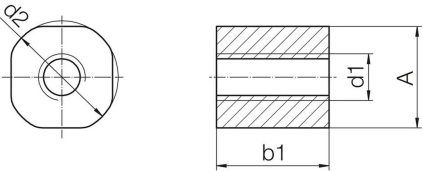


drylin® injection-moulded lead screw nuts,
cylindrical, thread cut, JSLM

JSLM-C-01-TR8X1.5



drylin® injection-moulded lead screw nuts,
cylindrical, thread cut, JSLM

- Material: iglidur® J
- Thread direction: Left-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- Cylindrical lead screw nut

Product description

Introducing the drylin injection-moulded lead screw nut, cylindrical, thread cut, JSLM from igus. Made from high-performance iglidur J polymer, this lead screw nut offers exceptional efficiency at all speeds. It features a low coefficient of friction for reduced wear, operates in temperatures up to +90°C, and is 100% lubrication-free. Designed for durability, it is chemical resistant and ideal for various applications. Experience quiet, vibration-free travel with this robust and reliable component.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	500 N

General properties

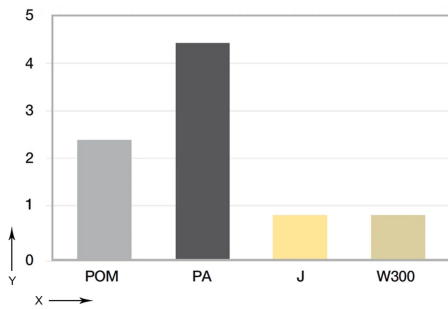
Thread direction	Left-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	7.448 g
With spanner flat	No

Dimensions

Thread size	TR08X1.5
Ø d1	8 mm
Ø d2	20 mm
b1	20 mm
Effective supporting surface	228 mm²



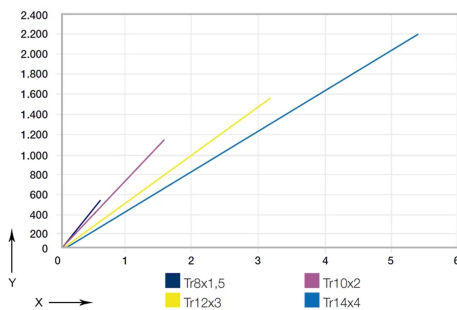
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

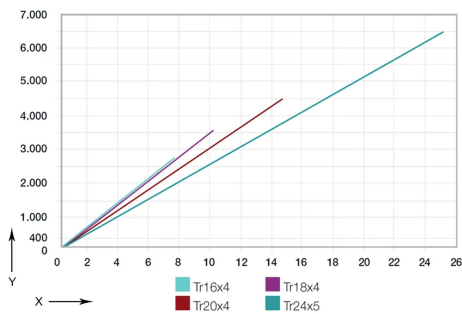


Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]



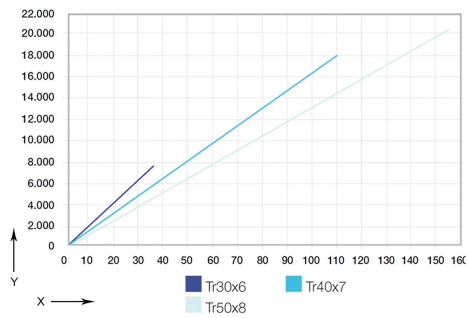
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



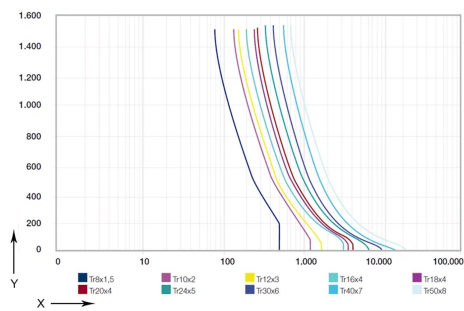


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

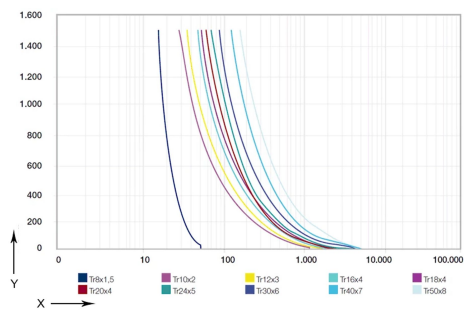
y = load [N]



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]