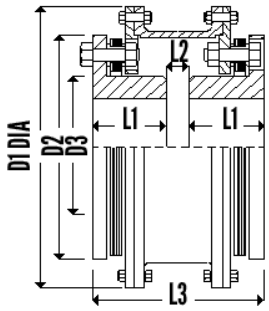
UNIQUE METAFLEX COUPLINGS

Series 80 CCS Coupling

This is also a close coupled design. The spacer is of split design. Split spacer permits removal/fitment of disc packs without having to shift connected equipment. This design has also twin disc packs permitting misalignment in all directions.

GENERAL ASSEMBLY DRAWING



DIMENSIONS AND STANDARD SIZES

Size	Nominal HP/100 *RPM*	Rating Torque *NM*	Peak Torque *NM*	Max Speed *RPM*	Max Bore *MM*	L1 Hub Length *MM*	D1 Dia *MM*	D2 Dia *MM*	D3 Dia *MM*	L2 MM	L3 MM
100	1.8	128	256	7600	20	32	120	83	MM	10	74
125	2.6	185	370	7000	28	41	135	98	28	12	93
162	7.0	500	1000	6200	45	48	152	111	38	13	109
200	12.0	855	1710	5300	55	54	180	138	62	14	122
220	15.0	1070	2140	5000	60	62	190	148	75	14	138
225	18.0	1282	2564	5000	60	67	190	145	84	15	149
250	25.0	1780	3560	4400	70	76	219	168	89	16	168
262	33.0	2350	4700	4400	75	76	219	168	100	16	168
300	56.0	3990	7980	3800	75	86	254	201	106	16	188
312	56.0	3990	7980	3800	90	86	254	201	106	16	188
350	70.0	4990	9980	3400	90	95	280	221	128	18	208
375	100.0	7125	14250	3000	110	102	320	246	128	18	222
425	140.0	9975	19950	2800	115	108	340	267	154	22	238
450	170.0	12110	24220	2600	125	114	365	287	165	22	250
500	270.0	19230	38460	2200	140	127	428	323	176	25	279
550	400.0	28500	57000	2000	160	148	465	367	200	32	328
600	500.0	35625	71250	1800	180	153	520	406	228	32	338
700	800.0	57000	114000	1800	210	178	560	464	255	36	392
750	1100.0	78375	156750	1800	240	200	600	503	290	32	432

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

Size	Mass	Inertia MR^2	Maximum Misalignment		Axial Spring Rate	Bolt Tight Torque	
	KG	*KG.M^2*	*AXIAL MM*	*RADIAL MM*	*N/MM*	*# NM*	*##MM*
100	3.0	0.004	2.0	0.6	50	24	10
125	4.7	0.009	2.0	0.8	60	24	10
162	5.5	0.014	1.3	0.8	100	24	10
200	9.5	0.036	1.8	0.8	165	48	24
220	11.0	0.053	2.0	0.8	130	48	24
225	11.0	0.053	1.4	0.8	275	48	24
250	19.0	0.100	2.2	0.9	195	48	24
262	20.0	0.100	1.5	0.9	350	48	24
300	32.0	0.190	3.0	1.2	370	200	24
312	29.0	0.210	1.9	1.2	415	80	24
350	46.0	0.350	2.0	1.2	500	200	48
375	58.0	0.700	2.3	1.5	540	200	48
425	75.0	1.000	2.5	1.5	725	400	80
450	90.0	1.400	2.8	1.7	755	400	80
500	130.0	2.900	3.0	1.9	920	400	80
550	185.0	4.800	3.2	2.1	920	540	200
600	230.0	7.800	3.7	2.1	900	700	200
700	278.0	10.500	4.1	2.4	1230	1400	200
750	400.0	16.000	4.6	2.4	800	1800	200

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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