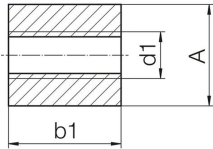


drylin® injection-moulded lead screw nuts,
cylindrical, multi start, thread cut, JSRM

JSRM-C-01-TR10X4P2



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

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

Product description

Introducing the drylin injection-moulded lead screw nut from igus, crafted from high-performance iglidur J polymer. This cylindrical, multi-start nut offers high efficiency across various speeds and operates without lubrication, ensuring low wear and maintenance-free use. With a temperature range of -20°C to +90°C, it's durable, chemical-resistant, and ideal for demanding environments. Experience quiet, vibration-free operation with this reliable solution for your lead screw applications.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
Max. axial static pressure load	1106 N

General properties

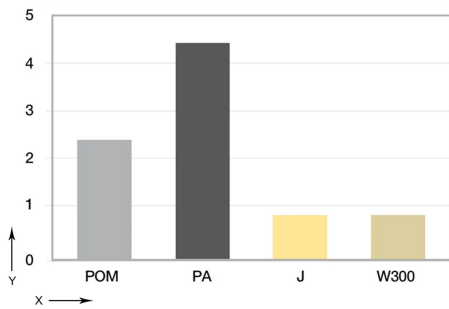
Thread direction	Right-hand thread
Thread type	Metric thread; standard for highest compatibility
Weight	7.448 g
With spanner flat	No

Dimensions

Thread size	TR10X4P2
Ø d1	10 mm
Ø d2	20 mm
b1	20 mm
Effective supporting surface	325 mm²



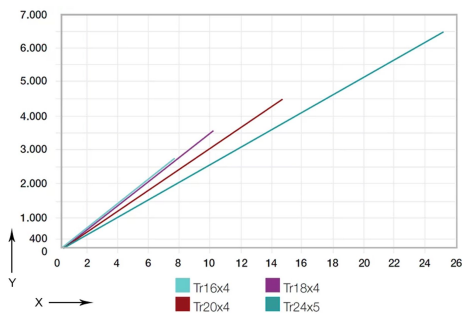
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

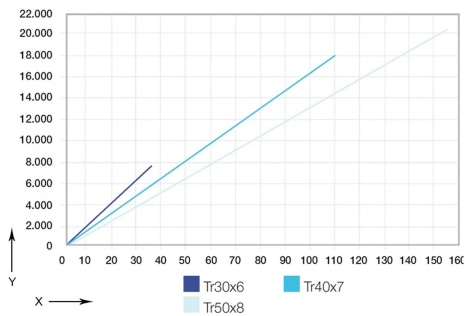


Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



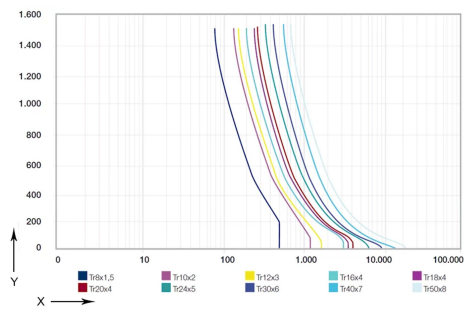
Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

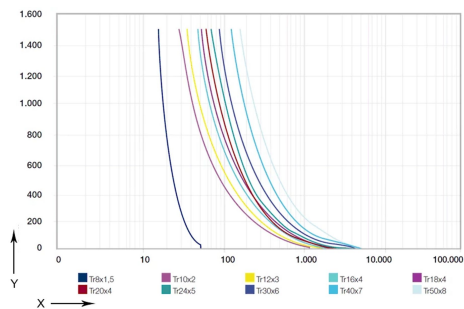
y = load [N]





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]