



# magnaloy coupling company Flexible-Drive Couplings

**Magnaloy** is the original lightweight, heavy-duty flexible-drive coupling. **Magnaloy** couplings are manufactured from magnesium material which is 76% lighter than cast iron and 36% lighter than aluminum.

Close matching tolerances assures vibration-free operation without need for special tools. Solid magnesium alloy sand castings are heat treated and offer the highest strength-to-weight ratio available. Both clamp and spline type couplings are available.



Model Size	Max Bore	Wr <sup>2</sup> lb-ft <sup>2</sup>	Insert Number	Rated Torque lb-in	Torsional Rigidity lb-in/Deg	Horse Power Rating @		
						100 rpm	1200 rpm	1800 rpm
100	1½	0.0046	170N	340.7	42	0.55	6.50	9.8
			170U	511.0	53	0.82	9.80	14.7
			170H	1,022.1	182	1.65	19.80	29.7
200	1½	0.0068	270N	398.3	55	0.64	7.60	17.5
			270U	597.4	68	0.96	11.50	17.2
			270H	1,194.9	234	1.92	23.00	34.5
300	1½	0.022	370N	701.4	81	1.12	13.50	20.2
			370U	1,052.1	148	1.68	20.20	30.3
			370H	2,104.2	336	3.36	40.40	60.6
400	1½	0.031	470N	1,056.3	138	1.69	20.30	30.4
			470U	1,584.5	310	2.50	30.40	45.6
			470H	3,168.9	488	5.10	60.80	91.3
500	2%	0.071	570N	2,194.8	314	3.50	42.10	63.2
			570U	3,292.2	695	5.30	63.20	94.8
			570H	6,584.4	1,571	10.50	126.40	189.6
600	2%	0.16	670N	4,946.7	676	7.90	94.90	142.5
			670U	7,420.1	1,510	11.90	142.50	213.7
			670H	14,840.1	2,960	23.70	284.90	427.4
700	2%	0.34	770N	11,639.8	1,805	18.60	223.50	335.2
			770U	17,459.7	2,104	27.90	335.20	502.8
			770H	29,099.5		46.50	558.75	838.0
800	3%	0.95	870N	21,889.4	3,680	35.00	420.30	630.4
			870U	32,834.1		52.50	630.40	945.6
900	4%	4.20	970N	47,842.3	8,428	76.50	918.60	1,377.9
			970U	71,763.5		114.80	1,377.90	2,066.8