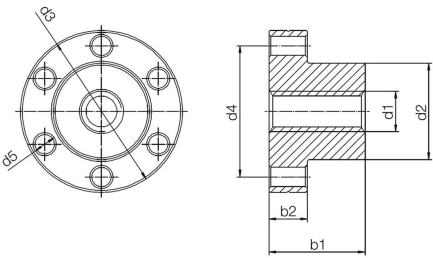


drylin® trapezoidal lead screw nut with flange,
J350FRM

J350FRM-6770TR36X6



drylin® trapezoidal lead screw nut with flange,
J350FRM

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

Product description

Introducing the drylin trapezoidal lead screw nut with flange, J350FRM, crafted from the high-performance iglidur J350 material. Designed for high-temperature applications, it operates efficiently between +60°C and +150°C. This durable, lubrication-free nut is dimensionally stable, ensuring reliable performance even in challenging environments. Ideal for the railway industry, it offers excellent wear resistance and a good coefficient of friction, making it a perfect choice for various applications.

Requirements

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

Efficiency [η]	19-33
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General properties

Thread direction	Right-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
With spanner flat	No
Weight	403.73 g

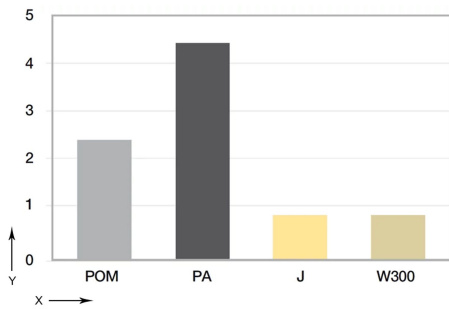


Dimensions

Thread size	TR36X6
Ø d1	36 mm
Ø d2	67 mm
Ø d3	95 mm
Ø d4	81 mm
Ø d5	7 mm
b1	70 mm
b2	25 mm



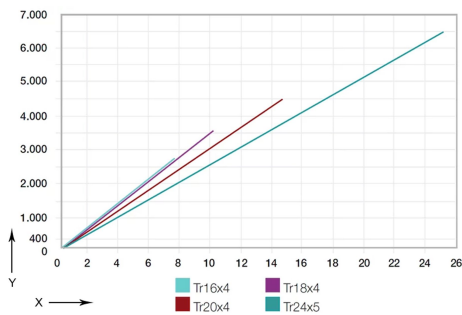
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

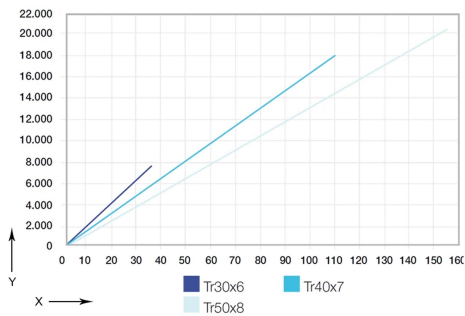


Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



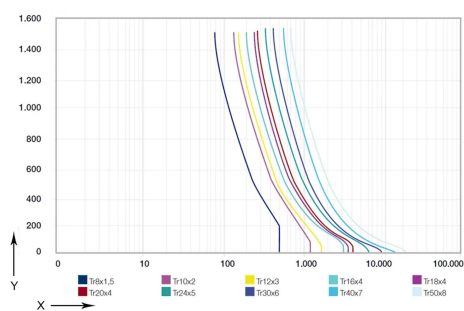
Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

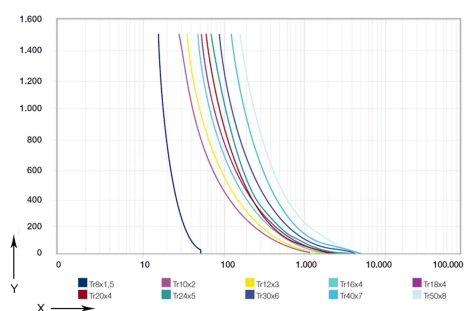
y = Load [N]





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]