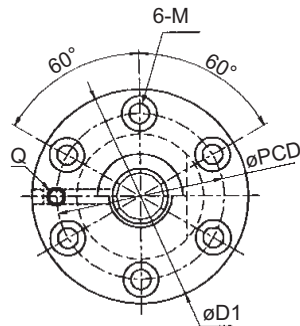
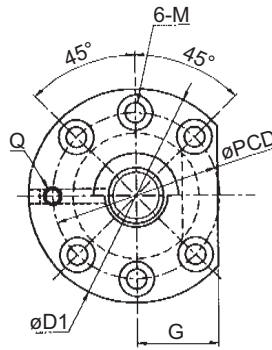


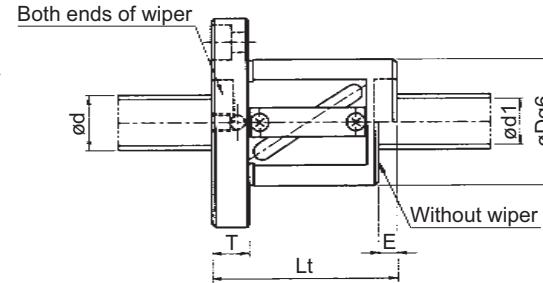
Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C1-C10)



Flange type C



Flange type D



(Unit: mm)

Model No.	Screw shaft diameter d	Lead L	Ball diameter D _b	Root diameter d _r	Number of circuits Turn x Circuit	Basic dynamic load rating C (N)	Basic static load rating C ₀ (N)	*Rigidity K _{NS} (N/μm)	Nut dimensions																		Mass	
									Outer diameter D	Overall length L _t	Wiper material	Without wiper E	Flange thickness T	Flange outer diameter D ₁	Flange type	Flange dimensions							Mounting hole					
																W	X	Y	A	B	G	Q	PCD	M				
																								Drill	Spot facing	Depth	Nut (kg)	Screw shaft (kg/100mm)
GR8010ES-CAPR	80	10	6.3500	75.2	2.5×2	73100	289100	910	130	103	P	7	22	176	C	—	—	—	—	—	—	Rc1/8	152	14	20	13	7.64	3.92
GR8010ES-DAPR	80	10	6.3500	75.2	2.5×2	73100	289100	910	130	103	P	7	22	176	D	—	—	—	—	—	66	Rc1/8	152	14	20	13	7.34	3.92
GR8010FS-CAPR	80	10	6.3500	75.2	2.5×3	103700	433700	1320	130	133	P	7	22	176	C	—	—	—	—	—	—	Rc1/8	152	14	20	13	9.32	3.92
GR8010FS-DAPR	80	10	6.3500	75.2	2.5×3	103700	433700	1320	130	133	P	7	22	176	D	—	—	—	—	—	66	Rc1/8	152	14	20	13	9.02	3.92
GR8012ES-CAPR	80	12	7.9375	73.8	2.5×2	99400	359100	940	136	119	P	7	22	182	C	—	—	—	—	—	—	Rc1/8	158	14	20	13	9.54	3.92
GR8012ES-DAPR	80	12	7.9375	73.8	2.5×2	99400	359100	940	136	119	P	7	22	182	D	—	—	—	—	—	68	Rc1/8	158	14	20	13	9.22	3.92
GR8012FS-CAPR	80	12	7.9375	73.8	2.5×3	140700	538700	1350	136	155	P	7	22	182	C	—	—	—	—	—	—	Rc1/8	158	14	20	13	11.83	3.92
GR8012FS-DAPR	80	12	7.9375	73.8	2.5×3	140700	538700	1350	136	155	P	7	22	182	D	—	—	—	—	—	68	Rc1/8	158	14	20	13	11.51	3.92
GR8016ES-CAPR	80	16	9.5250	72.6	2.5×2	165200	600500	1050	143	161	P	12	28	204	C	—	—	—	—	—	—	Rc1/8	172	18	26	17.5	15.45	3.92
GR8016ES-DAPR	80	16	9.5250	72.6	2.5×2	165200	600500	1050	143	161	P	12	28	204	D	—	—	—	—	—	77	Rc1/8	172	18	26	17.5	14.95	3.92
GR8016FS-CAPR	80	16	9.5250	72.6	2.5×3	234100	900800	1520	143	209	P	12	28	204	C	—	—	—	—	—	—	Rc1/8	172	18	26	17.5	18.97	3.92
GR8016FS-DAPR	80	16	9.5250	72.6	2.5×3	234100	900800	1520	143	209	P	12	28	204	D	—	—	—	—	—	77	Rc1/8	172	18	26	17.5	18.47	3.92
GR8020ES-CAPR	80	20	9.5250	72.6	2.5×2	165200	600500	1050	143	173	P	12	28	204	C	—	—	—	—	—	—	Rc1/8	172	18	26	17.5	16.33	3.92
GR8020ES-DAPR	80	20	9.5250	72.6	2.5×2	165200	600500	1050	143	173	P	12	28	204	D	—	—	—	—	—	77	Rc1/8	172	18	26	17.5	15.83	3.92
GR8020FS-CAPR	80	20	9.5250	72.6	2.5×3	234100	900800	1620	143	233	P	12	28	204	C	—	—	—	—	—	—	Rc1/8	172	18	26	17.5	20.73	3.92
GR8020FS-DAPR	80	20	9.5250	72.6	2.5×3	234100	900800	1620	143	233	P	12	28	204	D	—	—	—	—	—	77	Rc1/8	172	18	26	17.5	20.23	3.92

Note: • The rigidity indicated with the *mark in the above list represents the operational value based on the result of rigidity testing. This value is calculated from the elastic displacement measured when the axial load equivalent to 30% of basic dynamic load rating (C) is applied between the screw thread and the balls.

• Wiper material P: Plastic wiper

Screw shaft diameter ø80

GR series

Screw shaft diameter ø80