

TECHNICAL DATA SHEET

MAGNETIC FLUX INDICATOR STRIPS

Type 1 (Engineering) and Type 2 (Aerospace)

DESCRIPTION

Magnetic Flux* Indicator Strips are a simple-to-use, inexpensive and effective tool that provides the technician with the assurance that they are performing an effective magnetic particle test. They can also be used to give an estimate of the field strength across surfaces magnetised in the application of Magnetic Particle Inspections.

FEATURES AND BENEFITS

- Adequate field strength and direction
- Proper illumination
- Appropriate magnetic particle properties
- Simple to use as a comparative tool in the field
- Reference specifications (ASTM E1444) and the guidelines for use supplied with each package



SPECIFICATIONS

Magnetic Flux Indicator Strips are supplied in a package of 5, includes basic instructions.

Type G (Type 1) Slot widths: 0.019mm, 0.023mm, 0.25mm

Type A (Type 2) Slot widths: 0.08mm, 0.10mm, 0.13mm

SPECIFICATION COMPLIANCE

- ASTM E709-08
- ASTM E1444/E1444M-12

BASIC INSTRUCTIONS

Magnetic Flux Indicator Strips are used to check if an induced magnetic field is strong enough to show an indication or a defect of a given orientation. These Foil Type Flux Indicators are approximately 12mm x 50mm, with an overall thickness of approximately 0.15mm. The Strips are manufactured from a high μ 0.05mm (0.002") magnetic layer, with machined slots, sandwiched between 0.05mm (0.002") protective outer layers of non-ferrous material. The 3 indications of various widths are centrally located over approximately 3/4 of the 50mm length. Strips are placed perpendicular to the direction of the field for sensitivity, or at increasing angles to ensure a field is sensitive to a particular orientation of defect.

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Type G (or Type I or Gold)

General Purpose Strips. Used for general industrial inspection on high permeability ferromagnetic (mild and high carbon steels) workpieces.

Type A (or Type II or Silver)

Inspection of aviation or other critical parts. Used on low permeability ferromagnetic (high alloys) workpieces.

ORDERING INFORMATION

Product Code	Packaging
MAGSTIP-G	Type 1 Engineering
MAGSTIP-A	Type 2 Aerospace

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