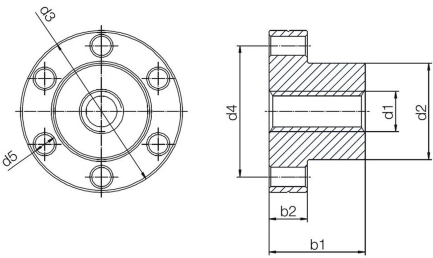


drylin® trapezoidal lead screw nut with flange,
JFLM

JFLM-2835TR18X4



drylin® trapezoidal lead screw nut with flange,
JFLM

- Material: iglide® J
- Thread direction: Left-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, JFLM by igus. Crafted from high-performance iglidur J polymer, this lead screw nut offers exceptional efficiency at all speeds. It features a low coefficient of friction for minimal wear and operates effectively in temperatures up to +90°C. Enjoy a lubrication-free, maintenance-free experience with durability in harsh environments. This robust design ensures quiet, vibration-free operation, making it the ideal choice for your applications.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
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Thermal properties

Efficiency [η]	19-33
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General properties

Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
With spanner flat	No
Weight	39.064 g

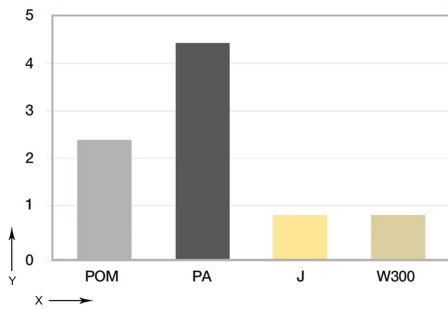


Dimensions

Thread size	TR18X4
Ø d1	18 mm
Ø d2	28 mm
Ø d3	48 mm
Ø d4	38 mm
Ø d5	6 mm
b1	35 mm
b2	12 mm



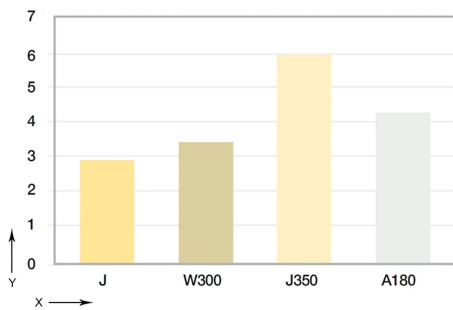
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

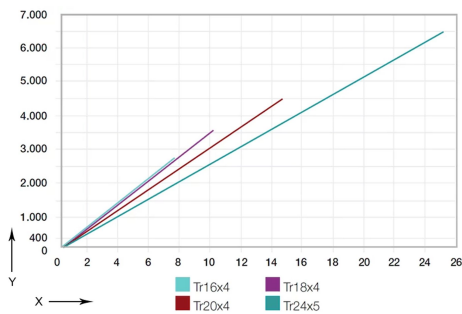


Wear test on a VA lead screw

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

x = Different materials

y = Wear [mg/km]



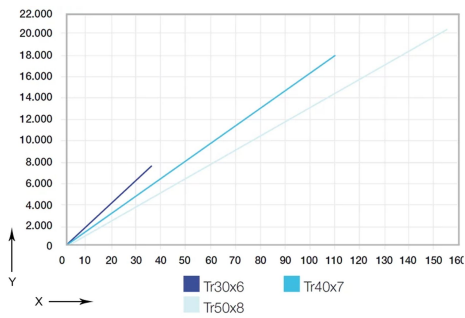
Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]



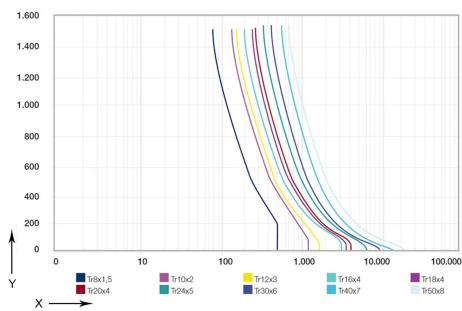


Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

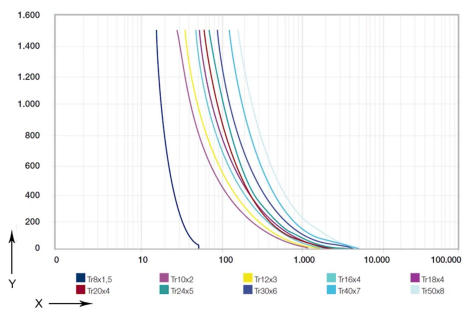
y = Load [N]



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]