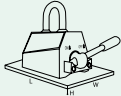




WORKLOAD LIMIT FOR PLATES AND ROUNDS (AISI 1020 STEEL)*

Magnetic Products, Inc.
Highland, Michigan | mprods.com

SURFACE CONDITIONS AND FINISHES

 L= Length (in) W= Width (in) H=Height (in)	Clean and smooth ground surface. Air gap<0.004 in		Rusty and hot rolled surface Air gap 0.004 - 0.012 in				Irregular and rough surface. Air gap 0.012 - 0.02 in			
	Max. dimensions L x W (in)	WLL (lbs) for plate sizes as below		Max. dimensions L x W (in)	WLL (lbs) for plate sizes as below		Max. dimensions L x W (in)	WLL (lbs) for plate sizes as below		
		L>8	L=2.4 - 7.9		L>8	L=2.4 - 7.9		L>8	L=2.4 - 7.9	
MPI LIFTING MAGNET LM-0150-REN	Thickness (in)		L>8	L=2.4 - 7.9	L>8	L=2.4 - 7.9	L>8	L=2.4 - 7.9		
			W>8	W=4 - 7.9	W>8	W=4 - 7.9	W>8	W=4 - 7.9		
	0.98	-	330	265	-	187	165	-	132	121
	0.59	79 x 20	287	243	43 x 20	154	132	35 x 20	121	99
	0.39	98 x 20	265	165	59 x 20	143	110	47 x 20	110	88
	0.16	98 x 20	110	55	91 x 20	88	37	67 x 20	66	33
	0.08	59 x 20	44	13	51 x 20	31	9	47 x 20	29	9
Diameter	Ø2 - Ø4	Lmax. 98	143		Lmax.79	110		Lmax.59	77	
MPI LIFTING MAGNET LM-0300-REN	Thickness (in)		L>12	L=4 - 11.9	L>16	L=4.7 - 15.9	L>16	L=4.7 - 15.9		
			W>12	W=6 - 11.9	W>16	W=9.6 - 15.9	W>16	W=9.6 - 15.9		
	>=1.18	-	661	551	-	419	397	-	254	220
	0.59	78 x 39	540	353	55 x 39	353	265	39 x 39	232	187
	0.39	98 x 39	441	209	59 x 39	287	143	47 x 39	209	121
	0.24	86 x 39	220	77	70 x 39	198	66	59 x 39	154	55
	0.16	70 x 39	121	44	70 x 39	110	33	51 x 39	88	31
Diameter	Ø2.4 - Ø7.8	Lmax. 138	331		Lmax. 118	265		Lmax. 98	165	
MPI LIFTING MAGNET LM-0600-REN	Thickness (in)		L>16	L=4.7 - 15.9	L>16	L=4.7 - 15.9	L>16	L=4.7 - 15.9		
			W>16	W=9.6 - 15.9	W>16	W=9.6 - 15.9	W>16	W=9.6 - 15.9		
	>=1.18	-	1322	1146	-	948	883	-	595	573
	0.79	78 x 59	1025	838	78 x 49	860	683	49 x 39	551	463
	0.59	88 x 59	948	529	90 x 49	750	441	70 x 39	485	352
	0.39	98 x 59	628	247	94 x 49	529	220	86 x 39	408	187
	0.31	94 x 59	496	198	90 x 49	397	154	78 x 39	287	121
0.24	86 x 59	342	132	78 x 49	265	99	78 x 39	220	77	
Diameter	Ø2.5 - Ø10.6	Lmax. 157	661		Lmax. 138	529		Lmax. 118	352	
MPI LIFTING MAGNET LM-1000-REN	Thickness (in)		L>20	L=6 - 19.9	L>20	L=6 - 19.9	L>20	L=6 - 19.9		
			W>20	W=12 - 19.9	W>20	W=12 - 19.9	W>20	W=12 - 19.9		
	>=2.39	-	2204	2172	-	1863	1841	-	1433	1422
	1.18	96 x 59	1896	1565	78 x 59	1609	1367	75 x 49	1246	1135
	0.98	112 x 59	1830	1179	94 x 59	1554	1047	88 x 49	1212	903
	0.79	126 x 59	1642	805	108 x 59	1411	705	102 x 49	1124	639
	0.59	130 x 59	1102	474	114 x 59	981	430	110 x 49	838	386
0.39	108 x 59	584	231	100 x 59	529	209	104 x 49	441	187	
Diameter	Ø4 - Ø11.8	Lmax. 177	1102		Lmax. 157	882		Lmax. 137	661	
MPI LIFTING MAGNET LM-1500-REN	Thickness (in)		L>31.5	L=7 - 31.49	L>31.5	L=7 - 31.49	L>31.5	L=7 - 31.49		
			W>31.5	W=16 - 31.49	W>31.5	W=16 - 31.49	W>31.5	W=16 - 31.49		
	>=3.15	-	3306	3219	-	3131	2646	-	2249	2160
	1.97	118 x 47	3219	2756	98 x 47	2646	2315	78 x 47	2116	1984
	1.18	137 x 47	2161	948	128 x 47	1984	860	98 x 51	1720	772
	0.79	138 x 55	1676	683	118 x 63	1653	639	98 x 69	1532	595
	0.59	118 x 59	1191	430	118 x 59	1168	397	98 x 55	926	353
Diameter	Ø6 - Ø13.7	Lmax. 197	1653		Lmax. 177	1543		Lmax. 138	1323	
MPI LIFTING MAGNET LM-2000-REN	Thickness (in)		L>31.5	L=7 - 31.49	L>31.5	L=7 - 31.49	L>31.5	L=7 - 31.49		
			W>31.5	W=20 - 31.49	W>31.5	W=20 - 31.49	W>31.5	W=20 - 31.49		
	>=3.15	-	4409	4299	-	3638	3527	-	2866	2756
	1.97	128 x 59	4299	3527	98 x 59	3527	2976	78x 59	2756	2535
	1.18	138 x 59	2976	1212	128 x 59	2535	1102	98, x 59	2205	992
	0.79	138 x 79	2425	881	118 x 79	2205	827	98 x 79	1984	772
	0.59	118 x 59	1433	551	118 x 59	1323	507	78 x 59	1212	441
Diameter	Ø6 - Ø13.7	Lmax. 197	2204		Lmax. 177	1984		Lmax. 157	1764	

DO NOT LIFT PLATES THINNER THAN INDICATED IN THE CHART. WHEN LIFTING TUBES WITH A THIN WALL, THE LENGTH MAY BE THE LIMITING FACTOR.

*WLL= maximum working load designed for certain lifting magnet capacity, with respect to minimal safety factor 3:1.