Screw shaft
diameter ø8

● Ball screw specifications

Shaft diameter (mm) - Lead (mm)	8 - 2	
Number of circuits / Thread direction	1 turn 3 circuits / Right-hand	
Ball diameter (mm)	1.2	
Root diameter (mm)	7.0	
Series	DP	
Basic dynamic load rating C (N)	1350	
Basic static load rating C0 (N)	2300	
Accuracy grade / Axial clearance symbol	C3 / S	C3 / F
Axial clearance (mm)	0	0.005 or less
Preload torque (N·cm)	Up to 2.0	Up to 0.5
Spacer ball	None	
Recirculation system	Deflector method	
Wiper	None	
Lubricant	Multemp PS2	

4-3.4 drilled hole
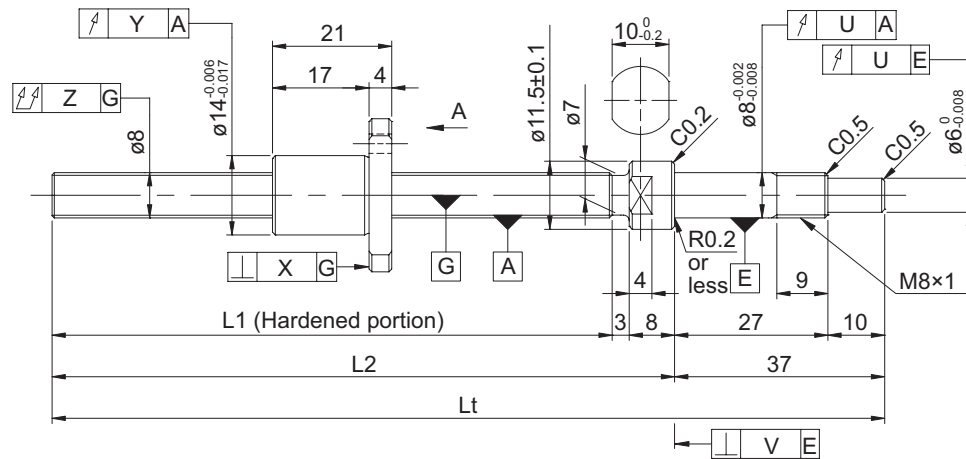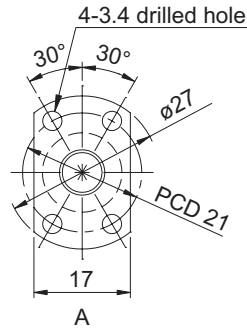
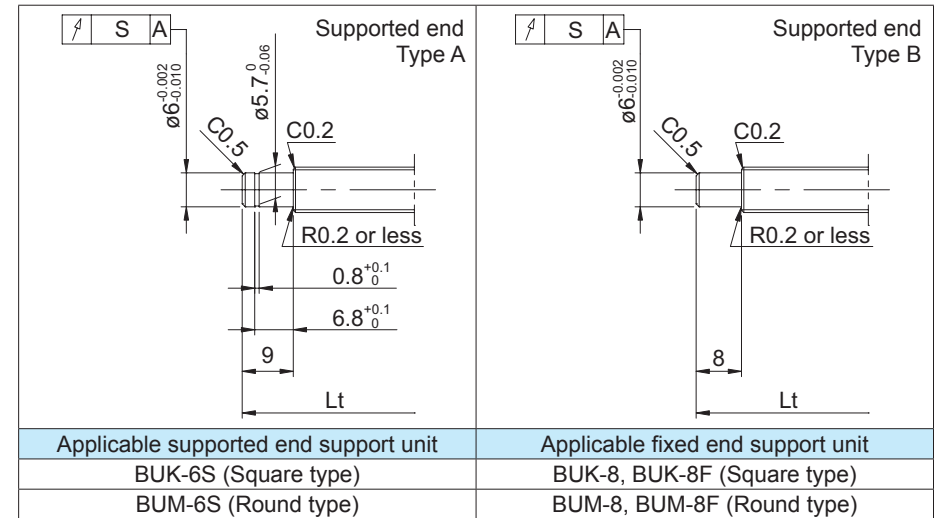| Model No. (One shaft end finished)	Screw shaft length			Maximum stroke (L1 - nut length)	Lead accuracy			Mass (kg)
	L1	L2	Lt		±E$_c$	e$_c$	e$_{300}$	
DP0802JS-HDNR-0180B-C3S	132	143	180	111	0.012	0.008	0.008	0.09
DP0802JS-HDNR-0180B-C3F	132	143	180	111	0.012	0.008	0.008	0.09
DP0802JS-HDNR-0260B-C3S	212	223	260	191	0.012	0.008	0.008	0.11
DP0802JS-HDNR-0260B-C3F	212	223	260	191	0.012	0.008	0.008	0.11

• 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
DP0802JS-HDNR-0260B-C3F → DP0802JS-HDNR-0260X0203-C3F
→Thread length
→Overall screw shaft length

Applicable supported end support unit	Applicable fixed end support unit
BUK-6S (Square type)	BUK-8, BUK-8F (Square type)
BUM-6S (Round type)	BUM-8, BUM-8F (Round type)

● Optional specifications

• 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	0.009	0.030	0.010	0.008	0.0025	Up to 2.0	----	0.09
0.008	0.009	0.030	0.010	0.008	0.0025	----	Up to 0.5	0.09
0.008	0.009	0.035	0.010	0.008	0.0025	Up to 2.0	----	0.11
0.008	0.009	0.035	0.010	0.008	0.0025	----	Up to 0.5	0.11