

drylin® lead screw nut, metric thread, JFRM
JFRM-0913M3



drylin® lead screw nut, metric thread, JFRM

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

Product description

Discover the drylin lead screw nut, crafted from high-performance iglidur J material. This cylindrical nut features a metric thread and is designed for efficiency at all speeds. Enjoy benefits like low friction, low wear rates, and quiet operation. It's durable, chemical-resistant, and operates in temperatures from -20°C to +150°C. With its lubrication-free and maintenance-free design, the drylin lead screw nut is perfect for a variety of applications. Experience reliable performance and long-lasting use today!

Requirements

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

Thermal properties

Efficiency [η]	17-26
----------------	-------

General properties

Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
With spanner flat	No
Weight	1.79 g

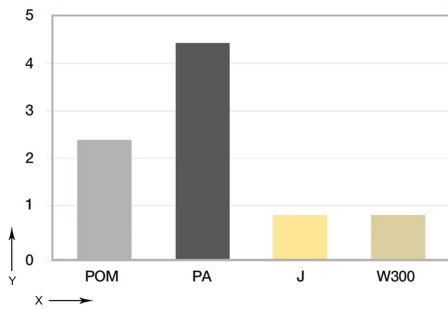


Dimensions

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



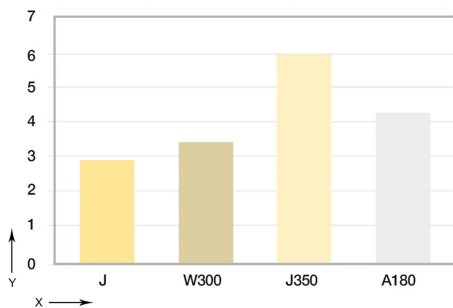
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

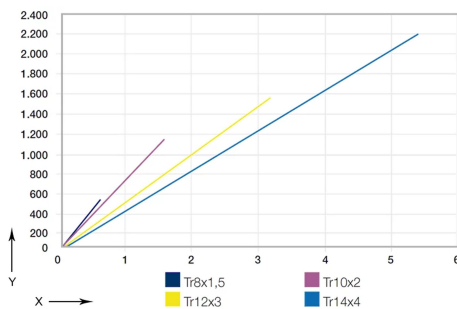


Wear test on a VA lead screw

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

x = different materials

y = wear [mg/km]



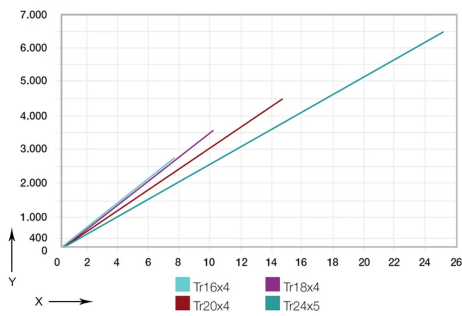
Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]



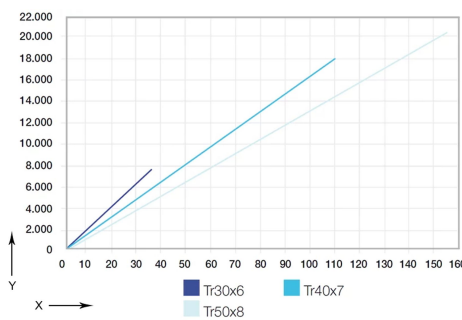


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]

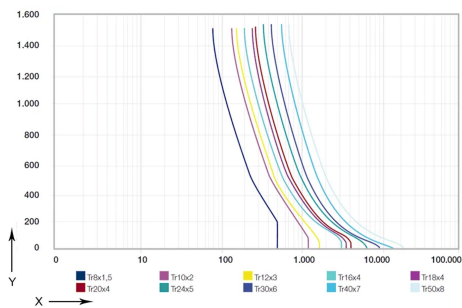


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

y = load [N]

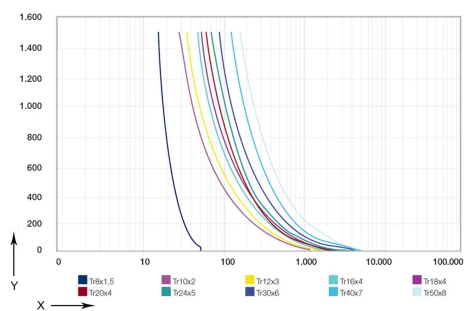


Maximum dynamic load for lead screw units with 10% ESD

x = load [N]

y = speed [rpm]





Maximum dynamic load for lead screw units with 100% ESD

x = load [N]

y = speed [rpm]