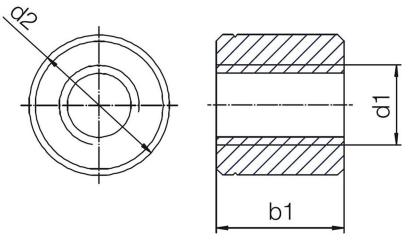


dryspin lead screw nut out of iglide W300 |
geometry: cylindrical with spanner flat | trapezoidal
thread | LH

WSLM-172220TR10X2



dryspin lead screw nut out of iglide W300 |
geometry: cylindrical with spanner flat |
trapezoidal thread | LH

- Material: iglidur® W300
- Thread direction: Left-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- With spanner flat
- Cylindrical lead screw nut with flange

Product description

Introducing the drylin® trapezoidal lead screw nut with spanner flats, WSLM, made from high-performance iglidur® W300 material. Designed for heavy-duty applications, it offers exceptional wear resistance and can withstand high loads. This lubrication-free and maintenance-free nut operates quietly and is robust in challenging environments. With a temperature range from -20°C to +150°C, it ensures reliable performance. Upgrade your machinery with this durable and efficient lead screw nut today.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	1414 N

General properties

Thread direction	Left-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	55.2 g
With spanner flat	Yes

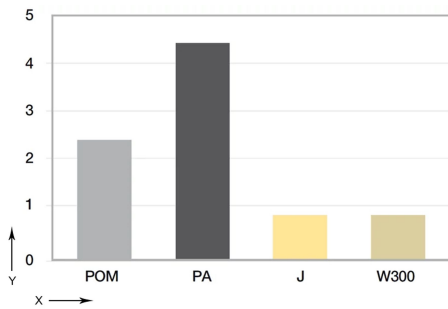


Dimensions

Thread size	TR10X2
Ø d1	10 mm
Ø d2	20 mm
b1	20 mm
Effective supporting surface	283 mm ²
SW	17 mm



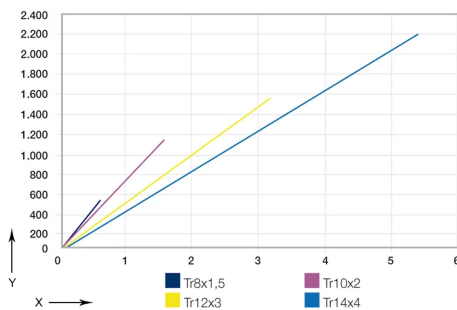
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

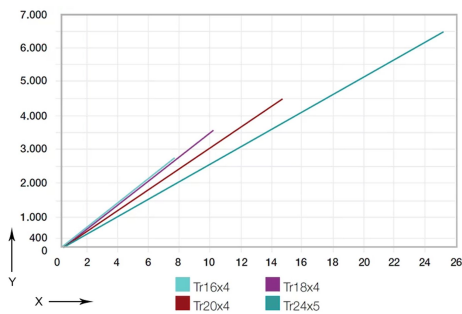


Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]



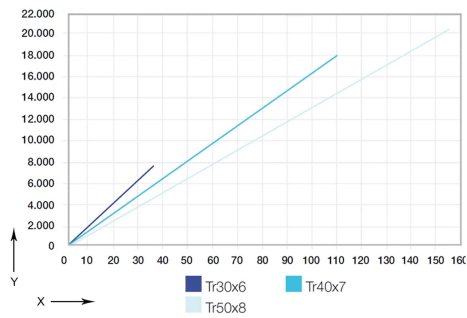
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



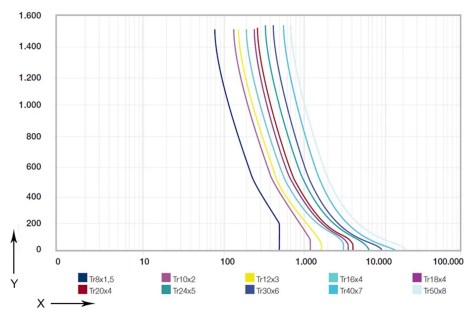


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

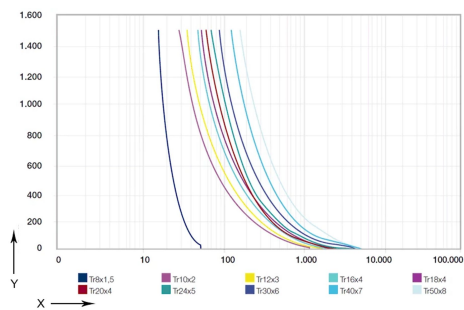
y = load [N]



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]