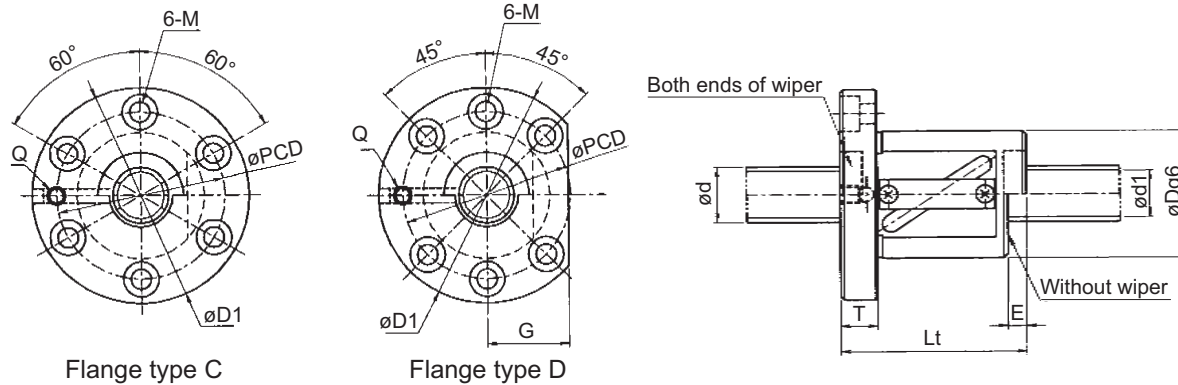


Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C1-C10)



(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)
GR7010ES-CAPR	70	10	6.3500	65.2	2.5×2	69100	252100	820	120	103	P	7	22	166	C	—	—	—	—	—	—	Rc1/8	142	14	20	13	6.99	3.00
GR7010ES-DAPR	70	10	6.3500	65.2	2.5×2	69100	252100	820	120	103	P	7	22	166	D	—	—	—	—	—	63	Rc1/8	142	14	20	13	6.74	3.00
GR7010FS-CAPR	70	10	6.3500	65.2	2.5×3	97900	378200	1190	120	133	P	7	22	166	C	—	—	—	—	—	—	Rc1/8	142	14	20	13	8.51	3.00
GR7010FS-DAPR	70	10	6.3500	65.2	2.5×3	97900	378200	1190	120	133	P	7	22	166	D	—	—	—	—	—	63	Rc1/8	142	14	20	13	8.26	3.00
GR7012ES-CAPR	70	12	7.9375	63.8	2.5×2	93400	312700	840	124	119	P	7	22	170	C	—	—	—	—	—	—	Rc1/8	146	14	20	13	8.36	3.00
GR7012ES-DAPR	70	12	7.9375	63.8	2.5×2	93400	312700	840	124	119	P	7	22	170	D	—	—	—	—	—	64	Rc1/8	146	14	20	13	8.08	3.00
GR7012FS-CAPR	70	12	7.9375	63.8	2.5×3	132400	469100	1200	124	155	P	7	22	170	C	—	—	—	—	—	—	Rc1/8	146	14	20	13	10.34	3.00
GR7012FS-DAPR	70	12	7.9375	63.8	2.5×3	132400	469100	1200	124	155	P	7	22	170	D	—	—	—	—	—	64	Rc1/8	146	14	20	13	10.06	3.00
GR7016ES-CAPR	70	16	9.5250	62.6	2.5×2	152100	508000	920	130	163	P	13	28	190	C	—	—	—	—	—	—	Rc1/8	158	18	26	17.5	13.45	3.00
GR7016ES-DAPR	70	16	9.5250	62.6	2.5×2	152100	508000	920	130	163	P	13	28	190	D	—	—	—	—	—	72	Rc1/8	158	18	26	17.5	13.03	3.00
GR7016FS-CAPR	70	16	9.5250	62.6	2.5×3	215600	762000	1410	130	211	P	13	28	190	C	—	—	—	—	—	—	Rc1/8	158	18	26	17.5	16.44	3.00
GR7016FS-DAPR	70	16	9.5250	62.6	2.5×3	215600	762000	1410	130	211	P	13	28	190	D	—	—	—	—	—	72	Rc1/8	158	18	26	17.5	16.02	3.00
GR7020ES-CAPR	70	20	9.5250	62.6	2.5×2	152100	508000	920	130	175	P	13	28	190	C	—	—	—	—	—	—	Rc1/8	158	18	26	17.5	14.20	3.00
GR7020ES-DAPR	70	20	9.5250	62.6	2.5×2	152100	508000	920	130	175	P	13	28	190	D	—	—	—	—	—	72	Rc1/8	158	18	26	17.5	13.77	3.00
GR7020FS-CAPR	70	20	9.5250	62.6	2.5×3	215600	762000	1410	130	235	P	13	28	190	C	—	—	—	—	—	—	Rc1/8	158	18	26	17.5	17.94	3.00
GR7020FS-DAPR	70	20	9.5250	62.6	2.5×3	215600	762000	1410	130	235	P	13	28	190	D	—	—	—	—	—	72	Rc1/8	158	18	26	17.5	17.51	3.00

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