




# 2024

## WELDING & CUTTING CATALOG

INCLUDING VICTOR // THERMAL DYNAMICS // TWECO // ARCAIR



**WHAT WILL  
YOU MAKE  
POSSIBLE  
WITH ESAB?**

esab.com



## **PASSING THE TORCH TO THE NEXT GENERATION**

ESAB's Future for Fabricators initiative focuses on showcasing those who lead education for aspiring future fabricators. We share inspirational stories, support programs to bring tools and expertise to communities, and make our equipment accessible - all to create a strong foundation for the next generation.



**LEARN MORE**



As fabricators and fabricators' friends, we do some pretty epic work. And none of it would be possible without each and every one of us – the welders, the

**SKYSCRAPERS.** distributors, the engineers, the tools of the  
**MUSCLE CARS.** trade. Across the welding and fabrication  
**WIND TURBINES.** world, the skills we have and the everyday  
**OIL RIGS.** work we do varies greatly, but our

commitment to that work and to how fabrication moves the world forward is a constant that keeps us all reaching for more.

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- WELDING AUTOMATION
- CUTTING AUTOMATION
- MIG GUN CONSUMABLES
- FILLER METALS
- STEEL INDUSTRY PRODUCTS

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# OUR BRAND FAMILY.

ESAB's strong, diversified portfolio of products and offerings is unmatched in our industry. This enables us to better serve our customers and their needs and shape the future of welding and cutting together.



## The World Leader in the Production of Welding and Cutting Equipment and Consumables.

Our innovative, world-renowned equipment and solutions are developed with input from our customers and built with the expertise and heritage of a global manufacturing leader.



## The Leader in Gas Equipment

Victor Gas Equipment's tradition of unparalleled safety, performance and reliability remains a cornerstone of the brand.



## The Standard in Plasma Cutting Performance.

Thermal Dynamics invented the modern plasma electrode, created the lightweight manual plasma cutter category and has redefined high-precision productivity.



## The Leader in Arc Welding Accessories and MIG Guns

Tweco is the industry leader in arc welding accessories, which includes Tweco MIG guns a popular choice among professional welders.



## The Recognized Inventor and Leading Producer of Hardfacing Alloys

Stoody is the leader in hardfacing technology and high alloy filler metals. We formulate products that maximize uptime, extend life cycle and reduce operating cost.



## The Recognized Inventor of Arc Gouging and Exothermic Cutting

Arcair is a world leader in air carbon-arc gouging and exothermic cutting products.



## The Leader in Brazing and Soldering

TurboTorch is the leading provider air fuel brazing and soldering products, which includes portable welding torches, oxy-acetylene gauges and more.



## Premium Stainless Steel and Nickel Alloys

Exaton (formerly Sandvik Welding Operations) specializes in crafting the highest-quality filler metals with unwavering consistency for welding stainless steel and nickel alloys in the most-demanding environments.



## The Most Trusted Name in Aluminum Welding

AlcoTec is the world's largest producer and the foremost expert in the production of aluminum welding wire.



## The Leader in Orbital TIG Welding

Arc Machines, Inc. delivers the world's broadest and most advanced range of automated orbital tube and pipe TIG welding equipment and application.

# THIS IS OUR PLEDGE.



We are committed to putting customers first. The **Iron Clad Pledge** is our promise to keep our customers' complete satisfaction at the forefront of everything we do. Our pledge is centered around:

- 100% Customer Satisfaction Program
- ESAB's extensive product warranties
- Customer-focused business practices

## 100% SATISFACTION PURCHASE PROTECTION.

We offer a 100% satisfaction guarantee on eligible products. If you are not satisfied with your new ESAB product, a credit or replacement will be issued. Should you need assistance, call 1-800-426-1888 and select Option 1 to be connected with a Customer Care representative. Count on ESAB to do whatever it takes to make it right for you.

## THE BEST PRODUCT WARRANTIES IN THE INDUSTRY.

ESAB is a global supplier to the welding and cutting industry. We are committed to providing our customers with reliable, high-quality products. To keep this commitment, we offer solid warranties across the entire ESAB family of brands, including:

- Arc equipment and accessories
- Cutting and gouging equipment
- Filler metals
- PPE

## LIFETIME WARRANTY ON EDGE™ 2.0 REGULATORS.

We have new and expanded warranties on many Victor® products, including a **LIFETIME Warranty** on all EDGE 2.0 regulators. Victor SR Series regulators – along with 100 and 300 Series torches and handles featured in our most popular outfits, such as Journeyman®, Journeyman Select, Performer® and Contender® – now have warranties extended **from 5 years to 10 years** on parts. Additionally, all Victor G Series regulators and 400 Series torches and handles, found in our Medalist® outfits, now have warranties extended **from 5 years to 7 years** on parts.

## CUSTOMER-FOCUSED BUSINESS PRACTICES.

ESAB has standard work processes designed to put customer needs as our top priority. Processes include:

- Voice-of-the-Customer that collects customer input early in the design process to ensure products meet or exceed customer needs.
- Support teams that execute robust, repeatable processes that consistently meet or exceed customer expectations.
- Responsive Customer Care representatives to aid customers with questions and to promote problem resolution.
- Dedication to a constant focus on quality and speed to continually earn our customers' business.



## 100% SATISFACTION IS OUR PROMISE TO YOU.

**Our pledge:** To create the best products and give customers complete buying confidence with our 100% Satisfaction Guarantee and the most extensive warranties, including a new lifetime warranty on all Victor® EDGE™ Series 2.0 regulators.

Learn more at [esab.com/support/warranty](https://esab.com/support/warranty).



# ARC WELDING EQUIPMENT



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**ARC WELDING PROCESSES**

**Gas Metal Arc Welding (GMAW, MIG)**



This most flexible metal joining process involves an arc established between the workpiece and a wire electrode, which is continuously fed by a wire feeder through a torch.

The arc continuously melts the electrode to form the weld puddle.

An appropriate gas or gas mixture shields the weld area from atmospheric contamination.

The GMAW process has the advantages of high deposition rates, speed, excellent weld quality, minimal distortion of the workpiece, and no stub loss.

GMAW applications include several distinct process variations. Selection depends largely on the workpiece thickness and welding position:

**Short Circuiting (Short Arc, Dip Transfer)**

Involves a small fast-freezing weld puddle. Metal is transferred from the electrode to the puddle by repeated short circuits. Small diameter wires are used and the process operates at low currents and voltages. Short arc is used for welding thin gauge metals in all positions and for vertical and overhead welding of heavier sections.

**Spray Arc**

Electrode metal is transferred to the weld puddle as discrete droplets. Deposition rate is high and there is little or no spatter. With solid wire, the technique is used for 1/8 in. (3.2 mm) and thicker workpieces and for downhand welding.

**Pulsed Spray Arc**

The welding current is varied rapidly between a high and a low value. Metal is transferred to the work only during the high current period. The high peak current provides excellent arc stability. The period of low current maintains the arc and reduces the average current, making it possible to weld thinner gauge materials and to weld in all positions using larger sized wire electrodes than otherwise possible.

**Cored Wire (FCAW, MCAW)**

The electrode is fabricated from strip, enclosing a core of flux and metal which protects and refines the weld puddle and controls bead shape. Some cored wires can be used without external shielding gas. Smaller diameter wires can be used for all position welding. The addition of fluxing, alloy and slag-forming materials often allows high deposition rates, higher welding speeds and improved all-position capability compared with solid wires. This makes cored wire the material of choice in many high-production applications.

**Shielded Metal Arc Welding (SMAW, Stick)**



In this first practical arc welding process, the arc is established between a wire rod and the workpiece. The rod is coated with materials, which generate a gas and form a slag to protect the weld puddle and the solidifying weld metal from the atmosphere.

The coating may also supply alloying and refining ingredients, and the slag may help shape the weld bead, especially in vertical and overhead applications.

Electrodes are available for welding most carbon, low alloy, and stainless steels, some non-ferrous metals, and a wide range of maintenance and repair applications.

Light-duty work is often done with AC power from low cost transformers; production work usually involves DC power from heavy-duty rectifiers.

**Gas Tungsten Arc Welding (GTAW, TIG)**



Introduced by ESAB, the GTAW process produces welding heat from an arc between a non-consumable tungsten electrode and the workpiece. An inert gas, usually Argon, shields the arc and the workpiece.

Welding consumables, if used, are added separately. Because the process uses totally inert shielding gas, welds of the highest quality are produced, and almost any metal can be welded.

**Additional Technical Information**

ESAB Technical Service Representatives are available to answer your questions. We also recommend that you take advantage of a series of handbooks published by ESAB which provide excellent guidance on the use of the arc welding processes.

In addition, there are references from other sources which can be very helpful in achieving the best possible results.

Call ESAB at 1.800.ESAB.123 to find out more.



# ROGUE ES 130i PRO AND ES 180i PRO

Portable DC Stick and Stick/TIG Welding Systems



- Dual voltage input supply – flexibility to use any place on single phase plug
- Superior Arc characteristics – smooth and stable performance (including special mode for stick 6010)
- Generator Compliant – suitable for use with generators. (7kW recommended)
- Easy to Use – set the welding current and weld with excellent results
- Practical Design – makes the power source easy to carry which enables use at almost any work site
- Robust Design – IP23S designed for fabrication shop or site application
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 300 feet (12 AWG size)
- Optional analogue remote control (Optional hand remote control MMA4)



### Specifications ES 130i PRO

Input Voltage	Stick (SMAW) Welding Output (230V)	TIG (GTAW) Welding Output (230V)	Current Range
120-230 VAC +/- 15%, 1 ph, 50/60 Hz	130 A / 25.2 V @ 25% Duty Cycle 84 A / 23.4 V @ 60% Duty Cycle 65 A / 22.6 V @ 100% Duty Cycle	130 A / 15.2 V @ 25% Duty Cycle 84 A / 13.4 V @ 60% Duty Cycle 65 A / 12.6 V @ 100% Duty Cycle	10-130 on 230VAC 10-130 on 120VAC, depending on process
Maximum Output	Stick (SMAW) Welding Output (120V)	TIG (GTAW) Welding Output (120V)	Operating Temperature
130 Amp	90 A / 23.6 V @ 25% Duty Cycle 58 A / 22.3 V @ 60% Duty Cycle 45 A / 21.8 V @ 100% Duty Cycle	130 A / 15.2 V @ 25% Duty Cycle 84 A / 13.4 V @ 60% Duty Cycle 65 A / 12.6 V @ 100% Duty Cycle	-10° to +40° C (+14° to +104° F)

### Specifications ES 180i PRO

Input Voltage	Stick (SMAW) Welding Output (230V)	TIG (GTAW) Welding Output (230V)	Current Range
120-230 VAC +/- 15%, 1 ph, 50/60 Hz	180 A / 27.2 V @ 25% Duty Cycle 116 A / 24.6 V @ 60% Duty Cycle 90 A / 23.6 V @ 100% Duty Cycle	180 A / 17.2 V @ 25% Duty Cycle 116 A / 14.6 V @ 60% Duty Cycle 90 A / 13.6 V @ 100% Duty Cycle	10-180 on 230VAC 10-180 on 120VAC, depending on process
Maximum Output	Stick (SMAW) Welding Output (120V)	TIG (GTAW) Welding Output (120V)	Operating Temperature
180 Amp	110 A / 24.2 V @ 25% Duty Cycle 70 A / 22.8 V @ 60% Duty Cycle 55 A / 22.2 V @ 100% Duty Cycle	140 A / 15.6 V @ 25% Duty Cycle 90 A / 13.6 V @ 60% Duty Cycle 70 A / 12.8 V @ 100% Duty Cycle	-10° to +40° C (+14° to +104° F)

Energy Save Mode	Rated kVA	Open Circuit Voltage	Enclosure Class	Dimensions	Weight
50 W	3.9 kVA	78 V DC	IP23S	15.8" x 6" x 10.4" (403 x 153 x 264 mm)	18.2 lbs (8.25 kg)

### Ordering Information

ROGUE ES 130i PRO	0700500091
ROGUE ES 180i PRO	0700500070

Includes: power source with 3 m (10 ft) mains cable and plug (N6-50P), shoulder strap, electrode holder with 3 m (10 ft) cable and return cable 3 m (10 ft) with clamp.

### Options & Accessories

Rogue Plastic Case	0700500085
HW-17R, 60° Head with Rotary Valve, 12.5 ft (3.8 m), 2 pc. cable/hose assembly twist lock	35857
GRF400-580 Flowmeter Regulator	0781-2701
Electrode Holder 200 A and Lead Assembly, 13 ft (4 m), 50 mm	WS200E13
Ground Clamp 200 A and Lead Assembly, 10 ft (3 m), 50 mm	WS200G10
TIG Foot Control, 15 ft (4.5m) cable and 8-pin connector	W4014450
Power Adapter, 230 V to 120 V, 15 A (2 ft, N6-50R to N5-15P)	W4014000

# RENEGADE VOLT ES 200i

- 200A max output (230V), 150A max output (battery power)
- 25% duty cycle at 200A (230V), 25% duty cycle at 110A (battery power)
- Welds up to (33) 3/32" electrodes on a single charge\*
- Compatible with all DeWALT FLEXVOLT batteries
- Arc force and hot start features for more control over weld quality
- AMP+ hybrid mode provides supplemental power from the batteries when running on 110V input power, this helps prevent nuisance trips on 15A breakers
- Dual voltage input power - provides flexibility to use in a wide variety of job sites



### Specifications

Input Voltage	Welding Output, SMAW (AC)	Welding Output, TIG (AC)	Current Range
120/230 VAC ± 15%, 1ph, 50/60 Hz	<b>120V</b> 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %	120V 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %
	<b>230V</b> 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %		10-130 on 230VAC 10-130 on 120VAC, depending on process
Maximum Output	Welding Output, SMAW (Battery Mode)	Welding Output, TIG (Battery Mode)	Operating Temperature
130 Amp	<b>80V</b> 130 A / 25.2 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %	80V 150 A / 16.0 V @ 18 % 115 A / 14.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	-10 to +40 °C (+14 to +104 °F)
Open Circuit Voltage (OCV)	Welding Output, SMAW (Hybrid Mode) AMP+	115 A / 14.6 V @ 25 %	Efficiency at Maximum Current
78 VDC	<b>120V</b> 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %	120V 180A / 17.2 V @ 25 % 130A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %
		<b>230V</b> 200A / 18.0 V @ 25 % 129A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %	80%

### Ordering Information

Renegade VOLT ES 200i (CSA)	0447800880
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### Options & Accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder 200 A and Lead Assembly, 4 m (13 ft), 50 mm	WS200E13
Return cable 200A, 10 ft. (3 m)	0700006901
Shoulder strap	0445197880
Power Adapter, 230 V to 120 V, 15 A (2 ft, N6-50R to N5-15P)	W4014000
Heliarc SR 17V TIG torch, 4 m(12.5 ft)	0700026614



# LEAD THE CHARGE INTO THE VOLTAGE



**No cords. No fuel. No limits.**

Renegade VOLT™ ES 200i is ESAB's newest machine to join the light industrial lineup – bringing a whole new age of welding productivity with it as the first and only to run on DeWALT® FLEXVOLT® batteries. Workshop to worksite, stick to TIG, this is the age of true cordless welding with power and performance that will transform the way you weld forever. **What will you strike first?**



<b>MAX OUTPUT</b> 150 AMPS	<b>MAX OUTPUT</b> 200 AMPS	<b>HYBRID MODE</b> Amp+	<b>WELD CAPACITY</b> 30 min 30 ELECTRODES	<b>HOT SWAP</b>	<b>POWER SOURCE</b> 22 lb.	<b>BATTERY BOX</b> 28 lb. WITH BATTERIES
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Unleash more of the Volt Age at [esab.com/volt](http://esab.com/volt)

## RENEGADE™ ES 300i

Multi-Voltage, Industrial Stick/TIG Machine



- ES 300i has highest power-to-weight ratio in its class weighing in at 33 lbs. (15 kg) and producing 300 A at 40% duty cycle (3 ph)
- Small, lightweight system can virtually go anywhere on the jobsite; its three handle design makes it easy for transportation and maneuvering through manholes and other hard to reach areas
- ES 300i incorporates excellent performance with 6010 (cellulosic) electrodes and additional functionality to tailor Arc Force for a softer or crisper arc through a 6010 mode
- With an excellent TIG operational range from 5 to 300 A, you'll have the confidence to tackle a broad range of material thicknesses
- Intuitive Interface – the machine's digital readout display, along with large buttons with excellent feedback and controls, make it easy to set parameters and read them from a distance
- Cable Management – an integrated latch system helps control cables so they can be secured to the machine, making it easy to pack up and go



STICK MACHINES

Specifications							
Input Voltage	Welding Output TIG		Welding Output Stick		Current Range	Input Current Draw	Rated kVA
230 – 460 VAC 1 ph, 3 ph +/- 10% 50/60 Hz	300 A/20 V @ 40% Duty Cycle, 3 ph 250 A/20 V @ 60% Duty Cycle, 3 ph 200 A/18 V @ 100% Duty Cycle, 1/3 ph		300 A/30 V @ 40% Duty Cycle, 3 ph 250 A/30 V @ 60% Duty Cycle, 3 ph 200 A/28 V @ 100% Duty Cycle, 1/3 ph		5 – 200 A, 1 ph 5 – 300 A, 3 ph	10 A, 400 – 460 V 11 A, 380 V 20 A, 230 V	11.3 kVA
Open Circuit Voltage	Power Factor @ Max Current	Efficiency @ Max Current	Energy Save Mode	Lead Cord Length	Dimensions L x W x H	Weight	
48 V (32 V - VRD)	0.96	85% (TIG) 89% (Stick)	91 W	10 ft. (3 m)	ES 300i: 15.75 x 5.75 x 10 in. (400 x 146 x 255 mm)	ES 300i: 18 lbs. (8 kg)	

Ordering Information	
Renegade ES 300i	0445100881
Renegade ES 300i VRD Active	0445100881-VRD

Standard package includes power supply, shoulder strap, 10 ft. (3 m) input cable, 2 x OKC 50mm connectors (packages do not contain work cables or electrode cables).



STICK MACHINES

# RUFFIAN ES 150G EDW

Compact Engine Driven Welder



- Advanced control over arc parameters, including adjustable Arc Force, to optimize the arc – especially with 6010 electrodes
- Impressive power output of 150A at 60% duty cycle
- Thermal protection for the welder and generator guaranteeing a long, useful life
- Latest inverter technology ensures a stable and smooth stick arc that produces the cleanest welds
- Trusted Kohler gas engine meets a high standard of power and reliability
- Fuel-efficient 5-gallon gas tank and engine hour meter
- Auxiliary generator output voltage is independent from the welding current, allowing simultaneous use of electrical tools without worrying about adjustments to the welder settings
- Four 120 VAC, 20 A GFCI receptacles and one 240 VAC (6-50R) receptacle, all protected by a circuit breaker and covers
- Easy to maneuver through the job site with large industrial-grade wheels that provide high ground clearance; and ergonomic, removable handles that distribute weight evenly
- 3-year warranty by ESAB on welder/generator and 3-year warranty by Kohler on engine



### Specifications (Welding Machine)

Output Setting Range (DC), Stick (SMAW)	Rated Duty Cycle, Stick (SMAW)	Open Circuit Voltage (OCV)
20 A/20.8 V – 150 A/26 V	60% @ 150 A/26 V 100% @ 115 A/24.6 V	78 V

### Specifications (Generator)

Phases	Voltages	Frequency	Peak Power	Continuous Power	Max Current (without Welding)
1 ph	120/240 VAC	60 Hz	4.5 kVA/kW	4 kVA/kW	34 A (120V AC); 17 A (240V AC)

### Specifications (Engine)

Brand, Model, and Warranty	Power	Fuel Type	Cooling Type	Cylinders	RPM
Kohler Command PRO CH440, 3-year warranty by manufacturer	14 HP	Gasoline	Air	1	3600

### Specifications (General)

Fuel Tank Capacity	Enclosure Class	Dimensions L x W x H (w/o Wheels and Handles)	Dimensions L x W x H (w/ Wheels and Handles)	Weight (Empty Gas Tank) (w/o Wheels and Handles)	Weight (Empty Gas Tank) (w/ Wheels and Handles)
18.93 L (5.0 US gal)	IP23S	28.70 x 22.52 x 25.98 in. (729 x 572 x 660 mm)	40.83 x 28.74 x 31.61 in. (1037 x 730 x 803 mm)	223.8 lbs (101.5 kg)	248.0 lb (112.5 kg)

### Ordering Information

ESAB Ruffian ES 150G EDW	0707070150
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Includes: Ruffian ES 150G Engine Driven Welder, (2) Industrial grade wheels, (2) industrial grade handles.

### Options & Accessories

Electrode Holder 200A and Lead Assembly, 4 m (13 ft)	WS200E13
Ground Clamp 200A and Lead Assembly, 3 m (10 ft)	WS200G10
Lifting Eye	0707071001
Protective Cover, ES 150G EDW	0707071002
Tweco® Style to OKC Adapter Connector	94251240

Note: Spare and wear parts for Kohler Command PRO CH440 engine are offered by Kohler. See separate user manual for details.

# BLAZE YOUR TRAIL WITH ESAB.



## Equipped for everything. So you can do anything.

Running wild off the grid with Ruffian, ESAB's new compact engine-driven welder. Plugging into the full MIG/TIG/stick package of Rebel, or the high-performance SMAW and TIG capabilities of Rogue. Keeping safe from sparks with Sentinel's perfect optics. Get your gloves on all our latest light industrial technology and let's refine what's possible.



Explore our latest engine drive, Ruffian, at [esab.com/ruffian](https://esab.com/ruffian). And check out the rest of our light industrial lineup at [esab.com/light-industrial-welding](https://esab.com/light-industrial-welding).



