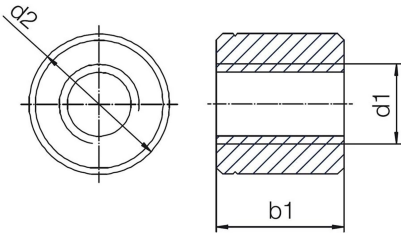


drylin® trapezoidal lead screw nut with spanner flats, JSRM

JSRM-192624TR12X3



drylin® trapezoidal lead screw nut with spanner flats, JSRM

- Material: iglidur® J
- Thread direction: Right-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 from igus. Crafted from high-performance iglidur J material, this lead screw nut offers exceptional efficiency across all speeds. Enjoy its low friction and wear rates, ensuring durability in demanding environments. With a temperature range of -20°C to +150°C, it is both lubrication-free and maintenance-free. Experience quiet, vibration-free operation and robust performance with this versatile and reliable solution for your applications.

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	No
Max. axial static pressure load	1583 N

General properties

Thread direction	Right-hand thread
Thread type	Trapezoidal threads; absorption of larger axial forces
Weight	12.29 g
With spanner flat	Yes

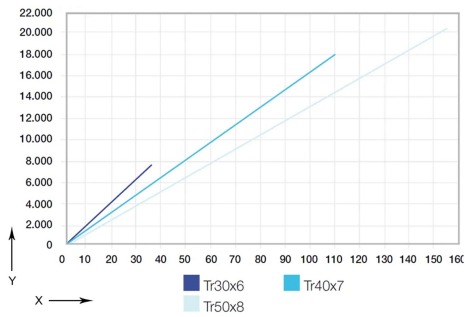


Dimensions

Thread size	TR12X3
Ø d1	12 mm
Ø d2	26 mm
b1	24 mm
Effective supporting surface	396 mm²
SW	19 mm



Additional information and diagrams

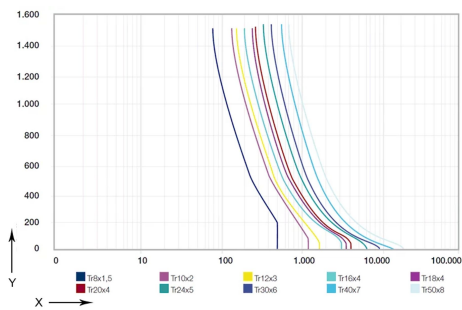


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

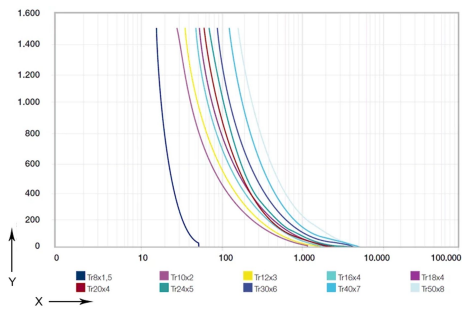
y = load [N]



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]