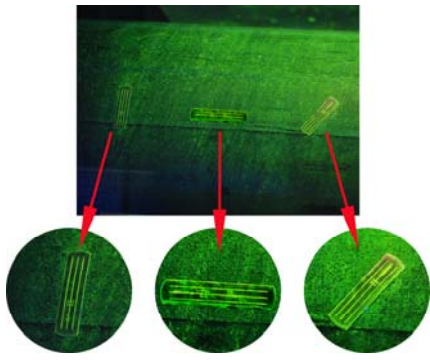




Burmah Castrol Magnetic Field Indicator

Burmah Castrol magnetic field indicators are thin three-layered flexible foil strips. The middle layer (magnetic soft Ni-Fe alloy, high rel. permeability) contains three slots of 42 mm length and different widths in regular spacing (s. table below) for simulation of defects. The outer layers are made of polymer material.

The strip is placed on the top of the test specimen. After magnetisation and application of magnetic particle suspension the magnetic field is indicated by the Burmah Castrol strip. As soon as the magnetic field exceeds a minimum value, the slots become visible through the magnetic particle suspension which is attracted by the flux leakage.

The structure of the artificial defects complies with the requirements of ASTM E 1444-11, Annex A3.

| | TYPE I | TYPE II |
|--|--|--|
| Art. no. | 134.002.110 | 134.002.120 |
|  |  |  |
| Colour | Brass-coloured | Silver-coloured |
| Dimension | 50 mm x 12 mm x 0.15 mm rounded corners | |
| Length of slots | 42 mm | |
| Width of slots | Twice as wide as Type II | |
| Detection | <ul style="list-style-type: none"> • Sufficient field strength and field direction • Sufficient illumination • Appropriate magnetic particles | |
| Sensitivity | High; indications already at low field strength | Very high, indications only at higher field strength |
| Scope of application | General applications | Aerospace |

Heidgraben, August 2018
Subject to technical changes