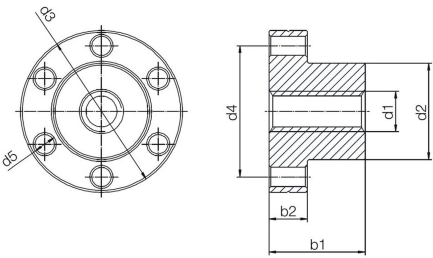


drylin® trapezoidal lead screw nut with flange,
RFLM, left-hand thread

RFLM-2525TR10X3



drylin® trapezoidal lead screw nut with flange,
RFLM, left-hand thread

- Material: iglide® R
- 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, RFLM, featuring a left-hand thread. Crafted from high-performance iglidur® R polymer, this nut excels in dampening vibrations, ensuring a quiet and low-noise operation. It boasts high wear resistance, making it ideal for medium to high speeds and suitable for temperatures up to +90°C. This durable, lubrication-free solution is perfect for various applications, providing reliability and performance you can trust.

Requirements

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

Efficiency [η]	23-32
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General properties

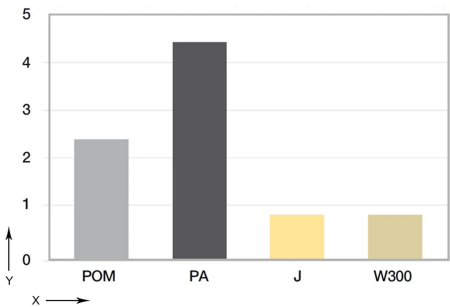
Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
With spanner flat	No
Weight	88.2 g



Dimensions

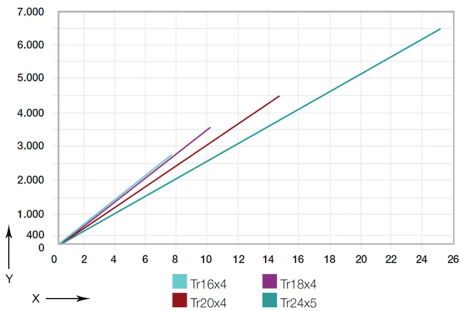
Thread size	TR10X3
Ø d1	10 mm
Ø d2	25 mm
Ø d3	42 mm
Ø d4	34 mm
Ø d5	5 mm
b2	10 mm

Additional information and diagrams



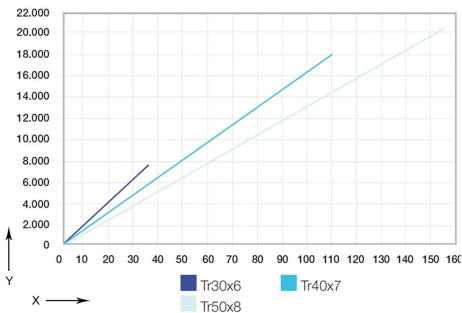
Wear test on a rolled trapezoidal lead screw

x = Different materials
y = Wear [mg/km]



Required drive torque lead screw modules Ø16 to Ø24

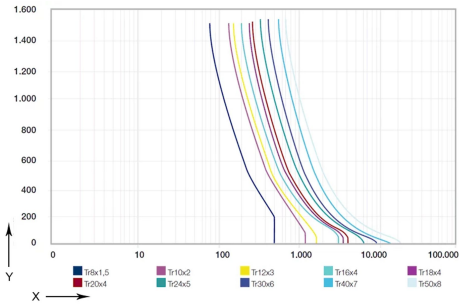
Assuming $\mu = 0.25$, without considering the lead screw supports
x = Torque [Nm]
y = Load [N]



Required drive torque lead screw modules Ø30 to Ø50

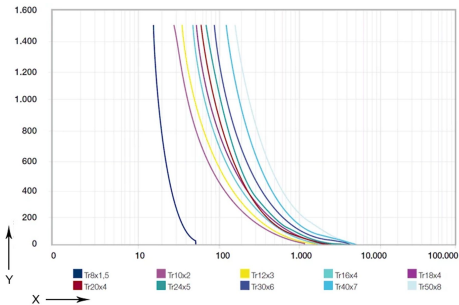
Assuming $\mu = 0.25$, without considering the lead screw supports
x = Torque [Nm]
y = Load [N]





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]