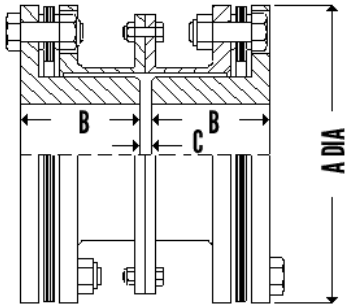
UNIQUE METAFLEX COUPLINGS

Series 80 CC Coupling

The design permits very small distance between shaft ends. The design is ideal for applications where non-spacer Gear couplings are to be replaced by Metaflex Couplings.This design has twin disc packs permitting misalignment in all directions.Either driving or driven equipment is to be shifted for removal of disc packs.

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*	G Dia *MM*
65	0.45	32	64	20000	15	28	63	3
80	0.9	64	128	20000	18	30	72	3
100	1.8	128	256	18650	20	32	83	3
125	2.6	185	370	15800	26	41	98	3
162	7.0	500	1000	13900	42	48	111	3
200	12.0	855	1710	11200	53	54	138	3
220	15.0	1070	2140	10450	60	62	148	3
225	18.0	1282	2564	10450	60	67	145	3
250	25.0	1780	3560	9200	70	76	168	5
262	33.0	2350	4700	9200	75	76	168	5
300	56.0	3990	7980	7800	75	86	198	5
312	56.0	3990	7980	7800	90	86	198	5
350	70.0	4990	9980	7000	90	95	221	6
375	100.0	7125	14250	6300	110	102	246	6
425	140.0	9975	19950	5800	115	108	267	6
450	170.0	12110	24220	5400	125	114	287	8
500	270.0	19230	38460	4700	140	127	327	8
550	400.0	28500	57000	4200	160	148	367	10
600	500.0	35625	71250	3800	180	153	406	10
700	800.0	57000	114000	3300	200	178	464	10
750	1100.0	78375	228000	3000	210	191	503	12
800	1600.0	114000	302000	3000	220	210	546	12

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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ENGINEERING DATA

	Mass	Inertia MR^2	Maximum Misalignment		Torsional Stiff	Axial Spring Rate	Bolt Tight Torque	
	KG	*KG.M^2*	*AXIAL MM*	*RADIAL MM*	*MNM/RAD*	*N/MM*	*# NM*	*##MM*
65	0.9	0.0004	1.0	0.6	0.01	25	6	6
80	1.2	0.0007	1.2	0.6	0.02	30	10	6
100	2.0	0.0013	2.0	0.6	0.06	50	24	6
125	3.0	0.004	2.0	0.8	0.06	60	24	10
162	4.0	0.007	1.3	0.8	0.18	100	24	10
200	7.6	0.018	1.8	0.8	0.20	165	48	24
220	9.4	0.026	2.0	0.8	0.26	130	48	24
225	9.8	0.027	1.4	0.8	0.26	275	48	24
250	13.7	0.048	2.2	0.9	0.38	195	48	24
262	13.7	0.049	1.5	0.9	0.44	350	48	24
300	22.0	0.10	3.0	1.2	0.64	370	200	24
312	21.0	0.11	1.9	1.2	0.64	415	80	24
350	30.0	0.19	2.0	1.2	1.07	500	200	48
375	41.0	0.31	2.3	1.5	1.38	540	200	80
425	54.0	0.50	2.5	1.5	2.14	725	400	80
450	64.0	0.69	2.8	1.7	2.36	755	400	200
500	92.0	1.24	3.0	1.9	3.92	920	400	200
550	126.0	2.19	3.2	2.1	5.64	920	540	200
600	167.0	3.45	3.7	2.1	6.93	900	700	400
700	259.0	7.15	4.1	2.4	11.3	1230	1400	540
750	321.0	10.25	4.6	2.4	15	1480	1800	700
800	428.0	16.12	5.0	2.6	ON REQ	ON REQ	2400	700

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

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