

AMR couplings are used in heavy-duty, slow to medium speed applications, where high-starting torque, shock loads, torque reversals or continuous alternating torque are present. The open lug type center member provides ample clearance for assembly while minimizing the space required for coupling installation.

Construction

Hubs: Sizes 162 - 550 are carbon steel with integral washer, sizes 600 and larger are carbon steel with separate grooved washer

Center Member: Sizes 162 - 750 are cast alloy iron, sizes 800 and larger are cast steel

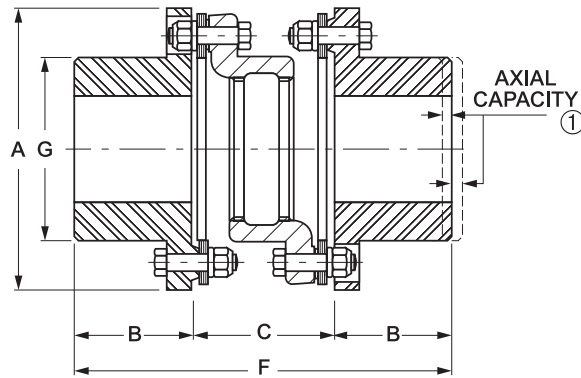
Bolts: Alloy steel

Disc Packs: Tomaloy Tpack (sizes 225 - 750)

Coatings Available: Consult Renord

Other disc pack materials such as stainless steel, Monel and Inconel are available; please consult Renord.

Misalignment: 1/3° per disc pack



General Dimensions (in)

Coupling Size	④ Rough Bore	⑥ Max. Bore	A	B	C	F	G	⑨ Min. Shaft Length H
162	—	1.88	4.56	1.75	2.64	6.14	2.75	1.34
200	—	2.25	5.75	2.12	2.99	7.23	3.62	1.58
225	—	2.63	6.00	2.50	2.99	7.99	3.88	1.97
262	—	3.13	6.88	2.88	3.51	9.27	4.50	2.26
312	—	3.63	8.12	3.38	4.14	10.90	5.44	2.63
350	—	4.00	9.12	3.75	4.58	12.08	6.00	2.91
375	—	4.50	10.06	4.00	5.18	13.18	6.50	3.13
425	—	4.75	11.00	4.25	5.55	14.05	7.00	3.25
450	—	5.13	11.88	4.50	5.93	14.93	7.44	3.44
500	2.69	5.38	13.44	5.00	6.81	16.81	8.38	3.81
550	2.69	6.00	15.00	5.50	7.70	18.70	9.44	4.19
600	3.69	6.50	16.75	6.00	8.43	20.43	10.31	4.57
700	4.25	7.50	18.94	7.00	9.66	23.66	11.75	5.32
750	4.94	8.00	20.62	7.25	10.54	25.04	12.62	5.5
800	5.19	8.75	22.38	7.75	11.36	26.86	13.75	5.81
850	5.44	9.25	23.75	8.25	12.18	28.68	14.50	6.12
925	5.94	10.12	25.75	9.00	13.25	31.25	15.88	6.75
1000	6.50	11.00	28.25	9.50	14.48	33.48	17.50	7.19
1100	7.00	12.00	30.25	10.25	15.50	36.00	18.50	7.81
1200	7.50	13.00	33.38	11.00	17.06	39.06	20.25	—
1300	8.00	14.00	36.00	12.00	18.31	42.31	22.50	—
1550	8.50	15.50	39.25	14.50	19.44	48.44	26.00	—

Coupling Size	Max. Horsepower per 100 RPM	③ Max. RPM	Max. Continuous Torque (lb-in)	⑦ Peak Overload Torque (lb-in)	② Weight (lb)	② ⑤ WR ² (lb-in ²)	① Axial Capacity (in)
	Service Factor 1.0						
162	9.1	2,500	5,740	6,888	8	18	±0.036
200	17.5	2,500	11,030	13,236	16	57	±0.036
225	24.7	2,500	15,575	18,690	20	76	±0.036
262	33.4	2,500	21,038	25,245	32	162	±0.043
312	37.5	2,500	23,650	28,380	47	365	±0.051
350	83.8	2,300	52,800	63,360	71	659	±0.056
375	126	2,200	79,442	95,330	92	1,025	±0.062
425	140	2,000	88,000	105,600	117	1,590	±0.067
450	216	1,900	136,125	163,350	144	2,250	±0.072
500	319	1,800	200,750	240,900	212	4,240	±0.082
550	436	1,800	275,055	330,066	290	7,220	±0.092
600	569	1,800	358,875	430,650	389	12,000	±0.102
700	724	1,500	456,500	547,800	587	22,800	±0.115
750	1,023	1,500	644,930	773,916	722	33,900	±0.125
800	1,291	1,200	813,780	976,536	938	55,600	±0.136
850	1,426	1,100	898,700	1,078,440	1,150	75,600	±0.144
925	2,033	1,000	1,281,280	1,537,536	1,400	102,000	±0.156
1000	2,360	900	1,487,200	1,784,640	1,900	172,000	±0.172
1100	3,246	800	2,046,000	2,455,200	2,280	245,000	±0.183
1200	3,494	650	2,202,200	2,642,640	2,990	394,000	±0.203
1300	3,787	600	2,387,000	2,864,400	3,900	561,000	±0.218
1550	4,957	600	3,124,000	3,748,800	5,150	889,000	±0.242

- ① All Thomas disc couplings meet NEMA frame sleeve bearing motor specifications without modification or the addition of end-float restricting devices.
- ② Weight and WR² at maximum bore.
- ③ Consult Rexnord if balancing is required.
- ④ Consult Rexnord for minimum rough bore on size 162-450.
- ⑤ Special hub available for size 600 with 6 3/4 max. bore. Consult Rexnord.
- ⑥ Straight bores with no keyway require a special material hub. Consult Rexnord.
- ⑦ The peak overload torque is not an alternating torque limit.