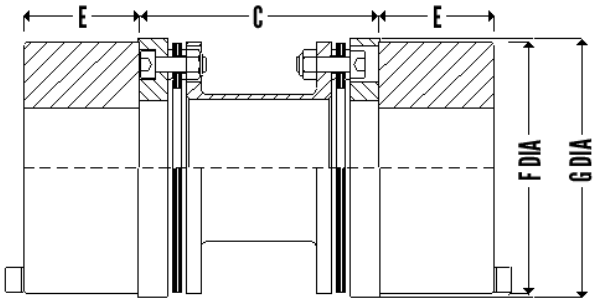
UNIQUE METAFLEX COUPLINGS

Series 80 SP Coupling

This style is also a simple variation of Series 80 with large hub at both ends and is suitable for applications where both driving and driven shaft diameters are comparatively large.

GENERAL ASSEMBLY DRAWING



DIMENSIONS AND STANDARD SIZES

Size	Nominal HP/100 *RPM*	Rating Torque *NM*	Peak Torque *NM*	Max Speed *RPM*	Max Bore D1 *MM*	Max Bore D2 *MM*	D Dia *MM*	F Dia *MM*	E,Hub Length *MM*	Std C *MM*
65	0.45	32	64	25000	28	42	66	63	28	100
80	0.90	64	128	25000	38	48	75	72	30	100
100	1.80	128	256	25000	42	55	87	83	32	100
125	2.60	185	370	20000	48	65	102	98	41	100
150	4.00	285	570	20000	48	70	105	102	45	100
162	7.00	500	1000	18000	55	75	115	111	48	140
180	9.00	640	1280	18000	65	90	130	125	55	140
200	12.00	855	1710	16000	70	95	143	138	54	140
220	15.00	1070	2140	16000	80	102	152	148	62	140
225	18.00	1282	2564	14600	75	100	150	145	67	140
250	25.00	1780	3560	12300	90	115	173	168	76	140
262	33.00	2350	4700	12300	90	115	173	168	76	140
300	56.00	3990	7980	11000	110	140	203	198	86	180
312	56.00	3990	7980	11000	110	140	203	198	86	180
350	70.00	4990	9980	10500	115	155	227	221	95	180
375	100.00	7125	14250	10000	130	170	252	246	102	200
425	140.00	9975	19950	8000	130	185	273	273	108	200
450	170.00	12110	24220	7000	145	200	293	293	114	250
500	270.00	19230	38460	6000	175	230	333	333	127	250
65	0.45	32	64	25000	28	42	66	63	28	100
80	0.90	64	128	25000	38	48	75	72	30	100
100	1.80	128	256	25000	42	55	87	83	32	100
125	2.60	185	370	20000	48	65	102	98	41	100
150	4.00	285	570	20000	48	70	105	102	45	100

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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Series 80 SP Coupling

ENGINEERING DATA

Size	Mass *KG*	Inertia MR^2 KG.M^2	Maximum Misalignment AXIAL *MM*	RADIAL *MM*	Torsional Stiff *MNM/Rad*	Axial Spring Rate *N/MM*	Bolt Tight Torque *# NM*	## MM
65	2	0.001	1	0.6	0.01	25	6	6
80	3	0.002	1.2	0.6	0.02	30	10	6
100	4	0.004	2	0.6	0.06	50	24	10
125	5	0.009	2	0.8	0.06	60	24	24
150	6	0.010	1.3	0.8	0.06	150	24	24
162	8	0.016	1.3	1.2	0.18	100	24	24
180	11	0.030	1.5	1.2	0.20	130	48	48
200	13	0.044	1.8	1.2	0.20	165	48	48
220	17	0.062	2.0	1.2	0.26	130	48	48
225	17	0.058	1.4	1.2	0.26	275	48	48
250	23	0.115	2.2	1.2	0.38	195	48	48
262	23	0.115	1.5	1.2	0.44	350	48	48
300	38	0.254	3.0	1.2	0.64	370	200	80
312	34	0.237	1.9	1.2	0.64	415	80	80
350	51	0.440	2.0	1.2	1.07	500	200	200
375	66	0.700	2.3	1.5	1.38	540	200	200
425	95	1.220	2.5	1.5	2.14	725	400	400
450	115	1.700	2.8	1.7	2.36	755	400	400
500	152	3.000	3.0	1.9	3.92	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.

All Dimensions are in "mm" unless specified.
The dimensions are for standard execution and subject to change without notice.

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