# ET 141i AC/DC

Portable AC/DC HF TIG/Stick Welding System



- AC and DC output for aluminum and non-ferrous alloys, stainless, mild steel and chrome moly
- AC Frequency preset sets the frequency of the AC square wave and Wave Balance sets the penetration to cleaning ratio when welding on aluminum
- Lift TIG arc starts for easy arc initiation
- Preflow and postflow presets controls the shielding gas before and after the weld
- Hot Start ensures arc starts without sticking when running Stick (SMAW)

Specifications							
Input Voltage	Supply Voltage	Current Range	Max. Output	Rated kVA	Supply Plug	Lead Cord Length	
Nominal 120 VAC 1 ph, 50/60 Hz	108-132 VAC	10-140 A	140 A	5 kVA @ 180 A	NEMA 5-20P	10 ft. (3 m)	
Welding Output		Open Circuit Voltage	Protection Class				
TIG (GTAW) welding output 40°C (104°F) 140 A/15.6 V @ 20% Duty Cycle 75 A/13 V @ 60% Duty Cycle 60 A/12.4 V @ 100% Duty Cycle		Stick (SMAW) welding output 40°C (104°F) 90 A/23.6 V @ 20% Duty Cycle	77.6 VDC/92.8 VAC	IP23S			
Dimensions L x W x H			Weight				
17 x 9.45 x 15.75 in. (432 x 240 x 400 mm)			48.4 lbs. (22 kg)				

Ordering Information	
ET 141i AC/DC TIG/Stick System	W1006311

W1006311 Includes: ET 141i AC/DC power supply, argon flow gauge regulator and 12.5 ft. (3.8 m) hose, TIG torch and accessories, 17 Style, 13 ft. (4 m), 4 general purpose stick electrodes (E6013), power adapter 120V 20A to 15A, 10 ft. (3 m) power cord and NEMA 5-20P 120 VAC plug, 150A electrode holder with 13 ft. (4 m) lead, 150A ground clamp with 3 m (10 ft.) lead, operator's manual.

Options & Accessories		
TIG Torch and Accessories, 17 Style, 13 ft. (4 m)		W4012701
Electrode Holder 200A and Lead Assembly, 13 ft. (4 m), 50 mm		1201-9577
Ground Clamp 200 A and Lead Assembly, 10 ft. (3 m), 50 mm		1201-9585
Victor Argon Flow Gauge Regulator GF-250-50-580		0781-9411
Gas Hose, 12.5 ft. (3.8 m), Male 5/8-18UNF		W4013900
Foot Control, 15 ft. (4.6 m) cable and 8-pin Male Plug		W4013200
Power adapter, 120V 20A to 15A		W4013300
Basic Utility Cart, max 7 in. (177.8 mm) diameter cylinder		W4014700

# ET 186i AC/DC

Portable AC/DC HF TIG/Stick Welding System



- AC and DC output for aluminum and non-ferrous alloys, stainless, mild steel and chrome moly
- HF Arc Start: provides non-contact arc starting that eliminates tungsten or material contamination
- Pulse: changes the weld current from high to low at a specified frequency, reduces heat input on thin material (0.5 Hz - 200 Hz)
- AC Frequency: adjustable frequency of the AC square wave when welding on aluminum for optimized set up (15 Hz - 150 Hz)
- Wave Balance: adjustable for optimized penetration or cleaning action when welding on aluminum

Specifications						
Input Voltage	Supply Voltage	Current Range	Max. Output	Rated kVA	Supply Plug	Lead Cord Length
208/230 VAC 1 ph, 50/60 Hz	187 - 253 VAC	10 - 200 A (TIG) 10 - 170 A (Stick)	200 A	9.5 kVA @ 200 A	NEMA 6-50P	10 ft. (3 m)
Welding Output			Open Circuit Voltage	Protection Class		
TIG (GTAW) welding output 40°C (104°F) 200 A/18 V @ 20% Duty Cycle 116 A/14.6 V @ 60% Duty Cycle 90 A/13.6 V @ 100% Duty Cycle		Stick (SMAW) welding output 40°C (104°F) 170 A/26.8 V @ 15% Duty Cycle 100 A/24 V @ 60% Duty Cycle 80 A/23.2 V @ 100% Duty Cycle	70.3 VDC/50 VAC	IP23S		
Dimensions L x W x H			Weight			
18.7 x 9.5 x 15.8 in. (475 x 240 x 400 mm)			48.4 lbs. (22 kg)			

Ordering Information	
ET 186i AC/DC TIG/Stick System	W1006301

Includes: ET 186i AC/DC inverter power supply, electrode holder with 13 ft. (4 m) lead, work clamp with 10 ft. (3 m) lead, 26 TIG torch 12.5 ft. (3.8 m) lead with integrated controls and accessories, input power cable/plug 9 ft. (2.75 m), Victor argon flow gauge regulator, 12.5 ft. (3.8 m) hose, electrode bonus, shoulder strap and operating manual/CD.  
Foot Control package includes: all components from W1006301 plus foot control with 15 ft. (4.6 m) cable.  
Foot Control/Utility Card package includes: all components from W1006301 plus foot control with 15 ft. (4.6 m) cable and basic utility cart.

Options & Accessories	
TIG Torch and Accessories (required for TIG welding)	W4013600
Electrode Holder 200A and Lead Assembly, 13 ft (4 m), 25 mm	9110-1177
Ground Clamp 200 A and Lead Assembly, 10 ft (3 m), 25 mm	9255-1140
Victor Argon Flow Gauge Regulator GF-250-50-580	0781-9411
Gas Hose, 12.5 ft (3.8 m), Male 5/8-18UNF	W4013900
Foot Control, 15 ft (4.6 m) cable and 8-pin Male Plug	W4013200
Basic Utility Cart, max 7 in. (177.8 mm) diameter cylinder	W4014700



TIG MACHINES



TIG MACHINES

# ROGUE ET 200iP PRO

Portable TIG/Stick Welding System



- Excellent high frequency TIG start ensures no failures on ignition with superior arc characteristics for smooth and stable performance
- Easy to Use – set the welding current and weld with excellent results
- Robust Design – IP23S designed for both fabrication floor or site applications
- Advanced TIG controls for full cycle control to match every application you need, and pulse feature up to 500 Hz for better heat input control
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 328 ft (100 m)
- Compatible with current adjust foot pedal (sold separately)



Specifications						
Primary Voltage	Current Range	Max. Output	Rated kVA	Energy Save Mode	Operating Temperature	Certification Mark
115/230 VAC ±15% 1 ph, 50/60 Hz	10-200 A	200 A	7 kVA	50 W	-10° to +40° C (+14° to +104° F)	CSA
Welding Output			Open Circuit Voltage	Enclosure Class		
TIG (GTAW) welding output 200 A / 18.0 V @ 25% Duty Cycle 129 A / 15.2 V @ 60% Duty Cycle 100 A / 14.0 V @ 100% Duty Cycle		Stick (SMAW) welding output 200 A / 28.0 V @ 25% Duty Cycle 129 A / 25.2 V @ 60% Duty Cycle 100 A / 24.0 V @ 100% Duty Cycle	78 VDC	IP23S		
			Dimensions L x W x H	Weight		
			15.7" x 6" x 10.4" (403 x 153 x 264 mm)	21.2 lbs (9.6 kg)		

Ordering Information	
Rogue ET 200iP PRO CSA	0700500073

Package includes: power source with 10 ft (3 m) mains cable and plug, shoulder strap, TIG torch SR-B 26 type with flexible neck and potentiometer 13 ft (4 m), a set of wear parts including tungsten electrode, SMAW electrode holder 10 ft (3 m), work lead with clamp 10 ft (3 m), gas regulator, power adapter 115V/230V.

Options & Accessories	
Shoulder Strap	0700500086
MMA 4 Analogue Remote Control incl. 32 ft (10 m) cable and 8-pin connector	0700500084
ESAB Heliarc SR-17 with Rigid Neck 12.5ft	0700026610
ESAB Heliarc SR-17 with Rigid Neck 25ft	0700026611
Victor Argon Flow Gauge Regulator GF-250-50-580	0781-9411
Electrode Holder 200 A and Lead Assembly, 13 ft (4 m), 50 mm	WS200E13
Ground Clamp 200 A and Lead Assembly, 10 ft (3 m), 50 mm	WS200G10
TIG Foot Control, 15 ft (4.5 m) cable and 8-pin connector	W4014450



# RENEGADE™ ET 300iP

Multi-Voltage, Industrial Stick/TIG Machines



- ET300iP - Pulse HF TIG. 0.1 - 1000 pulse frequency range, the widest range in its category giving you maximum precision TIG welding capability including better arc control, penetration and increased travel speeds
- Air- and water-cooled packages available with easy, intuitive set-up for ET 300iP
- Small, lightweight system can virtually go anywhere on the jobsite; its three handle design makes it easy for transportation and maneuvering through manholes and other hard to reach areas
- With an excellent TIG operational range from 5 to 300 A, you'll have the confidence to tackle a broad range of material thicknesses
- Intuitive Interface – the machine's digital readout display, along with large buttons with excellent feedback and controls, make it easy to set parameters and read them from a distance
- Cable Management – an integrated latch system helps control cables so they can be secured to the machine, making it easy to pack up and go



TIG MACHINES

Specifications						
Input Voltage	Welding Output TIG		Welding Output Stick	Current Range	Input Current Draw	Rated kVA
230 – 460 VAC 1 ph, 3 ph +/- 10% 50/60 Hz	300 A/20 V @ 40% Duty Cycle, 3 ph 250 A/20 V @ 60% Duty Cycle, 3 ph 200 A/18 V @ 100% Duty Cycle, 1/3 ph		300 A/30 V @ 40% Duty Cycle, 3 ph 250 A/30 V @ 60% Duty Cycle, 3 ph 200 A/28 V @ 100% Duty Cycle, 1/3 ph	5 – 200 A, 1 ph 5 – 300 A, 3 ph	10 A, 400 – 460 V 11 A, 380 V 20 A, 230 V	11.3 kVA
Open Circuit Voltage	Power Factor @ Max Current	Efficiency @ Max Current	Energy Save Mode	Lead Cord Length	Dimensions L x W x H	Weight
48 V (32 V - VRD)	0.96	85% (TIG) 89% (Stick)	91 W	10 ft. (3 m)	ET 300iP: 18.1 x 7.9 x 12.6 in. (460 x 200 x 320 mm)	ET 300iP: 37.3 lbs. (16.9 kg) without cooler 59.3 lbs. (59.3 kg) with cooler

Ordering Information	
Renegade ET 300iP Std Pkg	0445100921
EC 1000 Water Cooler	0445045880

Standard package includes power supply, shoulder strap, 10 ft. (3 m) input cable, 2 x OKC 50mm connectors & EC 1000 Water Cooler (packages do not contain work cables or electrode cables).



# ET 301i AC/DC

HF TIG Inverter Power Supply



- High output, full digital control, AC/DC, inverter power supply for precision TIG and Stick welding with expanded input voltage capabilities for maximum flexibility
- High frequency start, Lift Arc TIG start, automatic downslope, pulse, repeat (latch) function, memory function and automatic gas management
- Automatic input voltage selection – operates on 208-230/460V single or three phase
- Lightweight and portable at 35.9 lbs. (16.3 kg)
- Tiptronic - 100 memory functions
- Robust aluminum metal case



Specifications				
Input Voltage	Current Range		Effective Input Current	Max. Input Current
208 – 230/460 VAC +/-15%, 1/3 ph, 50/60 Hz	TIG 1 ph: 5 – 200 A TIG 3 ph: 5 – 300 A	Stick 1 ph: 10 – 150 A Stick 3 ph: 10 – 200 A	1 ph: 37.3 A (208 V), 33.7 A (230 V), 18.1 A (460 V) 3 ph: 23.8 A (208 V), 21.6 A (230 V), 11.6 A (460 V)	1 ph: 37.3 A (208 V), 33.7 A (230 V), 18.1 A (460 V) 3 ph: 35.4 A (208 V), 32.0 A (230 V), 17.2 A (460 V)
Welding Output		Open Circuit Voltage	Protection Class	
TIG (GTAW) welding output 40°C (104°F) 200 A/18 V @ 60% Duty Cycle, 1 ph 300 A/22 V @ 30% Duty Cycle, 3 ph 170 A/16.8 V @ 100% Duty Cycle, 1/3 ph		<113 V (VRD active)	IP23S	
Stick (SMAW) welding output 40°C (104°F) 150 A/26 V @ 100% Duty Cycle, 1 ph 200 A/28 V @ 60% Duty Cycle, 3 ph 165 A/26.6 V @ 100% Duty Cycle, 3 ph		Dimensions L x W x H	Weight	
		19 x 7.25 x 13 in. (483 x 185 x 326 mm)	35.9 lbs. (16.3 kg)	

Ordering Information	
ET 301i AC/DC power source	W1009400
ET 301i AC/DC HF TIG Water-Cooled	W1009401

HF TIG package includes: inverter power source, 300A WC TIG torch w/Accy's., water recirculator, work and electrode lead, gas hose and flowmeter / regulator, industrial cart, operator's manual & set-up DVD, primary cable and Dinse plugs.

# ET 301i AC/DC ACCESSORIES



Options & Accessories	
TIG Torch, 26 w/8 pin hand remotes, 12.5 ft. (3.8 m), 2 in. (50 mm) & accessory kit	W4013600
TIG Torch, 18, 25 ft. (7.6 m), water-cooled, 2 in. (50 mm) & accessory kit	W4013604
Tweco 200A electrode holder & lead assy. 13 ft. (4 m) length, 2 in. (50 mm) Dinse	91101177
Tweco 200A ground clamp & lead assy. 10 ft. (3 m) length, 2 in. (50 mm) Dinse	92551140
Victor ESS3-RG-580 EDGE Argon flowgauge regulator	0781-5120
Gas hose, 12.5 ft. (3.8 m) length, male 5/8 in. -18unf gas fittings	W4013900
Foot control contactor on/off & current control w/8-pin male plug and 15 ft. (4.6 m) cable	600285
Foot control contactor on/off & current control w/8-pin male plug and 25 ft. (7.6 m) cable	10-4016
HP-100 hand held remote control pendant	10-4014
Torch mounted contactor on/off w/8-pin male plug and 15 ft. (4.6 m) cable	10-4006
Torch mounted contactor on/off w/8-pin male plug and 25 ft. (7.6 m) cable	10-4007
Torch mounted contactor on/off & current control w/8-pin male plug & 15 ft. (4.6 m) cable, fits CK9 style handle	10-4008
Torch mounted contactor on/off & current control w/8-pin male plug & 15 ft. (4.6 m) cable, fits CK17 style handle	10-4009
Torch mounted contactor on/off & current control w/8-pin male plug & 15 ft. (4.6 m) cable, fits CK26 style handle	10-4010
Torch mounted contactor on/off & current control w/8-pin male plug & 25 ft. (7.6 m) cable, fits CK9 style handle	10-4011
Torch mounted contactor on/off & current control w/8-pin male plug & 25 ft. (7.6 m) cable, fits CK17 style handle	10-4012
Torch mounted contactor on/off & current control w/8-pin male plug & 25 ft. (7.6 m) cable, fits CK26 style handle	10-4013
Torch mounted contactor on/off & current control w/8-pin plug & 15 ft. (4.6 m) cable	600296
Torch mounted contactor on/off & current control w/8-pin plug & 25 ft. (7.6 m) cable	600297
110VAC water recirculator	W4001303
Water recirculator to power supply interface cable	W4001350
Industrial trolley (running gear/cylinder rack)	W4010003



# ROGUE EM 125



- Large 14 Segment Display – instantaneous feedback for both voltage and wire feed speed for clear viewing
- Unique rugged industrial design – supporting multiple lift points and cable management
- Weld material thicknesses up to 5 mm (3/16 in.)
- Energy Save Mode – after 10 minutes of inactivity the unit will enter this state to reduce power consumption.
- Arc Dynamics - fine tune arc characteristics based on the material being welded
- Advanced control features – adjustable pre- and post-flow, burn back control, creep start and 2T/4T trigger latch



Rogue EM 125 Specifications						
Primary Voltage	Supply Voltage Range	Open Circuit Voltage	Current Range	Max. Input Current	MIG (GMAW) Welding Voltage Range	Nominal OCV
120 VAC ± 10%, 1ph, 50/60 Hz		50 VDC	30 – 125 A	> 80%		
MIG (GMAW) Welding Output		Maximum Plate Thickness	Wire Feed Speed	Wire Spool Capacity		
90 A / 18.5 V at 30%, 64 A / 17.2 V at 60% 49 A / 16.5 V at 100%		3/16"	2.0 – 11.4 m/min (75 – 450 ipm)	100 mm (4 in.), 200 mm (8 in.)		
Wire Dimensions		Protection Class		Certification Mark		
Mild Steel	0.6 – 0.9 mm (0.023 – 0.035 in.)	IP23S		cETLus		
Stainless Steel	0.6 – 0.9 mm (0.023 – 0.035 in.)	Dimensions L x W x H		Weight		
Cored Wire	0.8 – 0.9 mm (0.030 – 0.035 in.)					
		590 x 220 x 385 mm (23.2 x 8.7 x 15.2 in.)		12.6 kg (27.7 lbs)		

Ordering Information	
Rogue EM 125 Welding System	0700301081

Delivery includes: 125A MIG/MAG power source, Integrated MIG/MAG Gun 3 m (10 ft), Contact tips 1 ea. 0.6 & 0.8 mm (0.023/0.030 in), Return cable kit, 16 mm<sup>2</sup>, OKC 25, heavy duty, 3 m (10 ft), Gas hose with 5/8 in 18 RH fittings 3 m (10 ft), Feed rolls 0.6/0.8 mm (0.023/0.030 in) VK, Instruction manuals.

Options & Accessories	
Basic Utility Cart (Single cylinder)	1444-0900
Trolley 2-wheel with cylinder support	0460330881
Victor GF-250-50-580, Flow Gauge Regulator, for Ar/CO2	0781-9411
Victor GRF400-320 Flowmeter Regulator, for CO2	0781-2703
Gas hose with 5/8 in 18 RH fittings, 3m (10 ft)	0700400858
Return cable kit, 16 mm <sup>2</sup> , OKC 50, 3 m (10 ft)	0700006901
Return cable kit, OKC 25, 3 m (10 ft)	1444-1186
MIG Gun, 3m (10 ft)	1444-1178
Victor GRF400-320 Flowmeter Regulator, for CO2	0781-2703
Feed Roll, 0.6/0.8 mm (0.023/0.030 in) VK (Installed)	1444-1180

# ROGUE EM 140



- Large 14 Segment Display – instantaneous feedback for both voltage and wire feed speed for clear viewing
- Unique rugged industrial design – supporting multiple lift points and cable management
- Weld material thicknesses up to 6 mm (1/4 in.)
- Energy Save Mode – after 10 minutes of inactivity the unit will enter this state to reduce power consumption.
- Arc Dynamics - fine tune arc characteristics based on the material being welded
- Advanced control features – adjustable pre- and post-flow, burn back control, creep start and 2T/4T trigger latch
- Spool Gun Ready – Rogue automatically configures set up when spool gun is connected (Spool Gun sold separately)



Rogue EM 140 Specifications						
Primary Voltage	Supply Voltage Range	Open Circuit Voltage	Current Range	Max. Input Current	MIG (GMAW) Welding Voltage Range	Nominal OCV
120 VAC ± 10%, 1ph, 50/60 Hz		50 VDC	30 – 140 A			
MIG (GMAW) Welding Output		Maximum Plate Thickness	Wire Feed Speed	Wire Spool Capacity		
90 A / 18.5 V at 30%, 64 A / 17.2 V at 60% 49 A / 16.5 V at 100%		1/4"	2.0 – 11.4 m/min (75 – 450 ipm)	100 mm (4 in.), 200 mm (8 in.)		
Wire Dimensions		Protection Class		Certification Mark		
Mild Steel	0.6 – 0.9 mm (0.023 – 0.035 in.)	IP23S		cETLus		
Stainless Steel	0.6 – 0.9 mm (0.023 – 0.035 in.)	Dimensions L x W x H		Weight		
Aluminum	0.8 – 0.9 mm (0.030 – 0.035 in.)					
Cored Wire	0.8 – 0.9 mm (0.030 – 0.035 in.)	590 x 220 x 385 mm (23.2 x 8.7 x 15.2 in.)		13.1 kg (28.8 lbs)		

Ordering Information	
Rogue EM 140 Welding System	0700301082

Delivery includes: 140A MIG/MAG power source, Tweco Fusion 180 MIG/MAG Torch 3 m (10 ft), Victor Gas Regulator/Flow gauge, Return cable kit, 16 mm<sup>2</sup>, OKC 50, 3 m (10 ft), Gas Hose 3 m (10 ft), ESAB OK AristoRod 12.50 0.8 mm (0.030 in.) 1 kg (2.2 lbs), Feed rolls 0.6/0.8 mm (0.023/0.030 in.) V (fitted), 0.8/0.9 mm (0.030/0.035 in.) V and 0.8/0.9 mm (0.030/0.035 in.) VK, Contact Tips 0.6, 0.8, 0.9 mm (0.023, 0.030, 0.035 in), Instruction manuals.

