

Inquiry form for ball screw service life calculation

Contact

Company

Street

ZIP City

Name

Telephone

Telefax

E-mail

Date

1. Installation position

Horizontal
 Vertical
 Slanting _____ °

2. Load data

Mass to be moved [kg] m1 = _____ m2 = _____ m3 = _____ m4 = _____

Load [N] F1 = _____ F2 = _____ F3 = _____ F4 = _____

Speed [1/min] n1 = _____ n2 = _____ n3 = _____ n4 = _____

Acceleration [m/sxs] a1 = _____ a2 = _____ a3 = _____ a4 = _____

Travel distance [mm] s1 = _____ s2 = _____ s3 = _____ s4 = _____

If time is specified:

Time [%] t1 = _____ t2 = _____ t3 = _____ t4 = _____

3. Data of the ball screw

Nominal diameter [mm] Lead [mm] Travel distance [mm] Free spindle length [mm]

Type of nut: Single nut Double nut

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4. Type of bearing

Fixed - free Floating - floating Fixed - floating Fixed - fixed

Operating temperature [° C] min. _____ max. _____

5. Cycle data

Shift operation 1-shift 2-shift 3-shift

Required service life: Cycles _____ Years _____

Remarks