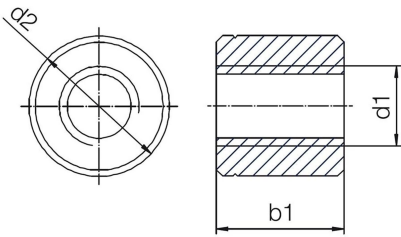


drylin® trapezoidal lead screw nut, multi start,
J350SLM

J350SLM-3024TR16X8P4



drylin® trapezoidal lead screw nut, multi start,
J350SLM

- Material: iglidur® J350
- 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 J350SLM, crafted from high-performance iglidur J350 material. This durable lead screw nut operates effectively in temperatures up to +150°C, making it ideal for medium to high temperature applications. It is lubrication-free, maintenance-free, and offers a quiet, vibration-free operation. Designed for reliability in challenging environments, it is also certifiable according to EN 45545 HL3, R24, and is perfect for various industrial uses, including the railway industry.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	1346 N

General properties

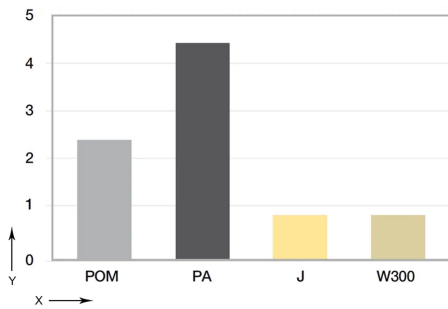
Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	29.64 g
With spanner flat	No

Dimensions

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



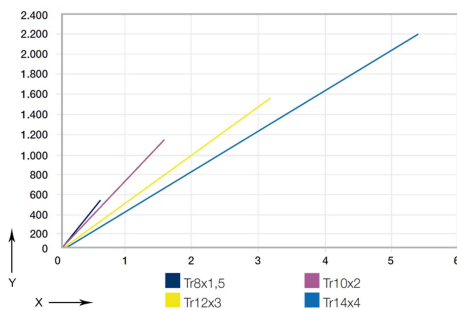
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

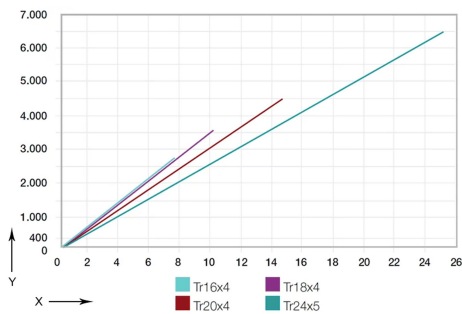


Required drive torque lead screw modules Ø8 to Ø14

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

x = Torque [Nm]

y = Load [N]



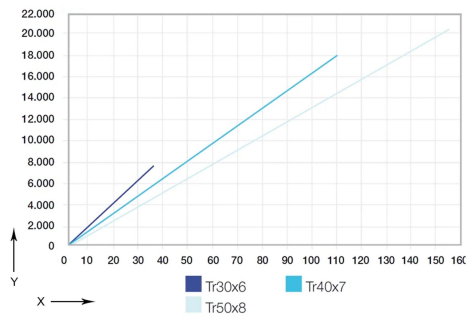
Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]

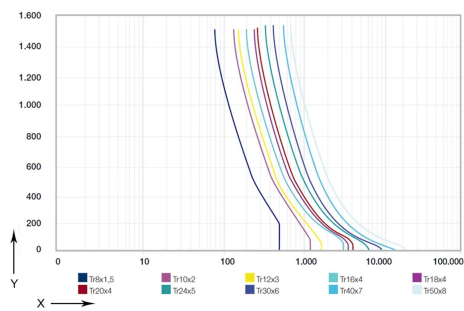


**Required drive torque lead screw modules Ø30 to Ø50**

Required drive torque lead screw modules Ø30 to Ø50

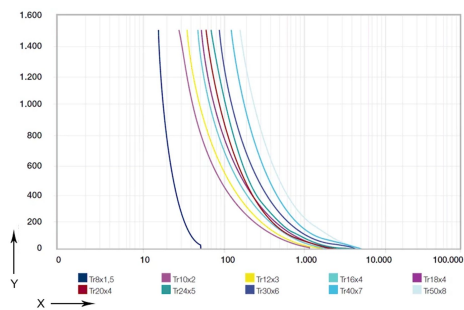
x = Torque [Nm]

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]