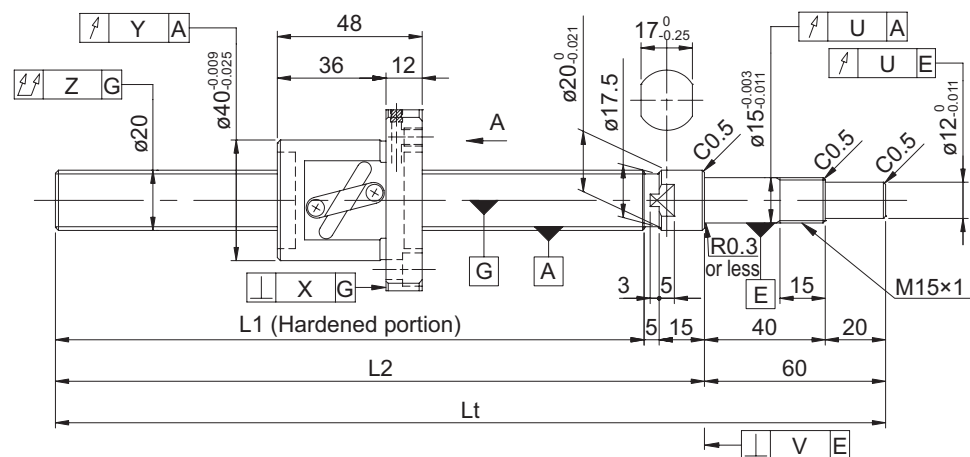
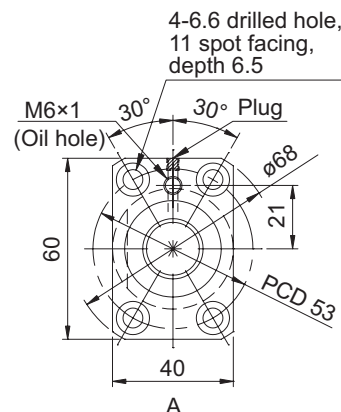


## GP series (Accuracy grade C3)

### • Ball screw specifications

Shaft diameter (mm) - Lead (mm)	20 - 5	
Number of circuits / Thread direction	2.5 turns 1 circuit / Right-hand	
Ball diameter (mm)	3.175	
Root diameter (mm)	17.5	
Series	GP	
Basic dynamic load rating C (N)	5260	8350
Basic static load rating C0 (N)	8750	17500
Accuracy grade / Axial clearance symbol	C3 / S	C3 / F
Axial clearance (mm)	0	0.005 or less
Preload torque (N·cm)	3.0 to 10.0	Up to 3.0
Spacer ball	1 : 1	None
Recirculation system	Tube method	
Wiper	Lip seal	
Lubricant	Alvania Grease S2	



Model No. (One shaft end finished)	Screw shaft length			Maximum stroke (L1 - nut length)	Lead accuracy		
	L1	L2	Lt		±E <sub>c</sub>	e <sub>c</sub>	e <sub>300</sub>
GP2005DS-BALR-0605B-C3S	525	545	605	477	0.016	0.012	0.008
GP2005DS-BALR-0605B-C3F							

- 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.

## Screw shaft diameter ø20, Lead 5

### • 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

GP2005DS-BALR-0605B-C3F → GP2005DS-BALR-0605X0513-C3F

Overall screw shaft length  
Thread length

Supported end Type A	Supported end Type B
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

- Ball screw lubricating unit LUBSEAL can be equipped.

**Model example:** GP2005DS-BASR-0605X0513-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 (kg)
X	Y	Z	S	U	V	Without clearance	With clearance	
0.008	0.012	0.050	0.012	0.009	0.004	3.0 to 10.0	----	1.64
						----	Up to 3.0	