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 9904-1.

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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 Andros, Supracon or Lumar 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 particles 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.