Options & Accessories	
Basic Utility Cart (Single cylinder)	1444-0900
Trolley 2-wheel with cylinder support	0460330881
Victor GF-250-50-580, Flow Gauge Regulator, for Ar/CO2	0781-9411
Victor GRF400-320 Flowmeter Regulator, for CO2	0781-2703
Gas hose with 5/8 in 18 RH fittings, 3m (10 ft)	0700400858
Tweco Fusion 180A MIG Gun, 3m (10 ft)	1017-1338
Return cable kit, 16 mm <sup>2</sup> , OKC 50, 3 m (10 ft)	0700006901
Tweco Spool Gun 160A 3.5 m (12 ft)	1027-1397
Return cable kit, OKC 25, 3 m (10 ft)	1444-1186
MIG Gun, 3m (10 ft)	1444-1178
Victor GRF400-320 Flowmeter Regulator, for CO2	0781-2703
Feed Roll, 0.6/0.8 mm (0.023/0.030 in) VK (Installed)	1444-1180



# ROGUE EM 190 PRO



- Full feature MIG/MAG machine for Synergic MIG/MAG, Manual MIG/MAG, MIG Brazing, Flux-Cored
- Intuitive 5.0 in TFT screen offers clear views with direct interaction
- Synergic Weld Programs (27) – full range of welding parameters, 0.5 – 10.0 mm (0.020 – 0.375 in) with single knob control
- Power Factor Correction (PFC) – ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 100 m (328 ft)
- Unique rugged industrial design – supporting multiple lift points and cable management
- Arc Dynamics – fine tune arc characteristics for a crisp/stiff arc for carbon steel or a smooth/soft arc for stainless steel
- Jobs – 10 memory save/recall function
- Spool Gun Ready – Rogue automatically configures set up when spool gun is connected (Spool Gun sold separately)
- Multi-language display – configure the display to 1 of 29 languages
- Energy Save Mode – after 2 minutes of inactivity the unit will enter this state to reduce power consumption.
- IP23S rated for indoor/outdoor use



Specifications						
Primary Voltage	Supply Voltage Range	Open Circuit Voltage	Current Range	Max. Input Current	MIG (GMAW) Welding Voltage Range	Nominal OCV
230 VAC ± 10%, 1ph, 50/60 Hz	12 – 26 V	78 VDC	30 – 190 A	> 82%		
MIG (GMAW) Welding Output		Maximum Plate Thickness	Wire Feed Speed	Wire Spool Capacity		
145 A / 21.25 V at 30%, 102 A / 19.1 V at 60% 79 A / 17.95 V at 100%		3/8"	2.0 – 16.5 m/min (75 – 650 ipm)	100 mm (4 in), 200 mm (8 in)		
Wire Dimensions		Protection Class	Certification Mark			
Mild Steel	0.6 – 0.9 mm (0.023 – 0.035 in)	IP23S	cETLus			
Stainless Steel	0.6 – 0.9 mm (0.023 – 0.035 in)	Dimensions L x W x H	Weight			
Aluminum	0.8 – 0.9 mm (0.030 – 0.035 in)					
Cored Wire	0.8 – 0.9 mm (0.030 – 0.035 in)					
		590 x 220 x 385 mm (23.2 x 8.7 x 15.2 in.)	16.9 kg (37.3 lbs.)			

Ordering Information	
Rogue EM 190 PRO MIG Welding System	0700301083

Delivery includes: 190A MIG/MAG power source, Tweco Fusion 180 MIG/MAG Torch 3 m (10 ft), Victor Gas Regulator/Flow gauge, Return cable kit, 16 mm<sup>2</sup>, OKC 50, 3 m (10 ft), Gas Hose 3 m (10 ft), ESAB OK AristoRod 12.50 0.8 mm (0.030) 1 kg (2.2 lbs), Feed rolls 0.6/0.8 mm (0.023/0.030 in.) V (fitted), 0.8/0.9 mm (0.030/0.035 in.) V and 0.8/0.9 mm (0.030/0.035 in.) VK, Contact Tips 0.6, 0.8, 0.9 mm (0.023, 0.030, 0.035 in), Instruction manuals.

Options & Accessories	
Basic Utility Cart (Single cylinder)	1444-0900
Trolley 2-wheel with cylinder support	0460330881
Victor GF-250-50-580, Flow Gauge Regulator, for Ar/CO <sub>2</sub>	0781-9411
Victor GRF400-320 Flowmeter Regulator, for CO <sub>2</sub>	0781-2703
Gas hose with 5/8 in 18 RH fittings, 3m (10 ft)	0700400858
Tweco Fusion 180A MIG Gun, 3m (10 ft)	1017-1338
Return cable kit, 16 mm <sup>2</sup> , OKC 50, 3 m (10 ft)	0700006901
Tweco Spool Gun 160A 3.5 m (12 ft)	1027-1397

# ESAB EM 210

ESAB Dual Voltage 200 Amp  
MIG/Flux Cored Welding System



- ESAB EM 210 is a MIG/Flux Cored welding system with a 30 – 200A output; welds material from 22 gauge up to 3/8 in. in a single pass; accepts 4 in. and 8 in. diameter wire spools
- Improve welding results with advanced functions typically found on industrial machines: MIG wire run-in, burn-back, variable inductance, 2T/4T trigger control, gas pre and post-flow, Stick hot start and arc force control
- Featuring professional-grade arc characteristics and full featured digital controls which enable fine-tuning of the arc performance to deliver superior welds
- Portability and flexibility to weld in a variety of locations. Unit weighs just under 29 lbs, (13 kg) connect to 120/230V primary power, and are compatible with 10 kVa generators



Specifications						
Primary Voltage	Supply Voltage Range	Open Circuit Voltage	Current Range	Max. Input Current	MIG (GMAW) Welding Voltage Range	Nominal OCV
115/230 VAC +/-15%, 1 ph, 50/60 Hz	97 – 132 VAC 195 – 265 VAC	<113 V (VRD active)	30 – 200 Amps	27.2 – 40 A	115V: 12V-20V 230V: 12V-24V	68 VDC
MIG (GMAW) Welding Output		Maximum Plate Thickness	Wire Feed Speed	Wire Spool Capacity		
115V: 90A/18.5V @40%, 57A/16.9V @100% 230V: 200A/24V @15%, 77A/17.9V @100%		9.5 mm (3/8 in.) @ 230V	2 – 11 m/min (80 – 450 ipm)	100 & 200 mm (4 & 8 in.), 1–5 kg (2–11 lbs)		
Wire Dimensions		Lead Cord	Protection Class	Certification Mark		
Mild Steel	0.6 – 0.8 mm (.024 – .030 in.)	14 A WG NEMA 5-20P, 10 ft (3 m) rubber	IP21S	CSA (Standards)		
Stainless Steel	0.6 – 0.8 mm (.024 – .030 in.)					
Aluminum	0.8 – 0.9 mm (.030 – .035 in.)	Dimensions L x W x H	Weight	Warranty		
Cored Wire	0.8 – 0.9 mm (.030 – .035 in.)					
		15 x 8.7 x 19.2 in (381 x 221 x 487 mm)	28.7 lbs (13 kg)	3 year		

Ordering Information	
EM 210 MIG 200A Weld System	0700501200

ESAB EM 210 welding packaging includes: Tweco® Fusion® 180 MIG gun with Velocity® consumables, Victor® Argon/CO<sub>2</sub> regulator, Tweco ground clamp with heavy duty 50 mm Dinse connection, 50A-15A (120/230V) power adapter, sample wire spool of ESAB OK AristoRod 12.50 mild steel wire (2#) and 0.024/0.030 and 0.030/0.035 drive rolls.

Options & Accessories	
Tweco Spool Gun 160 A, 12 ft (3.6 m) (required for AI MIG welding)	1027-1397
Tweco Fusion 180 MIG gun with Velocity consumables, 10 ft (3 m)	1017-1338
ESAB TIG Foot Control, 15 ft (4.6 m) cable and 8-pin connector	W4014450
TIG Torch 17 V and Accessories, 13 ft (4 m) 25/50 mm Dinse	W4013802
TIG Accessory Kit .040" & 1/16" (20-115A)	1442-0065
TIG Accessory Kit 3/32" & 1/8" (100-225A)	1442-0066
Victor Argon Flow Gauge Regulator GF-250-50-580	0781-9411
Gas Hose, 12.5 ft (3.8 m), Male 5/8-18UNF	W4013900
Power Adapter, 230 V to 120 V, 15 A (2 ft, N6-50R to N5-15P)	W4014000
Basic Utility Cart	1444-0900





# FABRICATOR® 141

Multi-Process Welding System



- Delivers 3-in-1 MIG, STICK, and TIG capability from one integrated, portable system
- Features digital meters, 4T trigger control and quick change polarity from the front of the power source
- Overload protection shuts down the power source to protect the internal electrical components from overheating
- Intelligent fan control operates when welding commences to cool components and reduce airborne contaminants pulled through the power source
- Infinite voltage control for precise voltage settings, inductance control for arc stability and spatter control, and adjustable burnback control
- Durable metal feed plate features 2-roll drive system, reversible drive rolls and easy-to-set single scaled wire tension knob
- Adjustable arc force control for optimum Stick (SMAW) electrode performance and built-in hot start for easy arc starting
- Lift TIG arc starts for easy arc initiation
- Spool-gun ready (Spool-gun sold separately)



Specifications						
Input Voltage	Current Range	Wire Feed Speed	Rated kVA	Supply Voltage Range	MIG Voltage Range	Open Circuit Voltage
120 VAC	10 – 140 A	90 – 390 ipm (2.3 – 9.9 m/min)	5 kVA @ 140 A	95 – 140 VAC	14.5 – 19 V	53 V
Welding Output				Wire Diameter		
MIG (GMAW) 140 A/19 V @ 15% Duty Cycle 90 A/18.5 V @ 20% Duty Cycle		TIG (GTAW) 140 A/15.6 V @ 15% Duty Cycle 100 A/14 V @ 20% Duty Cycle		Stick (SMAW) 90 A/23 V @ 15% Duty Cycle 80 A/23.2 V @ 35% Duty Cycle		
				Mild Steel	.023 – .030 in. (0.6 – 0.8 mm)	
				Stainless	.023 – .030 in. (0.6 – 0.8 mm)	
				Aluminum	.030 in. (0.8 mm)	
				Flux-Cored	.030 – .035 in. (0.8 – 0.9 mm)	
Maximum Output	Max Plate Thickness	Supply Plug	Lead Cord Length	Protection Class	Dimensions L x W x H	Weight
140 A	3/16 in. (4.8 mm)	NEMA 5-20P	10 ft. (3 m)	IP23S	16.2 x 8.3 x 17.7 in. (410 x 210 x 450 mm)	32.2 lbs. (14.6 kg)

### Ordering Information

Fabricator 141i Package	W1003141
Fabricator 141i Package with Cart	W1003142

Includes power supply, flowgauge regulator and 12.5 ft. (3.8 m) hose, electrode holder with 13 ft. (4 m) lead, bonus contact tips (1 each) .023 in. (0.6 mm), .030 in. (0.8 mm) installed, .035 in. (0.9 mm), drive rolls .023/.030 in. (0.6/0.8 mm) V-groove installed, .030/.035 in. (0.8/0.9 mm) for flux cored wire, Tweco Fusion 140A MIG Gun with 10 ft. (3 m) cable, 4 general purpose stick electrodes (E6013), power adapter 115V, 20A to 15A, ground clamp with 10 ft. (3 m) lead, shoulder strap, operator's manual and CD, 10 ft. (3m) power cord and NEMA 5-20P 115V AC plug.

### Options & Accessories

TIG Torch and Accessories (required for TIG welding)	W4013802
Tweco Spool Gun 160 A, 12 ft. (3.6 m) (required for Al MIG welding)	1027-1390
Ground Clamp and Lead Assembly, 10 ft. (3 m), 25 mm	W7003105
Electrode Holder and Lead Assembly, 13 ft. (4 m), 25 mm	W7003106
Dinse Adapter, 50 mm Female to 25 mm Male	W4017500
Victor GF250-50-580 Argon Flowgauge Regulator	0781-9411
Foot Control, 15 ft. (4.6 m) cable and 8-pin Male Plug	600285
Gas Hose, 12.5 ft. (3.8 m), Male 5/8-18UNF	W4013900
Power Adapter - 120 V, 20 A to 15 A	W4013300
Basic Utility Cart, max 7 in. (177.8 mm) diameter cylinder	W4014700
Drive Roll, V-Groove, .023/.030 in. (0.6/0.8 mm) (installed)	7977036
Drive Roll, Knurled V-Groove, .030/.035 in. (0.8/0.9 mm) (FCAW)	7977732

# ESAB EMP 210

ESAB Dual Voltage 200 Amp Multi-Process MIG/Stick/DC TIG Welding System



- ESAB EMP 210 is a Multi-Process MIG/Flux Cored/Stick/Lift TIG welding system with a 10 –200A output. Stable Lift TIG arc at low amperage for more control; power to run stick electrodes up to 5/32 in. Digital controls with large easy-to-read LED display enable fast, easy and more accurate operation
- Improve welding results with advanced functions typically found on industrial machines: MIG wire run-in, burn-back, variable inductance, 2T/4T trigger control, Lift TIG arc starts, gas pre and post-flow, Stick hot start and arc force control
- Featuring professional-grade arc characteristics and full featured digital controls which enable fine-tuning of the arc performance to deliver superior welds.
- Portability and flexibility to weld in a variety of locations. Unit weighs just under 29 lbs (13 kg) connects to 120/230V primary power, and is compatible with 10 kVA generators
- System is spool gun-ready for MIG aluminum with optional spool gun and optional remote foot control for Lift TIG welding. (Spool gun and remote foot control sold separately.)



Specifications						
Primary Voltage	Supply Voltage Range	Open Circuit Voltage	Current Range	Max. Input Current	MIG (GMAW) Welding Voltage Range	Nominal OCV
115/230 VAC +/-15%, 1 ph, 50/60 Hz	97 – 132 VAC 195 – 265 VAC	<113 V (VRD active)	10 – 200 Amps	20 – 40 A	115V: 12V-20V 230V: 12V-24V	68 VDC
MIG (GMAW) Welding Output		STICK (SMAW) Welding Output		Lift TIG (GTAW) Welding Output		
115V: 90A/18.5V @40%, 57A/16.9V @100% 230V: 200A/24V @15%, 77A/17.9V @100%		115V: 70A/22.8V @40%, 44A/21.8V @100% 230V: 170A/26.8V @20%, 66A/22.6V @100%		115V:90A/13.6V @40%, 57A/12.3V @100% 230V:200A/18V @15%, 77A/13.1V @100%		
Maximum Plate Thickness		Wire Feed Speed		Wire Spool Capacity		
9.5 mm (3/8 in.) @ 230V		2 – 11 m/min (80 – 450 ipm)		100 & 200 mm (4 & 8 in.), 1–5 kg (2–11 lbs)		
Wire Dimensions		Lead Cord		Protection Class		Certification Mark
Mild Steel	0.6 – 0.8 mm (.024 – .030 in.)	14 A WG NEMA 5-20P, 10 ft (3 m) rubber		IP21S		CSA (Standards)
Stainless Steel	0.6 – 0.8 mm (.024 – .030 in.)					
Aluminum	0.8 – 0.9 mm (.030 – .035 in.)	Dimensions L x W x H		Weight		Warranty
Cored Wire	0.8 – 0.9 mm (.030 – .035 in.)	15 x 8.7 x 19.2 in (381 x 221 x 487 mm)		28.7 lbs (13 kg)		3 year

### Ordering Information

EMP 210 MP 200A Weld System w/TIG	0700503200
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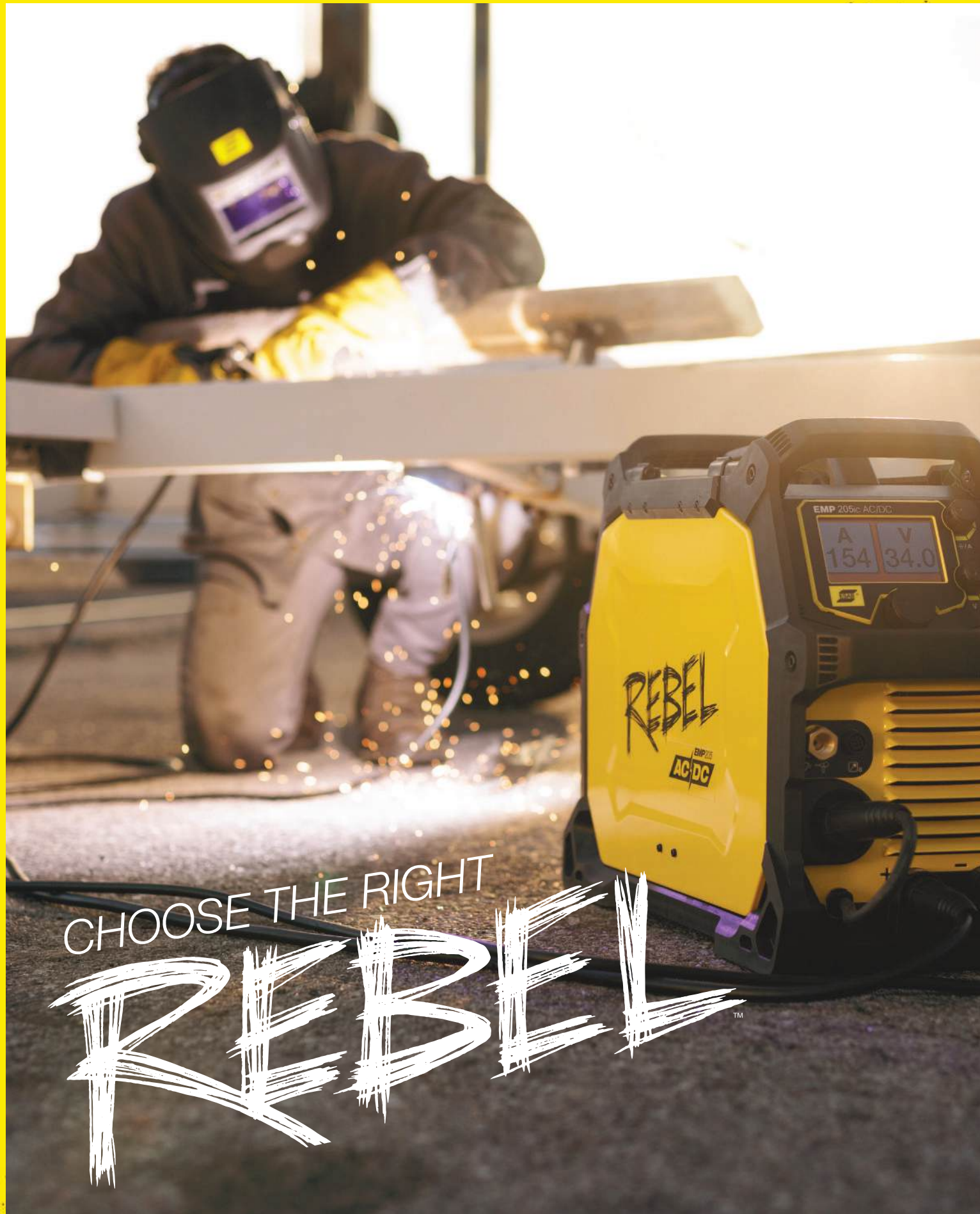
ESAB EMP 210 welding packaging includes: Tweco® Fusion® 180 MIG gun with Velocity® consumables, Victor® Argon/CO<sub>2</sub> regulator, Tweco ground clamp with heavy duty 50 mm Dinse connection, 50A-15A (120/230V) power adapter, sample wire spool of ESAB OK AristoRod 12.50 mild steel wire (2#) and 0.024/0.030 and 0.030/0.035 drive rolls, plus a Tweco 17V TIG torch and Tweco electrode holder.

### Options & Accessories

Tweco Spool Gun 160 A, 12 ft (3.6 m) (required for Al MIG welding)	1027-1397
Tweco Fusion 180 MIG gun with Velocity consumables, 10 ft (3 m)	1017-1338
ESAB TIG Foot Control, 15 ft (4.6 m) cable and 8-pin connector	W4014450
TIG Torch 17 V and Accessories, 13 ft (4 m) 25/50 mm Dinse	W4013802
TIG Accessory Kit .040" & 1/16" (20-115A)	1442-0065
TIG Accessory Kit 3/32" & 1/8" (100-225A)	1442-0066
Victor Argon Flow Gauge Regulator GF-250-50-580	0781-9411
Gas Hose, 12.5 ft (3.8 m), Male 5/8-18UNF	W4013900
Power Adapter, 230 V to 120 V, 15 A (2 ft, N6-50R to N5-15P)	W4014000
Basic Utility Cart	1444-0900

MULTI-PROCESS MACHINES

MULTI-PROCESS MACHINES



CHOOSE THE RIGHT  
**REBEL**



**Rebel 205ic  
AC/DC**

**Rebel 215ic**

**Rebel 235ic**

**Rebel 285ic**

<b>Wire Range</b>	Full range of .030 solid wire Solid wire: .023-.045 Fluxcored: .030-.045	Full range of .030 solid wire Solid wire: .023-.045 Fluxcored: .030-.045	Full range of .035 solid wire Solid wire: .023-.045 Fluxcored: .030-.052	Full range of .045 solid wire Solid wire: .023-.052 Fluxcored: .030-.060
<b>Rated Output (amps @ duty cycle)</b>	<b>MIG</b> 110A @ 100% 150A @ 40% 205A @ 25% <b>STICK</b> 100A @ 100% 125A @ 60% 170A @ 25% <b>AC/DC TIG</b> 110A @ 100% 125A @ 60% 205A @ 25%	110A @ 100% 150A @ 40% 205A @ 25%	160A @ 100% 200A @ 60% 235A @ 40%	<b>1PH UNIT</b> 160A @ 100% 220A @ 60% 285A @ 40% <b>3PH UNIT</b> 200A @ 100% 265A @ 60% 285A @ 50%
<b>Max Output</b>	<b>MIG/STICK AC/DC TIG</b> 235A 205A	235A	250A	<b>1 PH UNIT 3 PH UNIT</b> 300A 350A
<b>Input Rating</b>	110/230V (operating range 90/270V)	110/230V	110/230V	<b>1 PH UNIT 3 PH UNIT</b> 110/230V 460/575V
<b>MAX Plate Thickness</b>	24 ga., 3/8 in.	24 ga., 3/8 in.	24 ga., 1/2 in.	24 ga., 1/2 in.
<b>Spool Capable</b>	4 in., 8 in.	4 in., 8 in.	4 in., 8 in., 12 in.	4 in., 8 in., 12 in.
<b>Weight</b>	49 lbs	40 lbs	53 lbs	70 lbs
<b>Available Models and Processes</b>	<b>EMP 205ic AC/DC TRUE ALL-PROCESS</b> MIG Flux cored Stick DC TIG AC HF TIG	<b>EMP 215ic TRUE MULTI-PROCESS</b> MIG Flux cored Stick DC TIG	<b>EMP 235ic TRUE MULTI-PROCESS</b> MIG Flux cored Stick DC TIG	<b>EMP 285ic 1 PH / 3 PH TRUE MULTI-PROCESS</b> MIG Flux cored Stick DC TIG



# REBEL™ EMP 205ic AC/DC & EMP 215ic

## Portable, True All-Process Welding System

- True All-Process – excellent performance on MIG, Flux-Cored, Stick (including 6010 electrodes), DC TIG and AC TIG (EMP 205ic) industrial applications
- EMP 205ic AC/DC includes standard TIG features such as High Frequency starting, DC Pulse, AC Balance Adjustment, and AC Frequency Adjustment
- sMIG Technology - exclusive sMIG (“smart MIG”) feature continuously learns and adapts to the operator’s welding technique to provide a stable arc and superior, repeatable welds; increases productivity for the experienced welder, and reduces training time for novice welders
- Unique, five-handle roll cage industrial design and unibody steel construction in a lightweight, highly portable unit
- TFT Multilingual Display with 4 programmable memory locations for each process, trim adjustment, inductance control, pre/post flow control and spot weld setting
- Rebel Series models come ready-to-weld out of the box with Professional Grade TWECO accessories and Victor gas regulator



\*EMP 215ic is DC only | EMP 205ic is AC/DC



Ordering Information	
Rebel EMP 205ic AC/DC 10 ft. (3 m) System	0558102553
Rebel EMP 215ic Multi-Process MIG/TIG/Stick Package	0558102240

Rebel EMP 205ic AC/DC Package includes power supply, Tweco Fusion 180 Velocity MIG gun, electrode holder, Hellarc HW-17 TIG Torch outfit with accessory kit, foot control, .035 in. (0.9 mm) wire, Atom Arc 7018 electrodes. Victor argon flowmeter regulator, 12.5 ft. (3.8 m) hose, return clamp with leads, drive rolls and contact tips, and operator’s manual.

