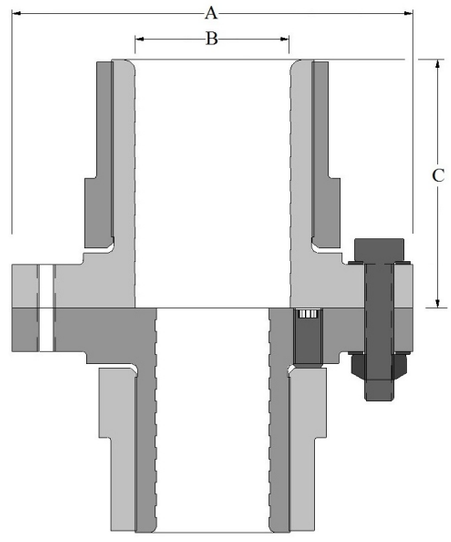
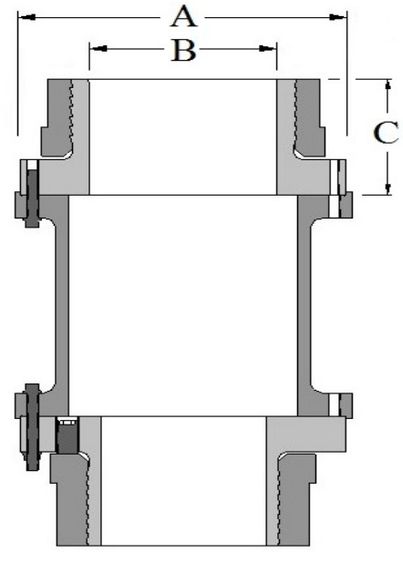
Vertical Rigid Coupling
Engineering Data- English

Nominal Sizes		Parameters					A *	B		C*
		Max. Cont. Torque (in-lb)	Peak Torque (in-lb)	Max Speed (rpm)	Weight (lbm)	Inertia (lb-in^2)	Outer Diameter (in)	Min. Bore (in)	Max. Bore (in)	Hub Length (in)
080	A	1,875	3,152	59,664	1.208	0.995	2.77	0.830	1.030	1.416
	B	1,875	3,152	59,664	0.926	0.926	2.77	0.880	1.550	1.415
100	A	3,400	6,800	46,784	2.374	2.603	3.45	0.950	1.175	2.017
	B	3,400	6,800	46,784	1.988	2.431	3.45	1.175	1.530	2.017
	C	4,260	8,520	46,784	2.035	2.969	3.45	1.530	1.795	2.022
	D	4,260	8,520	46,784	1.846	2.806	3.45	1.795	1.910	2.025
	E	4,260	8,520	46,784	1.976	3.488	3.45	1.910	2.075	2.028
125	A	4,869	9,738	38,389	4.495	8.017	4.23	1.000	1.250	1.943
	B	6,492	12,984	38,389	4.283	7.92	4.23	1.250	1.430	1.942
	C	6,492	12,984	38,389	4.158	8.068	4.23	1.430	1.670	2.042
	D	8,115	16,230	38,389	3.633	7.62	4.23	1.670	2.000	2.041
	E	8,115	16,230	38,389	3.345	8.551	4.23	2.000	2.410	2.041
162	A	17,800	35,600	29,233	11.3	37.0	5.47	1.625	2.000	3.21
	B	17,800	35,600	29,233	9.8	35.7	5.47	2.000	2.625	3.46
	C	17,800	35,600	29,233	6.5	28.4	5.47	2.625	3.500	3.47
	D	17,800	35,600	29,233	7.0	36.1	5.47	3.500	4.000	3.71
200	A	34,200	68,400	23,756	20.0	103.4	6.77	2.125	2.625	3.59
	B	34,200	68,400	23,756	14.2	87.0	6.77	2.625	3.625	3.35
	C	34,200	68,400	23,756	11.3	81.8	6.77	3.625	4.375	2.99
	D	34,200	68,400	23,756	11.6	94.4	6.77	4.375	4.875	3.23
250	A	67,700	135,400	19,067	37.9	304	8.63	2.500	3.250	4.73
	B	67,700	135,400	19,067	26.7	244	8.63	3.250	4.250	4.24
	C	67,700	135,400	19,067	20.8	210	8.63	4.250	4.875	3.61
	D	67,700	135,400	19,067	25.0	281	8.63	4.875	5.250	3.48
312	A	105,966	211,932	15,125	46.6	562	10.59	3.800	4.390	5.21
	B	132,457	264,914	15,125	49.0	614	10.59	4.390	4.710	5.22
	C	132,457	264,914	15,125	46.5	605	10.59	4.710	5.070	5.23
	D	158,949	317,898	15,125	47.8	683	10.59	5.070	5.670	5.23
	E	158,949	317,898	15,125	42.8	662	10.59	5.670	6.260	5.24
400	A	223,020	446,040	11,848	105.5	1,791	14.10	4.000	4.600	7.00
	B	278,775	557,550	11,848	115.4	2,148	14.10	4.600	5.250	7.00
	C	278,775	557,550	11,848	101.7	1,995	14.10	5.250	5.900	7.01
	D	350,000	700,000	11,848	119.0	2,769	14.10	5.900	6.650	7.61
	E	350,000	700,000	11,848	108.8	2,689	14.10	6.650	7.325	7.87
	F	350,000	700,000	11,848	99.7	2,632	14.10	7.325	8.050	8.37
500	A	418,140	836,280	9,485	201.9	4,330	14.77	4.500	5.292	8.696
	B	522,170	1,044,340	9,485	200.5	4,760	14.77	5.292	6.200	8.713
	C	625,000	1,250,000	9,485	194.0	4,845	14.77	6.200	7.000	9.484
	D	625,000	1,250,000	9,485	164.6	4,433	14.77	7.000	7.970	9.503
	E	625,000	1,250,000	9,485	153.1	4,668	14.77	7.970	8.750	9.523
562		832,800	1,665,600	8,430	282.2	9,711	19.34	5.70	6.75	8.71
630		1,093,050	2,186,100	7,556	292.0	11,445	21.25	7.000	12.000	9.06
800		2,173,500	4,347,000	5,966	Contact CCA for more information					
1000		4,105,500	8,211,000	4,672						
1250		8,020,500	16,041,000	3,719						





*Hubs can be designed for shorter shafts and different A dimensions; consult CCA
Weight and inertia are given for maximum bore
Sizes larger than 500 are application specific; numbers listed are estimates
Slip values are approximately 3X values shown
Values given are subject to change

Materials

Hub body and collar - 4000 series or equivalent alloy steel heat treated to 130,000 PSI UTS minimum.