Y-7 Yoke

AC/DC Electromagnetic Yoke

The Y-7 is a durable, high-strength AC/DC magnetic yoke designed to detect surface and sub-surface indications in the most rugged applications.

Featuring sealed chemical-resistant construction, articulating legs to contour to any part shape and robust strain-relieved twelve-foot cord for field use, the Y-7 is ideal for inspection of welds and other remote testing.

Solid-state controls allow the operator to use AC magnetic fields for surface indications or DC magnetic fields for sub-surface indications to meet all inspection needs.

The Y-7 is also available as a test kit (Y-7 MV Kit), complete with a Y-7 yoke, #1 Gray and #8A Red magnetic powders, a paint marker and hand cleaner towels in a convenient carrying case.

FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- AC and DC operation options for surface and sub-surface inspection
- Exceeds ASTM lifting specifications
- Individual serial number for each yoke

SPECIFICATION COMPLIANCE

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024

APPLICATIONS

Defect location: Surface and subsurface

Ideal for:

- Field testing
- Spot inspections
- In-service inspections
- Demanding environments
- Weld inspection

Defect examples:

- Inclusions
- Seams
- Shrink cracks
- Tears
- Laps
- Welding slag
- Grinding cracks
- Quenching cracks
- Fatigue cracks
PRODUCT PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>115V: 7.4 lb / 3.4 kg</th>
<th>230V: 7.2 lb / 3.3 kg</th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
<td>0–12 in / 0–30 cm</td>
<td>12 ft / 3.7 m</td>
</tr>
<tr>
<td>Cord Length</td>
<td>33%, max on time is 80 seconds</td>
<td></td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>115V - 60 Hz: 6.0 A</td>
<td>230V - 50/60 Hz: 2.7 A</td>
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</tbody>
</table>

USE RECOMMENDATIONS

<table>
<thead>
<tr>
<th>NDT Method</th>
<th>Magnetic Particle Testing</th>
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</thead>
<tbody>
<tr>
<td>Recommended Accessories</td>
<td>Yoke Test Weight PN 624115</td>
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PART NUMBERS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Y-7, 115V</td>
<td>625643</td>
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<tr>
<td>Y-7, 230V</td>
<td>625644</td>
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<tr>
<td>Y-7 MV Kit, 115V</td>
<td>43509</td>
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<tr>
<td>Y-7 MV Kit, 230V</td>
<td>620741</td>
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