Rebel EMP 215ic Package includes power supply, Tweco Fusion 180A MIG gun, Victor argon flowgauge regulator and 12.5 ft. (3.8 m) hose, Tweco earth clamp with leads, drive rolls and contact tips, sample .030 in. (0.8 mm) wire, Tweco electrode holder and sample electrodes, 17V Style TIG torch, power adapter and operator’s manual.

Rebel EMP 205ic AC/DC Specifications							
Input Voltage	Input Current Draw	Current Range	Wire Feed Speed	Rated kVA	MIG Voltage Range		
120/230 VAC 1 ph +/- 10%, 50/60 Hz	30 A (27.6 A) @ 25% Duty Cycle	5 – 235 A	80 – 475 ipm (2.0 – 12.0 m/min)	4.98 kVA (> 7 kVA generator)	12 – 26 V		
Welding Output				AC TIG Functionality	DC Pulse		
MIG (GMAW) (230V) 205 A/24.3 V @ 25% Duty Cycle (230V) 150 A/21.5 V @ 40% Duty Cycle (230V) 125 A/20.3 V @ 60% Duty Cycle (230V) 110 A/19.5 V @ 100% Duty Cycle	TIG (GTAW) (230V) 205 A/18.2 V @ 25% Duty Cycle (230V) 125 A/15.0 V @ 60% Duty Cycle (230V) 110 A/14.4 V @ 100% Duty Cycle	Stick (SMAW) (230V) 170 A/27.2 V @ 25% Duty Cycle (230V) 125 A/25.0 V @ 60% Duty Cycle (230V) 100 A/24.0 V @ 100% Duty Cycle		Balance Range Frequency Range	1 – 99% 25 – 400 Hz	1 – 500 p/s	
Open Circuit Voltage	Power Factor @ Max Current	Efficiency @ Max Current	Max Plate Thickness	Lead Cord Length	Protection Class	Dimensions L x W x H	Weight
68 V	0.98	83%	3/8 in. (9.5 mm)	6 ft. (1.8 m)	IP23	23 x 9 x 16 in. (584 x 229 x 406 mm)	49 lbs. (22 kg)

Rebel EMP 215ic Specifications						
Input Voltage	Current Range	Supply Voltage Range	Wire Feed Speed	Rated kVA	MIG Voltage Range	Open Circuit Voltage
120 VAC, 208/230 VAC 1 ph, 50/60 Hz	5 – 150 A (120 V) 5 – 240 A (230 V)	90 – 270 VAC	80 – 475 ipm (2.0 – 12.0 m/min)	4.5 kVA (120 V) 7 kVA (230 V)	10 – 26 V	68 V
Welding Output				Wire Diameter		
MIG (GMAW) (120 V) 130 A/20.5 V @ 20% Duty Cycle (230 V) 205 A/24.3 V @ 25% Duty Cycle	TIG (GTAW) (120 V) 130 A/15.2 V @ 40% Duty Cycle (230 V) 180 A/17.2 V @ 30% Duty Cycle	Stick (SMAW) (120 V) 90 A/23.6 V @ 40% Duty Cycle (230 V) 180 A/27.2 V @ 25% Duty Cycle		Mild Steel Stainless Aluminum Flux-Cored	.023 – .035 in. (0.6 – 0.9 mm) .030 – .035 in. (0.8 – 0.9 mm) .030 – .045 in. (0.8 – 1.2 mm) .030 – .045 in. (0.8 – 1.2 mm)	
Maximum Output	Max Plate Thickness	Supply Plug	Protection Class	Dimensions L x W x H		Weight
235 A / 26 V	3/8 in. (9.5 mm)	230 V, NEMA 6-50P	IP23S	23 x 9 x 16 in. (584 x 229 x 406 mm)		40 lbs. (18.2 kg)

# REBEL™ EMP 235ic & EMP 285ic

## Industrial, Multi-Process Packages

- True Multi-Process – excellent performance on MIG, TIG and STICK
- Unmatched Portability – weighing in at 53 lbs. (24 kg) with dual voltage capability and 4 handle roll cage
- Power to Perform – have the confidence to run the full range of .035 in. (0.9 mm) wire – short arc and spray transfer
- Run solid wire up to .045 in. (1.2 mm) and cored wire up to .052 in. (1.4 mm), plus stick electrodes up to 5/32 in. (4.0 mm) and TIG rods up to 3/16 in. (5.0 mm)
- sMIG Technology – innovative “smart-MIG” feature that dynamically monitors the arc characteristics ultimately adapting to your technique resulting in a smooth, stable arc



Ordering Information	
Rebel EMP 235ic Multi-Process Package	0558012702
Rebel EMP 235ic Multi-Process Package with cart	0558012704
Rebel EMP 285ic 120 V – 230 V, 1 ph System	0558102554
Rebel EMP 285ic 460 V – 575 V, 3 ph System	0558102556
Rebel EMP 285ic 120 V – 230 V, 1 ph System with Cart	0558102555
Rebel EMP 285ic 460 V – 575 V, 3 ph System with Cart	0558102557

Rebel EMP 235ic Package includes power supply, Tweco Spray Master 250 MIG gun, Victor argon flowmeter regulator, 12.5 ft. (3.8 m) hose, return clamp with leads, drive rolls and contact tips, .035 in. (0.9 mm) wire, electrode holder and Atom Arc 7018 electrodes, power adapter, and operator’s manual. Cart packages include single cylinder cart.

Rebel EMP 285 Packages includes power supply, Tweco Spray Master Velocity V250 MIG gun, electrode holder, Atom Arc 7018 electrodes. Victor argon flowmeter regulator, 12.5 ft. (3.8 m) hose, return clamp with leads, drive rolls and contact tips, .035 in. (0.9 mm) wire and operator’s manual. Cart packages include single cylinder cart.

Rebel EMP 235ic Specifications							
Input Voltage	Current Range	Wire Feed Speed	Rated kVA	MIG Voltage Range	Open Circuit Voltage		
120 VAC, 208/230 VAC 1 ph, 50/60 Hz	5 – 150 A (120 V) 5 – 250 A (230 V)	60 – 700 ipm (1.5 – 18 m/min)	4.5 kVA (120 V) 7 kVA (230 V)	10 – 30 V	68 VDC		
Welding Output				Wire Diameter			
MIG (GMAW) (120 V) 120 A/19 V @ 40% Duty Cycle (230 V) 235 A/26 V @ 40% Duty Cycle	TIG (GTAW) (120 V) 130 A/15.2 V @ 40% Duty Cycle (230 V) 240 A/19.6 V @ 40% Duty Cycle	Stick (SMAW) (120 V) 90 A/23.6 V @ 40% Duty Cycle (230 V) 210 A/28.4 V @ 25% Duty Cycle		Mild Steel Stainless Aluminum/FCAW	.023 – .035 in. (0.6 – 0.9 mm) .030 – .035 in. (0.8 – 0.9 mm) .030 – .045 in. (0.8 – 1.2 mm)		
Maximum Output	Max Plate Thickness	Supply Plug	Lead Cord Length	Protection Class	Dimensions L x W x H		Weight

Rebel EMP 285ic Specifications							
Input Voltage	Current Range	Wire Feed Speed	Supply Voltage Range	MIG Voltage Range	Open Circuit Voltage		
120 – 240 VAC 1 ph, 50/60 Hz 460 – 575 VAC 3 ph, 50/60 Hz	5 – 300 A (1 ph) 5 – 350 A (3 ph)	60 – 800 ipm (1.5 – 20.3 m/min)	90 – 270 VAC	12 – 34 V	68 VDC		
Welding Output				Wire Diameter			
MIG (GMAW) 285 A/28 V @ 40% Duty Cycle (1 ph) 220 A/25 V @ 60% Duty Cycle (1 ph) 160 A/22 V @ 100% Duty Cycle (1 ph) 285 A/28 V @ 50% Duty Cycle (3 ph) 265 A/27 V @ 60% Duty Cycle (3 ph) 200 A/24 V @ 100% Duty Cycle (3 ph)	TIG (GTAW) 285 A/21 V @ 40% Duty Cycle (1 ph) 240 A/19 V @ 60% Duty Cycle (1 ph) 185 A/17 V @ 100% Duty Cycle (1 ph) 285 A/21 V @ 50% Duty Cycle (3 ph) 265 A/21 V @ 60% Duty Cycle (3 ph) 220 A/19 V @ 100% Duty Cycle (3 ph)	Stick (SMAW) 260 A/30 V @ 40% Duty Cycle (1 ph) 210 A/28 V @ 60% Duty Cycle (1 ph) 135 A/25 V @ 100% Duty Cycle (1 ph) 285 A/31 V @ 50% Duty Cycle (3 ph) 255 A/30 V @ 60% Duty Cycle (3 ph) 180 A/27 V @ 100% Duty Cycle (3 ph)		Mild Steel Stainless Aluminum Flux-Cored	.023 – .052 in. (0.6 – 1.3 mm) .030 – .052 in. (0.8 – 1.3 mm) .030 – 1/16 in. (0.8 – 1.6 mm) .030 – 1/16 in. (0.8 – 1.6 mm)		
Maximum Output	Max Plate Thickness	Supply Plug	Lead Cord Length	Protection Class	Dimensions L x W x H		Weight
300 A/34 V (1 ph) 350 A/34 V (3 ph)	1/2 in. (12.7 mm)	NEMA 6-50P (230 V), no plug for 3 ph unit	10 ft. (3 m)	IP23S	26.5 x 11.5 x 19.5 in. (673 x 292 x 495 mm)		70 lbs. (32 kg)

MULTI-PROCESS MACHINES

MULTI-PROCESS MACHINES



# REBEL™ SERIES ACCESSORIES

MULTI-PROCESS MACHINES

Options & Accessories		EMP 205ic AC/DC EMP 215ic	EMP 235ic	EMP 285ic
W4014603	TIG Torch 26 V & Accessories	■	■	■
W4013802	TIG Torch 17 V & Accessories, 13 ft (4 m) 25/50mm Dinse	■	■	■
0558102493	ESAB TXH 201 5/8 npt 12.5 ft (3.8 m) TIG Torch Outfit	■	■	■
10271397	Tweco Spool Gun 160 A, 12 ft (3.6 m)	■		
10271398	Tweco 200A 12 ft (3.6 m) Spool Gun		■	■
10271399	Tweco 200A 25 ft (7.6 m) Spool Gun		■	
WS200E13	Electrode Holder 200 A & Lead Assembly, 13 ft (4m), 50mm	■		■
91101131	Tweco T532 Electrode Holder		■	
91101132	Tweco T316 Electrode Holder			■
0781-9411	Victor Argon Flow Regulator GF-250-50-580	■		
0781-2743	Victor HRF 1400 Argon Flowmeter Regulator		■	■
W4013900	Gas Hose, 12.5 ft (3.8 m), Male 5/8-18UNF	■	■	
W4014450	Foot Control, 15 ft (4.6 m) cable & 8-pin Male Plug	■	■	■
W4014000	Power Adapter, 230 V to 120 V, 15 A	■	■	■
0558102325	Rebel Utility Cart, max 7 in. (177.8 mm) diameter cylinder	■		
W4015001	Single Cylinder Cart, max 9 in. (228.6 mm)	■		
0558102491	Rebel Single Cylinder Cart	■	■	■
10231277	Tweco Spray Master VELOCITY2 V250 15 ft (4.6 m)		■	■
10361756	Tweco Spray Master VELOCITY2 V350 15 ft (4.6 m)			■

List of optional accessories, some accessories sold separately.

# EVERYTHING YOU NEED IN A MACHINE.

# NOTHING YOU DON'T.



## WARRIOR™



Learn more at [esab.com/heavy-industrial-welding-fabrication](http://esab.com/heavy-industrial-welding-fabrication)



# WARRIOR™ 300i CC/CV

Multi-Process Inverter Power Source



- Leading MiCOR Inverter Technology enables use of longer primary cables, reduces power consumption by up to 25% and reduces weight and size while delivering exceptional welding performance in all processes
- Adjustable inductance control for arc stability and spatter control plus optimized selection modes for CO<sub>2</sub> and mixed gases for MIG welding
- Adjustable hot start control, adjustable arc force control and optimized selection modes for E6010 vertical-up, vertical-down and E7018 electrodes for optimum Stick welding
- Lift TIG start provides TIG arc starting without the use of high frequency
- Special arc gouging mode for optimum air carbon arc gouging
- Weighs less than 54 lbs. (24.5 kg), ideal for on-site and portable welding applications
- For use with UltraFeed 404HD, MobileFeed 201AVS or 301AVS wire feeders
- Suitable for use with other standard OEM wire feeders



Specifications					
Input Voltage	Current Range	Rated kVA	Supply Voltage Range	Input Current	Open Circuit Voltage
208-230/400/460 VAC 1/3 ph, 50/60 Hz	10 – 300 A (1 ph) 10 – 400 A (3 ph)	14.4 kVa @ 400 A	177-529 VAC	53.2 A (280 V/3 ph) 49.1 A (230 V/3ph) 28.6 A (460 V/3ph)	80 VDC
Welding Output					
MIG (GMAW) @ 104°F (40°C) 300 A/29 V @ 25% Duty Cycle, 1 ph 230 A/25.5 V @ 60% Duty Cycle, 1 ph 180 A/23 V @ 100% Duty Cycle, 1 ph 400 A/34 V @ 25% Duty Cycle, 3 ph 300 A/29 V @ 60% Duty Cycle, 3 ph 220 A/25 V @ 100% Duty Cycle, 3 ph		TIG (GTAW) @ 104°F (40°C) 300 A/22 V @ 25% Duty Cycle, 1 ph 230 A/19.2 V @ 60% Duty Cycle, 1 ph 180 A/17.2 V @ 100% Duty Cycle, 1 ph 400 A/26 V @ 25% Duty Cycle, 3 ph 300 A/22 V @ 60% Duty Cycle, 3 ph 220 A/18.8 V @ 100% Duty Cycle, 3 ph		Stick (SMAW) @ 104°F (40°C) 300 A/32 V @ 22% Duty Cycle, 1 ph 230 A/29.2 V @ 60% Duty Cycle, 1 ph 180 A/27.2 V @ 100% Duty Cycle, 1 ph 300 A/32 V @ 60% Duty Cycle, 3 ph 220 A/28.8 V @ 100% Duty Cycle, 3 ph	
Maximum Output	Protection Class	Dimensions L x W x H		Weight	
400 A	IP23S	17.7 x 8.3 x 16.5 in. (450 x 210 x 420 mm)		54 lbs. (24.5 kg)	

Ordering Information (not for sale in Canada)			
Warrior 300i Power Source	0558102558	Warrior 300i/Ultrafeed 4HD Wire Feeder MIG Package	0558102559

Warrior 300i Power Source includes 10 ft. (3 m) input lead, two male Dinse connectors 50 mm and operator's manual.  
 Warrior 300i MIG Package includes Ultrafeed 4HD wire feeder, interconnection and power cable, 15 ft. (4.6 m) Spray Master 450 MIG gun, ground clamp with 10 ft. (3 m) lead, Victor ESS3-FG-580 argon flowgauge regulator, 12.5 ft. (3.8 m) gas hose, industrial cart and everything included with the power source package (0558102558).

Options & Accessories			
Ultrafeed 4HD Wire Feeder	0558102560	Victor Flowgauge Regulator	0781-5120
Robust Feed Pro** Offshore (incl. gas flow meter+heater) Tweco	0445800885	Gas Hose	W4013900
MobileFeed 201AVS with Meters, Tweco Style	0558102206	Foot Control	W4013200
MobileFeed 201AVS with Meters remote, voltage Tweco Style	0558101911	TIG Torch Switch Control, 25 ft. 7.6 m, 14 Pin - On/Off	10-2001
Robust Feed AVS Tweco	0446700882	TIG Torch Switch Control, 25 ft. 7.6 m, 14 Pin - On/Off, Current Control, CK9	10-2002
Control Cable, 6 ft. (1.8 m)	374878-006	TIG Torch Switch Control, 25 ft. 7.6 m, 14 Pin - On/Off, Current Control, CK17	10-2003
Control Cable, 15 ft. (4.6 m)	374878-015	TIG Torch Switch Control, 25 ft. 7.6 m, 14 Pin - On/Off, Current Control, CK26	10-2004
Control Cable, 25 ft. (7.6 m)	374878-025	Dinse Connector	9425-1431
Control Cable, 50 ft. (15.2 m)	374878-050	Industrial Cart	W4010004
Control Cable, 100 ft. (30.4 m)	374878-100	Power Cable, 6 ft. (1.8 m), 50 mm Male - 50 mm Female	W4015850
TIG Torch Kit	10-4080	K3000 Arc Gouging Torch, 600A, 7 ft. (2.1 m), 80 psi	6106-5006
Tweco Electrode Holder	9110-1177	Dust Filter	W7006715
Tweco 300A Ground Clamp	W4009301		

\*\* When using a Robust Feed M-Connect Box - PN 0446750881

# WARRIOR™ 400i MV & 500i

Powerful, Multi-Process Welder



- Warrior™ is a reliable multi-process welding machine designed for heavy-duty productivity with up to 500 Amps delivered with superb arc characteristics
- Inverter Technology – outstanding arc performance and energy savings expected from an inverter along with increased energy efficiency and more power from a lighter, smaller, and more portable unit
- High-Duty Cycle – for long runs across a variety of applications
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments along with handles built into frame for crane lifting
- Easy-to-use – clear and intuitive user interface to get started quickly with glove-friendly knobs for quick and easy adjustments
- Warrior 400i MV provides auto sense from 208-460V 3ph
- Parallel Kit available for Warrior 500i for extreme manual gouging operations with Arcair® AirPro™ X4000 torch – contact ESAB for more information
- RTW packages include everything needed for a mobile welding package
- Basic Packages do not include connection cable set or cylinder cart – buy a package system and choose length of connection cable set you need (sets include control cable, welding cable, gas hose) and any accessories of your choice



Warrior 400i MV



Warrior 500i shown with RobustFeed Pro and trolley

Specifications	Warrior 400i MV	Warrior 500i
Input voltage	220/460 V, 3ph, 60Hz +/- 10%	460/575 V, 3ph, 60Hz +/- 10%
Permitted load at:	400/34 V @ 60% duty cycle 300A/30 V @ 100% duty cycle	500A/39 V @ 60% duty cycle 400A/34 V @ 100% duty cycle
Mains voltage primary current at:	220/460 V, 3ph, 44/22 A	460/575 V, 28/24 A
Settings range DC	GMAW FCAW SMAW GTAW	16-400 A/8-34 V 5-400 A/8-36 V
Open circuit voltage	56 V peak (without VRD activated) 28 V peak (with VRD activated)	84 V peak (without VRD activated) 28 V peak (with VRD activated)
Energy Saving mode (6.5min after welding)	50 W	40 W
Power factor at maximum current	0.95	0.87
Efficiency at maximum current	85%	90%
Control voltage	42 V, 50/60 Hz	42 V, 50/60 Hz
Operating temperature	14 – 104°F (-10 – 40°C)	14 – 104°F (-10 – 40°C)
Enclosure class	IP 23	IP 23
Application class	S	S
Dimensions, L x W x H, in. (mm)	28.1 x 12.8 x 18.5 in. (712 x 325 x 470 mm)	28.1 x 12.8 x 18.5 in. (712 x 325 x 470 mm)
Weight, lbs (kg)	115 lbs. (52 kg)	115 lbs. (52 kg)

Recommended Parameters for Manual Air Carbon Arc Gouging			
Electrode	Voltage Min	Voltage Max	Electrode Extension
1/4 in. (6.0 mm)	36 V	49 V	2-3 in. (50-76 mm)
5/16 in. (8.0 mm)	39 V	52 V	
3/8 in. (9.5 mm)	43 V	52 V	
1/2 in. (12.7 mm)	48 V (500i in parallel)	54 V (500i in parallel)	

MULTI-PROCESS MACHINES

MULTI-PROCESS MACHINES



# WARRIOR™ 400i MV & 500i ACCESSORIES

## Warrior 400i MV - Ordering Information

Warrior 400i MV CC/CV, 220-460 V, 3 ph, Power Source Only	0465885880	Robust Feed Pro Offshore (incl. gas flow meter + heater) Tweco*	0445800885
Warrior 400i MV WF 404HD 6.5 ft. (1.7 m), SM V350, RTW	0558102281	Warrior 400i MV CC/CV, 220-460 V, 3 ph with Robust Feed Pro and Spray Master 450*	0558102696*

