

FLEXXOR Engineering Data - Metric

Size	Torque Configuration	Max Continuous Torque	Max KW/1000	Max RPM	Axial Travel		Axial Spring Rate	Angular Deflection		Angular Spring Rate	Outer Diameter		Max Bore	Min. Distance Between shaft ends	Standard Hub Length
		(N-m)*1	RPM		(± mm)*2	(N/mm)*3	(± deg)*2	(Nm/deg)	(mm)	(mm)*4	(mm)*4	(mm)*4			
					Std	Max		Std	Max	Std / Max*3	Min / Max				
40	Min	16	2	120,000	0.3	0.7	7.9	0.3	0.5	0.34	39	46	25.4	19	12.7
	Max	27	3				13.1			0.34					
50	Min	34	4	90,586	0.4	0.9	10.5	0.3	0.5	0.34	51	61	27.9	25	19.1
	Max	56	7				21.0			0.68					
80	Min	134	14	59,664	0.5	1.2	13.1	0.3	0.5	0.51	78	86	31.8	38	33.0
	Max	223	28				26.3			1.02					
100	Min	280	29	46,784	0.7	1.7	18	0.3	0.5	1.36	92	110	34.9	53	48.3
	Max	466	58				37			2.71					
125	Min	550	58	38,389	0.9	2.2	46	0.3	0.5	3.05	115	135	47.6	76	63.5
	Max	917	115				92			6.10					
162	Min	1,200	125	29,233	1.3	3.0	49	0.3	0.5	6.27	150	177	102	94	81.3
	Max	2,000	251				97			12.5					
200	Min	2,227	233	23,756	1.5	3.7	60	0.3	0.5	11.9	185	217	130	102	86.4
	Max	3,712	465				120			23.7					
250	Min	4,413	461	19,067	1.8	4.4	74	0.3	0.5	19.0	233	278	143	114	107
	Max	7,355	923				149			38.0					
312	Min	8,552	895	15,125	2.3	5.5	112	0.3	0.5	39.0	292	341	165	152	140
	Max	14,253	1,790				225			78.0					
400	Min	17,999	1,885	11,848	2.9	7.1	134	0.3	0.5	79.7	373	436	204	203	178
	Max	35,997	3,770				268			159					
500	Min	35,082	3,680	9,580	3.7	8.9	158	0.3	0.5	156	469	544	222	241	229
	Max	70,164	7,360				315			312					
562	Min	53,300	5,582	8,480	4.3	10.3	166	0.3	0.5	120	552	610	254	279	254
	Max	88,834	9,303				333			200					
630	Min	70,571	7,390	7,590	4.6	11.0	121	0.3	0.5	290	585	683	279	305	262
	Max	117,618	12,317				242			483					
800	Min	140,328	14,696	5,960	5.9	14.1	164	0.3	0.5	545	742	865	356	330	305
	Max	280,656	29,391				333			1090					
1000	Min	278,283	29,145	4,700	7.1	17.1	210	0.3	0.5	819	996	1105	457	432	406
	Max	556,566	58,291				420			1638					
1250	Min	543,686	56,939	3,850	9.1	21.9	228	0.3	0.5	1181	1252	1429	559	508	483
	Max	1,087,372	113,878				438			2237					

Note: For weight and inertia information, contact CCA

*1 Peak torque values are 2 times Max Continuous Torque

Each size can be configured for higher/lower torque

*2 C config. listed - for CC config. double all values

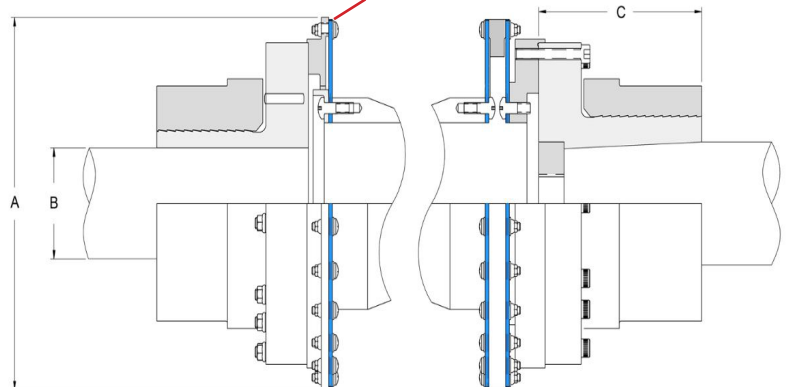
*3 C config. listed - for CC config. all values are half

*4 For custom dimensions, contact CCA

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 to grade 8 min. Locknuts - Grade C min.
- Special materials available such as Stainless, Inconel, Beryllium copper, Titanium, Monel.

The FLEXXOR C model consists of a single set of diaphragms at each end of either a tubular, quill shaft or solid spacer.



CC FLEXXORS use two sets of diaphragms at each end of the spacer. Therefore, CC models have twice the axial travel and 1/2 the spring rate of C models.