

# PERMANENT MAGNETS

Version 16102018

## Serialised Magnets for MPI

Johnson & Allen manufacture a range of heavy duty permanent magnets for magnetic particle inspection processes. All magnets are supplied serialised, lift tested and with a certificate of conformity as standard. Permanent magnets produce a longitudinal magnetic field between the poles but unlike electromagnets (yokes) do not need a mains power supply or require recharging between shifts. All standard equipment is dispatched quickly on placement of order.

### Key Features

<b>Flexi-Mag</b>	>18kg Lift Capacity
<b>JAM</b>	>18kg Lift Capacity
<b>Poly-Mag</b>	>45kg Lift Capacity



### Flexi-Mag

**Description:** Designed with Magnetic Particle Inspection in mind, the Flexi-Mag is comprised of two separate magnets connected via a heavy duty chain and sheathed by a protective covering. This design offers unparalleled adjustability in the plane of the magnet making even the hardest inspection areas easy for the operator. This magnet does not require a keeper.

**Lift Capacity:** >18kg

**Weight:** 1kg



### JAM

**Description:** The JAM is a lightweight and highly adjustable permanent magnet with four points of articulation; Two lateral and two rotational. This in combination with an angled feet design mean that the JAM can be manipulated into almost any position required by an operator for efficient inspection. Keeper included as standard to prolong magnet life and stows away in handle when in use

**Lift Capacity:** >18kg

**Weight:** 2.8kg



### Poly-Mag

**Description:** The Poly-Mag produces an extremely strong static magnetic fields making it ideal for MPI processes, being used as an underwater securing clamp and as a retrieval magnet. Permanent magnets by their nature tend to be inherently brittle and susceptible to impact damage, which is why the Poly-Mag is encapsulated in a polymer coating to significantly reduce the risk of breakages, abrasion damage and corrosion. This makes the Poly-Mag relatively robust and long lasting.

**Lift Capacity:** >45kg

**Weight:** 3.2kg

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