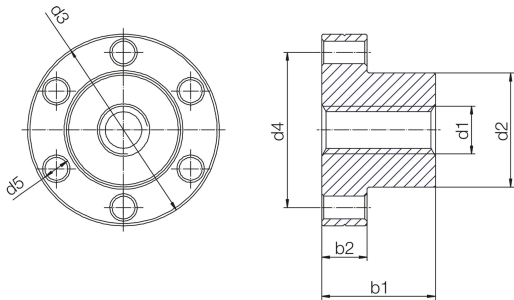


dryspin lead screw nut out of iglide J350 |
geometry: flange | metric thread | RH
J350FRM-0913M3



dryspin lead screw nut out of iglide J350 |
geometry: flange | metric thread | RH

- Material: iglide® J350
- Thread direction: Right-hand thread
- Thread type: metric thread
- Design: Standard
- Cylindrical lead screw nut with flange

Product description

Introducing the drylin® lead screw nut, J350SRM, crafted from high-performance iglidur® J350 material. Designed for durability, it withstands temperatures up to +150°C, making it ideal for medium to high ambient conditions. This lubrication-free, maintenance-free nut ensures quiet and vibration-free operation, while being chemical resistant and FDA compliant. Its robust design is perfect for various applications, including the railway industry, providing long-lasting performance even in challenging environments.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
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Thermal properties

Efficiency [η]	17-24
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General properties

Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
With spanner flat	No
Weight	10.6 g

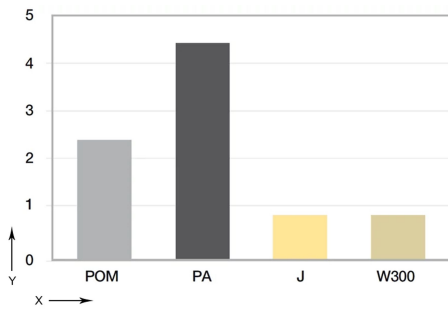


Dimensions

Thread size	M3
Ø d1	3 mm
Ø d2	9 mm
Ø d3	18 mm
Ø d4	15.2 mm
Ø d5	3.2 mm
b1	13 mm
b2	3 mm



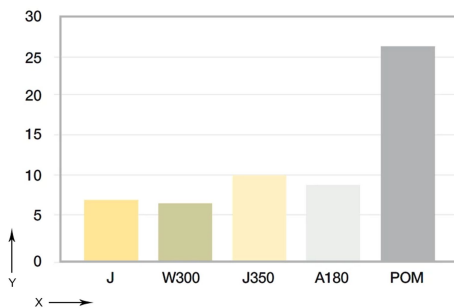
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

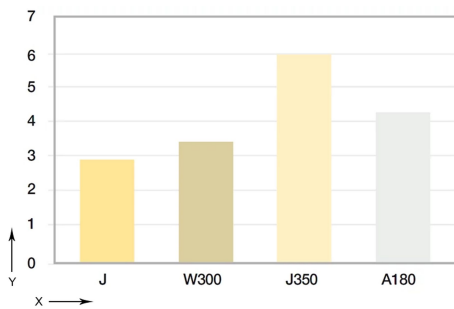


Wear test on C15 lead screw drive

Stroke 140 mm, 50 N, lead screw C15 rolled, 450 rpm

x = different materials

y = wear [mg/km]



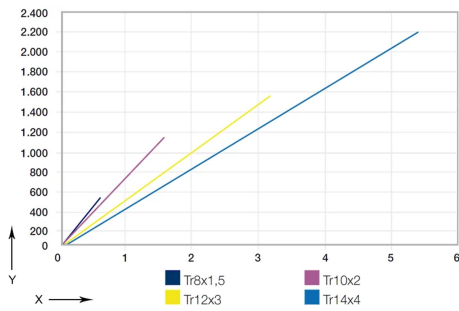
Wear test on a VA lead screw

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

x = different materials

y = wear [mg/km]



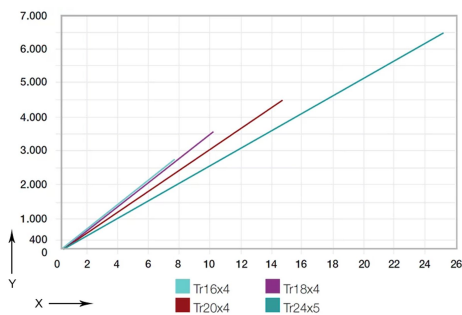


Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]

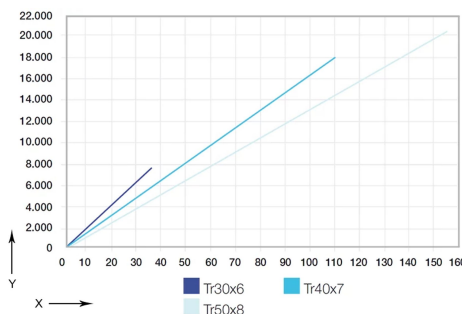


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



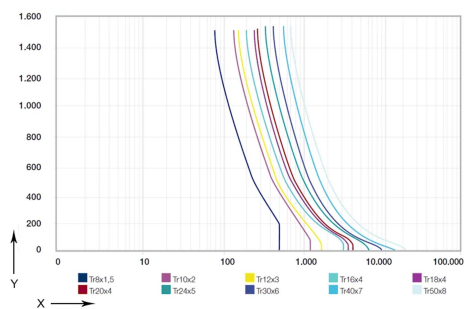
Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

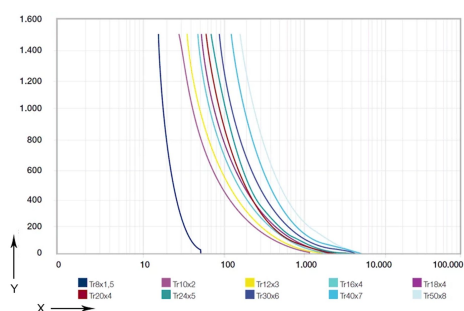
y = load [N]





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]