

TWM 42 N

AC Electromagnetic Yoke

The TWM 42 N electromagnetic yoke provides a portable means of creating AC magnetic fields for the detection of surface indications during magnetic particle testing.

The TWM 42 N operates at 42 V supplied from a separate transformer which is connected to a 230 V AC supply. This satisfies the VDE safety regulations, which means that the TWM 42 N can be used for testing inside vessels, tubes and closed containers. This yoke is also equipped with an exchangeable switch.



FEATURES

- Lightweight ergonomic design
- Durable rugged construction
- Oil and abrasion resistant
- Individual serial number on each yoke

SPECIFICATION COMPLIANCE

- EN 60204-1:2006
- EN ISO 9934-3:2002
- DIN VDE 0100-410:2007
- DIN VDE 0100-540:2012

PRODUCT PROPERTIES

Electrical supply	42 V
Frequency	50 Hz
Pole cross section	28 x 22 mm
Weight of yoke	3.5 Kg
Pull-off strength	17 Kg AC

APPLICATIONS

Defect location: Surface

Ideal for:

- Field testing
- Testing inside vessels, tubes and closed containers
- Spot inspections
- In-service inspections
- Weld inspection

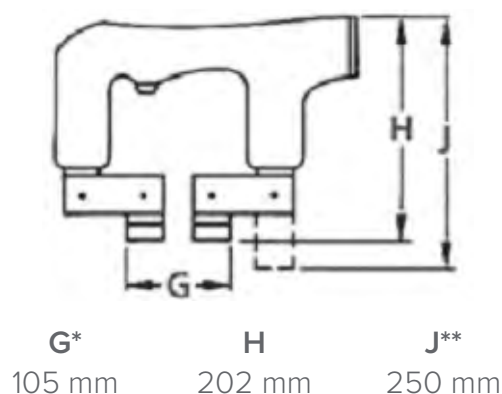
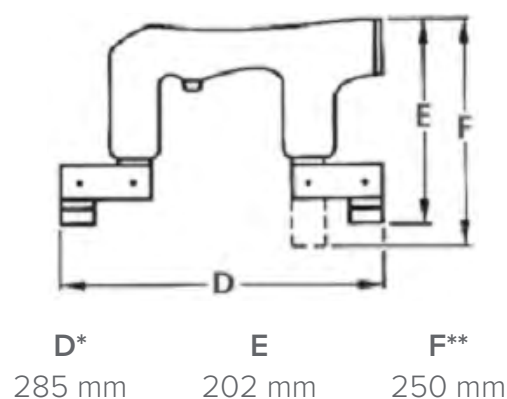
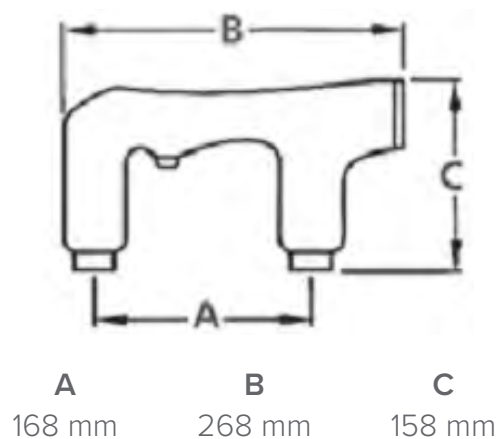
Defect examples:

- Seams
- Tears
- Shrink cracks
- Grinding cracks
- Quenching cracks
- Fatigue cracks

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USER RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
Accessories	Isolating transformer (0771010) Carry Case (136001, 136005)
Pole Pieces	Articulated legs for fillet seam inspection (077004) Articulated legs for inspection of angle pieces, tube bends and other uneven areas (077001) 45° poles for fillet seam inspection (077003) Protective poles to safeguard the pole areas (077002)



* minimum pole distance

** Height in straight position