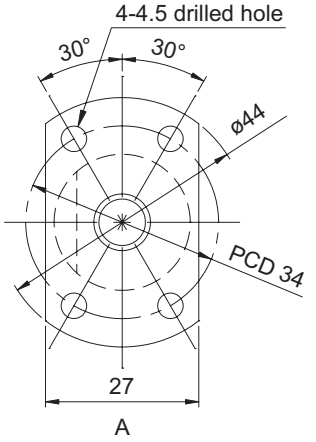
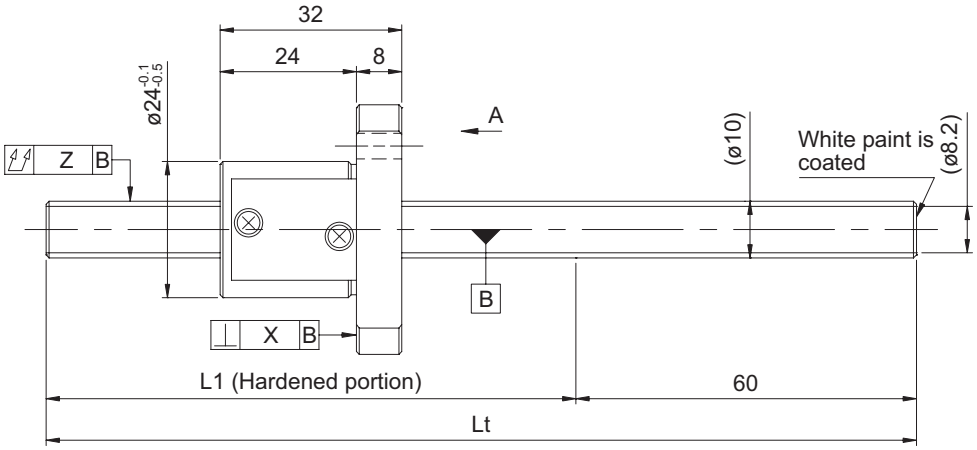
Screw shaft diameter ø10

● Ball screw specifications

Shaft diameter (mm) - Lead (mm)	10 - 2.5	
Number of circuits / Thread direction	3.5 turns 1 circuit / Right-hand	
Ball diameter (mm)	2.000	
Root diameter (mm)	8.2	
Series	GW	GY
Basic dynamic load rating C (N)	2600	
Basic static load rating C0 (N)	5200	
Accuracy grade / Axial clearance symbol	C7 / Y	C10 / Y
Axial clearance (mm)	0.030 or less	0.050 or less
Preload torque (N·cm)	----	
Recirculation system	Guide plate method	
Wiper	None	
Lubricant	Alvania Grease S2	
Phosphate coating	Nut alone	Screw shaft, nut





Model No. (Unfinished shaft ends)	L1	Lt	Maximum stroke (L1 - nut length)
GW102FGS-HGNR-0400A	340	400	308
GW102FGS-HGNR-0600A	540	600	508
GY102FGS-HGNR-0400A	340	400	308
GY102FGS-HGNR-0600A	540	600	508

• 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

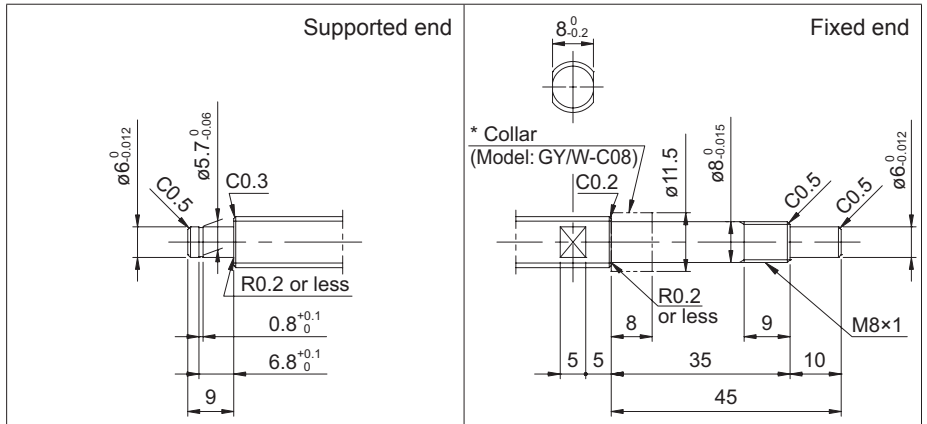
Standard rolled ball screws are available with KURODA's recommended shaft end finish types for each size.

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

GY102FGS-HGNR-0600A → GY102FGS-HGNR-0585X0531-CAY

0585: Thread length
0531: Overall screw shaft length



Applicable supported end support unit	Applicable fixed end support unit
BUK-6S (Square type)	BUK-8, BUK-8F (Square type)
BUM-6S (Round type)	BUM-8, BUM-8F (Round type)

● Optional specifications

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

Lead accuracy	Accuracy of each part		Mass
Cumulative lead error	X	Z	(kg)
0.05/300	0.020	0.080	0.41
		0.120	0.53
0.21/300	---	0.150	0.41
		0.240	0.53