

- Two models
YM 5 – 18Kg lift
PM68 – 68Kg lift
- Easy to use
- No electrical supply Required
- Portable

MAGNETIC PARTICLE INSPECTION EQUIPMENT

PERMANENT MAGNETS

Portable and convenient means of magnetising components for crack detection



YM5 PERMANENT MAGNET

Consists of Hinged arms and rotating pole pieces to allow a wide variety of profiles to be magnetised whilst the specially shaped pole pieces permit easy removal from the component. Elements of the YM5 are cast in Magloy 1 for maximum magnetic field strength.



YM5 RE-MAGNETISER

For your convenience Magnaflux supply a re – magnetising unit to bring the YM5 back to its lifting capability of 18 Kg. IT operates by discharging batteries through coils in which the legs are positioned.

YM 5 YOKE

Supplied with keeper bar, which has false indications so you can easily check the magnetisation strength.

Features of the YM5

- Field strength, with pole tips in contact, greater than 7,000 gauss.
- Field strength in centre of 50mm air gap, more than 400gauss.
- Weighs only 3Kg.
- Pull Test - More than 18 Kgs (40 lbs).



HORSESHOE TYPE **PM68** MAGNET

- Powerful and easy to use.
- Field strength in the centre of Air Gap. 1500 gauss
- Pull Test exceeds 68 Kg
- Available with Nylon Wheels
- Distance between poles 68mm
- Weight. 2.34 Kg

An extremely powerful permanent magnet widely used for magnetising components for crack detection including underwater applications.

Portable, and mobile when used with optional wheels, as illustrated it is available complete with magnetic inks, powders and contrast paint which are optional extra



Part No 001M008 PM 68 HORSESHOE MAGNET

OPTIONAL EXTRAS

Part No 003W005 NYLON WHEELS

CONSUMABLES

Magnaflux 7C Black Magnetic Ink / WCP 2 White Contrast Paint

SKC-S Cleaner/Remover

Dry magnetic powder No1 Grey, No3A Black & No 8A red

SPECIFICATION	
Pull rating	68Kg – 150 LB.
Material	Magloy 1 Alnico Aluminium Cobalt
Physical weight	2.34Kg
Overall size mm	92 X 125 X 47 wide
Keeper bar mm	60 x 150 x 6 thick mild steel
Distance between poles	68mm
Gauss reading in air, between poles	1,500
Gauss reading from a single pole	3,500
Gauss reading using silicone steel pole extenders with 1.5mm gap	8,500
This is an extremely powerful magnet and the keeper bar should be replaced when not in use	