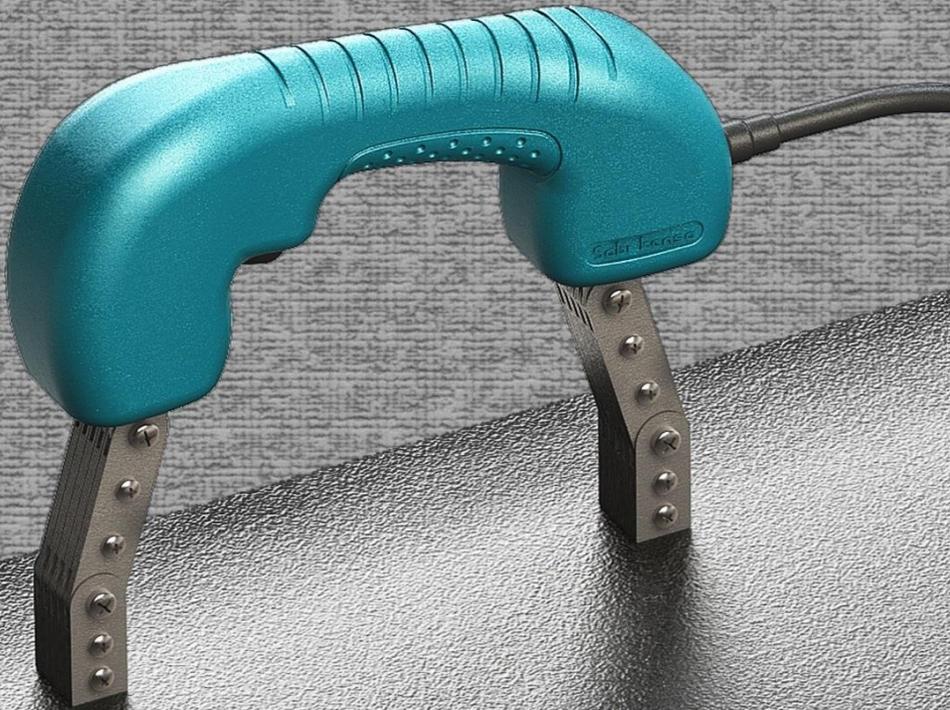


Sabi kense

Magnetic Yoke – SKY10

Catalogue



Introduction



The SKY-10 is the new generation and most advanced electromagnetic yoke of this company. It is a light weight, ergonomically designed yoke that improve job performance by reducing operator arm and wrist fatigue specially at hard positions.

A lot of efforts have been put into making this new product which is the best for the detection of surface indications. This yoke is designed specifically for non-destructive testing (NDT) of magnetic material, known as Magnetic Particle Inspection (MPI). The SKY-10 uses a standard AC mains supply of either 230V, 115V or 48V depending on customer specification.

Features/Specifications/Applications

FEATURES

- Light weight and unique ergonomic design
- Automatic thermal cut-out to prevent burnouts from misuse
- Slim comfortable handle
- Exceeds ASTM lifting requirement
- Low vibration and noise
- Chemical resistant
- Articulated, double –jointed legs
- Individual serial number on each Yoke
- Demagnetizing capability
- Stainless steel sheets for leg protection
- Oil resistant power cord
- Replaceable feet and leg sections

SPECIFICATIONS

- ASTM E709
- ASTM E1444
- ASME Sec. V, Art. 7
- EN-ISO 9934-3
- MIL-STD-271

APPLICATIONS

- Inspection of welds
- Spot inspections
- In-service inspections
- Field testing
- Difficult access area

Technical Specification

Electromagnetic Yoke – SKY10

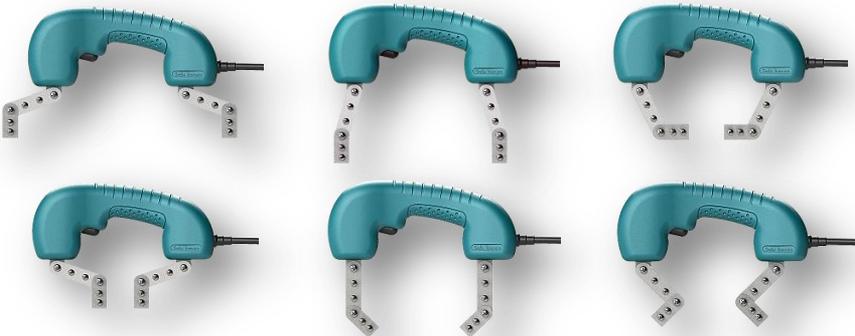
Model	SKY10-A	SKY10-B	SKY10-C
Voltage (Volt - AC)	230	115	48
Part Number	SKY102301	SKY101151	SKY104801
Frequency (Hz)	50/60	50/60	50/60
Current in air - Max (A)	1.8	3.7	7.8
Current - Max (A)	1.3	2.6	4.8
Lifting weight (Kg)	> 9	> 9	> 7
Weight (Kg)	2.1	2.1	2.1
Dimensions (mm)	233 x 200 x 54	233 x 200 x 54	233 x 200 x 54
Leg Span (mm)	50 - 270	50 - 270	50 - 270
Recommended Leg Span (mm)	162	162	162
Cord Length (m)	3.1	3.1	3.1
Duty Cycle (ratio of current "ON" to "total" time)	50%	50%	50%
Maximum current "ON" time (Sec.)	90	90	90
Tangential Field Strength (kA/m)	≥ 2	≥ 2	≥ 2



List of Parts



List of Parts		
Item	Description	Part Number
1	Case	CP161
2	Leg	L1922
3	Feet	F1925
4	Switch	SB241
5	Cable	RC310





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