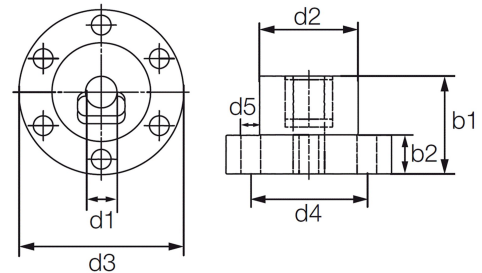


drylin® trapezoidal lead screw nut with flange, anti-backlash, RFRM

RFRM-AB-2525-TR10X3



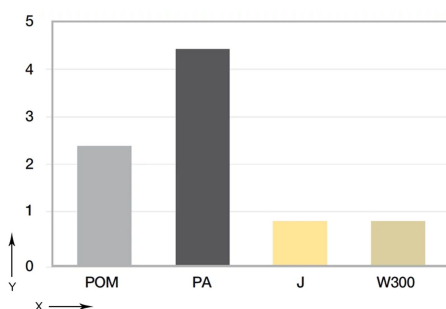
drylin® trapezoidal lead screw nut with flange, anti-backlash, RFRM

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

Product description

Introducing the drylin trapezoidal lead screw nut with flange from igus, designed for precision and stability. This anti-backlash nut minimizes unwanted axial movement, ensuring optimal performance in your applications. Made from durable iglide R material, it features a right-hand thread and a standard cylindrical design. Perfect for reducing vibrations, this lead screw nut enhances operational smoothness, making it an ideal choice for precise positioning tasks. Experience reliability and efficiency with igus.

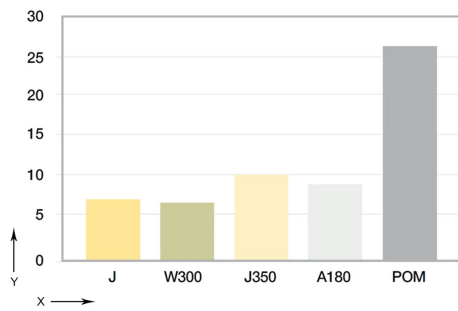
Additional information and diagrams



Wear test on a rolled trapezoidal lead screw

x = Different materials
y = Wear [mg/km]

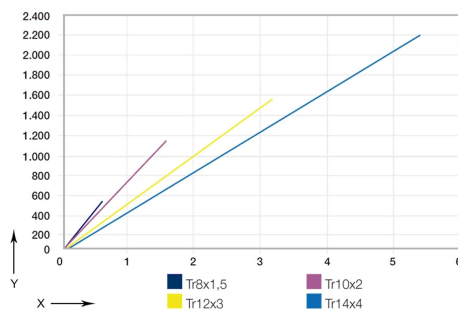


**Wear test on C15 lead screw drive**

Stroke 140 mm, 50 N, lead screw C15 rolled, 450 rpm

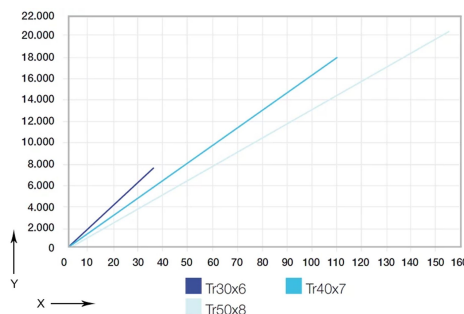
x = Different materials

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]

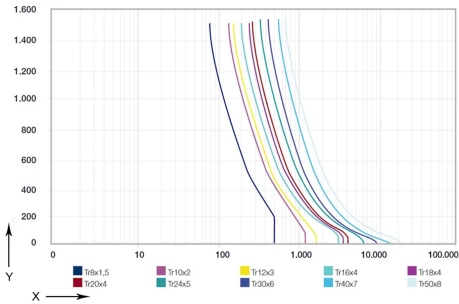
y = Load [N]

**Required drive torque lead screw modules Ø30 to Ø50**Assuming $\mu = 0.25$, without considering the lead screw supports

x = Torque [Nm]

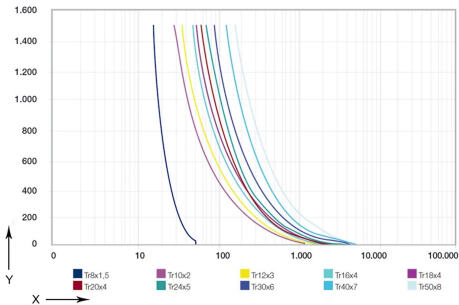
y = Load [N]





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]