

# FLEXXOR Engineering Data Close-coupled - Metric

Size	Torque Configuration	Max Continuous	Max KW/1000	Max RPM	Axial Travel		Axial Spring	Angular Deflection		Angular Spring Rate	A Outer Diameter (mm)		B Max Bore	C Standard Hub Length
		Torque (N-m) *1	RPM		(± mm) Std / Max	Rate (N/mm)	(± deg) Std / Max	(Nm/deg) Std / Max	Min / Max	(mm)*2	(mm)*2			
40	Min	16	2	120,000	0.30	0.73	7.9	0.3	0.5	0.34	38.9	45.7	15.1	13
	Max	27	3				13.1			0.34				
50	Min	34	4	90,586	0.36	0.85	10.5	0.3	0.5	0.34	51.3	61.5	21.4	19
	Max	56	7				21.0			0.68				
80	Min	134	14	59,664	0.51	1.22	13.1	0.3	0.5	0.51	78.0	86.4	34.3	33
	Max	223	28				26.3			1.02				
100	Min	280	29	46,784	0.71	1.71	18.4	0.3	0.5	1.36	92.4	110	42.5	48
	Max	466	58				36.8			2.71				
125	Min	550	58	38,389	0.91	2.19	46.0	0.3	0.5	3.05	115	135	53.8	64
	Max	917	115				91.9			6.10				
162	Min	1,200	125	29,233	1.27	3.05	48.6	0.3	0.5	6.27	150	177	69.9	81
	Max	2,000	251				97.2			12.5				
200	Min	2,227	233	23,756	1.52	3.66	59.9	0.3	0.5	11.9	185	217	85.7	86
	Max	3,712	465				120			23.7				
250	Min	4,413	461	19,067	1.83	4.39	74	0.3	0.5	19.0	233	278	108.0	107
	Max	7,355	923				149			38.0				
312	Min	8,552	895	15,125	2.29	5.49	112	0.3	0.5	39.0	292	341	136.5	140
	Max	14,253	1,790				225			78.0				
400	Min	17,999	1,885	11,848	2.95	7.07	134	0.3	0.5	79.7	373	436	174.6	178
	Max	35,997	3,770				268			159				
500	Min	35,082	3,680	9,580	3.71	8.90	158	0.3	0.5	156	469	544	215.9	229
	Max	70,164	7,360				315			312				
562	Min	53,300	5,582	8,480	4.29	10.30	166	0.3	0.5	120	552	610	246.1	254
	Max	88,834	9,303				333			200				
630	Min	70,571	7,390	7,590	4.57	10.97	121	0.3	0.5	290	585	683	269.9	262
	Max	117,618	12,317				242			483				
800	Min	140,328	14,696	5,960	5.89	14.14	164	0.3	0.5	545	742	865	349.3	305
	Max	280,656	29,391				333			1090				
1000	Min	278,283	29,145	4,700	7.11	17.07	210	0.3	0.5	819	996	1105	428.6	406
	Max	556,566	58,291				420			1638				
1250	Min	543,686	56,939	3,850	9.14	21.95	228	0.3	0.5	1181	1252	1429	539.8	483
	Max	1,087,372	113,878				438			2237				

**Notes:** For weight and inertia information, contact CCA.

1. Peak Torque values are generally 2 times the Max Continuous Torque value.
2. If the values listed do not fit your application, please contact CCA for more options.

## Materials

- Hubs - 4000 series or equivalent alloy steel heat treated to 130,000 PSI UTS minimum.
- Hub Rings, sleeves - 1018, 1026 carbon steel or 4000 series alloy. Diaphragms - 17-7 PH, 301 full hard.
- Bolts - AISI 4140, 4340, 6150, 8740 alloy steel heat treated grade 8 min. Locknuts - Grade C min.
- Special materials available such as Stainless, Inconel, Bery um copper, Titanium, Monel.

