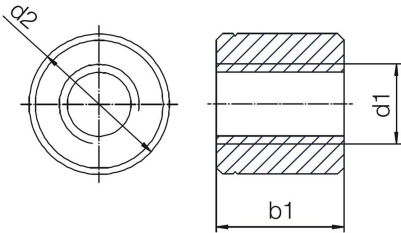


dryspin lead screw nut out of iglide R | geometry:
cylindrical | metric thread | RH

RSRM-1413M3



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

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

Product description

Introducing the drylin® lead screw nut, part of the RSRM series by igus. Made from the high-performance polymer iglidur® R, this cylindrical nut is designed for medium to high speeds, offering exceptional dampening properties for a low-vibration and low-noise operation. With high wear resistance, it performs reliably in temperatures up to +90°C. Enjoy a lubrication-free experience, making it durable and maintenance-free, perfect for various applications. Upgrade your systems with this innovative solution.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	112 N

General properties

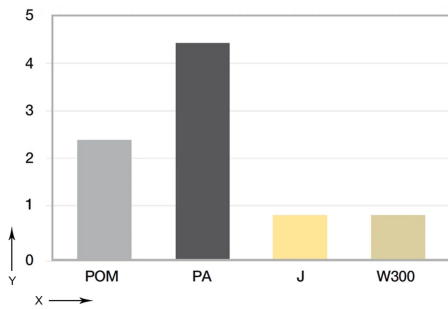
Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	16.575 g
With spanner flat	No

Dimensions

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



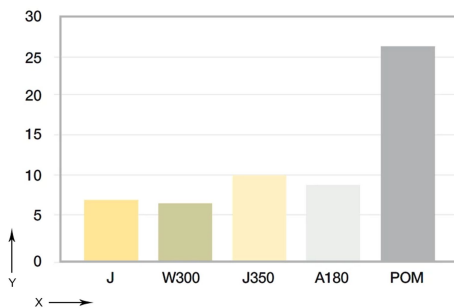
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

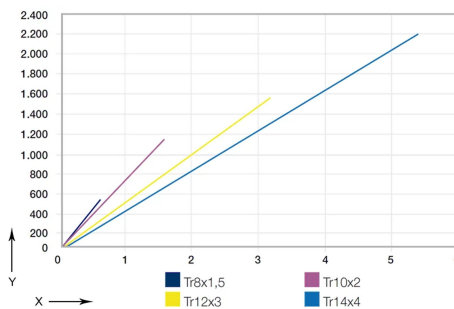


Wear test on C15 lead screw drive

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

x = different materials

y = wear [mg/km]



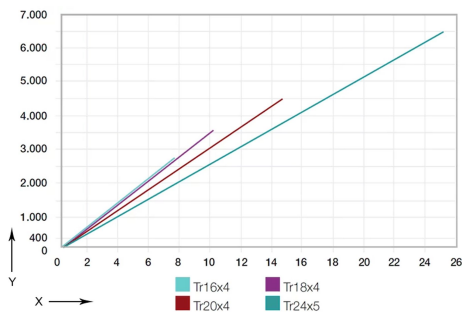
Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

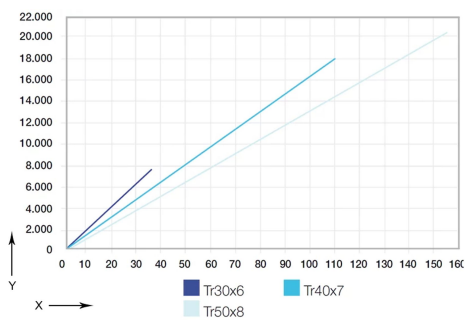
y = load [N]



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

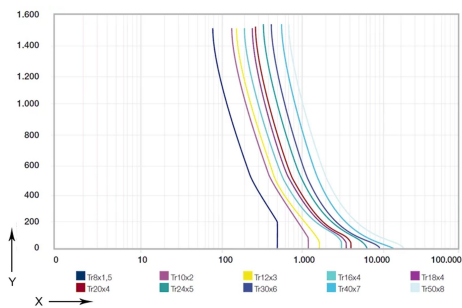
x = torque [Nm]

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]

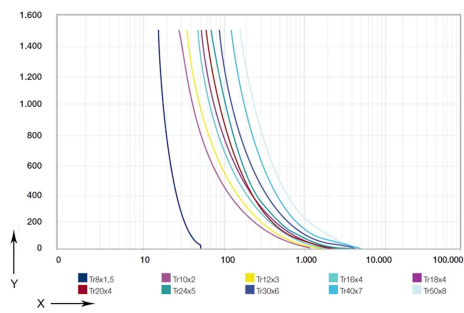
y = load [N]

**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]