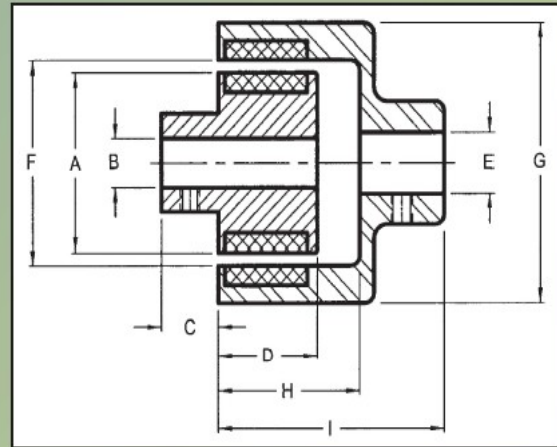


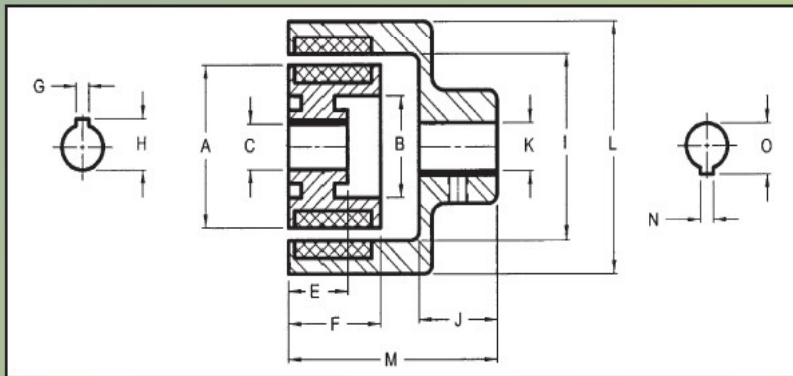
Co-Axial

Magnetic Couplings



Note: The dimensions and ratings for all co-axial type couplings are shown using only NdFeB type rare earth magnets. Ratings and dimensions may vary for the SmCo versions.

Part Number	Max Speed rpm	Weight (total) kg lb	Torque (normal) Nm in.lbs	Torque (peak) Nm in.lbs	INNER HUB				OUTER HUB				
					A	B	C	D	E	F	G	H	I
					mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch
MTC-0.1	44000	0.1	0.1	0.2	12.7	5	7	15	6	17.5	26	19	30
		0.2	1.0	1.75	0.50	0.197	0.28	0.59	0.236	0.69	1.02	0.75	1.18
MTC-0.3	26000	0.3	0.3	0.5	22	8	8	16	8	28	44	22	36
		0.6	2.6	4.5	0.87	0.315	0.31	0.63	0.315	1.10	1.73	0.87	1.42
MTC-1	22000	0.8	1.0	1.5	28	10	12	20	10	35	52	28	44
		1.7	9	13	1.10	0.394	0.47	0.79	0.394	1.38	2.13	1.10	1.73
MTC-3	18000	1.0	3	3.5	35	12	16	25	12	43	64	35	56
		2.2	27	30	1.38	0.472	0.63	0.98	0.472	1.69	2.52	1.38	2.20
MTC-10	13000	2.5	10	12	58	16	20	35	20	66	90	50	80
		5.5	90	105	2.28	0.630	0.79	1.38	0.787	2.60	3.54	1.97	3.15

