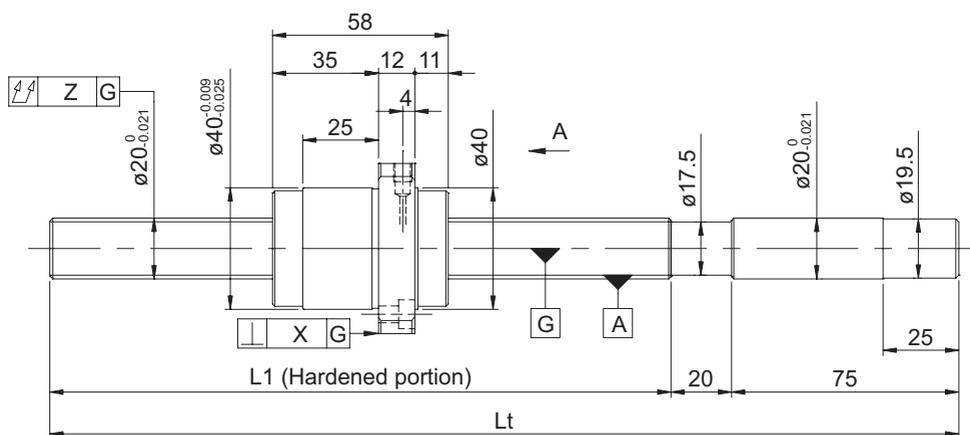
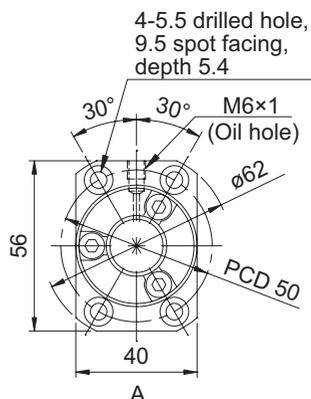


Ball screw specifications

Shaft diameter (mm) - Lead (mm)	20 - 60
Number of circuits / Thread direction	0.67 turns 3 circuits (3 threads) / Right-hand
Ball diameter (mm)	3.175
Root diameter (mm)	17.5
Series	HG
Basic dynamic load rating C (N)	6800
Basic static load rating C0 (N)	12100
Accuracy grade / Axial clearance symbol	C5 / H
Axial clearance (mm)	0.010 or less
Preload torque (N·cm)	---
Spacer ball	None
Recirculation system	End cap method
Wiper	None
Lubricant	Alvania Grease S2



Model No. (Unfinished shaft ends)	Screw shaft length		Maximum stroke (L1 - nut length)	Lead accuracy		
	L1	Lt		$\pm E_c$	e_c	e_{300}
HG2060QS-BEZR-1000A	905	1000	847	0.040	0.027	0.018
HG2060QS-BEZR-1500A	1405	1500	1347	0.054	0.035	

- At the time of delivery, grease is inserted inside of the nut, with rust-preventive oil also applied. Before and during use, apply lubricant where appropriate.

Shaft end finish type

Standard precision ball screws are available with KURODA's recommended shaft end finish types for each size.

Other than KURODA's recommended shaft end finish types described below, additional machining including keyways, tapped holes, and D-cut processing are also available if requested. Please contact KURODA with your orders. Model examples for finished shaft ends are described below.

Model example: Unfinished shaft ends (See left figure) → Finished shaft ends

HG2060QS-BEZR-1500A → HG2060QS-BEZR-1500X1393-C5H

→ Thread length
→ Overall screw shaft length

Supported end	Fixed end
Applicable supported end support unit	Applicable fixed end support unit
BUK-15S (Square type)	BUK-15, BUK-15F (Square type)
BUM-15S (Round type)	BUM-15, BUM-15F (Round type)

Optional specifications

- Anticorrosive black coating (coating thickness: 1 to 2 μm) is available.

Accuracy of each part					Preload torque (N·cm)	Mass (kg)
X	Y	Z	U	V		
0.011	0.015	0.120	0.012	0.005	---	2.87
		0.190				