



ELECTROMAGNETS

SMALL BI-POLAR ELECTROMAGNETS - 12V DC (24V DC OPTIONAL)

| PART # | LENGTH | WIDTH | HEIGHT | PULL |
|---------|--------|----------|----------|------|
| BP-1407 | 1 5/8" | 15/16" | 1 5/8" | 25 |
| BP-1406 | 2" | 1 11/16" | 1 13/16" | 80 |
| BP-6090 | 3 1/2" | 1 1/2" | 2 5/8" | 220 |
| BP-1600 | 4 1/8" | 2 3/8" | 3 7/8" | 440 |
| BP-1602 | 5 5/8" | 2 7/8" | 4" | 650 |
| BP-1601 | 7 5/8" | 4 1/8" | 4 3/4" | 1100 |



SMALL ROUND FACED ELECTROMAGNETS - 12V DC (24V DC OPTIONAL)

| PART # | DIAMETER | HEIGHT | PULL |
|-----------|----------|--------|------|
| EM-R50 | 1/2" | 1 1/2" | 4 |
| EM-R75 | 3/4" | 1 1/4" | 10 |
| EM-R1 | 1" | 1 1/4" | 20 |
| EM-R1A | 1" | 23/32" | 10 |
| EM-R125 | 1 1/4" | 1 1/4" | 40 |
| EM-R175 | 1 3/4" | 1 5/8" | 160 |
| EM-R2 | 2" | 1 5/8" | 220 |
| EM-R3 | 3" | 2" | 500 |
| EM-R3-1/2 | 3 1/2" | 1 1/2" | 650 |
| EM-R4 | 4" | 3 1/4" | 900 |
| EM-R6B | 6" | 1 1/4" | 1000 |



SMALL RECTANGULAR ELECTROMAGNETS - 12V DC (24V DC OPTIONAL)

| PART # | LENGTH | WIDTH | HEIGHT | PULL |
|--------|--------|--------|--------|------|
| EM-622 | 2 1/2" | 1 1/2" | 1 1/4" | 200 |
| EM-815 | 2 1/2" | 2 1/2" | 1 1/2" | 450 |
| EM-711 | 4 1/2" | 2 1/2" | 2" | 750 |
| EM-667 | 6" | 3" | 2" | 1000 |
| EM-476 | 8" | 4" | 2 1/2" | 2000 |



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POWER SUPPLIES / RECTIFIERS:

We have power supplies for your electromagnet applications available in 12, 24 and 110 v DC for both manual switched or fully automated.



LARGE ELECTROMAGNETS:

Contact us for large or heavy lifting applications, or for complex material handling projects. Standard capacities to 20,000 lbs .

DEMAGNETIZERS:

Choosing a demagnetizer requires full review of the parts and process. We can supply you with flat face or loop type demagnetizers with capacities up to 18" x 36" aperature.

WORKHOLDING CHUCKS:

Electromagnetic chucks are available, as well as permanent magnet types. Stock sizes and custom.

SAFETY NOTES:

Lifting applications require thoughtful design and care. The most important rule to follow with electromagnets is to have sufficient safety factor (we like to design with 3X at minimum.) and to eliminate the gap between the part and the face of the electromagnet. As example: a flat faced electromagnet with 2000 lbs holding power at zero gap drops to only 200 lbs holding power at 1/32" gap. Every magnet and lifting application is unique so feel free to contact us with your details.