\*Basic Package Includes: Power Source; 0445800885 Robust Feed Pro; 10401052 SPRAYMASTER 450 MIG Gun 15 ft 1/16; 0781-3634 ESS32-50CFH-580 EDGE 2.0 Regulator; 0349313450 Trolley -4 wheel, single cylinder

## Warrior 500i - Ordering Information

<b>USA</b>			
Warrior 500i 380/460/575 V, 3 ph, Power Source Only	0465350881	Warrior 500i CC/CV3 ph, 460 V pre-set Package with Spray Master 450	0561000189
Warrior 500i WF 404HD SM V350 15' Basic Package	0558102282	Warrior 500i MobileFeed 201AVS, SM V350 Gun Package	0558102391
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V350 Gun 15', RTW	0558102283		

## Canada

Warrior 500i 380/460/575 V, 3 ph, Power Source Only	0465350887	Warrior 500i CC/CV3 ph, 460 V pre-set Package with Spray Master 450	0558102697
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V350 Gun, RTW	0561000156	Warrior 500i WF 404HD SM V350 15' Basic Package*	0561000161

\*Basic Package Includes: Power Source; 0445800885 Robust Feed Pro; 10401052 SPRAYMASTER 450 MIG Gun 15 ft 1/16; 0781-3634 ESS32-50CFH-580 EDGE 2.0 Regulator; 0349313450 Trolley -4 wheel, single cylinder

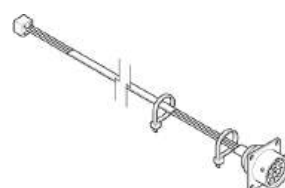


# WARRIOR™ 400i MV & 500i ACCESSORIES

## Options & Accessories

Robust Feed Pro Offshore (incl. gas flow meter+heater) Tweco	0445800885
Warrior Feed 404HD (Tweco Connection)	0558102235
Warrior YardFeed 200w Water-Cooled	0459906901
MobileFeed 201AVS w/meter (Euro Connection)	0558101910
MobileFeed 201AVS w/meter (Tweco Connection)	0558102194
Robust Feed AVS Tweco	0446700882
Robust Fed AVS Tweco (incl. gas flow meter)	0446700883
Tweco Spray Master V250 MIG Gun (Euro), up to .045 in. (1.2 mm), 15 ft. (4.6 m)	1023-1288
Tweco Spray Master V350 MIG Gun (Tweco), up to 1/16 in. (1.6 mm), 15 ft. (4.6 m)	1036-1756
Tweco Spray Master V450 MIG Gun (Euro), up to 1/16 in. (1.6 mm), 15 ft. (4.6 m)	1040-1850
Victor EDGE ESS3-40-580 Ar Single-Stage Regulator/Flowmeter	0781-5120
MiniBoom Counterbalance Device (Requires Bracket kit 0461310880)	0458705880
Stabilizer kit for Counterbalance Arm	0465509880
Remote Adapter Kit Miggytrac/Railtrac	0446056881
Remote Cable AN 8-12 Pole 16.4 ft. (5 m)	0459552880
Remote Cable AN 8-12 Pole 32.8 ft. (10 m)	0459552881
Remote Cable AN 8-12 Pole 49.2 ft. (15 m)	0459552882
Remote Cable AN 8-12 Pole 82 ft. (25 m)	0459552883
Remote control AT1	0459491896
Remote control AT1 CoarseFine	0459491897
Remote control M1	0459491895
Remote Outlet Kit for Power Source	0465424880
COOL 2 Water Cooler	0465427880
Female gas hose quick-connector	0365803002
Gas Meter (measures gas flow at the gun)	19043
Guide pin extension kit, feeder	0465508880
Trolley - 4-wheel, 1-cylinder	0465510880
Heavy-Duty Cart, 2-cylinder	0558102236
Swivel Post for Heavy-Duty Cart (Warrior Feed only)	34075
Bracket Kit for Heavy-Duty Cart (0558102236)	0558102310
Wheel kit, power source	0465416880

MULTI-PROCESS MACHINES



**Remote Outlet Kit\***  
Part Number: 0465424880



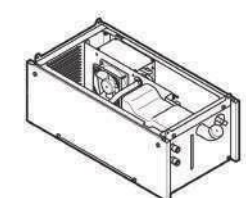
**Wheel Kit**  
Part Number: 0465427880



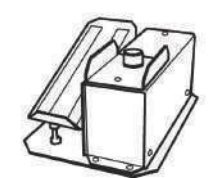
**Warrior Trolley**  
Part Number: 0465510880  
Use with Warrior Feed 304 only



**HD Trolley**  
Part Number: 0558102236  
(0558102310 WarriorBracket – order if Trolley purchased separately)  
(0349303362 Cable Holder Kit – order 2 for HD cart)



**Cooling Unit**  
Part Number: 0465427880



**Foot Control FS002**  
Part Number: 0349030886  
Requires Remote Outlet Kit

MULTI-PROCESS MACHINES



# WARRIOR™ 750i ARCAIR

Powerful, 850 Amp Multi-Process Welding Machine



- True multi-process package – enables gouging 1/2 in (12.8 mm) electrodes with outstanding performance
- High-Duty Cycle - For long runs across a variety of applications and delivers 820 amps @ 60% duty cycle and 750 amps @ 100%
- Inverter Technology – Warrior brings the outstanding arc performance and energy savings you expect from an inverter, along with increased energy efficiency and more power
- Durable and rugged – Suitable for outdoor and indoor use in rough environments. Warrior 750i paired with Robust Feed PRO, with its robust and weatherproof enclosed design provide the ideal solution whenever portability and durability are key
- Easy-to-use – Clear and intuitive user interface for everyone to get started quickly. Glove-friendly knobs make adjustments quick and easy
- Wide input voltage range to support regional requirements



### Specifications

Primary Voltage	Fuse Slow	Efficiency at Max Current	Power Factor Max Current	Energy Save Mode	Open Circuit Voltage	Mains Cable	
380 - 575 V ±10%, 3 ph, 50/60 Hz	70 A	91%	0.91	31 W	94 VDC	4 x 16 Ø mm2	
Welding Output							
Arc Gouging (CAC-A) 850 A / 44 V at 35% Duty Cycle 820 A / 44 V at 60% Duty Cycle 750 A / 44 V at 100% Duty Cycle	MIG/MAG (GMAW) 820 A / 44 V at 60% Duty Cycle 750 A / 44 V at 100% Duty Cycle	Stick (SMAW) 820 A / 44 V at 60% Duty Cycle 750 A / 44 V at 100% Duty Cycle	TIG (GTAW) 820 A / 34 V at 60% Duty Cycle 750 A / 34 V at 100% Duty Cycle				
Setting Range				Operating Temperature			
MIG/MAG (GMAW) 8-44 V	Stick (SMAW) 15 – 820 A	TIG (GTAW) 8 – 820 A	-4° to 131° F (-20° to +40° C)				
Enclosure Class	Application Class	Insulation Class	Certification Mark	Dimensions L x W x H	Weight		
IP23	S	H	CSA	33.5 x 16.4 x 25 in. (850 x 415 x 637 mm)	231.5 lbs. (105 kg)		

### Ordering Information

Warrior 750i Arcair, 380-575V, CSA	0445555881	Warrior 750i Arcair, 380-575V, CSA, Robust Feed Pro – BASIC PACKAGE*	0558102739
Interconnection Cables (includes strain relief)			
Interconnection Cables - 70mm², Air-Cooled, 6.5 ft (2.0 m)	0446160880	Interconnection Cables - 70mm², Air-Cooled, 16.5 ft (5.0 m)	0446160881
Interconnection Cables - 70mm², Air-Cooled, 49.2 ft (15.0 m)	0446160883	Interconnection Cables - 70mm², Air-Cooled, 82 ft (25.0 m)	0446160884

\*Basic package includes: Power Source 0445555881, Robust Feed Pro 0445800885, Tweco Spray Master V450 15' 1/16 10401833, Victor EDGE 2.0 ESS32-150-580 0781-3634, Warrior 750i Cart 0446398880

\*\*See Robust Feed Pro on Page 42 for 95 mm Interconnection Cables

### Options & Accessories

Cart 4-wheel Air-cooled	0446398880	Remote Cable AN 8-12 Pole 16.4 ft. (5 m) AT1/AT1 CF	0459552880
OKC Adapter Cable	0446507880	Remote Cable AN 8-12 Pole 32.8 ft. (10 m) AT1/AT1 CF	0459552881
Remote control AT1	0459491896	Remote Cable AN 8-12 Pole 49.2 ft. (15 m) AT1/AT1 CF	0459552882
Remote control AT1 CoarseFine	0459491897	Remote Cable AN 8-12 Pole 82 ft. (25 m) AT1/AT1 CF	0459552883
Foot Pedal FS002	0349090886		
Gouging Accessories		Wire Feeders	
Arcair K4000 Air Carbon-Arc Gouging Torch & Cable, Heavy Duty, (1000A, 80PSI /25CFM, 7FT)	61082008	Warrior Feed 404HD (Tweco Connection)	0558102235
Arcair AirPro X4000 Torch & Cable Assembly 7 ft. (2.1 m) - 360° Swivel	61084008	Robust Feed Pro Offshore (incl. gas flow meter+heater) Tweco	0445800885
MIG Guns			
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 12FT, Tweco)	1036-1613	Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 15FT, Tweco)	1040-1052
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 15FT, Tweco)	1036-1615	Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 25FT, Tweco)	1040-1058
Classic 5 Air Cooled MIG Gun (500A, 1/16, 15FT, Tweco)	1050-1113		

# WARRIOR™ 500i

Multiple Operator Systems - 4 & 6 Packs



- These rack systems feature a rugged design with heavy-duty frame and roof, easily lifted by crane or forklift
- Warrior 500i power sources are reliable, multi-process welding machines designed for heavy-duty productivity with up to 500 Amps delivered with superb arc characteristics
- Choose from 4 or 6-pack racks to get the power you need in one convenient package
- The Multiple Operator Rack Systems are also available for Warrior 300i and Warrior 400i MV machines as well as Aristo Mig 4004i Pulse and Aristo Mig 5000i and Renegade ES 300i machines - contact ESAB for further details
- Easy maintenance with less components
- Hardwired components
- Convenient and reliable circuit breakers, no fuses to replace
- Electrical panel is easy to assemble with high safety standards
- Racks can be ordered alone for existing compatible machines

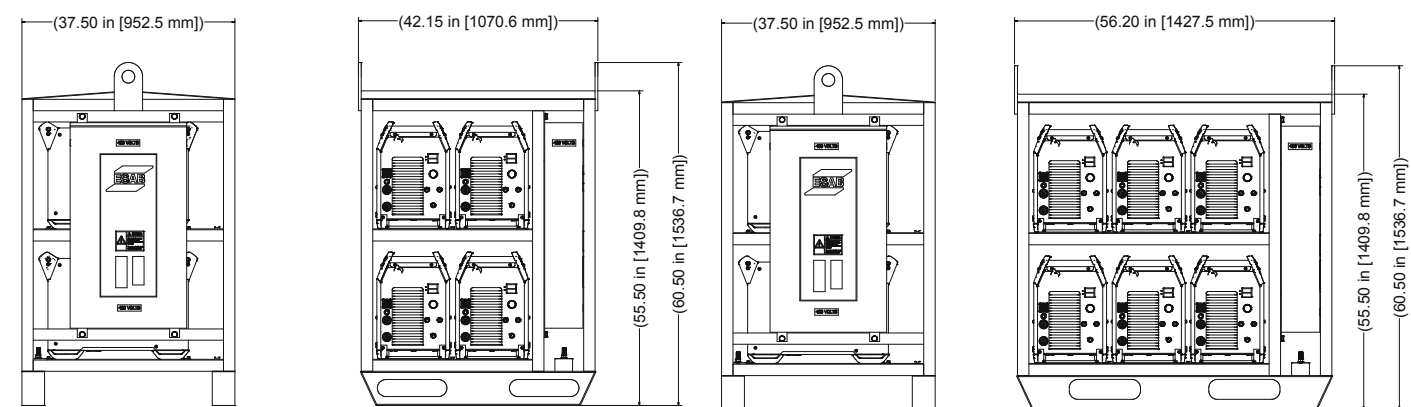


### Specifications

Dimensions L x W x H	Weight - 4 Pack Rack Warrior 500i	Weight - 6 Pack Rack Warrior 500i
42.2 x 37.5 x 60.5 in. (1071 x 953 x 1537 mm)	1000 lbs. (453.5 kg) with machines 530 lbs. (240.4 kg) without machines	1300 lbs. (589.7 kg) with machines 550 lbs. (249.5 kg) without machines

### Ordering Information

Warrior 500i Multiple Operator System Packages	
Warrior 500i cvcc 460V 4 Pack Rack	0588002034
Warrior 500i cvcc 460V 6 Pack Rack	0588002036
Warrior 500i cvcc 575V 4 Pack Rack	0588002234
Warrior 500i cvcc 575V 6 Pack Rack	0588002236
Rack Only	
4-Pack Rack	0588002232
6-Pack Rack	0588002233



MULTI-PROCESS MACHINES

MULTI-PROCESS MACHINES



# WARRIOR™ Edge 500 CX

Powerful Multi-Process Pulse Power Source



- Fit for purpose weld mode SPEED that provides a focused arc that allows the welder to better and easier handle the weld puddle at higher travel speeds thus increasing the productivity
- Featuring integrated WeldCloud connectivity, the wire feeder RobustFeed Edge offers increased productivity and improved quality management, with wire and gas consumption tracking
- Equipped with TrueFlow, ESAB's digital gas flow control system, RobustFeed Edge effectively manages consumable resources, both in starts and while welding, thus reducing overall shield gas consumption
- SpoolSafe-unique in the market IP54 protection against dirt/dust, keeping your wire dry and clean, protecting the integrity of your weld
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- A hybrid HMI solution with material selection and configurations on a TFT-screen inside the unit with a clear and easy to use external display for everyday operation makes unit easy to operate



reddot winner 2021

Specifications				
Input Voltage	Current Range	Standby Power	Efficiency/Power Factor @ MAX Current	Open Circuit Voltage
380 – 575 ±VAC 10% 3 ph, 50/60 Hz	16 A (14.8 V) – 500 A (39 V), MIG (GMAW) 5 A (10.2 V) – 500 A (30 V), TIG (GTAW) 16 A (20.6 V) – 500 A (40 V), Stick (SMAW)	43 W	88% / 0.93, MIG (GMAW) 89% / 0.91, Stick (SMAW)	54.8 VDC
Welding Output				Operating Temperature
MIG (GMAW) 500 A/39.0V @ 60% 400 A/34.0V @ 100%	TIG (GTAW) 500 A/30.0V @ 60% 400 A/26.0V @ 100%	Stick (SMAW) 500 A/40.0V @ 60% 400 A/36.0V @ 100%		0 to 131 °F (-20 to +55 °C)
Maximum Output	Protection Class	Dimensions L x W x H	Weight	
500 A	IP23	27.6 x 12.8 x 26.8 in. (700 x 325 x 680 mm)	187 lbs (85 kg)	

Ordering Information	
Warrior Edge 500 CX I (CSA,Air)	0448500883
Warrior Edge 500 CX II (Speed, CSA, Air)	0448500884
Warrior Edge 500 DX (Speed, Current Breaker, Water, CSA)	0446300889

Options & Accessories	
Coolant 10 L	0465720002
4-wheel Trolley	0349313450
4-wheel Feeder Trolley for > 12 in. (300 mm) Spools	0349313700
Guide Pin Extension Kit	0465508880
WheelKit, power source	0465416880
RobustFeed Wheel Kit *	0446081880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder Assembly RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Quick Connector Marathon Pac	F102440880
Analogue Remote, 33 ft (10 m)	0446870880
Analogue Remote, 50 ft (15 m)	0446870881
Analogue Remote, 82 ft (25 m)	0446870882

\* Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.



Torches	
Description	15 ft (5 m)
Exeor MIG 4.0G <sup>2</sup> , Gas-Cooled *	0700025754
Exeor MIG 4.0G <sup>2</sup> CX, Gas-Cooled, Up/down **	0700025757
Exeor MIG 4.0W <sup>2</sup> , Water-Cooled *	0700025729
Exeor MIG 4.0W <sup>2</sup> CX, Water-Cooled, Up/down **	0700025732

\* Torch with enhanced cooling performance.  
\*\* Torch with enhanced cooling performance. Includes Torch LED light and CX remote module for JOB selection / WFS / V.  
For more information on Exeor torches please see separate fact sheets.

Wire Feeders	
RobustFeed Edge BX, Water-cooled, Euro	0446600880
RobustFeed Edge CX, Water-cooled, Digital Gas Control, Heater, Euro	0446600881
RobustFeed Edge DX, Air-cooled, Digital Gas Control, Heater, Rear OKC, Tweco Connect	0446600885

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.

Interconnection Cables		
	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm <sup>2</sup> , 6.5 ft (2.0 m)	0446310880	0446310890
Interconnection Cables - 70mm <sup>2</sup> , 16 ft (5.0 m)	0446310881	0446310891
Interconnection Cables - 70mm <sup>2</sup> , 33 ft (10.0 m)	0446310882	0446310892
Interconnection Cables - 70mm <sup>2</sup> , 50 ft (15.0 m)	0446310883	0446310893
Interconnection Cables - 70mm <sup>2</sup> , 65 ft (20.0 m)	0446310884	0446310894
Interconnection Cables - 70mm <sup>2</sup> , 82 ft (25.0 m)	0446310885	0446310895
Interconnection Cables - 70mm <sup>2</sup> , 115 ft (35.0 m)	0446310886	0446310896
Interconnection Cables - 95mm <sup>2</sup> , 6.5 ft (2.0 m)	0446310980	0446310990
Interconnection Cables - 95mm <sup>2</sup> , 16 ft (5.0 m)	0446310981	0446310991
Interconnection Cables - 95mm <sup>2</sup> , 33 ft (10.0 m)	0446310982	0446310992
Interconnection Cables - 95mm <sup>2</sup> , 50 ft (15.0 m)	0446310983	0446310993
Interconnection Cables - 95mm <sup>2</sup> , 65 ft (20.0 m)	0446310984	0446310994
Interconnection Cables - 95mm <sup>2</sup> , 82 ft (25.0 m)	0446310985	0446310995
Interconnection Cables - 95mm <sup>2</sup> , 115 ft (35.0 m)	0446310986	0446310996

MULTI-PROCESS MACHINES

MULTI-PROCESS MACHINES





# ARISTO® 500ix

Powerful Multi-Process Welding Machines



- Advanced pulse functionality reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines (U82 Plus)
- QSet™ intelligent welding system
- Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments
- Compatible with Robust Feed U6 and Pulse, rugged and portable feeder units with excellent feeding performance
- MMA and gouging available from feeder



### Specifications

Mains Voltage	Open Circuit Voltage	Efficiency at Max Current	Power Factor Max Current	Operating Temperature	
380 – 575 V ±10%, 3 ph, 50/60 Hz	58 VDC	88%	0.91	-4° to 131° F (-20° to +40° C)	
Welding Output					
MIG/MAG (GMAW) 500 A / 39.0 V at 60% Duty Cycle 400 A / 34.0 V at 100% Duty Cycle	Stick (SMAW) 500 A / 40.0 V at 60% Duty Cycle 400 A / 36.0 V at 100% Duty Cycle	TIG (GTAW) 500 A / 30.0 V at 60% Duty Cycle 400 A / 26.0 V at 100% Duty Cycle			
Setting Range					
MIG/MAG (GMAW) 16 A / 14.8 V - 500 A / 39 V	Stick (SMAW) 16 A / 20.6 V - 500 A / 40 V	TIG (GTAW) 5 A / 10.2 V - 500 A / 30 V			
Enclosure Class	Application Class	Insulation Class	Certification Mark	Dimensions L x W x H	Weight

### Cool 2 Cooling Unit Specifications

Supply Voltage	Cooling Power	Coolant Volume	Max Flow	Max Pressure	Dimensions L x W x H	Weight
40 VAC	1 kW	1.2 gal (4.5 l)	0.48 gal/min (1.8 l/min)	66.7 PSI (4.6 bar)	27 x 13 x 9 in (680 x 330 x 230 mm)	33 lbs (15 kg) 43 lbs (19.5 kg) w/Coolant

### Ordering Information

Ordering Information	Power Source Only	Basic Packages*			
Aristo 500ix, 380 – 575V	0446200881	w/ Robust Feed U6 0558102716 w/ Robust Feed U6 water 0558102738			
Interconnection Cables (w/strain relief)	Air-Cooled	Water-Cooled	Wire Feeders (w/push-pull, gas flow meter + heater)	Air-Cooled	Water-Cooled
Interconnection – 70 mm 2 CAN, 6 ft (2 m)	0446255880	0446255890	Robust Feed Pulse Air-cooled Tweco 4	0445800893	-
Interconnection – 70 mm 2 CAN, 16 ft (5 m)	0446255881	0446255891	Robust Feed U6 Air-cooled Tweco 4	0445800890	-
Interconnection – 70 mm 2 CAN 50 ft (15 m)	0446255883	0446255893	Robust Feed U6 Water-cooled Euro	-	0445800895
Interconnection – 70 mm 2 CAN, 82 ft (25 m)	0446255885	0446255895	Robust Feed U82 (incl. U82 Plus, ELP, gas flow meter, heater, push-pull) Water-cooled Euro*	-	0445800900

### Options & Accessories

Aristo U82 Plus complete w/ Holder	0460820881	Remote control cable 12 pole - 8 pole 16 ft (5 m)	0459552880	Torch Strain Relief	0446082880
COOL 2 Cooling Unit	0465427880	Remote control cable 12 pole - 8 pole 32 ft (10 m)	0459552881	Trolley (Robust Feed/Warrior Feed)	0349313450
Coolant 3 gal (10 l)	0007810012	Remote control cable 12 pole - 8 pole 49 ft (15 m)	0459552882	Tweco 4 MIG Gun Connection Kit (included with Robust Feed)	0446120882
Wheel Kit, power source	0465416880	Remote control cable 12 pole - 8 pole 82 ft (25 m)	0459552883	Tweco 5 MIG Gun Connection Kit	0446120884
Remote control MTA1 CAN	0459491880	Remote outlet kit	0465424880	Guide Pin Extension Kit **	0465508880
Remote control unit AT1	0459491896	Stabilizer kit Warrior for Counterbalance Arm	0465509880	Liquid Cooling Kit (to upgrade air cooled)	0446123880
Remote control AT1 Coarse Fine	0459491897	Counterbalance Arm +	0458705880	Quick Connector Marathon Pac	F102440880
Remote control adapter RA 23	0459491911	Robust Feed Wheel Kit	0446081880		

\*Basic Package Includes: Power Source with ground lead and clamp; Robust Feed™; 10401833 Tweco® Spray Master V450 MIG Gun 15 ft 1/16; 0781-3641 – Victor® ESS32-50CFH-580 EDGE 2.0 Flow Gauge Regulator; 0349313450 Cart - 4 wheel, single cylinder; Water cooled Basic Package includes: 0465427880 - Cool 2 unit and Spray Master® MIG Gun is substituted with 10441179 - FUSION PRO 450 W/C 15 ft, Euro.  
NOTE: Power Sources, Basic Packages and Ready to Weld Combinations require the customer to supply input power cables. Suggested cable is 4C 8Awg input cable. For Aristo Feed, not Robust Feed. Requires Cart and Stabilizer kit.  
\*\* Extension Kit required when Wire Feeder Wheel Kit is used in combination with Cart.  
+ Counterbalance device only works with the Aristo Feed 3004, not with Robust Feed.

