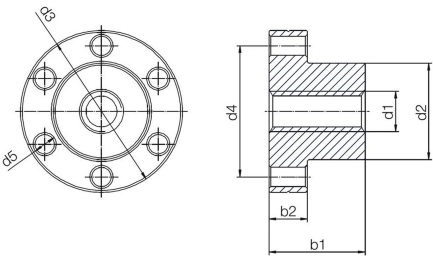


drylin® trapezoidal lead screw nut with flange,
WFLM

WFLM-6770TR36X6



drylin® trapezoidal lead screw nut with flange,
WFLM

- Material: iglide® L280
- 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, WFLM, crafted from high-performance iglidur W300 polymer. This robust nut is designed for heavy-duty applications, offering exceptional wear resistance under high loads. It operates smoothly at low speeds and withstands temperatures up to +90°C. Enjoy a maintenance-free experience with its lubrication-free design, ensuring quiet and vibration-free operation. Ideal for demanding environments, this durable lead screw nut is your reliable solution for efficiency and longevity.

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	347.66 g

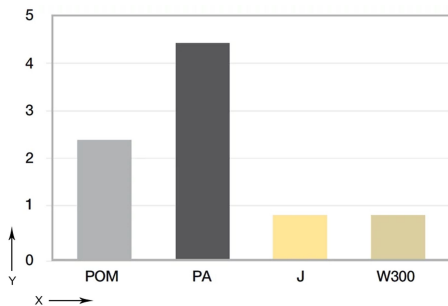


Dimensions

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



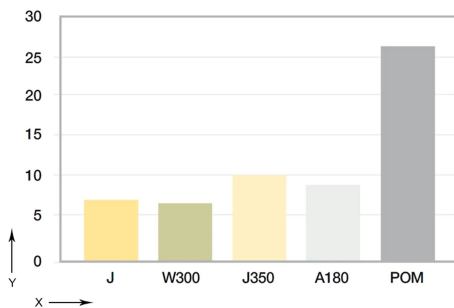
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials

y = Wear [mg/km]

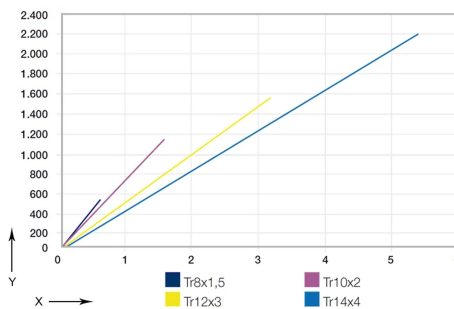


Wear test on C15 lead screw drive

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

x = Different materials

y = Wear [mg/km]



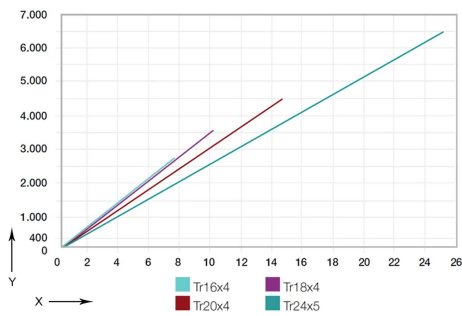
Required drive torque lead screw modules Ø8 to Ø14

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

x = Torque [Nm]

y = Load [N]



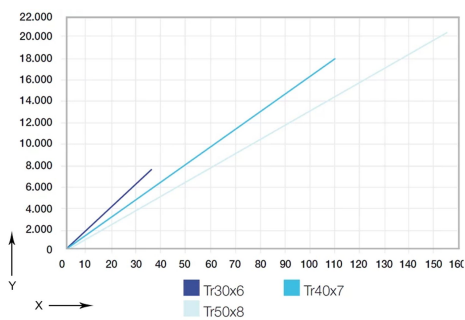


Required drive torque lead screw modules Ø16 to Ø24

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

x = Torque [Nm]

y = Load [N]

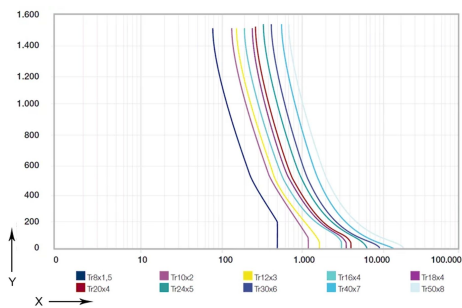


Required drive torque lead screw modules Ø30 to Ø50

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

x = Torque [Nm]

y = Load [N]

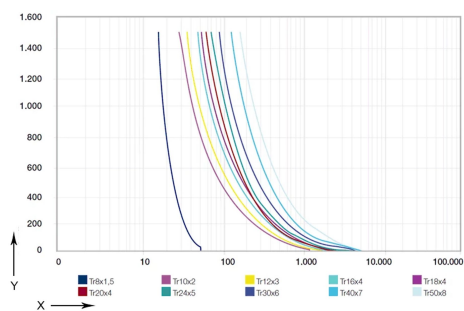


Maximum dynamic load for lead screw units with 10% ESD

x = load [N]

y = speed [rpm]





Maximum dynamic load for lead screw units with 100% ESD

x = load [N]

y = speed [rpm]