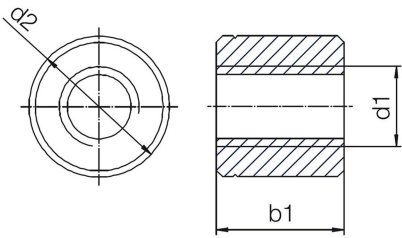


drylin® high helix lead screw nut, RSRM
RSRM-1413SG05X5



drylin® high helix lead screw nut, RSRM

- Material: iglidur® R
- 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, RSRM, crafted from iglidur R high-performance polymer. This nut is designed for medium to high speeds, providing excellent vibration dampening for a quiet and smooth operation. With high wear resistance and a temperature range up to +90°C, it ensures durability in various environments. Enjoy a lubrication-free and maintenance-free experience, making it the ideal choice for reliable performance in your applications.

Requirements

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

General properties

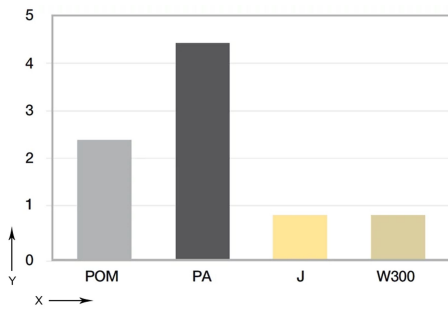
Thread direction	Right-hand thread
Thread type	High helix threads; higher pitch and movement speed
Weight	2.43 g
With spanner flat	No

Dimensions

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



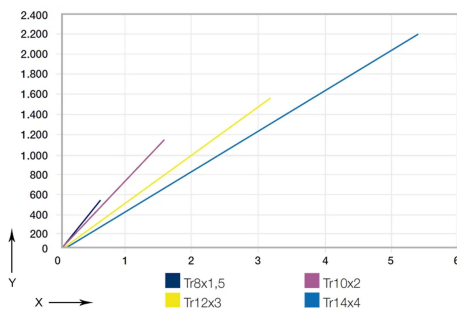
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

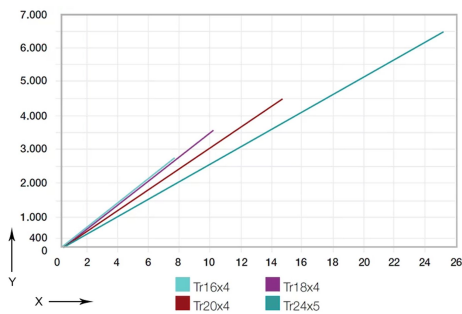


Required drive torque lead screw modules Ø8 to Ø14

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

x = Torque [Nm]

y = Load [N]



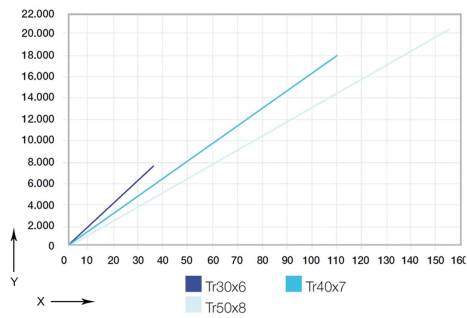
Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



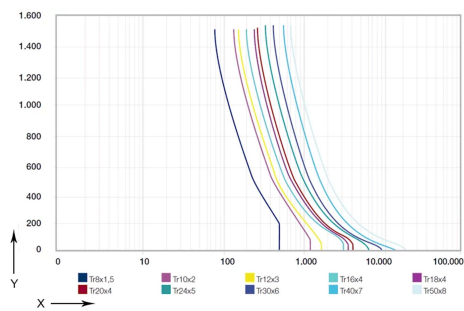


Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

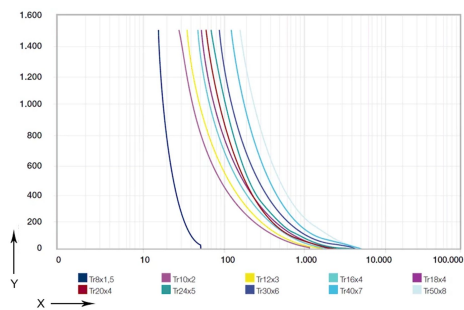
y = Load [N]



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]