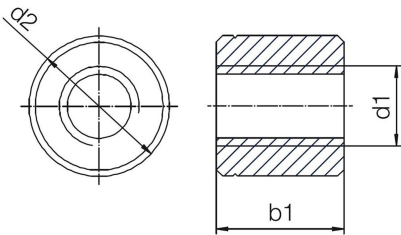


drylin® trapezoidal lead screw nut, multi start,
A180SLM

A180SLM-3024TR16X8P4



drylin® trapezoidal lead screw nut, multi start,
A180SLM

- Material: iglidur® A180
- Thread direction: Left-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- Cylindrical lead screw nut
- Multi start

Product description

Introducing the drylin trapezoidal lead screw nut, model A180SLM, crafted from FDA-compliant iglidur A180 material. Ideal for food and pharmaceutical applications, this multi-start, cylindrical nut ensures safe operation in moisture-rich environments. Enjoy the benefits of a lubrication-free, maintenance-free design that is durable, chemical-resistant, and quiet. Withstanding temperatures from -20°C to +90°C, this lead screw nut is perfect for low to medium load applications, delivering reliability and performance you can trust.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	1570 N

General properties

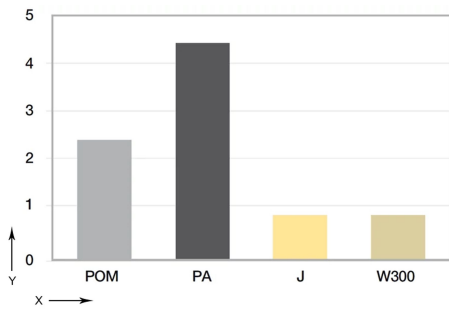
Thread direction	Left-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	29.9 g
With spanner flat	No

Dimensions

Thread size	TR16X8P4
Ø d1	16 mm
Ø d2	30 mm
b1	24 mm
Effective supporting surface	528 mm²



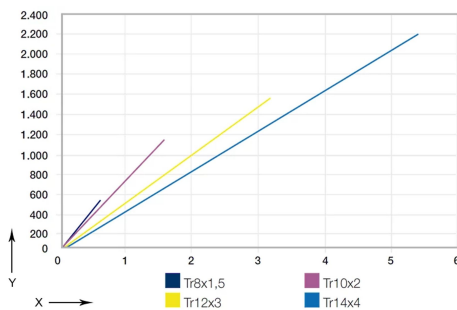
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

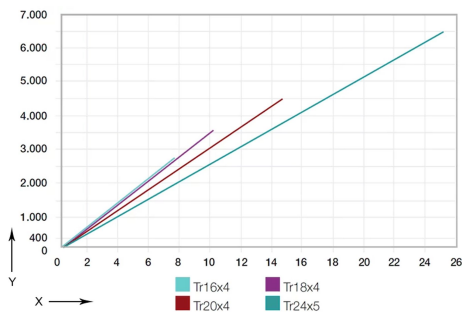


Required drive torque lead screw modules Ø8 to Ø14

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

x = Torque [Nm]

y = Load [N]



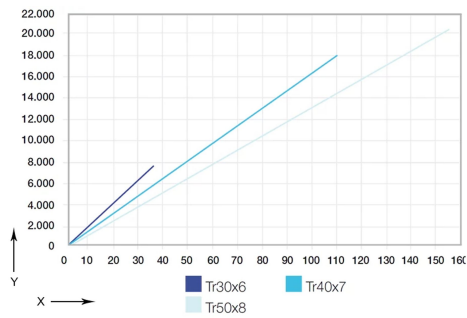
Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

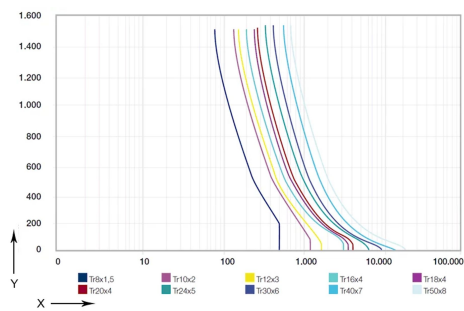
y = Load [N]



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

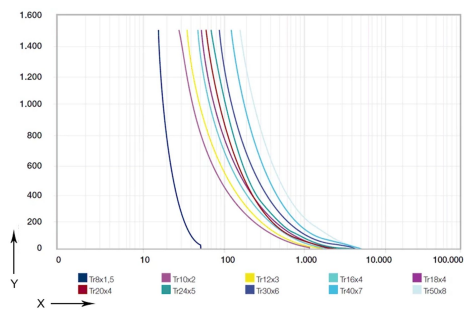
x = Torque [Nm]

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]