

比較体感展示：ボールねじ & すべりねじ

Comparative exhibit : Ball Screw & Screw



開発の狙い Aims of Development

ボールねじの効率の良さと滑らかさを体感可能

Comparative exhibit to experience high efficiency and smoothness of the ball screw

製品の概要と特長(構造・原理) Products Overview and Features (Structure and Principle)

「トルク×荷重」変換式

Formula for converting torque to force

$$F_{out} = \frac{2\pi \times T_{in}}{\ell} \times \eta$$

- η : 効率 Efficiency [%]
- ℓ : リード Lead [mm]
- T_{in} : 入力トルク Input torque [Nmm]
- F_{out} : 出力荷重 Output force [N]

T_{in}

