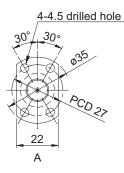
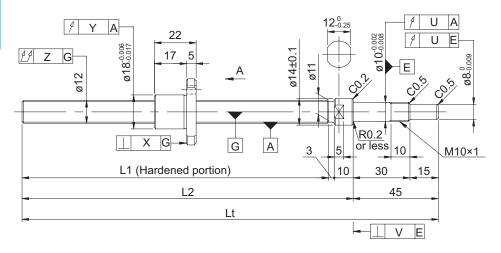
• Ball screw specifications

Shaft diameter (mm) - Lead (mm) Number of circuits / Thread direction Ball diameter (mm) Root diameter (mm) Series Basic dynamic load rating C (N) Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system Multemp PS2 1 turn 3 circuits / Right-hand 1.2 Root diameter (mm) 11.0 50 C3 / S C3 / F C4 / F C5 / F C6 / F C7 / F C8 / F C8 / F C9	- Dan colon opcomodnono						
Thread direction Right-hand Ball diameter (mm) 1.2 Root diameter (mm) 11.0 Series DP Basic dynamic load rating C (N) 1650 Basic static load rating C0 (N) 3600 Accuracy grade / Axial clearance symbol Axial clearance (mm) 0 0.005 or less Preload torque (N·cm) 0.4 to 3.4 Up to 0.5 Spacer ball None Recirculation system Deflector method Wiper	Shaft diameter (mm) - Lead (mm)	12 - 2					
Ball diameter (mm) Root diameter (mm) Series DP Basic dynamic load rating C (N) Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system None 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.	Number of circuits /	1 turn 3 circuits /					
Root diameter (mm) Series DP Basic dynamic load rating C (N) Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system None 11.0 DP 1650 C3 / S C3 / F C3 / S C3 / F None Deflector method None	Thread direction	Right-hand					
Series Basic dynamic load rating C (N) Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system Deflector method Wiper	Ball diameter (mm)	1.2					
Basic dynamic load rating C (N) Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system None None	Root diameter (mm)	11.0					
Basic static load rating C0 (N) Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system Basic static load rating C0 (N) C3 / S C3 / F None Deflector method None	Series	DP					
Accuracy grade / Axial clearance symbol Axial clearance (mm) Preload torque (N·cm) Spacer ball Recirculation system C3 / S C3 / F C4 / C4 C5 / C5 C6 / C5 C7 / C7 C7 /	Basic dynamic load rating C (N)	1650					
Axial clearance symbol C37S C37F Axial clearance (mm) 0 0.005 or less Preload torque (N·cm) 0.4 to 3.4 Up to 0.5 Spacer ball None Recirculation system Deflector method Wiper None	Basic static load rating C0 (N)	3600					
Axial clearance symbol 0 0.005 or less Axial clearance (mm) 0 0.005 or less Preload torque (N·cm) 0.4 to 3.4 Up to 0.5 Spacer ball None Recirculation system Deflector method Wiper None	Accuracy grade /	C2 / S	C3 / E				
Preload torque (N·cm) Spacer ball Recirculation system Wiper 0.4 to 3.4 Up to 0.5 None Deflector method None	Axial clearance symbol	C3 / S	C3 / F				
Spacer ball None Recirculation system Deflector method Wiper None	Axial clearance (mm)	0	0.005 or less				
Recirculation system Deflector method Wiper None	Preload torque (N·cm)	0.4 to 3.4	Up to 0.5				
Wiper None	Spacer ball	None					
·	Recirculation system	Deflector method					
Lubricant Multemp PS2	Wiper	None					
	Lubricant	Multemp PS2					





Model No.	Screw shaft length		Maximum stroke	Lead accuracy			
(One shaft end finished)	L1	L2	Lt	(L1 - nut length)	±Ε _c	e _c	e ₃₀₀
DP1202JS-HDNR-0300B-C3S	242	255	300	220	0.012	0.008	0.008
DP1202JS-HDNR-0300B-C3F	242						
DP1202JS-HDNR-0400B-C3S	342	355	400	320	0.013	0.010	0.008
DP1202JS-HDNR-0400B-C3F	342						

- 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.

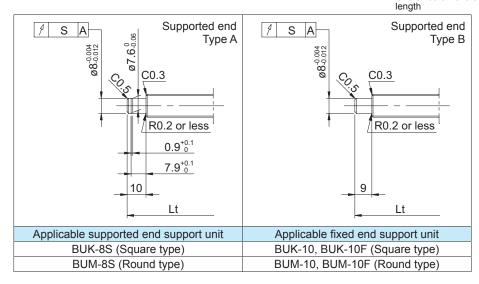
Shaft end finish type

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 DP1202JS-HDNR-0400B-C3F → DP1202JS-HDNR-0400X0332-C3F

→Thread length →Overall screw shaft



Optional specifications

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

Accuracy of each part			Preload torque (N·cm)		Mass			
Х	Y	Z	S	U	V	Without clearance	With clearance	(kg)
0.008	0.009	0.030	0.011	0.007 0.003		0.4 to 3.4		0.28
0.006	0.009	0.030 0.011 0	0.007	0.007 0.003		Up to 0.5		
0.008	0.009	0.040	0.011	0.007	0.003	0.4 to 3.4		0.26
0.000 0.009 0.0	0.040	0.011	0.007	0.003		Up to 0.5	0.36	