



## Small Magnets

**Description:** We supply a wide range of magnets that are used for a great variety of applications. The three main materials are: alnico, ferrite (ceramic strontium ferrite) and rare earth (neodymium iron boron). We stock many items, and can usually guarantee next day delivery if we receive orders by 11:30am. However due to processing costs, we have a minimum order of £40.00. **Please note that we only supply to industry.**

### Alnico Magnets

These are cast magnets manufactured from aluminium, nickel and cobalt. They possess excellent corrosion and heat resistant qualities up to 500°C.



#### Typical applications include:

- "Pot" magnets for holding and clamping
- Lifting
- Proximity switches
- High temperature fixtures

### Ferrite Magnets

Ceramic ferrite is manufactured from strontium ferrite, usually die pressed and sintered. Due to good machining properties, we can cut and magnetise them to virtually any size or shape required. Due to their high coercivity and low cost, they are used in a wide range of applications. We also stock a wide range of blocks, rings and discs. Stable up to a maximum temperature of 120°C.



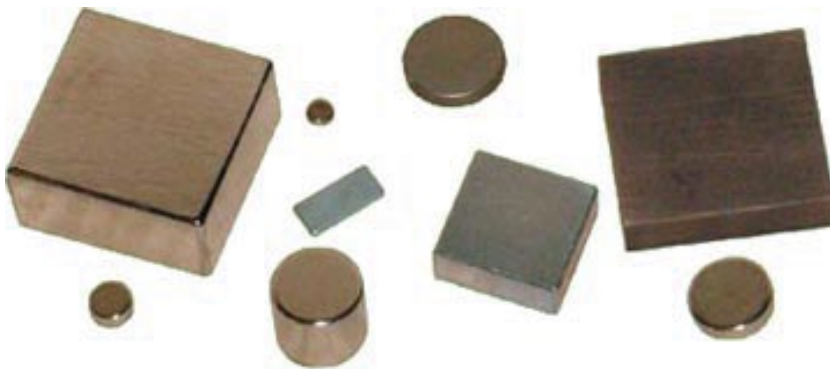
#### Typical applications include:

- Magnetic assemblies
- Reed switches
- Loud speakers
- Holding and clamping
- Security systems
- Magnetic therapy



## Rare Earth Magnets

**Description:** Manufactured from sintered neodymium iron boron. They possess the most powerful magnetic properties in relation to volume and can lift up to 1000 times their own weight. However they do not possess strong heat resistant qualities usually remaining stable up to 80°C although SH grades of the compound are available which are stable up to 200°C. For higher temperature applications, rare earth samarium cobalt is recommended. Also due to their corrosive nature, neodymium is usually supplied coated.



### Typical applications include:

- Magnetic separators
- Magnetic assemblies
- Magnetic couplings
- Holding and clamping
- Magnetic drives
- Magnetic therapy

We can also manufacture small block magnets to customer requirements.



All stainless steel encased,  
fully welded and heat  
resistant to 300°C