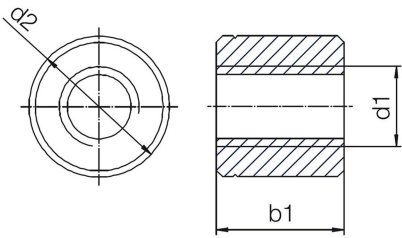


drylin® high helix lead screw nut, J350SRM
J350SRM-1413SG05X5



drylin® high helix lead screw nut, J350SRM

- Material: iglidur® J350
- Thread direction: Right-hand thread
- Thread type: High helix threads
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin® high helix lead screw nut, J350SRM, crafted from iglidur® J350, a high-performance polymer designed for high-temperature applications up to +150°C. This robust nut ensures dimensional stability and operates smoothly under medium loads without the need for lubrication. Its chemical resistance and durability make it ideal for challenging environments. Enjoy quiet, maintenance-free operation with the added assurance of compliance with EN 45545 HL3, R24. Perfect for reliable, long-term use.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	100 N

General properties

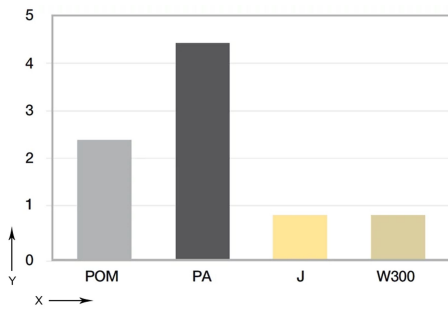
Thread direction	Right-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	2.51 g
With spanner flat	No

Dimensions

Thread size	SG05X5
Ø d1	5 mm
Ø d2	14 mm
b1	13 mm
Effective supporting surface	197 mm²



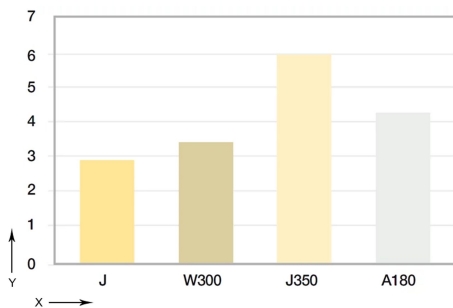
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

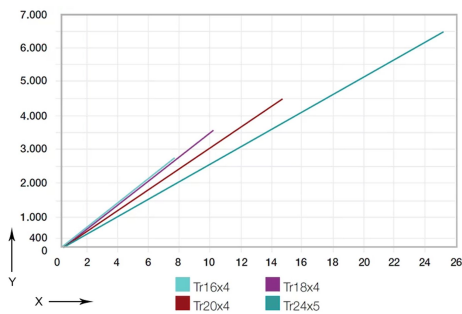


Wear test on a VA lead screw

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

x = Different materials

y = Wear [mg/km]



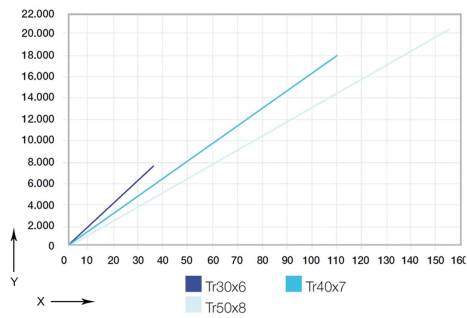
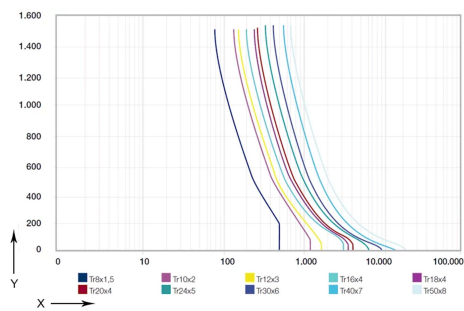
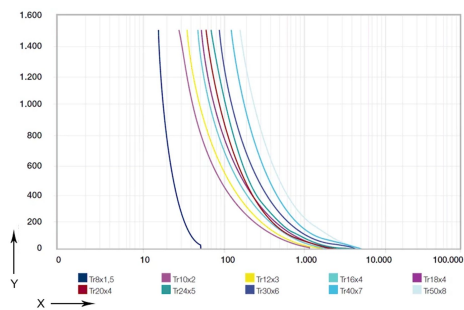
Required drive torque lead screw modules Ø16 to Ø24

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]