

PERMADUR INDUSTRIES

Engineered to Lift. Built to Last. American Made Since 1972.

Lifting Magnet Specifications

Manual Lifting Magnets

BPM Series – Fixed Lift Eye | 3:1 safety factor

Model	SWL Flat	SWL Rnd	Wt	Body Size (W×L×H)	Headroom	Min Thickness	Max OD
BPM-275	275	110	7	3-1/8 × 4-3/4 × 3-1/8	7-1/4	3/4	11-1/2
BPM-550	550	220	13	3-1/4 × 7-1/8 × 3-1/4	5-5/8	13/16	11-1/2
BPM-1080	1,080	430	33	4-1/4 × 9-5/8 × 4	7-1/2	1	15-1/2
BPM-2160	2,160	860	77	5-1/4 × 13-3/8 × 5-1/2	9	1-9/16	17-1/2
BPM-3240	3,240	1,295	154	6-5/8 × 16-3/8 × 6-3/4	11-5/8	1-3/4	19-1/2
BPM-4320	4,320	1,720	209	7-3/8 × 17-3/8 × 7-3/4	12-3/8	2-3/16	23-1/2

REM Series – Pivoting Lift Eye | 3:1 safety factor

Model	SWL Flat	SWL Rnd	Wt	Body Size (W×L×H)	Headroom	Min Thk	Max OD
REM-250	250	110	7	2-9/16 × 3-5/8 × 2-3/4	4-1/2	1	8-1/2
REM-660	800	330	22	3-1/2 × 6-1/2 × 3-3/4	6	1-1/4	11-1/2
REM-1320	1,600	650	53	4-5/8 × 9-3/8 × 4-3/4	8-1/2	1-9/16	15-1/2
REM-2200	2,500	1,100	110	6-7/8 × 10-5/8 × 6-5/8	11	2-3/8	17-1/2
REM-5000	5,000	2,200	275	9-1/16 × 15 × 9-5/8	12	2-3/4	19-1/2

All dimensions in inches, weights in lbs. .

BP Series Electro-Permanent Magnets – For Rounds, Angles, Structural Steel, and Plate

Two-pole magnet | Widths from 4 3/8" to 6 1/2" | Capacity range 250 lbs. – 3,600 lbs. | 4:1 safety factor

Model	Width	Length	Height	Weight	Safety Factor Max	Max Flat	Max Round
BP-250	4 3/8	7	8 3/4	45	1,200	300	250
BP-400	6 1/2	10 5/8	8	70	2,000	500	400
BP-500	4 3/8	14 1/4	8 3/4	90	2,400	600	500
BP-800	6 1/2	22	8	140	4,000	1,000	800
BP-1000	4 3/8	28 1/2	8 3/4	180	4,800	1,200	1,000
BP-1200	6 1/2	33	8	210	6,000	1,500	1,200
BP-1600	6 1/2	44	8	280	8,000	2,000	1,600
BP-2000	6 1/2	55	8	350	10,000	2,500	2,000
BP-2400	6 1/2	66	8	420	12,000	3,000	2,400
BP-2800	6 1/2	77	8	490	14,000	3,500	2,800
BP-3200	6 1/2	88	8	560	16,000	4,000	3,200
BP-3600	6 1/2	99	8	630	18,000	4,500	3,600

All dimensions in inches, weights/capacities in lbs.



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TP Series Electro-Permanent Magnets – For Sheet, Plate, and Block

Three-pole magnet | 8" width | Capacity range 600 lbs. – 10,000 lbs. | 4:1 safety factor

Model	Width	Length	Height	Weight	Safety Factor Max	Max Recommended
TP-600	8	7¼	7¾	90	2,400	600
TP-1000	8	10⅝	9	150	4,000	1,000
TP-2000	8	21½	9	300	8,000	2,000
TP-3000	8	32¼	9	450	12,000	3,000
TP-4000	8	43	9	600	16,000	4,000
TP-5000	8	53¾	9	750	20,000	5,000
TP-6000	8	64½	9	900	24,000	6,000
TP-7000	8	75¼	9	1,050	28,000	7,000
TP-8000	8	86	9	1,200	32,000	8,000
TP-9000	8	96¾	9	1,350	36,000	9,000
TP-10000	8	107½	9	1,500	40,000	10,000

All dimensions in inches, weights/capacities in lbs.

FP Series Electro-Permanent Magnets – For Sheet, Plate, and Block

Five-pole magnet | 16" width | Capacity range 1,200 lbs. – 20,000 lbs. | 4:1 safety factor

Model	Width	Length	Height	Weight	Safety Factor Max	Max Recommended
FP-1200	16	7¼	9	180	4,800	1,200
FP-4000	16	21½	9	600	16,000	4,000
FP-6000	16	32¼	9	900	24,000	6,000
FP-8000	16	43	9	1,200	32,000	8,000
FP-10000	16	53¾	9	1,500	40,000	10,000
FP-12000	16	64½	9	1,800	48,000	12,000
FP-14000	16	75¼	9	2,100	56,000	14,000
FP-16000	16	86	9	2,400	64,000	16,000
FP-18000	16	96¾	9	2,700	72,000	18,000
FP-20000	16	107½	9	3,000	80,000	20,000

All dimensions in inches, weights/capacities in lbs.

