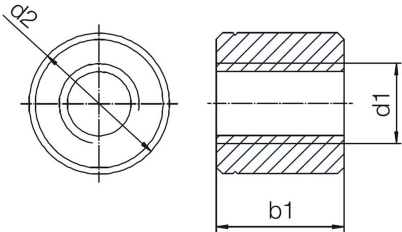


drylin® lead screw nut, metric thread, A180SRM
A180SRM-1413M3



drylin® lead screw nut, metric thread,
A180SRM

- Material: iglidur® A180
- Thread direction: Right-hand thread
- Thread type: metric thread
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin® lead screw nut A180SRM, crafted from FDA-compliant iglidur® A180 material, making it ideal for food and pharmaceutical applications. This cylindrical lead screw nut is designed for low to medium loads and operates efficiently in temperatures up to +90°C. Enjoy the benefits of a lubrication-free, maintenance-free experience, along with durability and chemical resistance. Perfect for environments requiring hygiene and reliability, this lead screw nut is your go-to solution.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	197 N

General properties

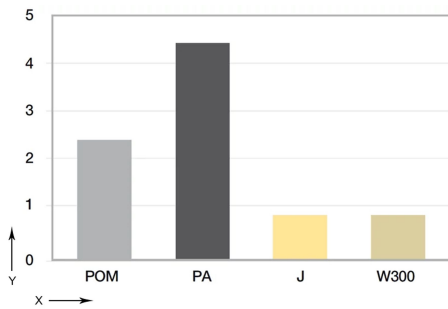
Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	17.25 g
With spanner flat	No

Dimensions

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



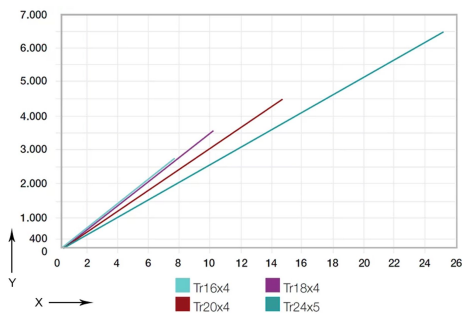
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

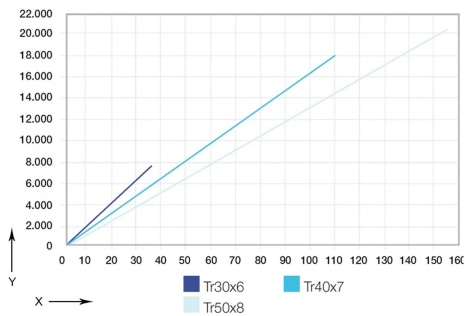


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



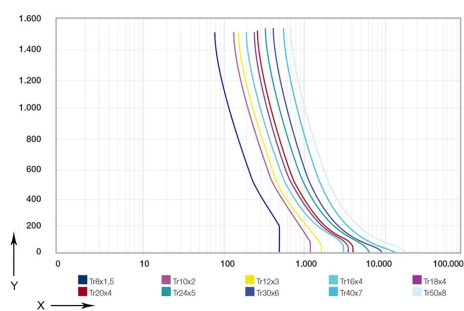
Required drive torque lead screw modules Ø30 to Ø50

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

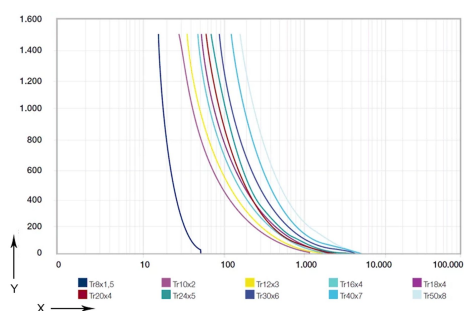
x = torque [Nm]

y = load [N]



**Maximum dynamic load for lead screw units with 10% ESD**

x = load [N]
y = speed [rpm]

**Maximum dynamic load for lead screw units with 100% ESD**

x = load [N]
y = speed [rpm]