

Magnetic Flux Indicator

Laminated Magnetic Flux Indicator Strips

Laminated Magnetic Flux Strips, also known as Type G Burmah-Castrol Strips, have a core of high-permeability steel with brass cladding 0.002 in / 0.05 mm thick on both sides. The core material has three slots of different widths, providing discontinuities that show as linear indications in a magnetic field. The strips are commonly used with wet visible materials for power pack equipment and yoke inspections, but can also be used with dry magnetic powders. Laminated Magnetic Flux Strips are stiffer than QQIs, and do not conform to curved surfaces easily. But unlike QQIs, Laminated Magnetic Flux Strips are not permanently affixed to a part so they can be reused for multiple applications. Because they form linear indications in only one direction, Laminated Magnetic Flux Strips are not suitable for use with multi-directional magnetization.



PART NUMBER

008M004 (5 per package)

INSTRUCTIONS

Place the flux indicator strip in intimate contact with the area to be examined. The strip may be held in place manually or with the use of an adhesive or tape. Do not cover the center of the strip with tape because that will prevent formation of indications. Flux indicator strips provide the strongest indications when positioned so that the long dimension is perpendicular to the applied magnetic field. After the strip is positioned, energize the magnetic field and apply magnetic particles (wet suspension or dry powder). Indications perpendicular to the magnetic flux will be stronger and more well defined than indications at an angle. No indications will form if the strip is aligned parallel to (in line with) the magnetic flux.

FEATURES

Dimensions	2.0 in / 50 mm long 0.5 in / 12 mm wide 0.010 in / 0.25 mm thick
Slot width (Type G)	0.0075 in / 0.19 mm 0.0090 in / 0.23 mm 0.0100 in / 0.25 mm
Package quantity	5 strips

SPECIFICATIONS

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024

For use with systems conforming to:

- API STD 1104
- ANSI/API 6A
- ISO 10423
- ANSI/AWS D1.1