

FLEXXOR Engineering Data Close-coupled - English

Size	Torque Configuration	Max Continuous Torque (in-lbs) *1	Max HP per 1000 RPM	Max RPM	Axial Travel (± in)		Axial Spring Rate (lb/0.001 in)	Angular Deflection (± Deg)		Angular Spring Rate (in-lb/deg)	A Outer Diameter (in)		B Max Bore (in) *2	Min. Standard Hub Length (in) *2
					Std	Max		Std	Max		Min	Max		
40	Min	144	2	120,000	0.012	0.029	0.05	0.3	0.5	3	1.5	1.8	0.6	0.5
	Max	240	4				0.08			3				
50	Min	300	5	90,586	0.014	0.034	0.06	0.3	0.5	3	2.0	2.4	0.8	0.8
	Max	500	10				0.12			6				
80	Min	1,182	19	59,664	0.020	0.048	0.08	0.3	0.5	5	3.1	3.4	1.4	1.3
	Max	1,970	37				0.15			9				
100	Min	2,475	39	46,784	0.028	0.067	0.11	0.3	0.5	12	3.6	4.4	1.7	1.9
	Max	4,125	78				0.21			24				
125	Min	4,869	77	38,389	0.036	0.086	0.26	0.3	0.5	27	4.5	5.3	2.1	2.5
	Max	8,115	155				0.53			54				
162	Min	10,620	168	29,233	0.050	0.120	0.28	0.3	0.5	56	5.9	7.0	2.8	3.2
	Max	17,700	336				0.56			111				
200	Min	19,710	312	23,756	0.060	0.144	0.34	0.3	0.5	105	7.3	8.5	3.4	3.4
	Max	32,850	624				0.68			210				
250	Min	39,060	619	19,067	0.072	0.173	0.42	0.3	0.5	168	9.2	10.9	4.3	4.2
	Max	65,100	1,238				0.85			336				
312	Min	75,690	1,200	15,125	0.090	0.216	0.64	0.3	0.5	345	11.5	13.4	5.4	5.5
	Max	126,150	2,400				1.28			690				
400	Min	159,300	2,528	11,848	0.116	0.278	0.77	0.3	0.5	705	14.7	17.2	6.9	7.0
	Max	318,600	5,055				1.53			1,410				
500	Min	310,500	4,935	9,580	0.146	0.350	0.90	0.3	0.5	1,380	18.5	21.4	8.5	9.0
	Max	621,000	9,870				1.80			2,760				
562	Min	471,744	7,485	8,480	0.169	0.406	0.95	0.3	0.5	1,062	21.8	24.0	9.7	10.0
	Max	786,240	12,475				1.90			1,770				
630	Min	624,600	9,911	7,590	0.180	0.432	0.69	0.3	0.5	2,565	23.1	26.9	10.6	10.3
	Max	1,041,000	16,518				1.38			4,275				
800	Min	1,242,000	19,707	5,960	0.232	0.557	0.94	0.3	0.5	4,824	29.2	34.1	13.8	12.0
	Max	2,484,000	39,414				1.90			9,648				
1000	Min	2,463,000	39,084	4,700	0.280	0.672	1.20	0.3	0.5	7,250	39.2	43.5	16.9	16.0
	Max	4,926,000	78,169				2.40			14,500				
1250	Min	4,812,000	76,356	3,850	0.360	0.864	1.30	0.3	0.5	10,450	49.3	56.3	21.3	19.0
	Max	9,624,000	152,713				2.50			19,800				

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.

