

Chemetall

MAGNETIC FLUX INDICATORS
TYPE I (General Engineering
Applications)
TYPE II (Aerospace Applications)

INSTRUCTIONS FOR USE

These Indicators are suitable for use in aerospace (Type II Indicators) and general engineering (Type I indicators) applications to give a clear indication of the direction of a magnetic field when Magnetic Particle Testing is carried out according to various standards including BS EN ISO 9934-1.

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INSTRUCTIONS FOR USE

These indicators provide good evidence of the direction of the magnetic field in all instances.

- 1. Attach one indicator to a vertical area of the surface under test so that its major axis is in the same direction as that of suspected defects in a vertical mode.**
- 2. Attach a second indicator to the surface under test at right angles to the first indicator.**
- 3. Magnetise the component or material in the normal way and apply the Ardrex, Supramor or Lumor magnetic Ink.**

INTERPRETATION

- 1. If one indicator shows indications and the other none, the magnetic field is in the direction at right angles to the indicator showing a response.**
- 2. If neither indicator responds there is insufficient external magnetic field to cause a response and, in techniques where an external magnetic field is created, the field is too low for magnetic particle testing to be carried out.**
- 3. If both indicators show a response they are both at an angle of around 45° to that of the induced field.**