

TWM Yokes

AC Electromagnetic Yokes

Our TWM yokes are the perfect mobile crack detection units, particularly for checking ferromagnetic parts where burn marks and annealing must not occur. These durable AC electromagnetic yokes are designed to detect surface indications.

TWM A

The TWM A hand yoke is equipped with a switch that can be replaced when it becomes worn or faulty.

TWM N

The TWM N hand yokes have a non-replaceable sealed switch.

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.

The **TWM 220 N** yoke can be connected directly to a 230V AC supply. When used with our adjustable pole pieces, it is ideally suited for testing uneven surfaces, tube bends, angle pieces, etc.

FEATURES

- Lightweight ergonomic design
- Durable rugged construction
- Oil and abrasion resistant

SPECIFICATION COMPLIANCE

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



TWM A



TWM N

APPLICATIONS

Defect location: Surface

Ideal for:

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

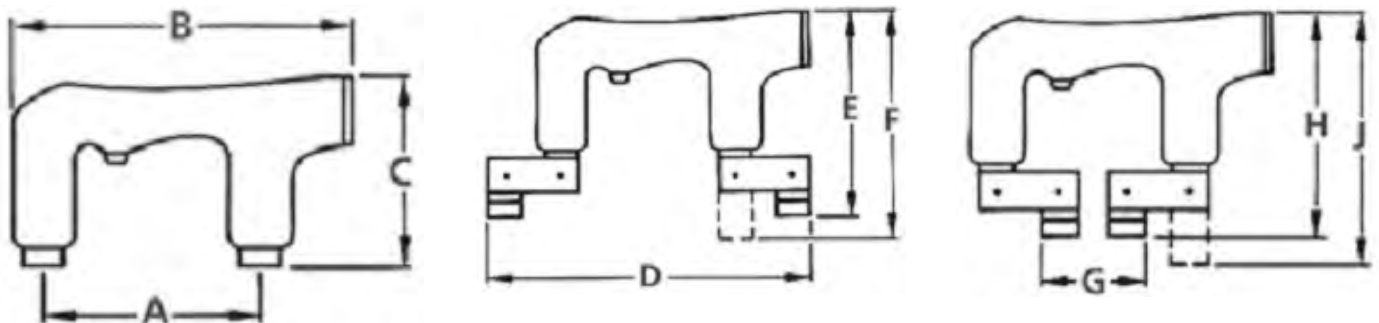
Defect examples:

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

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PRODUCT PROPERTIES

	TWM 220 N	TWM 230 A	TWM 42 A/N
Electrical supply	230 V	230 V	42 V
Frequency	50Hz / 60Hz	50Hz / 60Hz	50 Hz
Pole cross section	28 x 22 mm	28 x 22 mm	28 x 22 mm
Weight of yoke only	3.18 Kg	3.20 Kg	3.10 Kg
Weight of yoke and cable	3.56 Kg	3.58 Kg	3.48 KG
Pull-off strength	16 Kp (50Hz) 10 Kp (60Hz)	16 Kp (50Hz) 10 Kp (60Hz)	17 Kp



Unit type	A mm	B mm	C mm	D ¹ mm	E mm	F ² mm	G ¹ mm	H mm	J ² mm
TWM 220 N	168	268	158	285	202	250	105	202	250
TWM 42A/N	168	268	158	285	202	250	105	202	250
TWM 230 A	168	268	158	285	202	250	105	202	250

¹ min. pole distance ² Height in straight position

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POLE PIECES



Articulated legs for fillet seam inspection
Part number 077004



Articulated legs for inspection of angle pieces,
tube bends and other uneven areas
Part number 077001



45° poles for fillet seam inspection
Part number 077003



Protective poles to safeguard the pole areas
Part number 077002

USER RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
Accessories	Isolating transformer (part number 077110) Repair Kit for TWM A (part number 077026)

PART NUMBERS

TWM 220 N: 071301 TWM 230 A: 071310
TWM 42 N: 072301 TWM 42 A: 072310

Each supplied with a carry case.

