robust cylindrical nut is designed for heavy-duty applications, offering exceptional wear resistance and static strength under high loads. With a right-hand metric thread, it operates quietly and maintenance-free, ensuring long-lasting performance in challenging environments. Ideal for low-speed applications, it withstands temperatures from -20°C to +150°C, making it a reliable choice for your needs.

Requirements

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

General properties

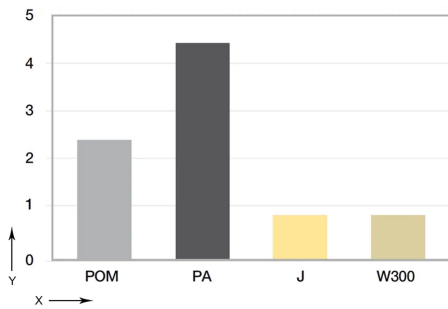
Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	6.15 g
With spanner flat	No

Dimensions

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



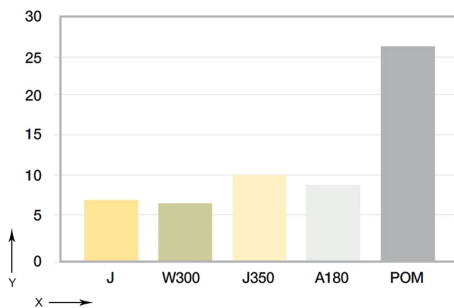
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

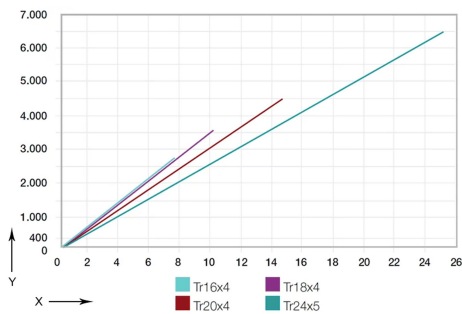


Wear test on C15 lead screw drive

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

x = different materials

y = wear [mg/km]



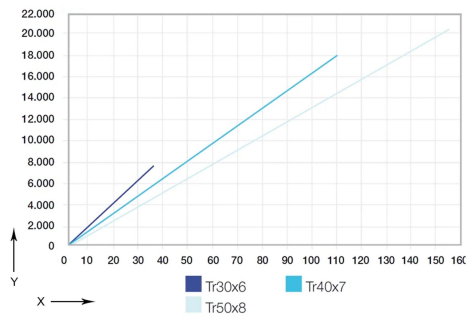
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

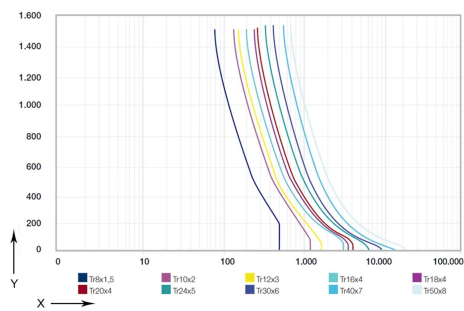
y = load [N]



**Required drive torque lead screw modules Ø30 to Ø50**Assuming $\mu = 0.25$, without considering the lead screw supports

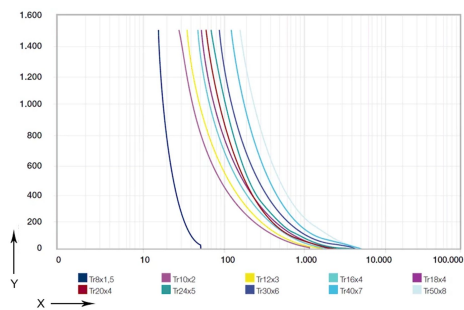
x = torque [Nm]

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]