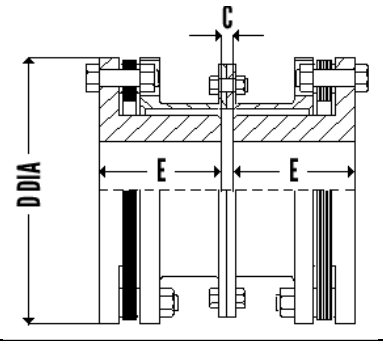
UNIQUE METAFLEX COUPLINGS

Series 54 Coupling

The design permits very small distance between shaft ends.The design is ideal for applications where nonspacer Gear Couplings are to be replaced by Metaflex Couplings.

The design has twin disc packs & accommodates misalignment in all directions. The design however requires either driving or driven machine 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*
100	1.8	128	256	18650	25	39	83	3
125	3.7	263	526	15800	32	47	98	3
162	6.9	491	982	13900	42	48	111	3
200	13.5	962	1924	11200	53	54	138	3
225	19.0	1353	2706	10450	58	58	145	3
262	27.8	1980	3960	9200	70	66	168	5
312	38.6	2750	5500	7800	85	72	198	5
350	73.6	5243	10486	7000	100	83	221	6
375	98.6	7025	14050	6300	105	90	246	6
425	114.0	8120	16240	5800	110	101	267	6
450	137.0	9760	19520	5400	120	114	287	8
500	257.0	18310	36620	4700	140	120	327	8
550	341.0	24290	48580	4200	160	135	367	10
600	471.0	33550	67100	3800	175	153	406	10
700	659.0	46945	93890	3300	180	178	464	10
750	846.0	60265	120530	3000	190	197	503	12
800	1103.0	78575	157150	3000	203	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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Series 54 Coupling

ENGINEERING DATA

Size	Mass *KG*	Inertia MR^2 *KG.M^2*	Maximum Misalignment AXIAL *MM*	Maximum Misalignment RADIAL *MM*	Torsional Stiff *MNM/Rad*	Axial Spring Rate *N/MM*	Bold Tight Torque *# NM*	Bold Tight Torque *##MNM*
100	1.8	0.001	0.9	0.6	0.07	50	10	6
125	2.5	0.002	0.9	0.8	0.07	70	24	10
162	4.0	0.005	0.9	1.2	0.21	100	24	10
200	7.0	0.014	0.9	1.2	0.24	190	48	24
225	7.5	0.018	0.9	1.2	0.31	275	48	24
262	12.0	0.041	1.1	1.2	0.50	350	48	24
312	18.0	0.090	1.3	1.2	0.76	415	80	48
350	26.0	0.160	1.4	1.2	1.18	500	200	80
375	36.0	0.230	1.6	1.5	1.50	540	200	80
425	48.0	0.420	1.7	1.5	2.35	725	400	200
450	60.0	0.600	1.8	1.7	2.60	755	400	200
500	85.0	1.120	2.1	1.9	4.30	920	400	200
550	122.0	2.100	2.3	2.1	6.20	920	540	200
600	164.0	3.400	2.6	2.1	7.60	900	700	400
700	250.0	6.600	2.9	2.4	12.4	1230	1400	540
750	305.0	9.700	3.2	2.4	16.5	1480	1800	700
800	393.0	14.800	3.5	2.6	ON REQ	ON REQ	2400	700

Mass , Inertia,Stiffness are at max bore with standard dimension C listed above. Other C Dimension 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 spacer bolts .

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