UNIQUE METAFLEX COUPLINGS

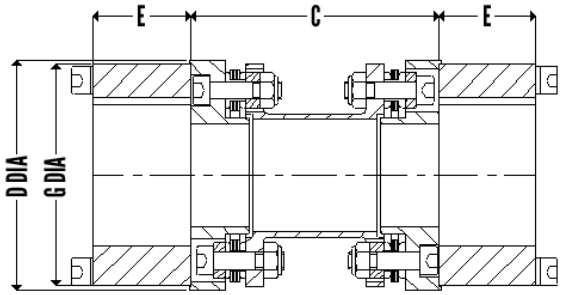
Series 80 XSP Coupling

These couplings have captured centre member, this feature prevents spacer sub assembly from flying off even in unlikely event of disc as well as bolt failure.

* meet API 610 requirements

*can be supplied to API671 on request

GENERAL ASSEMBLY DRAWING



DIMENSIONS AND STANDARD SIZES

Size	Nominal HP/100 *RPM*	Rating Torque *NM*	Peak Torque *NM*	Max Speed *RPM*	Max Bore *MM*	E-Hub Length *MM*	D Dia *MM*	F Dia *MM*	STD C *MM*
65	0.45	32	64	25000	42	28	66	63	100
80	0.90	64	128	25000	48	30	75	72	100
100	1.80	128	256	25000	55	32	87	83	100
125	2.60	185	370	20000	65	41	102	98	100
150	4.00	285	570	20000	70	45	105	102	100
162	7.00	500	1000	18000	75	48	115	111	140
180	9.00	640	1280	18000	90	55	130	125	140
200	12.00	855	1710	16000	95	54	143	138	140
220	15.00	1070	2140	16000	102	62	152	148	140
225	18.00	1282	2564	14600	100	67	150	145	140
250	25.00	1780	3560	12300	115	76	173	168	140
262	33.00	2350	4700	12300	115	76	173	168	140
300	56.00	3990	7980	11000	140	86	203	198	180
312	56.00	3990	7980	11000	140	86	203	198	180
350	70.00	4990	9980	10500	155	95	227	221	180
375	100.00	7125	14250	10000	170	102	252	246	200
425	140.00	9975	19950	8000	185	108	273	273	200
450	170.00	12110	24220	7000	200	114	293	293	250
500	270.00	19230	38460	6000	230	127	333	333	250

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ENGINEERING DATA

Size	Mass	Inertia	Maximum Misalignment		Torsional Stiffness	Axial Spring Rate	Bolt Torque	
			Axial	Radial				
	KG	*KG.M^2*	*MM*	*RPM*	*MNM/Rad*	*MM*	*# NM*	*## MM*
65	2	0.001	1.0	0.6	0.017	25	6	6
80	3	0.002	1.2	0.6	0.031	30	10	6
100	4	0.004	2.0	0.6	0.044	50	24	10
125	5	0.009	2.0	0.8	0.080	60	24	24
150	6	0.010	1.3	0.8	0.130	150	24	24
162	8	0.016	1.3	1.2	0.210	100	24	24
180	11	0.030	1.5	1.2	0.270	130	48	48
200	13	0.044	1.8	1.2	0.370	165	48	48
220	17	0.062	2.0	1.2	0.470	130	48	48
225	17	0.058	1.4	1.2	0.600	275	48	48
250	23	0.115	2.2	1.2	0.800	195	48	48
262	23	0.115	1.5	1.2	1.100	350	48	48
300	38	0.250	3.0	1.2	1.400	370	200	80
312	34	0.240	1.9	1.2	1.500	415	80	80
350	51	0.440	2.0	1.2	2.800	500	200	200
375	66	0.700	2.3	1.5	3.700	540	200	200
425	95	1.220	2.5	1.5	5.800	725	400	400
450	115	1.700	2.8	1.7	6.600	755	400	400
500	152	3.000	3.0	1.9	11.000	920	400	400

Mass , Inertia, Stiffness are at max bore with standard spacer dimension C listed above. Other C dimension are available as required on request . Hub dimensions can be modified to suit special needs. Max angular misalignment 0.50 Deg /Pack .Misalignment limits are for speeds upto 3000 RPM. For higher Speeds consult us. Bolt Tightening Torques - # for Disc Pack Bolts, ## for Hub Bolts.

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