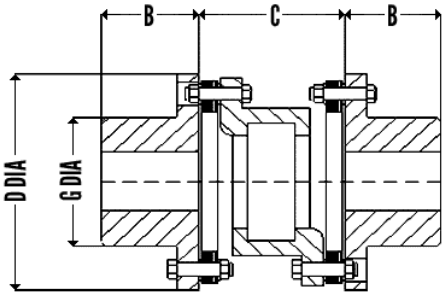
UNIQUE METAFLEX COUPLINGS

Series AMR Coupling

Type AMR Couplings are designed for heavy duty applications at slow to medium speeds. These are very suitable for heavy duty motor and diesel engine drives with high starting torques , shock load or reversing load. The open lug type center member gives adequate clearance for bolt removal while requiring minimum space for machine installation.The center member can be removed without having to shift connected machines.

GENERAL ASSEMBLY DRAWING



DIMENSIONS AND STANDARD SIZES

Size	Nominal HP/100 *RPM*	Nominal Rating Torque *NM*	Peak Torque Rating *NM*	Max Speed *RPM*	Max Bore *MM*	D *MM*	B *MM*	C *MM*	G *MM*
162	6.9	490	590	2500	42	117	44	67	70
200	13.5	960	1150	2500	55	146	54	76	84
225	19	1350	1620	2500	60	153	64	76	95
262	24.3	1730	2075	2500	70	175	73	89	114
312	34.1	2425	2910	2500	85	206	86	105	138
350	76.2	5420	6505	2500	90	232	95	116	152
375	99.7	7095	8515	2200	100	256	102	130	165
425	127	9035	10840	2000	110	279	108	141	177
450	157	11170	13405	1900	115	302	114	151	189
500	232	16505	19805	1800	130	341	127	173	213
550	300	21345	25615	1800	150	381	140	195	240
600	414	29455	35345	1800	160	425	153	215	262
700	659	46890	56270	1500	180	481	178	245	298
750	846	60190	72230	1500	200	524	184	267	321
800	1087	77340	92810	1200	215	568	197	289	349
850	1297	92280	110735	1100	225	603	210	308	368
925	1651	117470	140965	1000	250	654	229	337	403
1000	2063	146780	176135	900	275	718	241	368	445

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ENGINEERING DATA

Size	Mass	Inertia MR^2	Maximum Misalignment		Torsional Stiff	*Bolt Tightening Torque*
	KG	*KG.M^2*	AXIAL *MM*	RADIAL *MM*	*MNM/Rad* *MNm/Rad*	*Nm*
162	6	0.006	0.91	0.58	0.25	24
200	9	0.017	0.91	0.66	0.43	48
225	10	0.023	0.91	0.66	0.84	48
262	15	0.047	1.09	0.77	1.30	48
312	25	0.112	1.30	0.92	2.30	80
350	34	0.194	1.42	1.01	2.90	200
375	50	0.320	1.57	1.13	4.10	200
425	59	0.470	1.70	1.23	5.90	400
450	73	0.680	1.83	1.32	7.00	400
500	100	1.200	2.08	1.51	10.00	400
550	136	2.150	2.33	1.70	16.00	540
600	170	3.220	2.59	1.88	18.00	700
700	260	6.300	2.92	2.14	29.00	900
750	315	9.500	3.18	2.33	38.00	1130
800	405	17.200	3.45	2.52	on request	on request
850	500	20.300	3.65	2.69	on request	
925	630	31.000	3.96	2.94	on request	
1000	910	48.000	4.36	3.20	on request	

Mass, Inertia & stiffness are at max bore. Standard construction has hubs in close grained cast iron for all sizes. Centre member are of cast iron upto size 600 and forged steel for larger sizes. Disc packs are of stainless steel for all sizes. Alternative materials including forged steel hubs with larger bore capacity available on request.

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