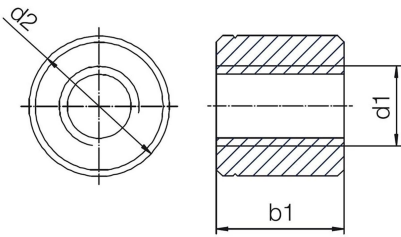


drylin® trapezoidal lead screw nut, multi start,
J350SRM

J350SRM-1 413TR06X2P1



drylin® trapezoidal lead screw nut, multi start,
J350SRM

- Material: iglidur® J350
- Thread direction: Right-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- Cylindrical lead screw nut
- Multi start

Product description

Introducing the drylin trapezoidal lead screw nut, model J350SRM, crafted from high-performance iglidur J350 material. Designed for medium to high temperatures, it operates effectively between +60°C and +150°C. This robust nut is dimensionally stable, certifiable for railway applications, and offers a good coefficient of friction at medium loads. Enjoy a lubrication-free and maintenance-free experience, ensuring durability in challenging environments. Ideal for applications requiring reliability and high performance.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	200 N

General properties

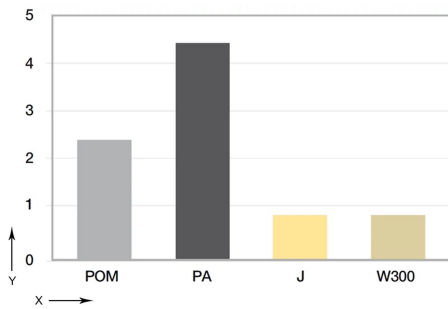
Thread direction	Right-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	2.4 g
With spanner flat	No

Dimensions

Thread size	TR06X2P1
Ø d1	6 mm
Ø d2	14 mm
b1	13 mm
Effective supporting surface	112 mm²



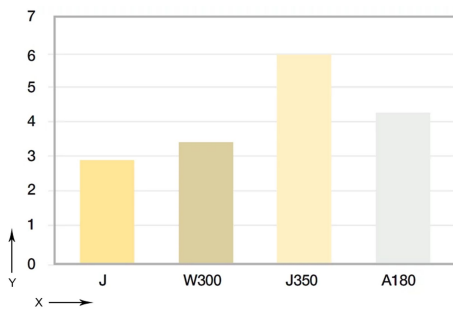
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

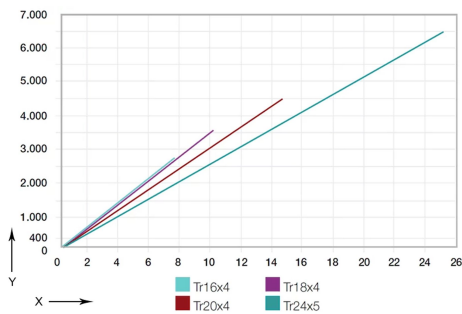


Wear test on a VA lead screw

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

x = Different materials

y = Wear [mg/km]



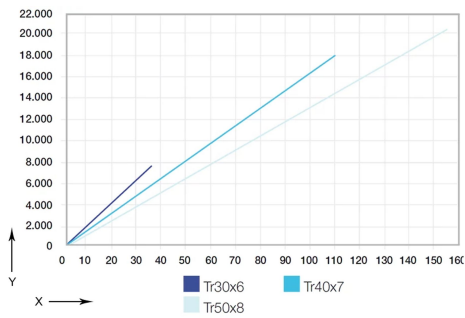
Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



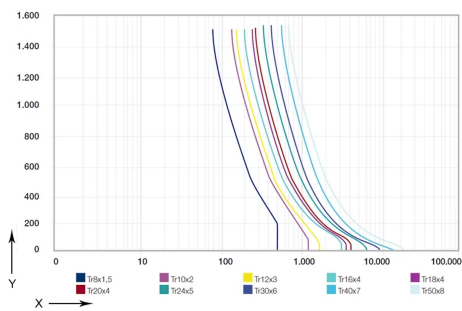


Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

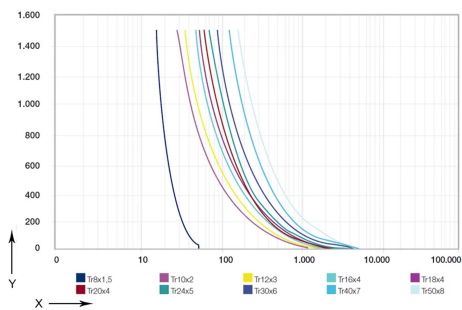
y = Load [N]



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]