



The **ASME MAGNETIC FIELD INDICATOR** is used as a convenient rough check of the adequacy and direction of part magnetization. It is not used as quantitative of fields strength or distribution and reflects only field strength and direction at the surface and in the area of the part under test.

The indicator is laid copper side up on the work piece in the area of interest.

A sufficient magnetic field must be generated in the part under examination to clearly develop the test pattern in the indicator.

In using this indicator, a suitable flux or field strength is indicated when a clearly defined line of magnetic particles forms across the copper face of the indicator when the magnetic particles are applied simultaneously with the magnetic force.

When a clearly defined line of particles is not formed, or not formed in the desired direction, the magnetizing technique should be changed or adjusted.

RELEVANT SPECIFICATIONS:

This magnetic field indicator meets the following specifications:

- ASME Code Section V articles 7 et 25.
- MIL-STD-271 F (SH), Paragraph 4.3.1.7 figure 6.
- NAVSEA TechPUB T904-AS-GIB-010/271, paragraph 4.3.1.8 figure 16.
- NAVSHIPS 250-1500-1 rev.11 paragraph 12.4.1.8 figure 12-18.
- MIL-STD-2132A figure 7 ;
- ASTM E709-95 Paragraph 14.2.2, figure 15.
- MIL-STD-1949 paragraph 5.8.3 figure 6.
- ASTM E1444-01 paragraph 7.1.2. Figure 3.



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