

# Y6

## AC Electromagnetic Yoke

The Y6 is a durable, lightweight AC magnetic yoke designed for reliable, one-person detection of surface and sub-surface indications.

Featuring sealed chemical-resistant construction, articulating legs to contour to any part shape and robust strain-relieved power cord for field use, the Y6 is ideal for inspection of welds and other remote testing.



### FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- Exceeds ASTM lifting specifications
- Individual serial number on each yoke
- Articulated, double-jointed legs
- Demagnetising capability

### APPLICATIONS

**Defect location:** Surface and sub surface

**Ideal for:**

- Field testing
- Difficult to reach areas
- Spot inspections
- In-service inspections
- Weld inspection

**Defect examples:**

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

### SPECIFICATION COMPLIANCE

- ASME Boiler and Pressure Vessel Code Section V, Article 7
- ASTM E709
- ASTM E1444
- ASTM E3024
- EN-ISO 9934-3
- MIL-STD-271

All our Y6 yokes conform to the appropriate UK and European Union directives.

### USER RECOMMENDATIONS

<b>NDT Method</b>	Magnetic Particle Testing
<b>Accessories</b>	Magnetic Indicator Strips (008M004) Certified Test Weight: (077030)

## Y6 Yoke

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### PRODUCT PROPERTIES

<b>Waveform AC</b>	AC
<b>Leg Span / Pole Spacing</b>	2.0-11.0 in / 5.1-27.9 cm
<b>Leg / Pole Contact Size</b>	1.00 x 1.00 in / 25.4 x 25.4 mm
<b>Cord Length</b>	12 ft / 3.7 m
<b>Electrical Plug</b>	EU Type F plug with UK type G adapter
<b>Duty Cycle</b>	25%, maximum on time 90 sec
<b>Lift Strength (4-6 in / 100-150 mm spacing)</b>	> 10 lb / 4.5 kg
<b>Magnetic Field</b>	5kA/m value at 220v 50hz
<b>Dimensions</b>	7.5 x 2.0 x 10 in / 190 x 51 x 254 mm
<b>Weight</b>	8.0 lb / 3.6 kg
<b>Ingress Protection (IEC 60529)</b>	IP 54
<b>Grounding (IEC 60529)</b>	Class 1 with partial Class 2 insulation
<b>Electrical</b>	230 VAC, 50/60 Hz, 2.7 A max
<b>Environmental</b>	32-120°F / 0-49°C, up to 100% RH non-condensing, up to 16,300 ft / 5,000 m altitude
<b>Regulatory</b>	Designed for Mains +/- 10%, Overvoltage Category II, Wet locations, Pollution Degree 2 environment

### PART NUMBER

630405