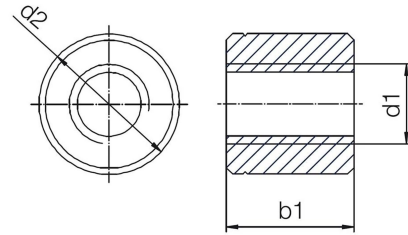


drylin® trapezoidal lead screw nut, anti-backlash,
JSRM

JSRM-AB-2220-TR8X1.5



drylin® trapezoidal lead screw nut, anti-backlash, JSRM

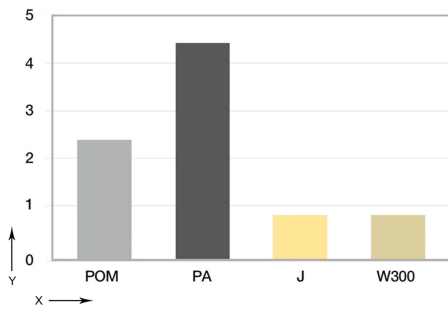
- Material: iglide® J
- Thread direction: Right-hand thread
- Thread type: Trapezoidal threads
- Design: Standard
- Cylindrical lead screw nut
- Anti-backlash

Product description

Introducing the drylin trapezoidal lead screw nut, anti-backlash, JSRM by igus. Crafted from high-performance iglidur J polymer, this lead screw nut ensures high efficiency at all speeds. It is lubrication-free, maintenance-free, and designed for durability in challenging environments. With low wear rates and a temperature range of -20°C to +150°C, it provides reliable performance. Experience smooth, quiet operation with this robust solution for your lead screw technology needs.



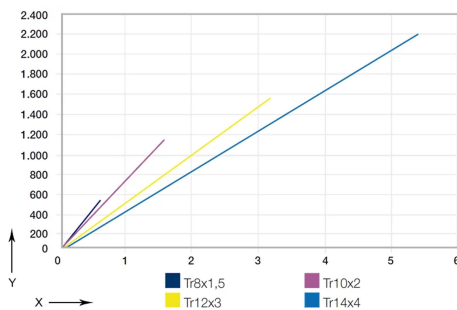
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = different materials

y = wear [mg/km]

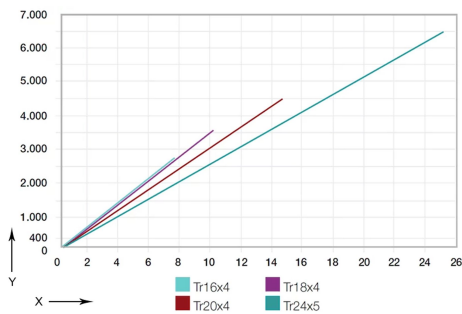


Required drive torque lead screw modules Ø8 to Ø14

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

x = torque [Nm]

y = load [N]



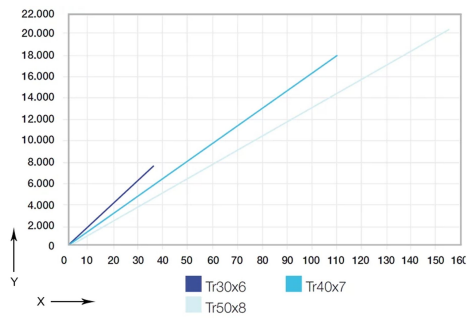
Required drive torque lead screw modules Ø16 to Ø24

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

x = torque [Nm]

y = load [N]



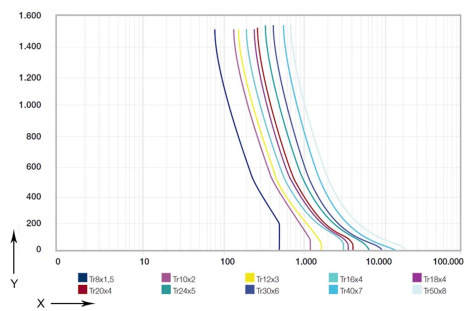


Required drive torque lead screw modules Ø30 to Ø50

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

x = torque [Nm]

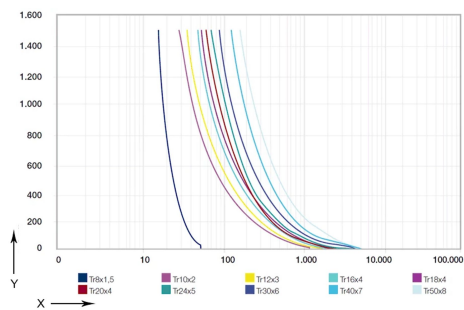
y = load [N]



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]