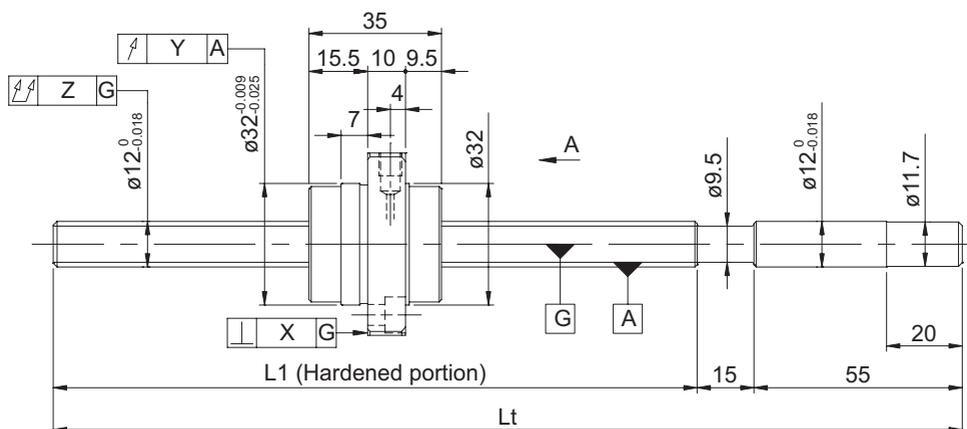
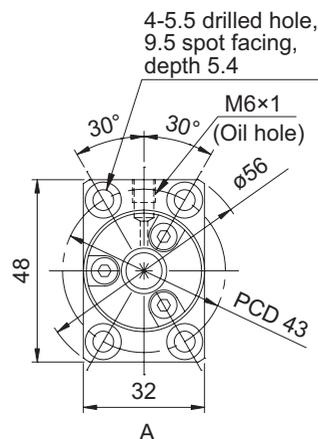


## HG series (Accuracy grade C5)

### Ball screw specifications

Shaft diameter (mm) - Lead (mm)	12 - 30
Number of circuits / Thread direction	0.67 turns 3 circuits (3 threads) / Right-hand
Ball diameter (mm)	3.175
Root diameter (mm)	9.5
Series	HG
Basic dynamic load rating C (N)	4800
Basic static load rating C0 (N)	6650
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		$\pm E_c$	$e_c$	$e_{300}$
HG1230QS-BEZR-0500A	430	500	395	0.027	0.020	0.018
HG1230QS-BEZR-0800A	730	800	695	0.035	0.025	

- 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.

## Screw shaft diameter $\phi 12$ , Lead 30

### 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

HG1230QS-BEZR-0800A → HG1230QS-BEZR-0800X0720-C5H

Thread length  
Overall screw shaft length

Supported end	Fixed end
Applicable supported end support unit	Applicable fixed end support unit
BUK-8S (Square type)	BUK-10, BUK-10F (Square type)
BUM-8S (Round type)	BUM-10, BUM-10F (Round type)

### Optional specifications

- Anticorrosive black coating (coating thickness: 1 to 2  $\mu\text{m}$ ) is available.

Accuracy of each part					Preload torque (N·cm)	Mass (kg)
X	Y	Z	U	V		
0.010	0.012	0.080	0.011	0.005	---	0.62
		0.090				0.85