

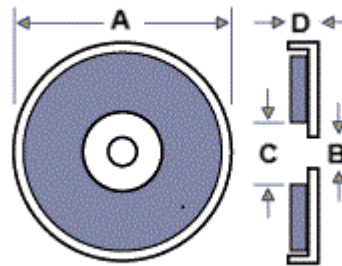
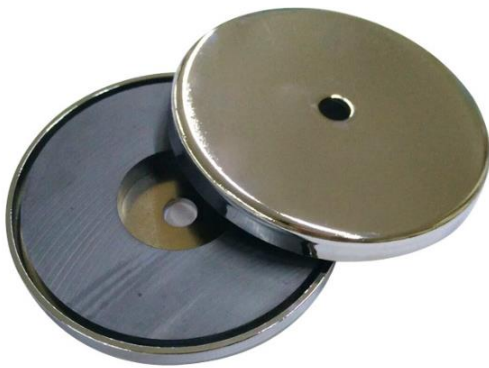


A **round base magnet** / cup magnet is a type of magnet encased in a steel shell or cup, which enhances its magnetic strength by concentrating the magnetic field at its face. The round base design allows it to have a flat surface on one side, while the other side is either fitted with a screw hole, hook, or other mounting feature.

These magnets are commonly used in industrial, commercial, and DIY applications for holding, mounting, lifting, and retrieving metal objects. The steel casing protects the magnet from damage and directs its magnetic force toward the base, making it more efficient.

ESSEN offers steel cup round magnetic base assemblies in a range of standard dimensions, featuring either ceramic or neodymium magnets. If the size you need is not listed below, we can also provide custom steel cup assemblies tailored to your exact specifications.

Ceramic Round Base Magnets



Part#	OD (A)	Cup Hole (B)	Magnet Hole(C)	Height (D)	Holding Force(kg)
RB-20	1.205" / 30.6mm	0.125" / 3.175mm	0.187" / 4.75mm	0.188" / 4.78mm	2.3
RB-20a	1.205" / 30.6mm	0.156" / 3.96mm	0.250" / 6.35mm	0.188" / 4.78mm	5
RB-40	1.400" / 35.6mm	0.187" / 4.75mm	0.375" / 9.53mm	0.281" / 7.14mm	6.8
RB-50	2.030" / 51.56mm	0.187" / 4.75mm	0.844" / 21.44mm	0.313" / 7.95mm	15.8
RB-50a	2.030" / 51.56mm	0.192" / 4.88mm	0.844" / 21.44mm	0.344" / 8.74mm	18
RB-60	2.375" / 60.33mm	0.270" / 6.86mm	0.800" / 20.32mm	0.350" / 8.89mm	22.7
RB-70	2.625" / 66.68mm	0.280" / 7.11mm	1.000" / 25.4mm	0.375" / 9.53mm	36.3

RB-75	2.875" / 73.03mm	0.270" / 6.86mm	1.000" / 25.4mm	0.365" / 9.27mm	38.6
RB-80	3.20" / 81.28mm	0.280" / 7.11mm	1.188" / 30.18mm	0.438" / 11.13mm	50
RB-90	3.79" / 96.27mm	0.380" / 9.65mm	1.280" / 32.51mm	0.500" / 12.7mm	54.5
RB-100	4.90" / 124.46mm	0.500" / 12.7mm	1.750" / 44.45mm	0.500" / 12.7mm	95

Neodymium Round Base Magnets



Part #	OD (A)	Cup Hole (B)	Magnet Hole(C)	Height (D)	Holding Force (kg)
ENRB-13	13	2	5	4	3
ENRB-16	16	3.5	6.5	5	4
ENRB-20	20	4.5	8	7	6
ENRB-25	25	6	8	7	14
ENRB-30	30	6	10	3	20
ENRB-32	32	5.5	9	8	23
ENRB-36	36	6.5	11	9	29
ENRB-42	42	6.5	11	9	32
ENRB-48	48	8.5	15	11.5	63
ENRB-60	60	8.5	15	15	95
ENRB-75	75	10.5	18	18	115