



When placing on a magnetised test piece, magnetic lines pass through the sectioned iron cylinder. The cuts on the iron cylinder will be visible when magnetic powder or magnetic ink is applied. Maximum indication direction is achieved by rotating the penetrameter about its axis. The field direction is perpendicular to the flaw at maximum indication.

Magnetising efficiency, penetration and quality of the magnetic powder or magnetic ink can be determined by slowly turning the outside ring of the penetrameter, increasing the distance of the thin brass plate from the test piece. The amount of lift-off at the point where the indication just appears gives a measure of magnetic field efficiency.

TECHNICAL DATA:

- Diameter of sectioned iron cylinder: 20 mm
- Height of sectioned iron cylinder: 5 mm
- Length of holder: 95 mm
- Weight: 24 g



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