

Model Series: YG-142 • YG-144

Magnetic Ground Clamp

Welding earth clamp with integrated permanent magnet and screw pad. Provides a fast, tool-free ground connection to ferrous workpieces without drilling or edge access. Copper contact pad for low resistance.



Part.No	Rated Current	Magnet Type	Clamp Range / Pad Ø	Cable Connection	Materials
YG-148	300–500 A (application-dependent)	Permanent magnet with screw compression	Pad Ø ~25–35 mm; adjustable pressure	Bolt post for cable lug	Steel frame, copper/brass contact pad, plated screw

Features / Applications

- Quick magnetic attachment to plates, beams, or fixtures
- Screw pad increases contact pressure and reduces hot spots
- Ideal for tack setups, temporary jigs, and areas without edges for clips
- Works on clean ferrous surfaces; not suitable for stainless/non-magnetic alloys

Normes Applicables / Compliance

- IEC 60974 (welding equipment—accessories guidance)
- RoHS compliant
- Operating temperature: -10 to +80°C
- Ensure contact area is clean and flat; avoid placing near magnetic-field-sensitive devices