

## Y-2 Yoke

### AC Electromagnetic Yoke

The Y-2 is an AC electromagnetic yoke, ergonomically designed to improve productivity and reduce operator arm and wrist fatigue. The yoke generates a strong AC magnetic field for the detection of surface indications during magnetic particle testing.

Lightweight with an ergonomic grip and trigger, the Y-2 is designed for the rugged demands of field inspection. Featuring a field swappable cord and isolated trigger switch; the Y-2 is easily serviceable because a severed cord should not stop a job from getting done.

A super bright LED attachment is available as an optional item to help illuminate the inspection area while simultaneously magnetizing the part. All-in-one Kits are also available, including #8A Red and #1 Gray magnetic powders, a yellow paint marker, and cleaning cloth, for a full inspection kit in one convenient carrying case.



### BENEFITS

#### Increase inspector productivity and reduce physical fatigue

- Less arm strain, wrist fatigue and physical stress help operators get more done due to the lightweight and ergonomic design.
- Easily position the yoke in any direction with lightweight, heavy-duty and powerful electronics components.

### FEATURES

- Ergonomic, light-weight design
- IP54 sealed housing resists dust and water
- Field-swappable power cord
- Isolated, replaceable trigger switch
- Steel shields for leg protection
- Exceeds ASTM lifting specifications
- Convenient carrying case supplied with all yoke shipments
- Optional LED yoke light lasts longer and is more intense compared to traditional bulbs

#### Keep tools in service with a design that's built to last

- Cords and triggers can be easily replaced, so work doesn't stop and tools aren't scrapped due to accidental damage.
- Prevent dust and dangerous water damage with an IP54 o-ring sealed housing.

### APPLICATIONS

**Defect location:** Surface

**Ideal for:**

- Field Testing
- Difficult to reach areas
- Spot, weld and in-service inspections

**Defect examples:**

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

**PRODUCT PROPERTIES**

<b>Electrical Requirements</b> North American PN 628554 European PN 628555 Chinese PN 628560	110-115V, 60 Hz 4.3 A max or 50 Hz 6.3 A max (Type B plug) 220-230V, 50/60 Hz: 2.6 A max (Type F plug with Type G adapter) 220-230V, 50/60 Hz: 2.6 A max (Type I plug)
<b>Waveform</b>	AC
<b>Tangential Field Strength</b>	> 2kA/m at midpoint between legs / poles
<b>Lifting Force</b>	> 10 lb / 4.5 kg (44 N)
<b>Duty Cycle</b>	50%, max on time is 90 seconds
<b>Ingress Protection (IEC 60259)</b>	IP54
<b>EN/EC</b>	CE / WEEE / RoHS
<b>Weight</b>	4.8 lb / 2.2 kg (Yoke only) 6.2 lb / 2.8 kg (with cord)
<b>Leg / Pole Span</b>	2.5 - 10.5 in / 6.4 - 27 cm
<b>Contact / Pole Size</b>	1.00 x 1.75 in / 25 x 19 mm
<b>Cord Length</b>	12 ft / 3.6 m, detachable

**PART NUMBERS**

Series	Part Number	What's Different?			
		Model	Voltage	Plug	Contents
Y-2 Yoke	628554	N. America	115V	Type B	Y-2 yoke & carrying case
	628555	Europe	230V	Type F (Type G adapter)	Y-2 yoke & carrying case
	628560	China	230V	Type I	Y-2 yoke & carrying case
Y-2 Yoke Magnavis Kit*	628556	N. America	115V	Type B	Y-2 yoke, #1 Gray powder, #8A Red powder, yellow paint marker, hand cleaner & carrying case
	628557	S. America & S.E. Asia	230V	Type F (Type G adapter)	Y-2 yoke, #1 Gray powder, #8A Red powder, yellow paint marker, hand cleaner & carrying case

\*Ships only to North America, South America and Southeast Asia.

**SPECIFICATION COMPLIANCE**

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024
- ISO 9934
- API 6A
- AWS D11

**USE RECOMMENDATIONS**

<b>NDT Method</b>	Magnetic Particle Testing
<b>Recommended Accessories</b>	Yoke Test Weight PN 624115 Yoke LED Light PN 628840
<b>Service Parts</b>	North America Cord PN 628297 Europe Cord PN 628298 China Cord PN 628299