MULTI-PROCESS MACHINES

PROCESS LINES



# ARISTO® MIG 5000i/U5000i

Advanced Synergic Multi-Process Welder



- The multi-process Aristo® Mig 5000i power source provides substantially improved arc welding performance and higher productivity for robotic and semi-automatic applications
- Designed to integrate with ESAB's industry-leading WeldCloud™ online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication
- Proven, robust, heavy-duty industrial system that holds up in the most demanding welding environments
- Modular design allows connection of U6 or U8<sub>2</sub> Plus via mount to feeder or to power source – great for when feeder is boom mounted and hard to reach for normal operation
- U5000i model available for adding process capabilities such as DC TIG and DC Pulse TIG with ESAB TXH torches
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)
- Contact ESAB for Robotic Welding Automation to see how the Aristo Mig 5000i model and U8<sub>2</sub> Plus Pendant can be integrated for robotic welding systems



## ARISTO® MIG 5000i/ U5000i ACCESSORIES

### Options & Accessories

Robust Feed U6 (incl. push-pull, gas flow meter, heater, MMA Outlet) Tweco	0445800890
Robust Feed U6 (incl. push-pull, ELP, gasflow meter, heater, MMA outlet) Water-cooled Euro*	0445800895
Robust Feed U82 (incl. U82 Plus, ELP, gas flow meter, heater, push-pull) Water Cooled Tweco	0445800896
Robust Feed U82 (incl. U82 Plus, ELP, gas flow meter, heater, push-pull) Water-cooled Euro*	0445800900
Aristo YardFeed 200w, U6 Encl. 10 pole, water-cooled	0459906896
Aristo U8 <sub>2</sub> Plus	0460820881
Aristo U8 <sub>2</sub> Plus control cable extension, 24.6 ft. (7.5 m)	0460877891
Strain relief for welding gun	0457341881
Quick connector for Marathon Pac	899F50
Inlet guide for Marathon Pac (use with 899F50)	0558002354
Remote control MTA1 CAN	0459491880
Remote interconnection cable, 16.4 ft. (5 m)	0459960880
Remote adapter kit for Miggytrac/Railtrac	0459681880
COOL 2 Cooling Unit	0465427880
Trolley 4-wheel - standard	0462151880
Trolley 4-wheel - standard, bracket (without COOL 1)	0463125880
Trolley 2-wheel	0460564880
Trolley 4-wheel - for MiniBoom	0460565880
Bracket kit to assemble power source to 2/4-wheel trolley	0461310880
Trolley 4-wheel stabilizer kit for counterbalance device	0460946880
MiniBoom counterbalance device	0458705880
Multi Voltage unit, Wide body (208-575V, 3-ph transformer)	0459145880
Heavy-Duty Dual Cylinder Cart (cannot be used with U5000iw + multi-voltage unit)	0558102236
Guide pin (if no trolley) (Robust Feed Units Only)	0458731880
Remote control MTA1 CAN	0459491880
Remote control AT1 CAN	0459491883
Remote control AT1 CourseFine CAN	0459491884
Work Cable GC-500 15 ft. (4.5 m) 4/0	0558102318
Foot pedal T1 Foot CAN, incl. 16.4 ft. (5 m) cable with 10 pole plug, for connection to the feeder with U6 panel	0460315881
Foot pedal T1 Foot CAN, incl. 16.4 ft. (5 m) cable with 12 pole plug, for connection to the feeder for U8 <sub>2</sub> Plus	0460315880
Trolley 2 for counter balance device and/or 2 gas bottles	0458603880
MMC kit for MMC panel mounted in the power source	0459579880
Water Flow guard complete	0456855880

Specifications						
Input Voltage	Current Range DC	Rated kVA	Fuse Slow	Efficiency @ Max Current	Power Factor @ Max Current	
3 x 460 V, 3 ph, 50/60 Hz 3 x 208/230/400/460/575 V, 3 ph, 50/60 Hz	MIG (GMAW/FCAW) Stick (SMAW) TIG (GTAW)	16 – 500 A, 8 – 60 V 16 – 500 A 4 – 500 A	25.2 kVA	32 A	87%	91%
Welding Output	Control Voltage	Open Circuit Voltage	Operating Temperature	Energy Saving Mode		
500 A/40V at 100 % Duty Cycle 400 A/36 V at 60% Duty Cycle	42 V	MIG (GMAW) Stick (SMAW)	72 – 88 V (59 V VRD) 68 – 80 V (< 35 V VRD)	14 to 104 °F (-10 to 40 °C)	50 W	
Mains Cable	Protection Class	Dimensions L x W x H	Weight			
4x8 AWG (4x6 mm <sup>2</sup> )	IP23	24 x 10 x 17.5 in. (610 x 250 x 445 mm) 24.6 x 15.5 x 30.6 in. (625 x 394 x 776 mm) w/cooling unit 24.4 x 15.3 x 10.5 in. (621 x 389 x 266 mm) multi-voltage unit	159 lbs. (72 kg) 203 lbs. (92.1 kg) w/cooling unit 165.4 lbs. (75 kg) multi-voltage unit			

Ordering Information			
Aristo MIG 5000i DC CVCC 460V with WeldCloud	0445400884	Aristo MIG U5000iw DC 460V with WeldCloud	0445400886

For more information on WeldCloud online weld management platform, see WeldCloud fact sheet or visit [esab.com](http://esab.com).  
 Power source includes: 16.4 ft. (5 m) mains cable. U5000iw include built-in water cooler.  
 RTW (Ready To Weld) Stationary Packages: power source, wire feeder, .035/.045 in. (0.9/1.2 mm) V groove feedrolls, V450 15ft. (4.5 m) MIG gun, 5.5 ft. (1.7 m) connection set (gas hose, control cable, welding current cable), 15 ft. (4.5 m) work cable and clamp, regulator/flowmeter.  
 RTW MIG Racer Packages include: the above plus HD 2-Cylinder Cart.

MULTI-PROCESS  
MACHINES

MULTI-PROCESS  
MACHINES



# ARISTO® MIG 5000i/U5000i ACCESSORIES

# MOBILEFEED 201AVS

Versatile Voltage-Sensing Wire Feeder for use with any CV or CC Welding Power Supply



- Portable, durable wire feeder, available with Tweco connect, built for the toughest welding conditions, with rugged case to stand up to demanding work environments and optimal protection for internal components
- Quick-change, four-roll drive reduces downtime and provides consistent feeding results; rolls are easily changed from one wire size to another without the need for tools
- Digital meters for both Voltage and WFS ensure more arc time, are labor-saving and beneficial for critical welds using specific welding procedures
- Rugged case withstands the harshest environments, keeping downtime for repairs to a minimum
- Robustly designed rubber-mounted internals prevents damage caused by drops and impacts
- Remote control option, available when used with the Warrior™ power supply, allows voltage to be adjusted away from the power supply, reducing setup time and enabling long welds in difficult-to-reach areas

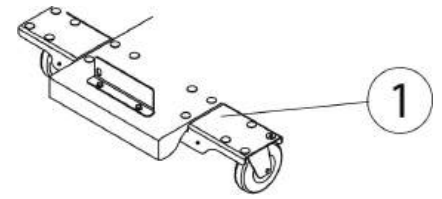


Specifications					
Welding Output	Wire Feed Speed	Wire Diameter	Max Spool Diameter	Dimensions L x W x H	Weight
450A @ 60% duty cycle 400A @ 100% duty cycle	50 – 750 ipm (1.3 – 19.0 m/min)	.045 – 1/16 in. (1.2 – 1.6 mm) Knurled drive rolls as delivered  Range 201AVS: .023 – 1/16 in. (0.6 – 1.6 mm)	201AVS: 8 in. (200 mm)	201AVS: 18.5 x 14.5 x 7.375 in. (470 x 369 x 187 mm)	201AVS: 28 lbs. (13 kg) without spool

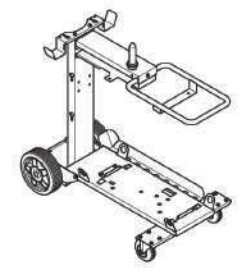
Ordering Information	
MobileFeed 201AVS w/Meters-Rem V TWECO	0558101911
MobileFeed 201AVS w/o Meters TWECO	0558102194



**COOL 2 Cooling Unit**  
Part Number: 0465427880



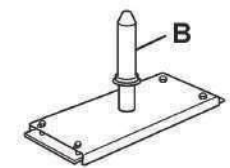
**Stabilizer Kit for Counter Balance Device**  
Part Number: 0460946880, For use with Trolley 9.



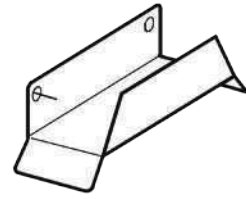
**Trolley 4-wheel**  
Part Number: 0460565880, For use with WeldCloud COOL 1..



**Multi Voltage Unit, Wide Body**  
Part Number: 0459145880



**Guide Pin (if no Trolley used) For use with Feed 3004 only**  
Part Number: 0458731880



**Cable Holder Kit**  
Part Number: 0349302303

**Insulating Bushing (b), included in guide Pin**  
Part Number: 0278300401



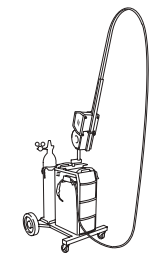
**Trolley 1**  
Part Number: 0458530880



**HD Trolley 2 Cylinders**  
Part Number: 0558102236



**Aristo W82**  
Contact ESAB for more information for information on Robotic welding WeldCloud.



**Trolley 2**  
Part Number: 0458603880  
For MiniBoom and/or 2 gas bottles.

MULTI-PROCESS MACHINES

WIRE FEEDERS



# WARRIOR™ YARDFEED 200

Highly Portable Wire Feeder



- Pre-settable wire feed speed and small footprint to conveniently fit through manholes and portals with the flexibility to weld in hard-to-reach areas
- Sturdy design features a high-strength steel casing and steel frame to protect controls and connectors
- Easy handling in cramped spaces
- 4-wheel feeder mechanism with encoder feedback for superior wire feeding
- Sun friendly digital V/A and wire feed speed displays
- Variant with water connectors for water-cooled torches available



Specifications					
Input Voltage	Welding Output	Wire Feed Speed	Operating Temperature	Wire Diameter	
42 VAC, 1 ph, 50/60 Hz	365 A @ 60% Duty Cycle	75 – 985 ipm (1.9 – 25 m/min)	14 – 104°F (-10 – 40°C)	Mild Steel	.023 – .045 in. (0.6 – 1.2 mm)
<b>Protection Class</b> IP23S	<b>Dimensions L x W x H</b> 23.4 x 8.5 x 12.8 in. (595 x 215 x 325 mm)	<b>Weight</b> 48 lbs. (21.5 kg)		Stainless Steel	.023 – .045 in. (0.6 – 1.2 mm)
				Flux Cored	.030 – 1/16 in. (0.8 – 1.6 mm)
				Aluminum	.040 – .045 in. (1.0 – 1.2 mm)

Ordering Information	
Warrior YardFeed 200, air-cooled	0459906900
Warrior YardFeed 200, water-cooled	0459906901

# ULTRAFEED 404HD

Heavy Duty 4-Roll Wire Feeder



- Use with Warrior™ 300i power supply
- Advanced adjustable features for optimum welding performance; preflow, run in, ramp time, postflow, burnback, crater control, spot and stitch
- Heavy-duty 4-roll drive system for superior wire feeding
- Digital meters for voltage, amperage, wire feed speed; preview and hold capability
- Trigger and spot control: 4T (latch) eliminates operator fatigue, spot welding capability
- Weld schedules allow operator to store two optimized welding parameters then digitally recall them with perfect repeatability
- Inch and purge buttons for advancing wire or purging shielding gas
- Circuit breaker protection - no fuses required
- Indicator lights to identify power and faults; plus control settings over amps and wire feed speed for ipm or mpm



Specifications					
Input Voltage	Welding Output	Wire Feed Speed	Max Spool Diameter	Wire Diameter	
42/115 VAC, 1 ph, 50/60 Hz	550 A @ 60% Duty Cycle 450 A @ 100% Duty Cycle	50 - 660 ipm (1.35 - 16.75 m/min)	8 in. and 12 in. (200 mm and 300 mm)	Mild Steel	.035 – 1/16 in. (0.9 – 1.6 mm)
<b>Dimensions L x W x H</b> 10.0 x 18.1 x 29.7 in. (255 x 460 x 755 mm)	<b>Weight</b> 48 lbs. (21.5 kg)			Flux Cored	.030 – 1/8 in. (0.8 – 3.2 mm)
				Stainless Steel	.035 – 1/16 in. (0.9 – 1.6 mm)
				Aluminum	.035 – 3/32 in. (1.0 – 2.4 mm)

Ordering Information (not for sale in Canada)	
Ultrafeed 404HD	W3400003

WIRE FEEDERS

WIRE FEEDERS



# ROBUSTFEED AVS

Versatile Voltage-Sensing Wire Feeder for use with any CV or CC Welding Power Supply



- Quick-change, four-roll drive reduces downtime and provides consistent feeding results. Rolls are easily changed from one wire size to another without the need for tools
- Digital meters for Voltage and WFS ensure more arc time, are labor-saving and beneficial for critical welds using specific welding procedures
- Durable, drop-proof housing that withstands demanding applications
- Weatherproof, enclosed design that withstands rain from all directions ensures the filler metal is kept dry
- Full use of the Robust Feed family accessories such as wheel kit and strain reliefs make this feeder



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Wheel Kit works with feeder horizontal or vertical



Internal LED lights and integrated storage for wear parts in lid

### Specifications

Input Voltage, Max.	Wire Feed Speed	Max Spool Diameter	Wire Dimensions	Welding Output
14 - 100 VDC	1.3 – 25.0 m/min (51 – 984 ipm)	12 in. (300 mm)	Mild Steel .023 – 5/64 in. (0.6 – 2.0 mm) Stainless Steel .023 – 1/16 in. (0.6 – 1.6 mm) Cored Wire .035 – 3/32 in. (0.9 – 2.4 mm) Aluminum .035 – 1/16 in. (0.9 – 1.6 mm)	500 A @ 40% 450 A @ 60% 350 A @100%
Dimensions L x W x H incl. top handle		Weight		
23.4 x 9.8 x 16.9 in. (595 x 250 x 430 mm)		40.5 lbs. (18.37 kg)		
Operating Temperature		Wire Spool Capacity	Certification Mark (Standards)	Protection Class
-20° to +55°C (-4 to 131 °F)		44 lbs. (19.9 kg)	CE, CSA, RCM, CCC, EAC, IEC	IP44

### Ordering Information

Robust Feed AVS Tweco	0446700882	Robust Feed AVS Tweco (incl. gas flow meter)	0446700883
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### Options & Accessories

Robust Feed Wheel Kit	0446081880	Quick Connector Marathon Pac™	F102440880
Torch Strain Relief	0446082880	OKC 50 female cable connector, 1/0-4/0 cable (50 mm²) EU	0160361881
Trolley (Robust Feed/Warrior Feed)	0349313450	OKC 50 male cable connector, 1/0-4/0 cable (50 mm²) EU	0160360881
Trolley Retrofit Kit Robust Feed †	0349313100	2-MPC Tweco female cable connector, 1/0-3/0	94251220
Guide Pin Extension Kit **	0465508880	2-MPC Tweco male cable connector, 1/0-3/0	94251210
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880		
<b>Air-Cooled Torches</b>			
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 12 ft, Tweco)	1036-1613	Flux Cored SEFC 350Amps 15ft Self Shielded	30938SP
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 15 ft, Tweco)	1036-1615	Flux Cored SEFC 450Amps 15ft Self Shielded	44070SP
Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 15 ft, Tweco)	1040-1052	Classic 5 Air Cooled MIG Gun (500A, 1/16, 15 ft, Tweco)	1050-1113
Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 25 ft, Tweco)	1040-1058		

† To fit Robust Feed on previous Warrior Trolley 0465510880  
\*\* Extension Kit required when Wheel Kit is used in combination with Trolley.

# ROBUSTFEED PRO

Ultimate Robustness and Portability



- Durable, drop-proof housing that withstands demanding applications
- Great portability with ergonomic handles, 5 lifting points and safe for crane lifting handles
- Weatherproof, enclosed design that withstands rain from all directions and inside heater ensures the filler metal is kept dry
- Large sun-friendly display and clear controls make set up efficient and easy when wearing gloves
- Protected cable connectors and sturdy strain relief for interconnection cable reduces maintenance
- Works as great in the field as in workshops, on a trolley, with or without



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### Specifications

Input Voltage	Wire Feed Speed	Max Spool Diameter	Wire Dimensions	Welding Output
42 VAC	0.8 – 25.0 m/min (30 – 985 ipm)	12 in. (300 mm)	Mild Steel .023 – 5/64 in. (0.6 – 2.0 mm) Stainless Steel .023 – 1/16 in. (0.6 – 1.6 mm) Cored Wire .035 – 3/32 in. (0.9 – 2.4 mm) Aluminum .035 – 1/16 in. (0.9 – 1.6 mm)	550 A @ 50% 500 A @ 60% 400 A @ 100%
Dimensions L x W x H incl. top handle		Weight		
23.4 in. x 9.8 in. x 16.9 in. (595 x 250 x 430 mm)		37 lbs. (16.8 kg)		
Wire Spool Capacity			Certification Mark (Standards)	Protection Class
45 lbs. (20.4 kg)			CE, CSA	IP44

### Ordering Information

Robust Feed Pro Offshore (incl. gas flow meter+heater) Tweco	0445800885
Robustfeed Pro Offshore (incl. gas flowmeter & heater) Euro	0445800883

### Options & Accessories

Robust Feed Wheel Kit	0446081880	Tweco 5 MIG Gun Connection Kit	0446120884
Torch Strain Relief	0446082880	Guide Pin Extension Kit **	0465508880
Trolley (Robust Feed/Warrior Feed)	0349313450	Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Trolley Retrofit Kit Robust Feed *	0349313100	Quick Connector Marathon Pac™	F102440880
Euro MIG Gun Connection Kit	0446120880	Robust Feed Pro M Connect †	0446750881
<b>Air-Cooled Torches</b>			
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 12 ft, Tweco)	1036-1613	Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 25 ft, Tweco)	1040-1058
Spray Master 350 Air Cooled MIG Gun (350A, 1/16, 15 ft, Tweco)	1036-1615	Classic 5 Air Cooled MIG Gun (500A, 1/16, 15 ft, Tweco)	1050-1113
Spray Master 450 Air Cooled MIG Gun (450A, 1/16, 15 ft, Tweco)	1040-1052		
<b>Interconnection Cables</b>			
Interconnection Strain Relief Kit **	0446050880	Interconnection Cables – 70 mm², Air-Cooled, 20.0 m (65.6 ft), +ISF	0446160887
Interconnection Cables – 70 mm², Air-Cooled, 2.0 m (6.5 ft) **	0459836880	Interconnection Cables – 70 mm², Air-Cooled, 25.0 m (82 ft), +ISF	0446160884
Interconnection Cables – 70 mm², Air-Cooled, 5 m (16.5 ft) **	0459836881	Interconnection Cables – 70 mm², Air-Cooled, 35.0 m (115 ft), +ISF	0446160885
Interconnection Cables – 70 mm², Air-Cooled, 10.0 m (32.8 ft) **	0459836882	Interconnection Cables – 95 mm², Air-Cooled, 2.0 m (6.5 ft), +ISF	0446160980
Interconnection Cables – 70 mm², Air-Cooled, 15.0 m (49.2 ft) **	0459836883	Interconnection Cables – 95 mm², Air-Cooled, 5.0 m (16.5 ft), +ISF	0446160981
Interconnection Cables – 70 mm², Air-Cooled, 25.0 m (82 ft) **	0459836884	Interconnection Cables – 95 mm², Air-Cooled, 10.0 m (32.8 ft), +ISF	0446160982
Interconnection Cables – 70 mm², Air-Cooled, 2.0 m (6.5 ft), +ISF	0446160880	Interconnection Cables – 95 mm², Air-Cooled, 15.0 m (49.2 ft), +ISF	0446160983
Interconnection Cables – 70 mm², Air-Cooled, 5.0 m (16.5 ft), +ISF	0446160881	Interconnection Cables – 95 mm², Air-Cooled, 25.0 m (82 ft), +ISF	0446160984
Interconnection Cables – 70 mm², Air-Cooled, 10.0 m (32.8 ft), +ISF	0446160882	Interconnection Cables – 95 mm², Air-Cooled, 35.0 m (115 ft), +ISF	0446160985
Interconnection Cables – 70 mm², Air-Cooled, 15.0 m (49.2 ft), +ISF	0446160883		

\* To fit Robust Feed on previous Warrior Trolley 0465510880  
† To connect the Robust Feed Pro to Miller™ power sources.  
\*\* To upgrade existing Warrior interconnection cable sets to fit with Robust Feed +ISF (includes strain relief)  
For full compatibility list please contact your local ESAB representative.

