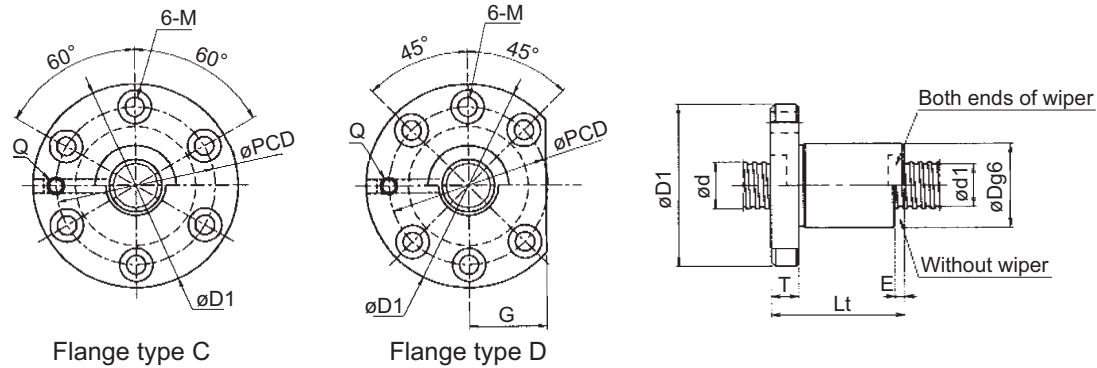


Custom Ball Screw: DEFLECTOR METHOD SINGLE NUT (Accuracy grade C0-C10)



(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 P	Without wiper E	Flange thickness T	Flange outer diameter D ₁	Flange type C	Flange dimensions								Mounting hole				
																W	X	Y	A	B	G	Q	PCD	M				
																								Drill	Spot facing	Depth	Nut (kg)	Screw shaft (kg/100mm)
DR2505JS-CDPR	25	5	3.1750	22.5	1×3	9850	23450	180	40	46	P	3	11	63	C	—	—	—	—	—	—	M6	51	5.5	9.5	5.4	0.37	0.38
DR2505JS-DDPR	25	5	3.1750	22.5	1×3	9850	23450	180	40	46	P	3	11	63	D	—	—	—	—	—	24	M6	51	5.5	9.5	5.4	0.35	0.38
DR2510JS-CDPR	25	10	3.9688	21.6	1×3	12000	25800	190	40	63	P	3	11	63	C	—	—	—	—	—	—	M6	51	5.5	9.5	5.4	0.43	0.38
DR2510JS-DDPR	25	10	3.9688	21.6	1×3	12000	25800	190	40	63	P	3	11	63	D	—	—	—	—	—	24	M6	51	5.5	9.5	5.4	0.41	0.38
DR3205JS-CDPR	32	5	3.1750	29.5	1×3	11300	31100	220	48	47	P	3	12	75	C	—	—	—	—	—	—	M6	61	6.6	11	6.5	0.53	0.63
DR3205JS-DDPR	32	5	3.1750	29.5	1×3	11300	31100	220	48	47	P	3	12	75	D	—	—	—	—	—	29	M6	61	6.6	11	6.5	0.51	0.63
DR3205KS-CDPR	32	5	3.1750	29.5	1×4	14500	41500	290	48	52	P	3	12	75	C	—	—	—	—	—	—	M6	61	6.6	11	6.5	0.56	0.63
DR3205KS-DDPR	32	5	3.1750	29.5	1×4	14500	41500	290	48	52	P	3	12	75	D	—	—	—	—	—	29	M6	61	6.6	11	6.5	0.54	0.63
DR3210JS-CDPR	32	10	6.3500	27.2	1×3	26900	58400	250	50	78	P	8	15	84	C	—	—	—	—	—	—	M6	66	9	14	8.6	0.84	0.63
DR3210JS-DDPR	32	10	6.3500	27.2	1×3	26900	58400	250	50	78	P	8	15	84	D	—	—	—	—	—	33	M6	66	9	14	8.6	0.80	0.63
DR4010JS-CDPR	40	10	6.3500	35.2	1×3	31300	80300	300	62	83	P	8	18	104	C	—	—	—	—	—	—	Rc1/8	82	11	17.5	10.8	1.54	0.98
DR4010JS-DDPR	40	10	6.3500	35.2	1×3	31300	80300	300	62	83	P	8	18	104	D	—	—	—	—	—	40	Rc1/8	82	11	17.5	10.8	1.46	0.98
DR4010KS-CDPR	40	10	6.3500	35.2	1×4	40100	100000	400	62	93	P	8	18	104	C	—	—	—	—	—	—	Rc1/8	82	11	17.5	10.8	1.63	0.98
DR4010KS-DDPR	40	10	6.3500	35.2	1×4	40100	100000	400	62	93	P	8	18	104	D	—	—	—	—	—	40	Rc1/8	82	11	17.5	10.8	1.55	0.98
DR5010JS-CDPR	50	10	6.3500	45.2	1×3	35700	98150	370	72	83	P	8	18	114	C	—	—	—	—	—	—	Rc1/8	92	11	17.5	10.8	1.77	1.53
DR5010JS-DDPR	50	10	6.3500	45.2	1×3	35700	98150	370	72	83	P	8	18	114	D	—	—	—	—	—	44	Rc1/8	92	11	17.5	10.8	1.68	1.53
DR5010KS-CDPR	50	10	6.3500	45.2	1×4	45700	130000	490	72	93	P	8	18	114	C	—	—	—	—	—	—	Rc1/8	92	11	17.5	10.8	1.88	1.53
DR5010KS-DDPR	50	10	6.3500	45.2	1×4	45700	130000	490	72	93	P	8	18	114	D	—	—	—	—	—	44	Rc1/8	92	11	17.5	10.8	1.79	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

Screw shaft
diameter ø25-ø50

DR series

Screw shaft diameter ø25-ø50