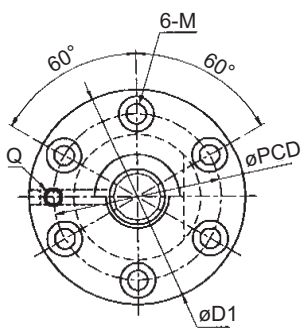
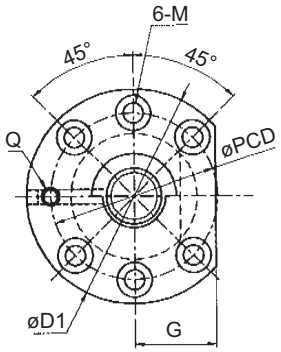
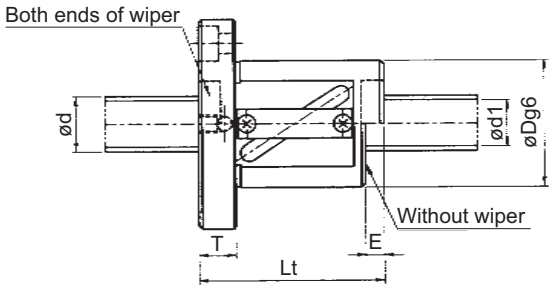
Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C0-C10)



Flange type C



Flange type D



(Unit: mm)

Model No.	Screw shaft diameter d	Lead L	Ball diameter D_b	Root diameter d_1	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			Nut (kg)	Screw shaft (kg/100mm)
																								Drill	Spot facing	Depth		
GR5012DS-CALR	50	12	7.9375	43.8	2.5×1	42600	110000	340	100	83	L	7	22	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	4.78	1.53
GR5012DS-DALR	50	12	7.9375	43.8	2.5×1	42600	110000	340	100	83	L	7	22	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	4.57	1.53
GR5012ES-CALR	50	12	7.9375	43.8	2.5×2	77400	220000	630	100	119	L	7	22	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	6.19	1.53
GR5012ES-DALR	50	12	7.9375	43.8	2.5×2	77400	220000	630	100	119	L	7	22	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	5.98	1.53
GR5012FS-CALR	50	12	7.9375	43.8	2.5×3	109600	330000	900	100	155	L	7	22	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	7.60	1.53
GR5012FS-DALR	50	12	7.9375	43.8	2.5×3	109600	330000	900	100	155	L	7	22	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	7.39	1.53
GR5016DS-CAPR	50	16	7.9375	43.8	2.5×1	42600	110000	340	100	103	P	7	22	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	5.56	1.53
GR5016DS-DAPR	50	16	7.9375	43.8	2.5×1	42600	110000	340	100	103	P	7	22	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	5.36	1.53
GR5016ES-CAPR	50	16	7.9375	43.8	2.5×2	77400	220000	630	100	151	P	7	22	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	7.44	1.53
GR5016ES-DAPR	50	16	7.9375	43.8	2.5×2	77400	220000	630	100	151	P	7	22	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	7.24	1.53
GR5020DS-CAPR	50	20	7.9375	43.8	2.5×1	42600	110000	380	100	109	P	7	28	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	6.21	1.53
GR5020DS-DAPR	50	20	7.9375	43.8	2.5×1	42600	110000	380	100	109	P	7	28	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	5.95	1.53
GR5020ES-CAPR	50	20	7.9375	43.8	2.5×2	77400	220000	710	100	169	P	7	28	146	C	—	—	—	—	—	—	Rc1/8	122	14	20	13	8.56	1.53
GR5020ES-DAPR	50	20	7.9375	43.8	2.5×2	77400	220000	710	100	169	P	7	28	146	D	—	—	—	—	—	55	Rc1/8	122	14	20	13	8.30	1.53
GR5040AS-CAPR	50	40	6.3500	45.2	1.5×1	20300	51300	350	93	109	P	8	18	135	C	—	—	—	—	—	—	Rc1/8	113	11	17.5	10.8	4.56	1.53
GR5040AS-DAPR	50	40	6.3500	45.2	1.5×1	20300	51300	350	93	109	P	8	18	135	D	—	—	—	—	—	51	Rc1/8	113	11	17.5	10.8	4.42	1.53
GR5050AS-CAPR	50	50	6.3500	45.2	1.5×1	20300	51300	350	93	126	P	8	18	135	C	—	—	—	—	—	—	Rc1/8	113	11	17.5	10.8	5.11	1.53
GR5050AS-DAPR	50	50	6.3500	45.2	1.5×1	20300	51300	350	93	126	P	8	18	135	D	—	—	—	—	—	51	Rc1/8	113	11	17.5	10.8	4.97	1.53

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, L: Lip seal