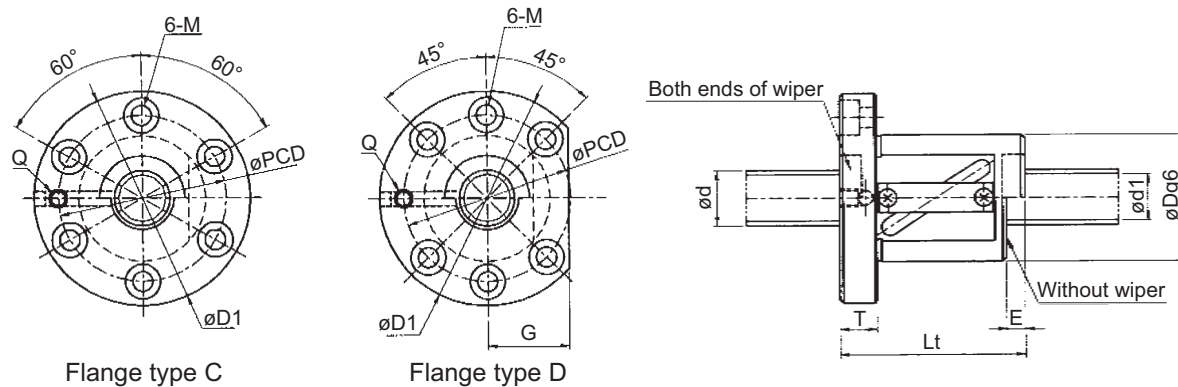


Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C0-C10)



(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)
GR4510BS-CALR	45	10	6.3500	40.2	1.5×2	36800	97800	370	86	91	L	8	18	128	C	—	—	—	—	—	—	Rc1/8	106	11	17.5	10.8	3.53	1.24
GR4510BS-DALR	45	10	6.3500	40.2	1.5×2	36800	97800	370	86	91	L	8	18	128	D	—	—	—	—	—	48	Rc1/8	106	11	17.5	10.8	3.40	1.24
GR4510DS-CALR	45	10	6.3500	40.2	2.5×1	31500	81500	310	86	71	L	8	18	128	C	—	—	—	—	—	—	Rc1/8	106	11	17.5	10.8	2.97	1.24
GR4510DS-DALR	45	10	6.3500	40.2	2.5×1	31500	81500	310	86	71	L	8	18	128	D	—	—	—	—	—	48	Rc1/8	106	11	17.5	10.8	2.84	1.24
GR4510ES-CALR	45	10	6.3500	40.2	2.5×2	57200	163000	570	86	101	L	8	18	128	C	—	—	—	—	—	—	Rc1/8	106	11	17.5	10.8	3.81	1.24
GR4510ES-DALR	45	10	6.3500	40.2	2.5×2	57200	163000	570	86	101	L	8	18	128	D	—	—	—	—	—	48	Rc1/8	106	11	17.5	10.8	3.68	1.24
GR4510FS-CALR	45	10	6.3500	40.2	2.5×3	81000	244500	830	86	131	L	8	18	128	C	—	—	—	—	—	—	Rc1/8	106	11	17.5	10.8	4.65	1.24
GR4510FS-DALR	45	10	6.3500	40.2	2.5×3	81000	244500	830	86	131	L	8	18	128	D	—	—	—	—	—	48	Rc1/8	106	11	17.5	10.8	4.52	1.24
GR4512DS-CALR	45	12	7.9375	38.8	2.5×1	41200	98500	300	94	83	L	7	22	140	C	—	—	—	—	—	—	Rc1/8	116	14	20	13	4.40	1.24
GR4512DS-DALR	45	12	7.9375	38.8	2.5×1	41200	98500	300	94	83	L	7	22	140	D	—	—	—	—	—	53	Rc1/8	116	14	20	13	4.22	1.24
GR4512ES-CALR	45	12	7.9375	38.8	2.5×2	74900	197000	570	94	119	L	7	22	140	C	—	—	—	—	—	—	Rc1/8	116	14	20	13	5.68	1.24
GR4512ES-DALR	45	12	7.9375	38.8	2.5×2	74900	197000	570	94	119	L	7	22	140	D	—	—	—	—	—	53	Rc1/8	116	14	20	13	5.50	1.24
GR4512FS-CALR	45	12	7.9375	38.8	2.5×3	106200	295500	870	94	155	L	7	22	140	C	—	—	—	—	—	—	Rc1/8	116	14	20	13	6.96	1.24
GR4512FS-DALR	45	12	7.9375	38.8	2.5×3	106200	295500	870	94	155	L	7	22	140	D	—	—	—	—	—	53	Rc1/8	116	14	20	13	6.78	1.24
GR4520DS-CAPR	45	20	7.1438	39.7	2.5×1	37600	86200	520	105	105	P	8	22	155	C	—	—	—	—	—	—	Rc1/8	130	14	20	13	6.95	1.24
GR4520DS-DAPR	45	20	7.1438	39.7	2.5×1	37600	86200	520	105	105	P	8	22	155	D	—	—	—	—	—	60	Rc1/8	130	14	20	13	6.75	1.24
GR4520GS-CAPR	45	20	7.1438	39.7	3.5×1	49400	120600	720	105	125	P	8	22	155	C	—	—	—	—	—	—	Rc1/8	130	14	20	13	7.94	1.24
GR4520GS-DAPR	45	20	7.1438	39.7	3.5×1	49400	120600	720	105	125	P	8	22	155	D	—	—	—	—	—	60	Rc1/8	130	14	20	13	7.74	1.24

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