

Neodymium Magnets

CIRCULAR DISC MAGNETS

DATA SHEET


The Ultimate Magnets! Neodymium Iron Boron (NdFeB) is used to manufacture the most powerful magnets per unit volume that are commercially available today.

It is used where a small size and maximum power are needed. Neodymium Magnets exert very high forces and can attract each other through unbelievably large distances making them very popular for a wide range of applications including scientific experiments, packaging, security, lighting, display and magic acts to name a few. They also have an immense and unbeatable resistance to being demagnetised, making them ideal for repulsion applications as well as attractive applications.

The magnets are triple coated (NiCuNi) for maximum protection against corrosion. Standard manufacturing tolerance is +/- 0.1mm on all dimensions.

N38 - For jobs where cost is more critical than performance. N38 offers a slight reduction in performance but a greater saving on cost.

N42 - Offers the perfect balance of performance and cost. N42 offers superb high performance magnets at a very reasonable price point – well recognised as the industry 'Standard Grade'.

N50 - For jobs where performance is more critical than cost. N50 is one of the very highest grades of Neodymium commercially available. It gives the highest level of performance but with a significant increase in price.

Part No.	Description	Pull	Part No.	Description	Pull	Part No.	Description	Pull
Grade - N42 - NiCuNi plated			Grade - N42 - NiCuNi plated			Grade - N42 - NiCuNi plated		
EP305	1mm dia x 1mmA	0.02kg	EP991	9.50mm dia x 1mmA	0.45kg	EP111	19mm dia x 2mmA	2.72kg
EP303	2mm dia x 1mmA	0.07kg	EP992	9.50mm dia x 2mmA	1.10Kgs	EP655	19mm dia x 5mmA	6.00kg
EP122	2mm dia x 2mmA	0.10kg	EP349	10mm dia x 0.4mmA	0.15kg	EP559	20mm dia x 0.5mmA	0.45kg
EP400	3mm dia x 1mmA	0.12kg	EP399	10mm dia x 1.5mmA	0.80kg	EP646	20mm dia x 10mmA	11.00kg
EP392	3mm dia x 2mmA	0.24kg	EP307	10mm dia x 1mmA	0.50kg	EP407	20mm dia x 1mmA	1.10kg
EP101	3mm dia x 3mmA	0.27kg	EP659	10mm dia x 3mmA	1.60kg	EP406	20mm dia x 3mmA	3.60kg
EP342	4mm dia x 0.5mmA	0.09kg	EP654	10mm dia x 4mmA	2.20kg	EP336	20mm dia x 5mmA	6.40kg
EP343	4mm dia x 1mmA	0.18kg	EP645	10mm dia x 5mmA	2.70kg	EP355	22mm dia x 10mmA	13.00kg
EP397	4mm dia x 2mmA	0.36kg	EP308	12mm dia x 1mmA	0.65kg	EP530	22mm dia x 6mmA	8.50kg
EP393	4mm dia x 3mmA	0.50kg	EP370	12mm dia x 2mmA	1.30kg	EP543	22mm dia x 8mmA	11.00kg
EP102	4mm dia x 4mmA	0.54kg	EP656	12mm dia x 3mmA	1.90kg	EP358	25mm dia x 10mmA	15.50kg
EP304	5mm dia x 3mmA	0.60kg	EP105	12mm dia x 4mmA	3.28kg	EP311	25mm dia x 2mmA	3.20kg
EP401	5mm dia x 1mmA	0.20kg	EP334	13mm dia x 3mmA	2.10kg	EP112	25mm dia x 3mmA	5.35kg
EP103	5mm dia x 4mmA	0.75kg	EP106	14mm dia x 2mmA	1.88kg	EP113	25mm dia x 5mmA	10.32kg
EP306	6mm dia x 1mmA	0.30kg	EP359	14mm dia x 4mmA	3.10kg	EP114	30mm dia x 5mmA	11.83kg
EP390	6mm dia x 2mmA	0.60kg	EP290	15mm dia x 0.5mmA	0.30kg	EP115	35mm dia x 5mmA	13.00kg
EP643	6mm dia x 3mmA	0.90kg	EP309	15mm dia x 1mmA	0.80kg	EP360	40mm dia x 5mmA	14.00kg
EP657	6mm dia x 4mmA	1.20kg	EP310	15mm dia x 2mmA	1.65kg	Grade - N42 - 22K GOLD plated		
EP658	6mm dia x 5mmA	1.30kg	EP107	15mm dia x 3mmA	3.24kg	EP656S	12mm dia x 2mmA	1.5kg
EP644	6mm dia x 6mmA	1.30kg	EP528	15mm dia x 4mmA	3.30kg	EP288	20mm dia x 2mmA	2.40kg
EP322	8mm dia x 1mmA	0.40kg	EP108	15mm dia x 5mmA	5.48kg			
EP323	8mm dia x 2mmA	0.80kg	EP371	17mm dia x 2mmA	1.60kg			
EP380	8mm dia x 4mmA	1.60kg	EP109	18mm dia x 2mmA	2.55kg			
EP324	8mm dia x 5mmA	2.00kg	EP372	18mm dia x 3mmA	3.40kg			
EP327	9mm dia x 3mmA	1.50kg	EP110	18mm dia x 5mmA	6.82kg			