

Y-8 Yoke

DC Battery-Powered Electromagnetic Yoke for Magnetic Particle Inspections

The Y-8 is a battery-powered, DC electromagnetic yoke designed to stand up to the most rugged applications. True portability for magnetic particle inspection in the field and remote locations is achieved through a compact battery pack which provides a full 8-hour shift of inspection power.

Featuring sealed chemical-resistant construction and articulating legs to contour to any part shape, the Y-8 MV Kit comes with a Y-8 yoke, sealed battery with pouch, battery charger, #1 Gray magnetic powder, a paint marker and a shop cloth, all in a convenient carrying case.



FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- True portability with compact battery pack
- Exceeds ASTM lifting specifications
- Individual serial number for each yoke

SPECIFICATION COMPLIANCE

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024
- ISO 9934-3

APPLICATIONS

Defect location: Subsurface (and some surface)

Ideal for:

- Field testing
- In-service inspections
- Demanding environments
- Remote sites

Defect examples:

- Inclusions
- Seams
- Tears
- Laps
- Welding slag
- Grinding cracks
- Quenching cracks

PRODUCT PROPERTIES

| | |
|---|---|
| Weight | 8 lb / 3.6 kg (Yoke only) 5.2 lb / 2.4 kg (Battery) |
| Leg Span | 2.0–11.0 in / 5.1–27.9 cm |
| Duty Cycle | 25%, max on time is 90 seconds |
| Current Draw | 4.0 A maximum draw at 6V |
| Battery Charger - USA Version - Global Version | Current Draw - 1.25A max at 115V - 0.2A max at 100-240V |
| Battery Pack Specs | 4.8 lb / 2.2 kg 4.25 x 2.8 x 5.55 in / 10.8 x 7.1 x 14 cm 6V, 12 A hour |

USE RECOMMENDATIONS

| | |
|-------------------|---------------------------|
| NDT Method | Magnetic Particle Testing |
|-------------------|---------------------------|

PART NUMBERS

| Series | Part Number | What's Different? | |
|------------|-------------|-----------------------|---|
| | | Model | Contents |
| Y-8 MV Kit | 628994 | N. America | Y-8 yoke, battery with pouch, battery charger, #1 Gray magnetic powder, yellow paint marker, shop cloth & carrying case |
| | 630540 | Global | Y-8 yoke, battery with pouch, battery charger, #1 Gray magnetic powder, yellow paint marker, shop cloth & carrying case |
| Y-8 | 630550 | Europe (CE certified) | Y-8 yoke, battery with pouch, battery charger, & carrying case |