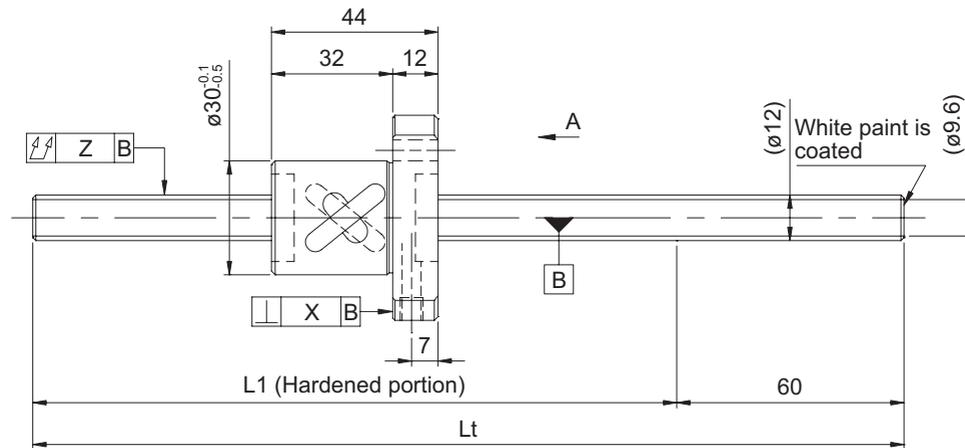
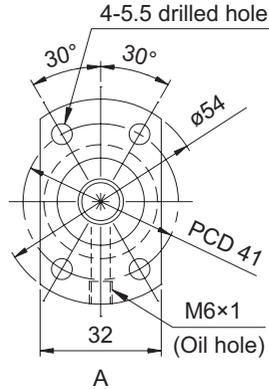


GW series (Accuracy grade C7) / GY series (Accuracy grade C10)

● Ball screw specifications

Nominal diameter (mm) - Lead (mm)	12 - 10	
Number of circuits / Thread direction	1.5 turns 2 circuits / Right-hand	
Ball diameter (mm)	3.175	
Root diameter (mm)	9.6	
Series	GW	GY
Basic dynamic load rating C (N)	5100	
Basic static load rating C ₀ (N)	9900	
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	Tube method	
Wiper	Lip seal	
Lubricant	Alvania Grease S2	
Phosphate coating	Nut alone	Screw shaft, nut



Model No. (Unfinished shaft ends)	L1	Lt	Maximum stroke (L1 - nut length)
GW1210BS-HULR-0400A	340	400	296
GW1210BS-HULR-0800A	740	800	696
GY1210BS-HULR-0400A	340	400	296
GY1210BS-HULR-0800A	740	800	696

• 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.

Nominal diameter ø12, Lead 10 (Round nut)

● 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

GY1210BS-HULR-0800A → GY1210BS-HULR-0795X0730-CAY
 ↳ Thread length
 ↳ Overall screw shaft length

Supported end	Fixed end
Applicable supported end support unit	Applicable fixed end support unit
BUK-8S (Square type) See E-18	BUK-10, BUK-10F (Square type) See E-16
BUM-8S (Round type) See E-22	BUM-10, BUM-10F (Round type) See E-20

● Optional specifications

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

Lead accuracy	Accuracy of each part		Mass (kg)
	X	Z	
0.05/300	0.020	0.080	0.62
		0.200	0.98
0.21/300	---	0.150	0.62
		0.320	0.98