WIRE FEEDERS

WIRE FEEDERS



# ROBUSTFEED U6/U82

Ultimate Robustness and Portability



- Fully portable feeder offering the benefits of pulse – reducing weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- Durable, drop-proof housing that withstands demanding applications
- Great portability with ergonomic handles, 5 lifting points and safe for crane lifting handles
- Weatherproof, enclosed design that withstands rain from all directions and inside heater ensures the filler metal is kept dry IP44 Rating
- Protected cable connectors and sturdy strain relief for interconnection cable reduces maintenance band setup time
- Works great in the field as well as in workshops, on a cart, with or without wheel

Robust Feed Pulse      Robust Feed U6      Robust Feed U82



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Specifications					
Input Voltage, Max.	Wire Feed Speed	Max Spool Diameter	Wire Dimensions		Welding Output
42 VAC	0.8 – 25.0 m/min (30 – 985 ipm)	12 in. (300 mm)	Mild Steel	.023 – 5/64 in. (0.6 – 2.0 mm)	630 A @ 35% 500 A @ 60% 400 A @100%
<b>Dimensions L x W x H</b> incl. top handle		<b>Weight</b>	Stainless Steel	.023 – 1/16 in. (0.6 – 1.6 mm)	
23.4 x 9.8 x 16.9 in. (595 x 250 x 430 mm)			23.4 x 9.8 x 16.9 in. (595 x 250 x 430 mm)	Cored Wire	
<b>Operating Temperature</b>		<b>Wire Spool Capacity</b>	<b>Certification Mark (Standards)</b>		
-20° to +40 °C/ -4 to 104 °F (+55 °C/131 °F with derating)		45 lbs. (20.4 kg)	CE, CSA		IP44

Ordering Information	
Robust Feed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Tweco 4	0445800904
Robust Feed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800896
Robust Feed U6 (push pull capable, gas flow meter+heater+MMA outlet) Air-cooled, Tweco 4	0445800890
Robust Feed U6 (push pull capable, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800895

ELP feature needed for use with legacy equipment for example Cool 1.

Options & Accessories				
		Interconnection Cables	Air-Cooled	Water-Cooled
Robust Feed Wheel Kit	0446081880			
Torch Strain Relief	0446082880	Interconnection – 70 mm 2 CAN w strain relief, 6 ft (2 m)	0446255880	0446255890
Trolley (Robust Feed/Warrior Feed)	0349313450	Interconnection – 70 mm 2 CAN w strain relief, 16 ft (5 m)	0446255881	0446255891
Guide Pin Extension Kit ** 0465508880	0349313100	Interconnection – 70 mm 2 CAN w strain relief, 50 ft (15 m)	0446255883	0446255893
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880	Interconnection – 70 mm 2 CAN w strain relief, 82 ft (25 m)	0446255885	0446255895
Quick Connector Marathon Pac™	F102440880	Interconnection Strain Relief Kit Aristo ***		0446050881

\*\* Extension Kit required when Wire Feeder Wheel Kit is used in combination with Trolley.  
\*\*\* To upgrade existing Aristo interconnection cable sets to fit with Robust Feed

# ROBUSTFEED EDGE BX/CX/DX



- TrueFlow, digital gas flow control system from ESAB, effectively manages shielding gas, both in starts and while welding thus improving quality and decreasing consumption
- A hybrid HMI solution with material selection and configurations on a TFT-screen inside the unit with a clear and easy to use external display for everyday operation makes unit easy to operate
- Adaptive optimized Pulse MIG process that compensates for operator variation with an easy, userfriendly setup designed to achieve excellent weld results
- Fit for purpose WeldMode SPEED that provides a focused arc that allows the welder to better and easier handle the weld puddle at higher travel speeds thus increasing the productivity
- High performance WeldMode THIN reduces spatter levels and helps reduce distortion when welding thin plates



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- With a gap bridging ability, the easy to control ROOT WeldMode is optimized for root passes
- Effective and quick to set-up operator management system with key card that allows locking down quickjobs with setting limits improves repeatability and adherence to welding procedure specifications
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- SpoolSafe - a unique in the market IP54 protection against dirt/dust keeps your wire dry and clean, improves feedability and reduces risk of contaminations of the weld.
- The 2021 Red Dot design award winning design provides well-designed ergonomics and intuitive user interface that reduces training needs for operators
- Integrated WeldCloud connectivity

Specifications					
Input Voltage, Max.	Wire Feed Speed	Max Spool Diameter	Wire Dimensions		Welding Output
60 VDC	0.8 – 25.0 m/min (31 – 984 in./min)	12 in. (300 mm)	Mild Steel	0.8 – 2.0 mm (.030 – 5/64 in.)	630 A @ 35% 500 A @ 60% 400 A @100%
<b>Dimensions L x W x H</b> incl. top handle		<b>Weight</b>	Stainless Steel	0.8 – 1.6 mm (.030 – 1/16 in.)	
23.42 x 9.84 x 16.92 in. (595 x 250 x 430 mm)			23.42 x 9.84 x 16.92 in. (595 x 250 x 430 mm)	Cored Wire	
<b>Operating Temperature</b>		<b>Wire Spool Capacity</b>	<b>Certification Mark (Standards)</b>		
-20 to +55°C (0 to 131°F)		44.12 (20 kg)	CSA		IP44

Ordering Information	
RobustFeed Edge BX, Water-cooled, Euro	0446600880
RobustFeed Edge CX, Water-cooled, Digital Gas Control, Heater, Euro	0446600881
RobustFeed Edge DX, Air-cooled, Digital Gas Control, Heater, Rear OKC, Tweco Connect	0446600885

Interconnection Cables		
Length	Gas-Cooled	Water-Cooled
70 mm 2 CAN w strain relief, 6 ft (2 m)	0446255880	0446255890
70 mm 2 CAN w strain relief, 16 ft (5 m)	0446255881	0446255891
70 mm 2 CAN w strain relief, 50 ft (15 m)	0446255883	0446255893
70 mm 2 CAN w strain relief, 82 ft (25 m)	0446255885	0446255895
95 mm 2 CAN w strain relief, 6 ft (2 m)		
95 mm 2 CAN w strain relief, 16 ft (5 m)		
95 mm 2 CAN w strain relief, 50 ft (15 m)		
95 mm 2 CAN w strain relief, 82 ft (25 m)		

Options & Accessories	
Cool 2	0446081880
Coolant 10 l.	0465720002
4-wheel Trolley, Power Source	0349313450
Counterbalance Arm RobustFeed **	0448181880
Counterbalance Arm Extension Kit for use with 6m and 7.5m torches	0448116880
Stabilizer Kit for Counterbalance Arm **	0460946880
Wheel Kit, Power Source	0465416880
Feeder Mounting Kit, Power Source Assembly incl cable holders	0447518880
RobustFeed Wheel Kit *	0446081880
Guide Pin Extension Kit *	0465508880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Boom Adaptor (Lifting Device)	0446956880
Quick Connector Marathon Pac	F10244088

\*\* Extension Kit required when Wire Feeder Wheel Kit is used in combination with Trolley.  
\*\*\* To upgrade existing Aristo interconnection cable sets to fit with Robust Feed



# WIRE FEEDER CONTROL PANELS

EASY 2 STEP READY TO WELD PACKAGE SELECTION

**STEP 1:**  
Select Basic Package

**STEP 2:**  
Select Interconnection Length



Wheel Kit works with feeder horizontal or vertical



Internal LED lights and integrated storage for wear parts in lid

Panel Functions	RobustFeed Pulse + Aristo 500ix	RobustFeed U6 + Aristo 500ix	RobustFeed U82 + Aristo 500ix
MIG CV	■	■	■
MIG Pulse		■	■
Synergic Lines	Steel, Stainless Steel, Aluminum - 93 lines	Steel, Stainless Steel, Aluminum - 92 lines	Steel, Stainless Steel, Aluminum - 259 manual & 68 robotic lines
Stick	Stick controls and outlet on wire feeder *	Stick controls and outlet on wire feeder *	■
ACAG	■	Gouging controls and outlet on wire feeder *	■
Live TIG	-	■	■
Gas Flow Meter, Heat Kit	■*	■*	■*
2T/4T	■	■	■
Hot Start	■	■	■
Creep Start	■	■	■
Crater Fill	■	■	■
Burnback	■	■	■
SCT	■	■	■
Amperage Setting	■	■	■
Gas Pre- and Post-flow Setting	■	■	■
Qset	■	■	■
Memory Settings	3	10	255
Spot Welding Time	-	■	■
Setting Limits	-	■	■ (and measure limits)
Code Lock	-	■	■ (and user levels)
SuperPulse	-	-	■
Synergic Line Creation	-	-	■

\* Depending on variant





# ARISTO® U82 PLUS CONTROLLER

Developed for Durability and Usability

- ESAB introduced the second generation of Aristo U8<sub>2</sub> digital controllers offering improved welding capacity and operator convenience
- The new U8<sub>2</sub> Plus has been developed as an addition to our Origo® and Aristo® power sources and wire feeder devices as users demanded more functionality and functions
- Designed for advanced manual and mechanized MIG/MAG welding, Pulsed MIG/MAG, Pulse TIG, STICK welding, as well as carbon arc gouging
- User-friendly design and interface
- Complex controllers are often impossible to understand without an in-depth knowledge of the product - not so with the U8<sub>2</sub> Plus
- The few controls that it has to guide the welder intuitively are ergonomically very easy to use even when wearing protective gloves
- The large, bright display is clear and easy to read, with full text in English and 16 other languages
- It does not have a multitude of tiny knobs or buttons, nor does it use incomprehensible abbreviations



### QSet™

Is the best single parameter automatic arc system on the market for the perfect short arc. The advantages are enormous! You set up the machine with the appropriate gas/wire combination, press the torch switch and start welding within seconds.

The machine determines the optimum parameters and makes any changes as required in a fraction of a second. The wire stick out which is normally a constant length in MIG/MAG welding, can be varied with QSet™.

Whether you are close to the work piece with the torch or so far away that the gas protection almost ceases, the welding arc remains unchanged - always perfect. Unbeatable in deep seams, if you have to weld around corners or are welding upwards coming out of the downhand position.

Utilized with CO<sub>2</sub> gas you can weld with QSet with extremely low levels of spatter and can drastically reduce the gas costs, compared with mixed gas, without any loss of quality.

QSet is ideal for welding in restricted positions, root welding, GMA brazing and for reproducible results in the series production of parts. QSet is also available in many other ESAB controller / machine combinations.

### Synergic Lines

In the Aristo U8<sub>2</sub> Plus you have more than 230 synergic lines available to you for your welding applications. From construction steel to Super Duplex, from aluminium to Ni basic alloys or for applications of hard metal. You can create customized synergic lines yourself for any desired material and any combination of protective gas and save them as new synergic lines. You can transfer data via the USB connection, to another Aristo U8<sub>2</sub> or to your computer for data backup or exchange by e-mail.

### SAT – Swift Arc Transfer™ (Robotic Welding Only)

Swift Arc Transfer (SAT) is a high productivity GMAW process using AristoRod™ non-copper coated wires with Advanced Surface Characteristics at travel speeds well beyond the limits of normal spray arc welding.

The advantage AristoRod non-copper-coated wire over copper-coated wires is that it does not contaminate the feed system with copper particles. Synergic lines are available for three AristoRod wire sizes and various shielding gases.

SAT produces flat welds with good penetration and without undercut. An additional advantage is the low heat input, resulting in less deformation. SAT is developed for robotic, automated and mechanized welding, and suited for fillet and overlap welds in thin to thick plate, in downhand positions.

SAT uses ESAB inverter power sources together with the Robofeed 3004 wire feeder for wire feed speeds up to 1200 ipm (30 m/min) in conjunction with U8<sub>2</sub> Plus control unit. ESAB provides a complete package of equipment, consumables, and synergic lines as well as the expertise to successfully implement the SAT process.

### Quality Control

For storage of the measured values you are offered two options in the form of the setting limits and measuring limits. The setting limits prevent the operator from inputting excessively high values for the welding process. The measuring limits ensure that the power source does not exceed the input values. Up to 16 User Accounts on three levels with various access rights and blocking codes can be used to prevent unauthorized persons from making changes.

### Production Statistics

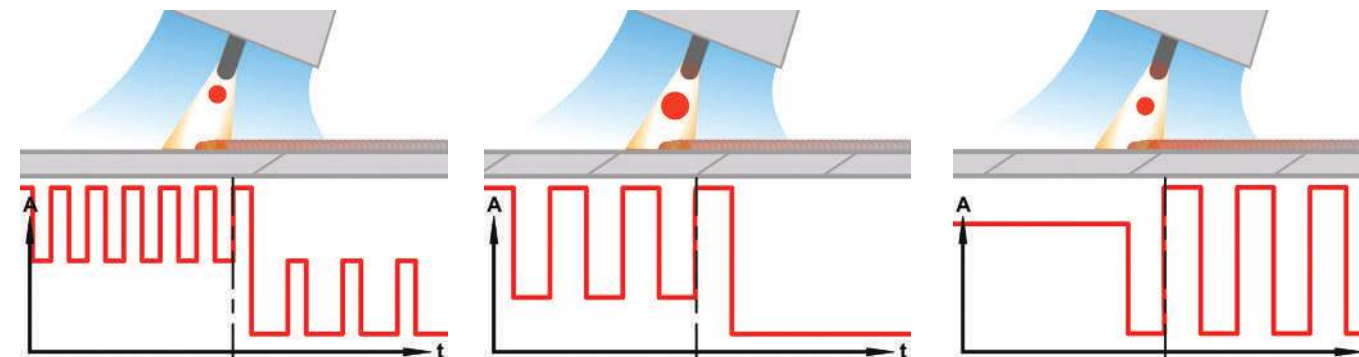
The total arc time, total quantity of material and the number of welding processes can be logged per production statistics item. In addition, the arc time and amount of material for the last welding process are recorded, the total weld metal deposited can be recorded – and collected by WeldCloud™.

# ARISTO® SUPERPULSE™

Innovative Process for Heat Input Control

An additional feature of the Aristo U8<sub>2</sub> Plus control is Aristo SuperPulse – a further development of the Pulse/Pulse concept, giving full control over the heat input and thereby expanding the scope of application of the GMAW process resulting in better gap bridging, reduction in distortion, and better balance of the weld penetration and its profile.

SuperPulse combines the relevant advantages of the various types of arc. For example, the quality of the pulsed arc with the productivity of the spray arc. Or pulse arc with short arc, to introduce the least amount of heat into the thinnest sheets of metal. Or the combination of two pulsed arcs with different frequencies, for example, for the MIG welding of aluminium with a TIG look. It also allows the working range of larger wires to be expanded increasing productivity.



Pulse/Pulse	Pulse/Short Arc	Spray/Pulse
<ul style="list-style-type: none"> <li>■ All position weldability</li> <li>■ Thicknesses from 0.1 to 0.5 in. (3 to 12 mm)</li> <li>■ Exceptional results on aluminum and stainless steel</li> <li>■ Ascetically pleasing welds with uniform bead</li> </ul>	<ul style="list-style-type: none"> <li>■ Excellent performance on thin stainless and aluminum 0.4 to 0.2 in. (1 to 5 mm)</li> <li>■ Higher travel speeds compared to TIG</li> </ul>	<ul style="list-style-type: none"> <li>■ Better overall results on thicker weldments [0.2 in. (6 mm) and over]</li> <li>■ Better control of fusion and penetration</li> <li>■ Ability to weld thick aluminum vertical up with no weaving</li> </ul>

### Aristo SuperPulse Benefits:

- Easier positional welding
- Uniform penetration
- Less sensitive for root gap variations and unequal heat transfer
- GTAW weld appearance with the GMAW process
- Suitable for automated welding, e.g./with ESAB Railtrac and Miggytrac automated welding tractors
- Extends the working range for larger wire sizes
- With its precisely adjustable heat input and depth of penetration, Aristo SuperPulse can solve difficult welding tasks and increase productivity



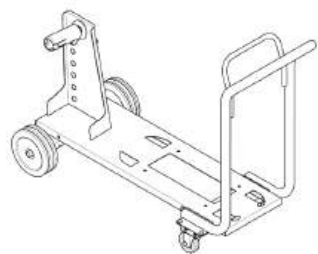
WIRE FEEDERS

WIRE FEEDERS

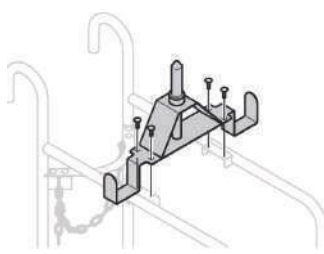




# WIRE FEEDER ACCESSORIES



**RobustFeed 60lb Coil Cart**  
Part Number: 0349313700



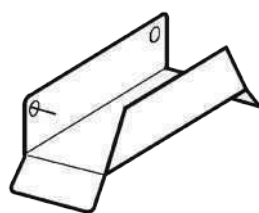
**Warrior Trolley Guide Pin Extension**  
Part Number: 0465508880  
For use with Wheel Kit.



**Electrode Holder Assembly QD**  
Part Number: 21226



**Quick Connector Marathon Pac**  
Part Number: 0558002354  
Allows connection of QCA Adapter to Aristo Feed inlet.



**Cable and Torch Holder**  
Part Number: 0349303362



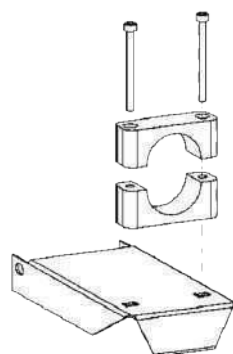
**Remote Connection Cable for CAN**  
Part Number: 0459960880  
(Requires MTA or M1 10Prog CAN remote) CAN 4 pole - 10 pole 16.4 ft. (5 m).



**Foot pedal T1 Foot CAN**  
Part Number: 0460315881  
incl. 16.4 ft. (5 m) cable with 10 pole plug, for connection to the feeder with U6 panel.



**Quick Connector Bushing Marathon Pac**  
Part Number: 0558002354  
Allows use of p/n 899F50 QCA Fitting.



**Power Source Strain Relief for Connection Cables**  
Part Number: 0349311700

Recommended when moving power supply frequently and use of long connection sets.



**Torch Holder - RobustFeed**  
Part Number: 0446958880



**Boom Adapter - RobustFeed**  
Part Number: 0446956880



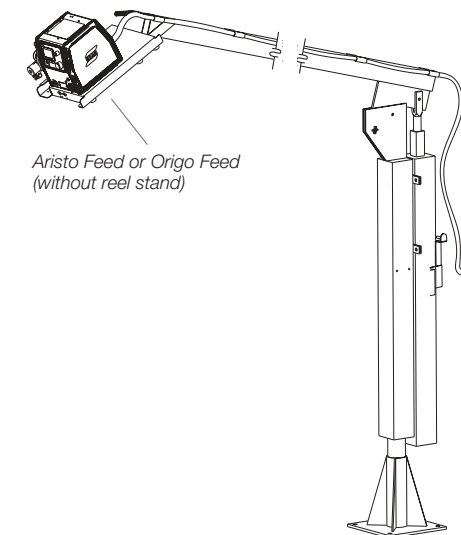
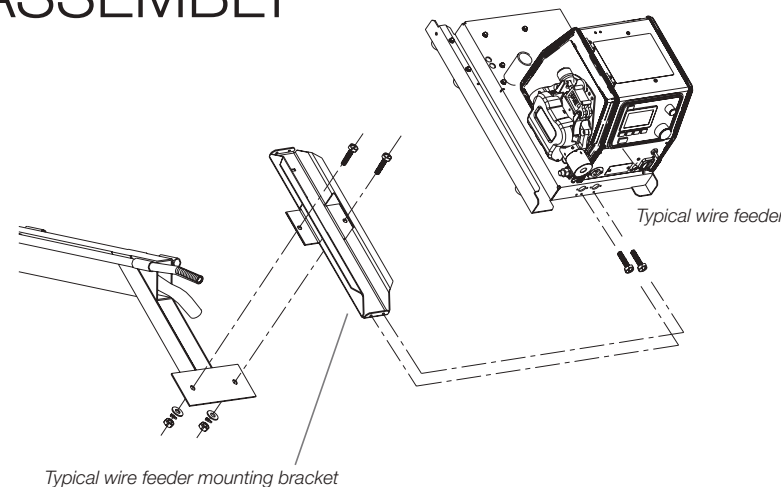
**RobustFeed Wheel Kit**  
Part Number: 0446081880

# COUNTER BALANCE DEVICE FOR ROBUSTFEED

Ordering Information	
Counter Balance Device for RobustFeed	0448181880



# BALANCED BOOM ASSEMBLY



- Extends a 12 ft. (4 m) or 15 ft. (4.5 m) torch's reach from a 20 ft. (6 m) radius up to a 31 ft. (9.5 m) radius
- 350° envelope of operation in most uses
- Boom adjusts from 50° up to 6° down from horizontal position, can be used for tall weldments
- Fully balances feeder weight for fingertip control of feeder height, no lever jacking
- Mast has 6.5 ft. (2 m) clearance from floor to boom support pin
- Standard mounting directly to concrete floor
- Pallet and cart mounting options available
- Extremely rugged steel construction for years of continuous use
- Weld parameters easily adjustable on the standard feeder at the end of boom
- Wire spools mountable to mast or feed wire from Marathon Pac

Ordering Information	
8 ft. (2.4 m), B-8/FHD	0558004002
12 ft. (3.6 m), B-12/FHD	0558003734
10 ft. (3 m), B-10/FHD	0558004006
16.4 ft. (5 m), B-16/FHD	0558003737

<sup>1</sup>For Origo Feed and Aristo Feed wire feeders.  
<sup>2</sup>Used with spindle assembly #948259 (holds conduit inlet inline with spool).  
<sup>3</sup>For mast mounted spools - requires 1/4 in. hardware.  
<sup>4</sup>Requires anchoring to floor in-use.  
<sup>5</sup>Use with 12 ft. maximum boom and 300+ lbs. power source.  
<sup>6</sup>Accepts QCA adapter #899F50.

