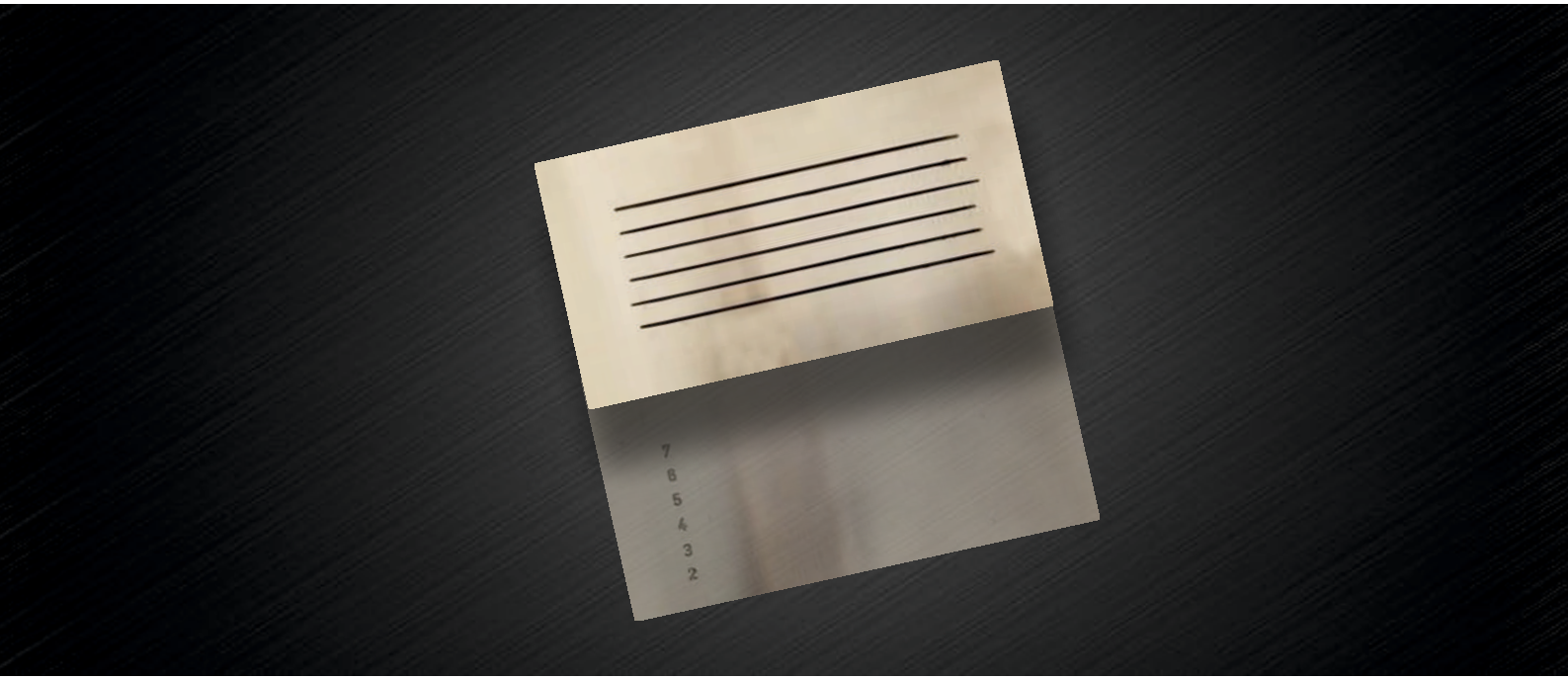
BHEL Test Block



The **BHEL** test block is primarily used for Prod Type Inspection to detect subsurface flaws using prod and coil magnetic inspection methods. It is a critical accessory to check if test bench units are properly magnetized and functioning correctly in magnetic particle inspection (MPI).

It helps ensure sensitivity and accuracy during detection of cracks or faults beneath the surface of test materials, widely used in industrial quality assurance.

ATPL Leaflet BHEL Test Block 2026/01

Sailent Features:

- Made typically from EN 8 steel, with dimensions often around 12x150x250 mm.
- Conforms to BHEL quality standards, ensuring reliability for detecting both surface and subsurface discontinuities.
- Used to calibrate and verify equipment performance to meet industrial and military inspection standards.

How to use:

- Clean the surface marked with notch numbers(2-7) from any grease, oil or other impurities.
- Place the prod tips perpendicular to notch length.
- Set the amperage based on prod spacing 100amp/inch.
- Apply the magnetic powder and wait for indications to appear.
- The number of indication formed will indicate the sensitivity to subsurface defects and effectiveness of MPI system used.

ARORA
Arora Technologies (P) Limited

Plot No. D-183/8, MIDC, TTC Nerul, Navi Mumbai, Maharashtra 400706, India
T: +91 22 6138 0600 | **E**: info@arorandt.com | **W**: www.arorandt.com

MADE IN INDIA