

D

HIWIN Ballscrew Data Inquiry (A)

Company _____ Date _____
 Address _____
 Telephone _____ Fax. _____
 Machine Type _____ Application _____
 Attached Drawing Yes _____ (Drawing No. _____) No. _____
 Please fill or check following items.

1. Load Condition

(a) Working Axial Load

Max. _____ kgf , at _____ rpm for _____ % of operation time

Normal. _____ kgf , at _____ rpm for _____ % of operation time

Min. _____ kgf , at _____ rpm for _____ % of operation time

(Total of operation time ratio should be 100%)

(b) Max. Axial Static Load _____ kgf

(c) Deviated Load, if any (Please avoid this load condition, if possible)

Radial Load _____ kgf Moment Load _____ kgf-cm

2. Operation Conditions

(a) Stroke _____ mm , Motor power used _____ kw

(b) Life Expectancy _____ x10⁶ revs, _____ km, _____ hr

(c) Rotation Shaft _____ Nut _____

(d) Mounting Method _____ Mounting Span _____ mm

(e) Shock/Vibration: Smooth _____ Normal _____ Vibration _____

3. Main Dimensions

(a) Screw Shaft O.D. _____ mm Turning Direction: R _____ L _____

(b) Lead _____ mm (Pitch _____ mm) No. of Starts _____

(c) Total Length _____ mm Effective Threaded Length _____ mm

(d) Nut Type _____ Seal _____

(e) Support Bearing: Ball _____ Roller _____

4. Lead Accuracy, Axial Clearance, Preload and Stiffness

(a) Target Point of Accumulated Lead Tp: _____ mm

(b) Accuracy Grade _____ (Lead Deviation: _____ mm/300mm)

(c) Axial play _____ mm max.

(d) Preload _____ kgf (or Drag Torque _____ kgf-cm)

(e) Nut Stiffness Kn _____ kgf/ μ m

5. Other Conditions

(a) Lubrication: Grease _____ Oil _____

(b) Ambient Temperature _____ °C °F

(c) Special Conditions _____

E

HIWIN Ballscrew Request Form (B)

Request for quotation

Customer Name: _____ Date: _____
 Address: _____ Phone: _____
 _____ Country: _____
 Desired Delivery Date: _____ Delivery Point: _____
 Type of Ball Screw: (1) _____ Quantity: _____
 (2) _____ Quantity: _____

Required Specifications:

- (1) Single Start Double Start Triple Start Four Start
 (2) Direction of Turn: Right Left
 (3) Shaft Diameter: _____
 (4) Lead: _____
 (5) Circuit: _____
 (6) Nut Type: _____
 (7) Internal External Endcap
 (8) Thread Length: _____
 (9) Overall Length: _____
 (10) Accuracy Grade: _____
 (Lead Deviation: _____ mm/300mm)
 (11) Speed: _____ rpm
 (12) Rolled Ground
 * Please refer to HIWIN catalog P.36 for nut information.

Customer Special Requirement

● Please answer the following questions.

Your kind answers would be very helpful in preparing quotation promptly.

- (a) In what kind of application is this ballscrew used ?
- (b) Is this ballscrew used for the X, Y, or Z axis? Vertically or horizontally ?
- (c) How many ballscrews are needed for each machine and what is the annual requirement ?
- (d) If this is not a new project, whose ballscrews are you using currently ?