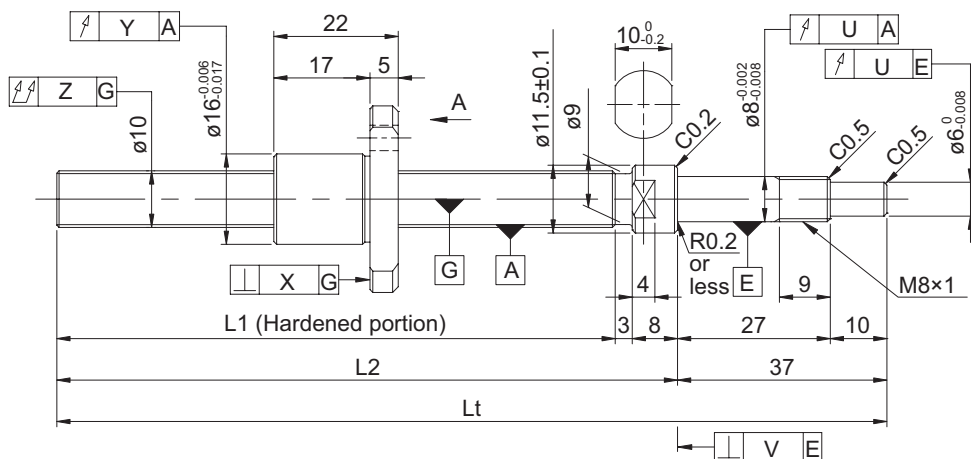
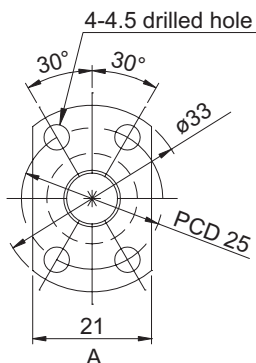


## DP series (Accuracy grade C3)

### Ball screw specifications

Shaft diameter (mm) - Lead (mm)	10 - 2	
Number of circuits / Thread direction	1 turn 3 circuits / Right-hand	
Ball diameter (mm)	1.2	
Root diameter (mm)	9.0	
Series	DP	
Basic dynamic load rating C (N)	1550	
Basic static load rating C0 (N)	3000	
Accuracy grade / Axial clearance symbol	C3 / S	C3 / F
Axial clearance (mm)	0	0.005 or less
Preload torque (N·cm)	0.1 to 2.4	Up to 0.5
Spacer ball	None	
Recirculation system	Deflector method	
Wiper	None	
Lubricant	Multemp PS2	



Model No. (One shaft end finished)	Screw shaft length			Maximum stroke (L1 - nut length)	Lead accuracy		
	L1	L2	Lt		$\pm E_c$	$e_c$	$e_{300}$
DP1002JS-HDNR-0220B-C3S	172	183	220	150	0.010	0.008	0.008
DP1002JS-HDNR-0220B-C3F							
DP1002JS-HDNR-0320B-C3S	272	283	320	250	0.012	0.008	0.008
DP1002JS-HDNR-0320B-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.

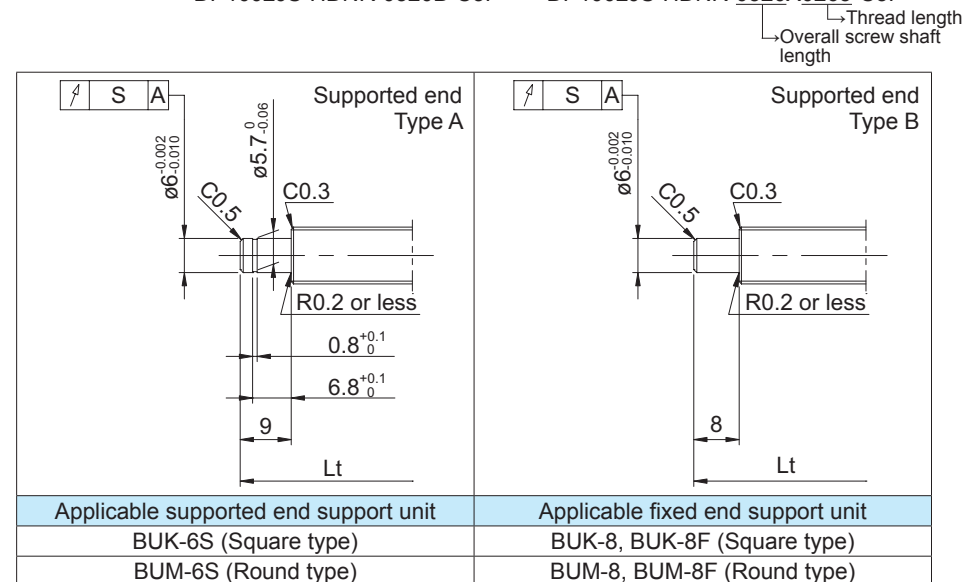
## Screw shaft diameter $\phi 10$ , Lead 2

### 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  
 DP1002JS-HDNR-0320B-C3F → DP1002JS-HDNR-0320X0263-C3F



### 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	S	U	V	Without clearance	With clearance	
0.008	0.009	0.030	0.011	0.007	0.0025	0.1 to 2.4	----	0.15
						----	Up to 0.5	
0.008	0.009	0.040	0.011	0.007	0.0025	0.1 to 2.4	----	0.20
						----	Up to 0.5	