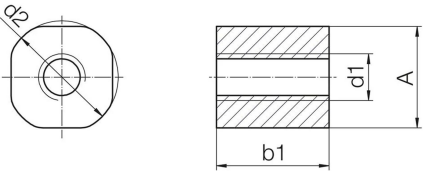


drylin® injection-moulded lead screw nuts,
cylindrical, thread cut, JSRM

JSRM-C-01-TR8X1.5



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

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

Product description

Introducing the drylin injection-moulded lead screw nut, part of the JSRM series by igus. Crafted from high-performance iglidur J polymer, this cylindrical lead screw nut offers exceptional efficiency at all speeds. Enjoy a low coefficient of friction for reduced wear, and a robust design that withstands temperatures up to +90°C. Experience maintenance-free operation, chemical resistance, and quiet performance, making it the ideal choice for diverse applications. Upgrade your systems with reliable, durable technology.

Requirements

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

General properties

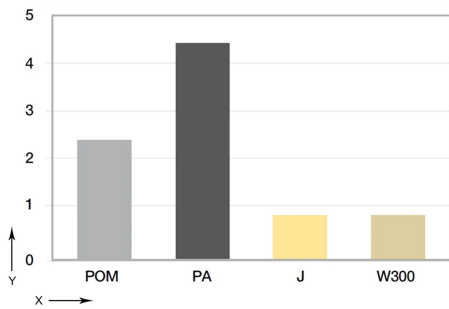
Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	7 g
With spanner flat	No

Dimensions

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



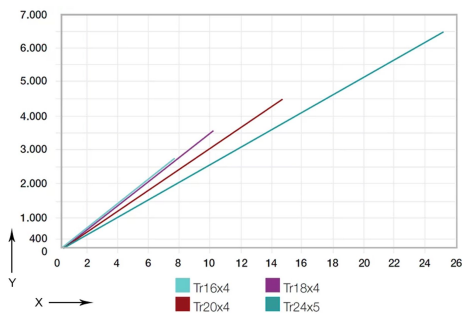
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

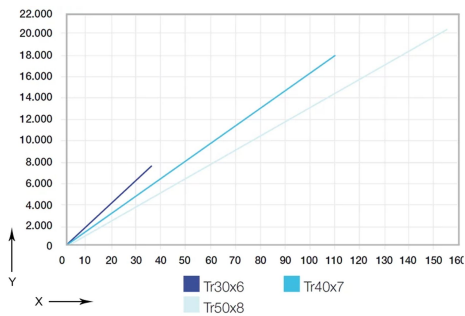


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



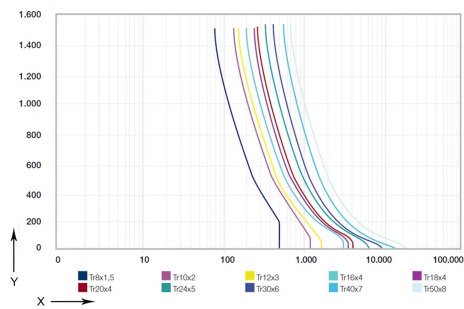
Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

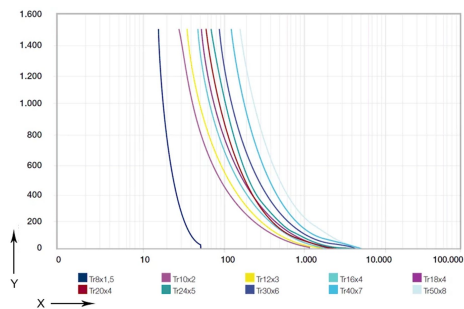
y = load [N]





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]