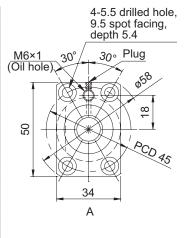
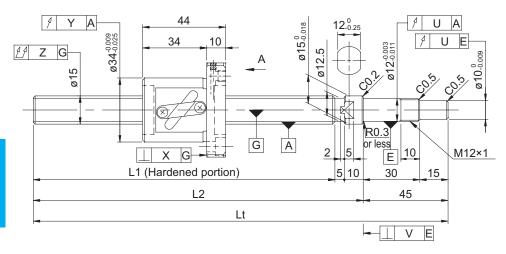
• Ball screw specifications

Shaft diameter (mm) - Lead (mm)	15 - 5						
Number of circuits /	2.5 turns 1 circuit /						
Thread direction	Right-hand						
Ball diameter (mm)	3.175						
Root diameter (mm)	12.5						
Series	GP						
Basic dynamic load rating C (N)	4340	6900					
Basic static load rating C0 (N)	6250	12500					
Accuracy grade /	C3 / S	C3 / F					
Axial clearance symbol							
Axial clearance (mm)	0	0.005 or less					
Preload torque (N·cm)	1.5 to 6.0 Up to 2.0						
Spacer ball	er ball 1 : 1						
Recirculation system	Tube method						
Wiper	Lip seal						
Lubricant	Alvania Grease S2						





Model No.	Screw shaft length		Maximum stroke	Lead accuracy			
(One shaft end finished)	L1	L2	Lt	(L1 - nut length)	±Ε。	e _c	e ₃₀₀
GP1505DS-BALR-0400B-C3S	340	355	400	296	0.013	0.010	0.008
GP1505DS-BALR-0400B-C3F	340						
GP1505DS-BALR-0600B-C3S	540	555	600	496	0.016	0.012	0.008
GP1505DS-BALR-0600B-C3F	340						

- Product with axial clearance of 0.005 or less (F) shown may be partially preloaded.
- · Preload torque is a value before applying grease.
- 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.

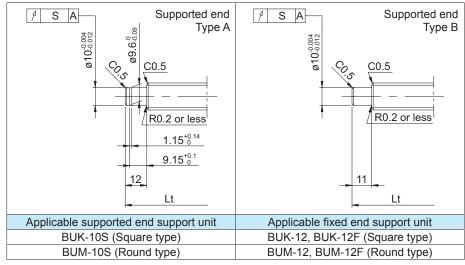
Shaft end finish type

Standard precision ball screws are available with KURODA's recommended shaft end finish types for each size. The fixed end type is finished beforehand.

Regarding the supported shaft end, additional machining to KURODA's recommended shaft end finish type described below is available. Please contact KURODA with your orders. Model examples for finished shaft ends are described below.

Model example: Finished fixed end (See left figure) → Both shaft ends finished

→ I hread length →Overall screw shaft length



Optional specifications

Ball screw lubricating unit LUBSEAL can be equipped.

Model example: GP1505DS-BASR-0600X0528-C3F

—Wiper material S: LUBSEAL

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

Accuracy of each part				Preload torque (N·cm)		Mass		
Χ	Υ	Z	S	U	V	Without clearance	With clearance	(kg)
0.008	0.012	0.035 0.012 0.009	0.012	0.009 0.004	1.5 to 6	1.5 to 6.0		0.71
0.006	0.012		0.009	0.004		Up to 2.0	0.71	
0.000	0.012	0.045	0.012	0.009	0.004	1.5 to 6.0		0.94
0.008 0.012 0.045	0.012	0.012 0.009	0.004		Up to 2.0	0.94		