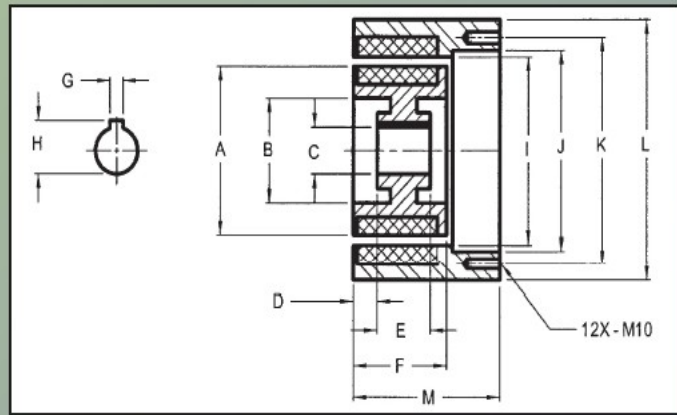


Part Number	Max Speed rpm	Weight (total) kg lb	Torque (normal) Nm in.lbs	Torque (peak) Nm in.lbs	INNER HUB								OUTER HUB							
					A	B	C	E	F	G	H	I	J	K	L	M	N	O		
					mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch		
MTC-16	13000	3.0	16	26	58	26	14	20	62	5	16.3	66	40	19	90	120	6	21.8		
		6.6	140	230	2.28	1.02	0.551	0.79	2.44	0.20	0.64	2.60	1.57	0.748	3.54	4.72	0.24	0.86		
MTC-22	9400	7	22	35	88	50	20	30	50	6	22.8	97	50	24	124	120	8	27.3		
		16	200	310	3.47	1.97	0.787	1.18	1.97	0.24	0.90	3.82	1.97	0.945	4.88	4.72	0.31	1.07		
MTC-30	9400	8	30	48	88	50	24	30	62	8	27.3	97	50	28	124	130	8	31.3		
		18	265	425	3.47	1.97	0.945	1.18	2.44	0.31	1.07	3.82	1.97	1.102	4.88	5.12	0.31	1.23		
MTC-50	7300	12	50	80	122	80	30	30	50	8	33.3	132	60	38	160	130	10	41.3		
		26	450	708	4.80	3.15	1.181	1.18	1.97	0.31	1.31	5.20	2.36	1.496	6.30	5.12	0.39	1.63		
MTC-65	7300	15	65	100	122	80	30	40	65	8	33.3	132	60	38	160	145	10	41.3		
		33	575	885	4.80	3.15	1.181	1.57	2.56	0.31	1.31	5.20	2.36	1.496	6.30	5.71	0.39	1.63		
MTC-80	6500	19	80	130	142	90	35	40	65	10	38.3	152	80	42	180	165	12	45.3		
		42	710	1151	5.59	3.54	1.378	1.57	2.56	0.39	1.51	5.98	3.15	1.654	7.09	6.50	0.47	1.78		
MTC-110	6500	22	110	165	142	90	35	40	80	10	38.3	152	80	42	180	180	12	45.3		
		48	1000	1460	5.59	3.54	1.378	1.57	3.15	0.39	1.51	5.98	3.15	1.654	7.09	7.09	0.47	1.78		
MTC-140	6500	29	140	210	142	90	40	40	110	12	43.3	152	80	48	180	210	14	51.8		
		64	1250	1859	5.59	3.54	1.575	1.57	4.33	0.47	1.70	5.98	3.15	1.890	7.09	8.27	0.55	2.04		

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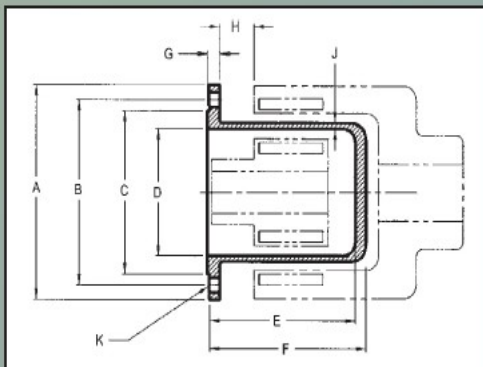
Magnetic Couplings



Part Number	Max Speed rpm	Weight (total) kg lb	Torque (normal) Nm in_lbs	Torque (peak) Nm in_lbs	INNER HUB								OUTER HUB				
					A	B	C	D	E	F	G	H	I	J	K	L	M
					mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch
MTC-180	6200	23	180	290	142	90	40	60	50	140	12	43.8	152	156	170	190	180
		51	1600	2567	5.59	3.54	1.575	2.36	1.97	5.51	0.47	1.72	5.98	6.142	6.69	7.48	7.09
MTC-220	6200	26	220	330	142	90	48	70	60	160	14	52.3	152	156	170	190	200
		57	2000	2921	5.59	3.54	1.890	2.76	2.36	6.30	0.55	2.06	5.98	6.142	6.69	7.48	7.87
MTC-280	6200	30	280	380	142	90	48	90	60	180	14	52.3	152	156	170	190	230
		66	2500	3363	5.59	3.54	1.890	3.54	2.36	7.09	0.55	2.06	5.98	6.142	6.69	7.48	9.06

Optional Containment Barrier

An optional stainless steel barrier can be used to separate the atmosphere or fluid surrounding the inner and outer hubs. This eliminates the need for a rotating shaft seal. Both standard and custom barrier designs up to 75 hp are available. All sizes over MTC-10-SB are made to order. All designed applications are economically produced, even in small quantities.



Part Number	STOCK CONTAINMENT BARRIER									
	A	B	C	D	E	F	G	H	J	K # of Holes
	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm x qty inch
MTC-0.1-SB	36	28	20	15	26	28	4	6	1	4.5 x 4
	1.42	1.102	0.79	0.591	1.02	1.10	0.16	0.24	0.039	0.18
MTC-0.3-SB	49	40	30	24	30	32	5	7	1	5.5 x 4
	1.93	1.575	1.18	0.945	1.18	1.26	0.20	0.28	0.039	0.22
MTC-1-SB	55	46	36	30	35	37	5	7	1	5.5 x 6
	2.17	1.811	1.42	1.181	1.38	1.46	0.20	0.28	0.039	0.22
MTC-3-SB	66	55	44	38	45	50	6.5	10	1	6.6 x 6
	2.60	2.165	1.73	1.496	1.77	1.97	0.26	0.39	0.039	0.26
MTC-10-SB	96	83	73	60	60	66	15	6	1	6.6 x 6
	3.78	3.268	2.87	2.362	2.36	2.60	0.59	0.24	0.039	0.26

Note: The MTC-0.1 through -10 containment shells are 316 stainless, and are rated to a minimum of 450 psi. Containment shells for other sizes are made and rated according to customer requirements.

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