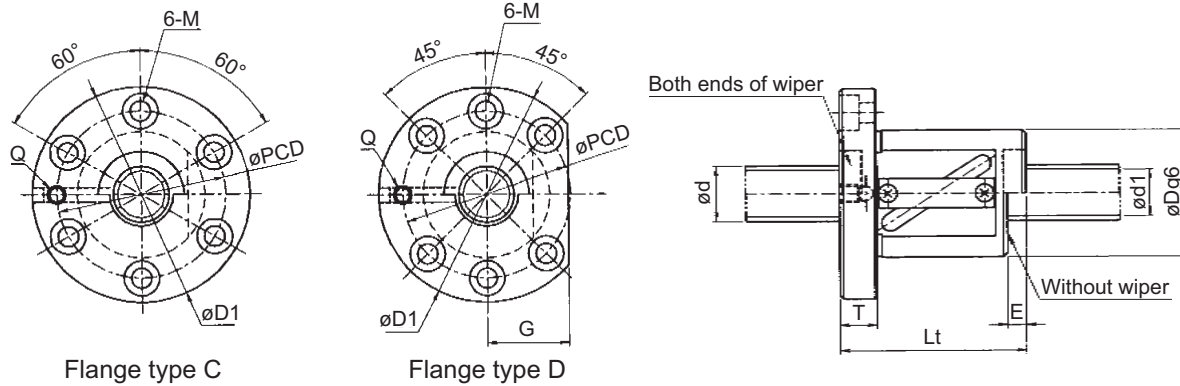


Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C0-C10)



(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						PCD	Mounting hole			Nut (kg)	Screw shaft (kg/100mm)	
																W	X	Y	A	B	G		Q	Drill	Spot facing			Depth
GR4505BS-CAPR	45	5	3.1750	42.5	1.5×2	14100	48600	330	74	56	P	5	15	108	C	—	—	—	—	—	—	Rc1/8	90	9	14	8.6	1.62	1.24
GR4505BS-DAPR	45	5	3.1750	42.5	1.5×2	14100	48600	330	74	56	P	5	15	108	D	—	—	—	—	—	41	Rc1/8	90	9	14	8.6	1.55	1.24
GR4505CS-CAPR	45	5	3.1750	42.5	1.5×3	20100	72900	480	74	66	P	5	15	108	C	—	—	—	—	—	—	Rc1/8	90	9	14	8.6	1.81	1.24
GR4505CS-DAPR	45	5	3.1750	42.5	1.5×3	20100	72900	480	74	66	P	5	15	108	D	—	—	—	—	—	41	Rc1/8	90	9	14	8.6	1.74	1.24
GR4506BS-CAPR	45	6	3.9688	41.6	1.5×2	19300	59700	340	78	64	P	5	15	112	C	—	—	—	—	—	—	Rc1/8	94	9	14	8.6	2.00	1.24
GR4506BS-DAPR	45	6	3.9688	41.6	1.5×2	19300	59700	340	78	64	P	5	15	112	D	—	—	—	—	—	43	Rc1/8	94	9	14	8.6	1.93	1.24
GR4506ES-CAPR	45	6	3.9688	41.6	2.5×2	30000	99500	550	78	70	P	5	15	112	C	—	—	—	—	—	—	Rc1/8	94	9	14	8.6	2.14	1.24
GR4506ES-DAPR	45	6	3.9688	41.6	2.5×2	30000	99500	550	78	70	P	5	15	112	D	—	—	—	—	—	43	Rc1/8	94	9	14	8.6	2.06	1.24
GR4506FS-CAPR	45	6	3.9688	41.6	2.5×3	42500	149300	780	78	88	P	5	15	112	C	—	—	—	—	—	—	Rc1/8	94	9	14	8.6	2.53	1.24
GR4506FS-DAPR	45	6	3.9688	41.6	2.5×3	42500	149300	780	78	88	P	5	15	112	D	—	—	—	—	—	43	Rc1/8	94	9	14	8.6	2.46	1.24
GR4508BS-CAPR	45	8	4.7625	41	1.5×2	24000	72600	350	82	76	P	6	18	124	C	—	—	—	—	—	—	Rc1/8	102	11	17.5	10.8	2.88	1.24
GR4508BS-DAPR	45	8	4.7625	41	1.5×2	24000	72600	350	82	76	P	6	18	124	D	—	—	—	—	—	47	Rc1/8	102	11	17.5	10.8	2.76	1.24
GR4508ES-CAPR	45	8	4.7625	41	2.5×2	37300	121000	560	82	84	P	6	18	124	C	—	—	—	—	—	—	Rc1/8	102	11	17.5	10.8	3.08	1.24
GR4508ES-DAPR	45	8	4.7625	41	2.5×2	37300	121000	560	82	84	P	6	18	124	D	—	—	—	—	—	47	Rc1/8	102	11	17.5	10.8	2.97	1.24
GR4508FS-CAPR	45	8	4.7625	41	2.5×3	52700	181500	790	82	108	P	6	18	124	C	—	—	—	—	—	—	Rc1/8	102	11	17.5	10.8	3.69	1.24
GR4508FS-DAPR	45	8	4.7625	41	2.5×3	52700	181500	790	82	108	P	6	18	124	D	—	—	—	—	—	47	Rc1/8	102	11	17.5	10.8	3.58	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

Screw shaft diameter ø45