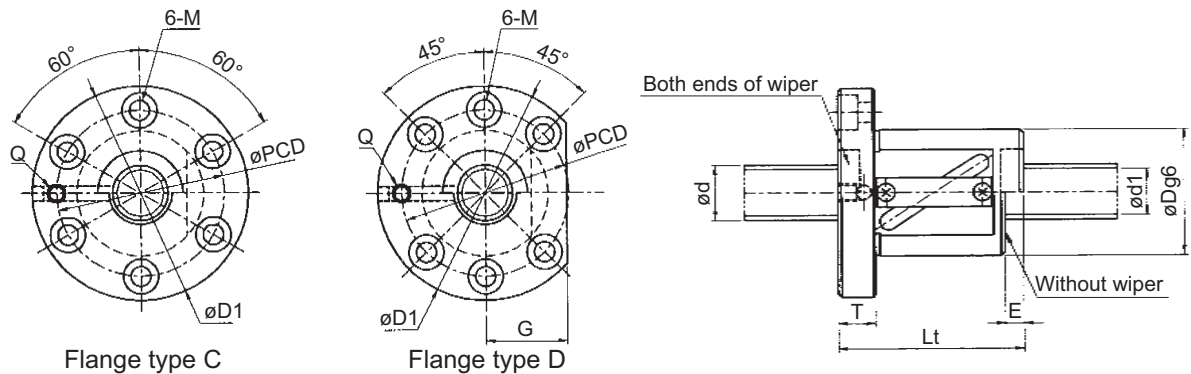


# Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C0-C10)



(Unit: mm)

Model No.	Screw shaft diameter d	Lead L	Ball diameter D <sub>s</sub>	Root diameter d <sub>r</sub>	Number of circuits Turn x Circuit	Basic dynamic load rating C (N)	Basic static load rating C <sub>0</sub> (N)	*Rigidity K <sub>NS</sub> (N/μm)	Nut dimensions																Mass			
									Outer diameter D	Overall length L <sub>t</sub>	Wiper material	Without wiper E	Flange thickness T	Flange outer diameter D <sub>1</sub>	Flange type	Flange dimensions						Mounting hole				Nut (kg)	Screw shaft (kg/100mm)	
																W	X	Y	A	B	G	Q	PCD	M				
															Drill	Spot facing	Depth											
GR5508ES-CAPR	55	8	4.7625	51	2.5x2	40100	145900	640	92	86	P	5	22	138	C	-	-	-	-	-	-	Rc1/8	114	14	20	13	3.93	1.85
GR5508ES-DAPR	55	8	4.7625	51	2.5x2	40100	145900	640	92	86	P	5	22	138	D	-	-	-	-	-	53	Rc1/8	114	14	20	13	3.77	1.85
GR5508FS-CAPR	55	8	4.7625	51	2.5x3	56900	218900	920	92	110	P	5	22	138	C	-	-	-	-	-	-	Rc1/8	114	14	20	13	4.63	1.85
GR5508FS-DAPR	55	8	4.7625	51	2.5x3	56900	218900	920	92	110	P	5	22	138	D	-	-	-	-	-	53	Rc1/8	114	14	20	13	4.47	1.85
GR5510BS-CALR	55	10	6.3500	50.2	1.5x2	40400	120100	450	100	95	L	8	22	146	C	-	-	-	-	-	-	Rc1/8	122	14	20	13	5.02	1.85
GR5510BS-DALR	55	10	6.3500	50.2	1.5x2	40400	120100	450	100	95	L	8	22	146	D	-	-	-	-	-	55	Rc1/8	122	14	20	13	4.81	1.85
GR5510ES-CALR	55	10	6.3500	50.2	2.5x2	62700	200200	680	100	105	L	8	22	146	C	-	-	-	-	-	-	Rc1/8	122	14	20	13	5.38	1.85
GR5510ES-DALR	55	10	6.3500	50.2	2.5x2	62700	200200	680	100	105	L	8	22	146	D	-	-	-	-	-	55	Rc1/8	122	14	20	13	5.18	1.85
GR5510FS-CALR	55	10	6.3500	50.2	2.5x3	89000	300300	980	100	135	L	8	22	146	C	-	-	-	-	-	-	Rc1/8	122	14	20	13	6.48	1.85
GR5510FS-DALR	55	10	6.3500	50.2	2.5x3	89000	300300	980	100	135	L	8	22	146	D	-	-	-	-	-	55	Rc1/8	122	14	20	13	6.28	1.85
GR5512ES-CAPR	55	12	7.9375	48.8	2.5x2	81200	243300	690	108	119	P	7	22	154	C	-	-	-	-	-	-	Rc1/8	130	14	20	13	7.04	1.85
GR5512ES-DAPR	55	12	7.9375	48.8	2.5x2	81200	243300	690	108	119	P	7	22	154	D	-	-	-	-	-	58	Rc1/8	130	14	20	13	6.82	1.85
GR5512FS-CAPR	55	12	7.9375	48.8	2.5x3	115100	365000	980	108	155	P	7	22	154	C	-	-	-	-	-	-	Rc1/8	130	14	20	13	8.68	1.85
GR5512FS-DAPR	55	12	7.9375	48.8	2.5x3	115100	365000	980	108	155	P	7	22	154	D	-	-	-	-	-	58	Rc1/8	130	14	20	13	8.46	1.85
GR5516DS-CAPR	55	16	9.5250	47.6	2.5x1	76700	207800	400	112	115	P	13	28	172	C	-	-	-	-	-	-	Rc1/8	140	18	26	17.5	8.60	1.85
GR5516DS-DAPR	55	16	9.5250	47.6	2.5x1	76700	207800	400	112	115	P	13	28	172	D	-	-	-	-	-	66	Rc1/8	140	18	26	17.5	8.27	1.85
GR5516ES-CAPR	55	16	9.5250	47.6	2.5x2	139100	415600	750	112	163	P	13	28	172	C	-	-	-	-	-	-	Rc1/8	140	18	26	17.5	10.96	1.85
GR5516ES-DAPR	55	16	9.5250	47.6	2.5x2	139100	415600	750	112	163	P	13	28	172	D	-	-	-	-	-	66	Rc1/8	140	18	26	17.5	10.63	1.85
GR5520DS-CALR	55	20	9.5250	47.6	2.5x1	76700	207800	420	112	115	L	12.5	28	172	C	-	-	-	-	-	-	Rc1/8	140	18	26	17.5	8.60	1.85
GR5520DS-DALR	55	20	9.5250	47.6	2.5x1	76700	207800	420	112	115	L	12.5	28	172	D	-	-	-	-	-	66	Rc1/8	140	18	26	17.5	8.27	1.85
GR5520ES-CALR	55	20	9.5250	47.6	2.5x2	139100	415600	780	112	175	L	12.5	28	172	C	-	-	-	-	-	-	Rc1/8	140	18	26	17.5	11.56	1.85
GR5520ES-DALR	55	20	9.5250	47.6	2.5x2	139100	415600	780	112	175	L	12.5	28	172	D	-	-	-	-	-	66	Rc1/8	140	18	26	17.5	11.23	1.85

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

KURODA  
VIZI JENATEC

C-25

**Screw shaft diameter ø55**

GR series

Screw shaft diameter ø55