

TOUGH GUN THRUARM™ SERIES

FOR OTC AX-V4 SERIES ARC WELDING ROBOTS



**NEW
PRODUCT!**

DESIGNED FOR TODAY'S ROBOTIC WELDING SYSTEMS

Tregaskiss has introduced its latest robotic MIG gun – the TOUGH GUN ThruArm™ Series for OTC AX-V4 series ARC welding robots. It features the patent-pending LSR (Low-Stress Robotic) Unicable technology.

Designed specifically to minimize downtime and improve welding performance on today's through-arm robotic welding systems. The TOUGH GUN ThruArm Series with LSR Unicables is available as a complete package – from the power pin to the contact tip – for both clutch and solid-mount robotic systems, including FANUC, OTC DAIHEN, ABB and Motoman. The LSR Unicables are also available separately for replacement should they become worn, and they can be installed on through-arm robots featuring other select brands of air-cooled robotic MIG guns.

TOUGH GUN™ LSR Unicables incorporate unique features to prevent production downtime. Unlike conventional style unicables with a crimped or solid connection that have limited rotational capabilities, this unicable allows for continuous 360 degree rotation. It includes a rotating power connection that relieves stress caused by routine torsion and a protective conduit to shield the cable components from harsh welding environments. Tregaskiss guarantees the LSR Unicables with a 2 year limited warranty.

At 100% duty cycle*, the TOUGH GUN ThruArm Series and LSR Unicables provide 500 amps air-cooled capacity with CO2 and 350 amps with mixed gases.

*Ratings are based on tests that comply with IEC 60974-7 standards.

FEATURES AND BENEFITS

TOUGH GUN THRUARM SERIES

- Air-cooled solution
- Integrated safety clutch

TOUGH GUN™ LSR UNICABLES

- Continuous 360 degree rotation
- Stress relieving rotating connection limits the influence of torsion and extends the usable life of the unicable
- Standard offering on all ThruArm Series MIG Guns
- 2 year limited warranty

STANDARD OFFERINGS

- TOUGH LOCK™ Contact Tip System provides the improved performance and reliability you need to maximize production and minimize downtime
- Common consumables platform – TOUGH GUN Semi-Automatic and Robotic MIG Guns use the same Tregaskiss Consumables resulting in reduced inventory
- QUICK LOAD™ Liner - requires less than half the time and effort to replace (compared to conventional style liners)
- Specials are available upon request

Tregaskiss

THE FREEDOM TO INNOVATE

TOUGH GUN THRUARM™ SERIES

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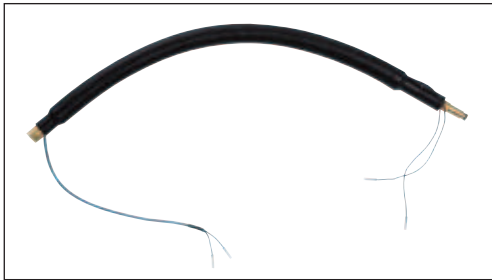
Configure your TOUGH GUN ThruArm MIG Gun to match your welding application!
 Visit www.tregaskiss.com/thruarm for a complete list of available options to fill in the 10 digit part number(s) below.

PART NUMBERING WORKSHEET

| STEP 1: Select Your Robot Model | | | | | STEP 2: Enter Your Configuration Options (visit www.tregaskiss.com/thruarm for details) | | | | | |
|---------------------------------|--------------------------|-------------|---------------|---------------|---|--|---|--|---|---------------------------|
| MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | TOUGH GUN ThruArm Series | Robot Brand | Robot Model 1 | Robot Model 2 | Gun Mount & Option | Nozzle | Gooseneck | Contact Tip | Wire Size | Power Pin |
| AX-V4 | T | D | 0 | 3 | | | | | | |
| AX-V4L | T | D | 2 | 2 | | | | | | |
| Sample Part Number | T | D | 0 | 3 | 1 | G | C | 1 | D | D |
| | TOUGH GUN ThruArm Series | OTC | AX-V4 | | Clutch System | Bottleneck, Standard Duty, Copper, 1/2" Bore, 1/8" stick-out (#401-48-50C) | 45 degree Air-Cooled Quick-Change Gooseneck (#405-45QC) | TOUGH LOCK Heavy Duty Contact Tip (#403-20 series) | Wire Size 1.0mm (#403-20-1.0 contact tip) | Miller Power Pin (#214-1) |

NOTE: The TOUGH GUN I.C.E.™ system MUST use the water-cooled Motoman uncable since the TOUGH GUN™ LSR Uncable is not compatible with TOUGH GUN I.C.E.

TOUGH GUN™ LSR UNICABLES



- The TOUGH GUN LSR Uncable is the core feature in all new TOUGH GUN ThruArm Series MIG Guns
- Stress Relieving Features
 - Limits the influence of torsion and extends the usable life of the uncable
- Extended Warranty
 - 2 year limited warranty
- Air-Cooled Performance
 - Air-cooled MIG gun designed specifically for the latest generation of through-arm robotic arc-welding robots
- Air-Blast option is available

AMPERAGE RATINGS*

| MODEL | 100% Duty Cycle | | 60% Duty Cycle | |
|----------------------------------|-----------------|-------|----------------|-------|
| | C02 | Mixed | C02 | Mixed |
| LSR Uncable Air-Cooled (500 amp) | 500 | 350 | 650 | 500 |

*Ratings in above charts are based on tests that comply with IEC 60974-7 standards.

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www.tregaskiss.com

Tregaskiss is an industry leader in the development and manufacture of semi-automatic and robotic MIG welding guns and robotic peripherals.

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