Options & Accessories	
8 ft. (2.4 m), Plastic Trough	0558004004
12 ft. (3.6 m), Plastic Trough	0558003447
Boom mounting bracket <sup>1</sup>	0558005581
ERS conduit bushing support bracket <sup>2</sup>	37770
Coil adapter for 60-lb (27-kg) coils	34323
Welding cart with wheels <sup>5</sup>	37777
10 ft. (3 m), Plastic Trough	0558004008
16.4 ft. (5 m), Plastic Trough	0558003732
Feeder strain relief for torch <sup>1</sup>	0457341881
Spindle assembly <sup>3</sup>	948259
Pallet base <sup>4</sup>	37776
Inlet guide, 0.2-1 in. (4-30 mm), Marathon Pac <sup>6</sup>	0558002354



# EASY FIND GUIDE

## MIG GUN SELECTION GUIDE

Wire Diameter	Amperage Range											Recommended	Alternate		
	30	100	150	200	250	300	350	400	450	500	550			600	650
<b>.023" - .030"</b> (0.6 - 0.8 mm)			CO <sub>2</sub>											Fusion 180, Mini-MIG 160, VELOCITY2 Mini-MIG 160	VELOCITY2 Classic No. 1, Classic No. 1
<b>.035"</b> (0.9 mm)			CO <sub>2</sub>	75-25										Fusion 180, VELOCITY2 Spray Master SMV250, Spray Master 250	VELOCITY2 Classic No. 2, Classic No. 2, Smoke Master 250, Compact Eliminator 250
<b>.045"</b> (1.2 mm)			CO <sub>2</sub>						Higher Argon Mixture					VELOCITY2 Spray Master SMV350, Spray Master 350, VELOCITY2 Classic No. 4, Classic No. 4	VELOCITY2 Supra XT 400, Supra XT 400, Smoke Master 450
<b>.052"</b> (1.3 mm)									Higher Argon Mixture					VELOCITY2 Spray Master SMV450, Spray Master 450, VELOCITY2 Classic No. 4, Classic No. 4	VELOCITY2 Supra XT 400, Supra XT 400, Smoke Master 450
<b>1/16"</b> (1.6 mm)									Higher Argon Mixture					VELOCITY2 Spray Master SMV450, Spray Master 450, VELOCITY2 Classic No. 5, Classic No. 5	Standard Water-Cooled 600

Wire Diameter	Amperage Range											Recommended	Alternate		
	30	100	150	200	250	300	350	400	450	500	550			600	650
<b>.030"</b> (0.8 mm)			Self-shielded											Fusion 180, Mini-MIG 160, VELOCITY2 Mini-MIG 160	VELOCITY2 Classic No. 1, Classic No. 1
<b>.035"</b> (0.9 mm)			Self-shielded											Fusion 180, VELOCITY2 Spray Master SMV250, Spray Master 250	VELOCITY2 Classic No. 2, Classic No. 2, Smoke Master 250, Compact Eliminator 250
<b>.045"</b> (1.2 mm)			Self-shielded											VELOCITY2 Spray Master SMV350, Spray Master 350, VELOCITY2 Classic No. 4, Classic No. 4	VELOCITY2 Supra XT 400, Supra XT 400, Smoke Master 450
<b>.052"</b> (1.3 mm)									CO <sub>2</sub> or 75-25					VELOCITY2 Spray Master SMV450, Spray Master 450, VELOCITY2 Classic No. 4, Classic No. 4	VELOCITY2 Supra XT 400, Supra XT 400, Smoke Master 450
<b>1/16" - 5/64"</b> (1.6 - 2.0 mm)														VELOCITY2 Spray Master SMV450, Spray Master 450, VELOCITY2 Classic No. 5, Classic No. 5	Standard Water-Cooled 600
<b>3/32"</b> (2.4 mm)			Self-shielded											VELOCITY2 Classic No. 6, Classic No. 6	VELOCITY2 Classic No. 5, Classic No. 5

\*Flux Cored SEFC Series MIG Guns are to be used only with Self-Shielded wire

Wire Diameter	Amperage Range											Recommended	Alternate		
	30	100	150	200	250	300	350	400	450	500	550			600	650
<b>.030"</b> (0.8 mm)			Argon											Spool Gun 160 & 200, Fusion 180	VELOCITY2 Classic No. 1, Classic No. 1
<b>.035"</b> (0.9 mm)			Argon											Spool Gun 200, VELOCITY2 Spray Master 250, Spray Master 250	VELOCITY2 Classic No. 2, Classic No. 2
<b>3/64"</b> (1.2 mm)			Argon											VELOCITY2 Spray Master SMV350, Spray Master 350, VELOCITY2 Classic No. 3, Classic No. 3	VELOCITY2 Spray Master SMV450, VELOCITY2 Classic No. 4, Classic No. 4
<b>1/16"</b> (1.6 mm)									Argon					VELOCITY2 Spray Master SMV450, Spray Master 450	Standard water-cooled 600
<b>3/32"</b> (2.4 mm)									Argon					VELOCITY2 Spray Master SMV450, Spray Master 450	Standard water-cooled 600

When welding with aluminum wire, standard MIG gun length of 12 ft should not be exceeded and conduit liners/contact tips made specifically for aluminum wires should be used.

# EASY FIND GUIDE

## MIG GUN SELECTION GUIDE

Tweco MIG Gun	Amperage Range	Available Lengths ft (m)	Handle Design	Cable Hose Connection	Rear End Connector Options	Air-Cooled/Water-Cooled	Special Features
Spray Master® Series	250, 350, 450	10, 12, 15, 20, 25 ft (3, 3.7, 4.6, 6.1, 7.6 m)	Small & Ergonomic	Crimped	Tweco, Miller®, Lincoln®, Euro-Kwik	Air	Heavy Duty Front End Consumables
VELOCITY2™ Spray Master® Series	250, 350, 450	10, 12, 15, 20, 25 ft (3, 3.7, 4.6, 6.1, 7.6 m)	Small & Ergonomic	Crimped	Tweco, Miller, Lincoln, Euro-Kwik	Air	Heavy Duty Front End Consumables
Classic® No. Series	180, 200, 300, 400, 500, 600	10, 12, 15, 20, 25 ft (3, 3.7, 4.6, 6.1, 7.6 m)	Oval/Paddle Contour	Mechanical	Tweco, Miller, Lincoln, Euro-Kwik	Air	Wide Range of Front End Consumables
VELOCITY2™ Classic® No. Series	180, 200, 300, 400, 500	10, 12, 15, 20, 25 ft (3, 3.7, 4.6, 6.1, 7.6 m)	Oval/Paddle Contour	Mechanical	Tweco, Miller, Lincoln, Euro-Kwik	Air	Wide Range of Front End Consumables
Fusion® Series	180	10, 12, 15 ft (3, 3.7, 4.6 m)	Small & Ergonomic	Crimped	Tweco, Miller, Lincoln, Euro-Kwik	Air	Longer Life Velocity Consumables
Compact Eliminator®	250, 450	10, 12, 15, 20, 25 ft (3, 3.7, 4.6, 6.1, 7.6 m)	Small & Ergonomic	Crimped	Tweco, Miller, Euro-Kwik	Air	Ball & Socket design conductor tube & cam style locking contact tips
Supra® XT	400	15 ft (4.6 m)	Straight	Mechanical	Tweco, Miller, Lincoln	Air	Top Trigger Capability
VELOCITY2™ Supra® XT	400	15, 25 ft (4.6, 7.6 m)	Straight	Mechanical	Tweco, Miller, Lincoln	Air	Top Trigger Capability
Smoke Master® Series	450	15 ft (4.6 m)	Ergonomic	Crimped	Tweco, Miller, Lincoln	Air	Fume Extraction Cam-Style Contact Tips
Centrovac Fume Guns 260C 415C 420Cw	225 325 430	10 ft (3m), 15 ft (5 m)	Ergonomic	Crimped	Tweco, Miller, Euro	Air Air Water	Light Weight, well Balanced Ergonomic Handle, Front end designed for maximum Fume Extraction
Flux Cored SEFC Series	450	10, 15 ft (3, 4.6 m)	Straight	Crimped	Tweco, Miller, Lincoln	Air	Galvanized Steel Inner Core Tube Cablehoz Design
Spool Gun Series	160, 200	12, 25 ft (3.7, 7.6 m)	Pistol Grip	Mechanical	Dinse Lug	Air	Accepts Standard 4" Spools Rotatable Wire Spool Housing
Fusion Pro 7W 9W	500 550	10 ft (3 m), 12 ft (4 m), 15 ft (5 m)	Ergonomic	Crimped	Tweco, Miller, Euro	Water	Light Weight, Well Balanced Ergonomic Handle, Long Lasting consumables, 9W Offers Dual cooling channels in the Neck, for rapid coolig, good for Aluminu applications
Standard Water-Cooled	600	15 ft (4.6 m)	Ergonomic	Crimped	Tweco	Water	Inert Gas Style Fitting

For Special MIG gun configurations, including special consumables, please contact Tech Service and Support.

Adapter kits are available to fit Tweco rear connection to most wire feeders.

Some Lincoln wire feeders are assembled with their K1500-2 gun receiving bushing that will accept Tweco Style MIG Guns direct from the factory. Control wire (2060-2137) must be ordered separately.

Miller is a registered trademark of Illinois Tool Works, Inc. Lincoln is a registered trademark of Lincoln Electric Co. The aforementioned registered trademarks are in no way affiliated with Tweco. Tweco is registered trademark of ESAB.

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



Tweco

# SPRAY MASTER 250 AMP MIG GUN

Suitable for Light/Medium Duty Fabrication



Standard Options Include:

- Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1630-1189) on all guns up to 15 ft. (4.6 m), (1630-1188) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 42 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
250 A @ 80% duty cycle	Mixed	up to .045 in. (1.2 mm)	Air	GMAW, AI, FCAW	light/medium-duty fabrication

Ordering Information					
Tweco Style Rear Connector		Miller Style Rear Connector		Euro-Kwik Style Rear Connector	
12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1101	10 ft. (3 m), .045 in. (1.2 mm)	1023-1110	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1126
15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1102	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1111	15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1127
20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1103	15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1112	25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1133
25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1108	20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1113	<b>Lincoln Style Rear Connector</b>	
<b>Tweco Style (8-pin) Rear Connector</b>		25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1118	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1136
12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1141				
15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1140				

Tweco

# SPRAY MASTER 350 AMP MIG GUN

Suitable for Medium/Heavy Duty Fabrication



Standard Options Include:

- Dual Schedule On/Off Control, Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1630-1189) on all guns up to 15 ft. (4.6 m), (1630-1188) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 44 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
350 A @ 80% duty cycle	Mixed	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	medium/heavy-duty fabrication

Ordering Information					
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1610	10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1635	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1646
12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1613	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1638	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1647
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1615	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1640		
<b>Euro-Kwik Style Rear Connector</b>		25 ft. (7.6 m), 1/16 in. (1.6 mm)	1036-1642		
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1623				

Tweco

# SPRAY MASTER 450 AMP MIG GUN

Suitable for Heavy Duty Fabrication



Standard Options Include:

- Dual Schedule On/Off Control, Locking Trigger, Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1640-1319) on all guns up to 15 ft. (4.6 m), (1630-1318) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 44 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
450 A @ 80% duty cycle	Mixed	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	heavy-duty fabrication

Ordering Information							
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1050	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1060	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1070	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1075
12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1051	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1061	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1072	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1076
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1052	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1062	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1071	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1077
20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1059	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1064				
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1058	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1068				

Tweco

# SPRAY MASTER VELOCITY2 V250 AMP MIG GUN

Suitable for Light/Medium Duty Fabrication



Standard Options Include:

- Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1240-1374) on all guns up to 15 ft. (4.6 m), (1240-1373) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 42 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
250 A @ 80% duty cycle	Mixed	up to .045 in. (1.2 mm)	Air	GMAW, AI, FCAW	light/medium-duty fabrication

Ordering Information							
Tweco® Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), .045 in. (1.2 mm)	1023-1290	10 ft. (3 m), .045 in. (1.2 mm)	1023-1280	10 ft. (3 m), .045 in. (1.2 mm)	1023-1292	10 ft. (3 m), .045 in. (1.2 mm)	1023-1286
12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1276	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1281	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1285	12 ft. (3.6 m), .045 in. (1.2 mm)	1023-1287
15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1277	15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1282	15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1293	15 ft. (4.6 m), .045 in. (1.2 mm)	1023-1288
20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1278	20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1283	20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1294	20 ft. (6.1 m), .045 in. (1.2 mm)	1023-1291
25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1279	25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1289	25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1295	25 ft. (7.6 m), .045 in. (1.2 mm)	1023-1284

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



Tweco

# SPRAY MASTER VELOCITY2 V350 AMP MIG GUN

Suitable for Medium/Heavy Duty Fabrication

Standard Options Include:

- Dual Schedule On/Off Control, Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – Part No. SMVCT-60 (Stock No. 1240-1374) on all guns up to 15ft (4.6 m)
- Part No. SMVCT-45 (Stock No. 1240-1373) on all guns over 15 ft (4.6 m)
- Conduit Liner – 42 Series



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
350 A @ 80% duty cycle	Mixed	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	medium/heavy-duty fabrication

Ordering Information							
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1750	10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1751	10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1785	10 ft. (3 m), 1/16 in. (1.6 mm)	1036-1784
12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1752	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1754	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1753	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1036-1779
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1756	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1765	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1762	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1036-1770
20 ft. (6.1 m), 1/16 in. (1.6 mm)	1036-1789	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1036-1780	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1036-1781	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1036-1782
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1036-1787	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1036-1775	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1036-1786	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1036-1790

Tweco

# SPRAY MASTER VELOCITY2 V450 AMP MIG GUN

Suitable for Heavy Duty Fabrication

Standard Options Include:

- Dual Schedule On/Off Control, Locking Trigger, Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1240-1374) on all guns up to 15 ft. (4.6 m), (1240-1373) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 44 Series



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
450 A @ 80% duty cycle	Mixed	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	heavy-duty fabrication

Ordering Information							
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1825	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1827	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1826	10 ft. (3 m), 1/16 in. (1.6 mm)	1040-1828
12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1829	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1830	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1866	12 ft. (3.6 m), 1/16 in. (1.6 mm)	1040-1832
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1833	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1844	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1839	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1850
20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1854	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1855	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1869	20 ft. (6.1 m), 1/16 in. (1.6 mm)	1040-1867
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1859	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1861	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1860	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1868

Tweco

# CLASSIC NO. 1 180 AMP MIG GUN

Suitable for Light Duty Fabrication

Standard Options Include:

- Rear Connector
- Standard Conductor Tube – (1610-1102) on all guns up to 15 ft. (4.6 m), (1610-1101) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 42 Series



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
180 A @ 60% duty cycle	CO <sub>2</sub>	up to .045 in. (1.2 mm)	Air	GMAW, AI	light-duty fabrication

Ordering Information			
Tweco Style Rear Connector		Miller Style Rear Connector	
10 ft. (3 m), .035 in. (0.9 mm)	1010-1111	10 ft. (3 m), .035 in. (0.9 mm)	1010-1131
12 ft. (3.6 m), .035 in. (0.9 mm)	1010-1112	12 ft. (3.6 m), .035 in. (0.9 mm)	1010-1133
15 ft. (4.6 m), .035 in. (0.9 mm)	1010-1113	15 ft. (4.6 m), .035 in. (0.9 mm)	1010-1135
20 ft. (6.1 m), .035 in. (0.9 mm)	1010-1114	<b>Lincoln Style Rear Connector</b>	
10 ft. (3 m), .045 in. (1.2 mm)	1010-1121	15 ft. (4.6 m), .035 in. (0.9 mm)	1010-1145
12 ft. (3.6 m), .045 in. (1.2 mm)	1010-1122	<b>Euro-Kwik Style Rear Connector</b>	
15 ft. (4.6 m), .045 in. (1.2 mm)	1010-1123	10 ft. (3 m), .045 in. (1.2 mm)	1010-1621
20 ft. (6.1 m), .045 in. (1.2 mm)	1010-1124	12 ft. (3.6 m), .045 in. (1.2 mm)	1010-1622

Tweco

# CLASSIC NO. 2 200 AMP MIG GUN

Suitable for Medium Duty Fabrication

Standard Options Include:

- Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1620-1301) on all guns up to 15 ft. (4.6 m), (1620-1300) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 42 Series



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
200 A @ 60% duty cycle	CO <sub>2</sub>	up to .045 in. (1.2 mm)	Air	GMAW, AI	medium-duty fabrication

Ordering Information					
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
10 ft. (3 m), .035 in. (0.9 mm)	1020-1111	10 ft. (3 m), .035 in. (0.9 mm)	1020-1130	10 ft. (3 m), .035 in. (0.9 mm)	1020-1140
12 ft. (3.6 m), .035 in. (0.9 mm)	1020-1112	12 ft. (3.6 m), .035 in. (0.9 mm)	1020-1132	12 ft. (3.6 m), .035 in. (0.9 mm)	1020-1142
15 ft. (4.6 m), .035 in. (0.9 mm)	1020-1113	15 ft. (4.6 m), .035 in. (0.9 mm)	1020-1134	15 ft. (4.6 m), .035 in. (0.9 mm)	1020-1144
20 ft. (6.1 m), .035 in. (0.9 mm)	1020-1114	10 ft. (3 m), .045 in. (1.2 mm)	1020-1131	<b>Euro-Kwik Style Rear Connector</b>	
25 ft. (7.6 m), .035 in. (0.9 mm)	1020-1115	12 ft. (3.6 m), .045 in. (1.2 mm)	1020-1133	12 ft. (3.6 m), .045 in. (1.2 mm)	1020-1622
10 ft. (3 m), .045 in. (1.2 mm)	1020-1121	15 ft. (4.6 m), .045 in. (1.2 mm)	1020-1135	15 ft. (4.6 m), .045 in. (1.2 mm)	1020-1623
12 ft. (3.6 m), .045 in. (1.2 mm)	1020-1322	15 ft. (4.6 m), .045 in. (1.2 mm)	1020-1661*		
15 ft. (4.6 m), .045 in. (1.2 mm)	1020-1123	*Knucklehead Conductor Tube (1620-1106)			
20 ft. (6.1 m), .045 in. (1.2 mm)	1020-1660				
25 ft. (7.6 m), .045 in. (1.2 mm)	1020-1125				

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



Tweco

# CLASSIC NO. 3 300 AMP MIG GUN

Suitable for Medium/Heavy Duty Fabrication

Standard Options Include:

- Rear Connector
- Standard Conductor Tube – Part No. 63J-60 (Stock No. 1630-1111) on all guns up to 15 ft. (4.6 m)
- Part No. 63J-45 (Stock No. 1630-1110) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 44 Series



### Specifications

Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
300 A @ 60% duty cycle	CO <sub>2</sub>	up to 1/16 in. (1.6 mm)	Air	GMAW, AI	medium/heavy-duty fabrication

### Ordering Information

Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), .045 in. (1.2 mm)	1030-1101	10 ft. (3 m), .045 in. (1.2 mm)	1030-1130	10 ft. (3 m), .045 in. (1.2 mm)	1030-1140	10 ft. (3 m), .045 in. (1.2 mm)	1030-1601
12 ft. (3.6 m), .045 in. (1.2 mm)	1030-1102	12 ft. (3.6 m), .045 in. (1.2 mm)	1030-1133	12 ft. (3.6 m), .045 in. (1.2 mm)	1030-1143	12 ft. (3.6 m), .045 in. (1.2 mm)	1030-1602
15 ft. (4.6 m), .045 in. (1.2 mm)	1030-1103	15 ft. (4.6 m), .045 in. (1.2 mm)	1030-1136	15 ft. (4.6 m), .045 in. (1.2 mm)	1030-1146		
20 ft. (6.1 m), .045 in. (1.2 mm)	1030-1104	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1030-1137				
25 ft. (7.6 m), .045 in. (1.2 mm)	1030-1105						
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1030-1113						
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1030-1115						

Tweco

# CLASSIC NO. 4 400 AMP MIG GUN

Suitable for Heavy Duty Fabrication

Standard Options Include:

- Dual Schedule On/Off Control, Rear Connector and Knucklehead™ Flexible Conductor Tube
- Standard Conductor Tube – (1640-1106) on all guns up to 15 ft. (4.6 m), (1640-1105) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 44 Series



### Specifications

Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
400 A @ 60% duty cycle	CO <sub>2</sub>	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	heavy-duty fabrication

### Ordering Information

Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
10 ft. (3 m), .035 in. (0.9 mm)	1040-1101	10 ft. (3 m), .035 in. (0.9 mm)	1040-1130	10 ft. (3 m), .035 in. (0.9 mm)	1040-1140
12 ft. (3.6 m), .035 in. (0.9 mm)	1040-1102	12 ft. (3.6 m), .035 in. (0.9 mm)	1040-1133	12 ft. (3.6 m), .035 in. (0.9 mm)	1040-1143
15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1103	15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1136	15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1146
15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1503 <sup>1</sup>	15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1688 <sup>2</sup>	15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1689 <sup>2</sup>
20 ft. (6.1 m), .035 in. (0.9 mm)	1040-1104	20 ft. (6.1 m), .035 in. (0.9 mm)	1040-1126	10 ft. (3 m), .045 in. (1.2 mm)	1040-1141
25 ft. (7.6 m), .035 in. (0.9 mm)	1040-1105	25 ft. (7.6 m), .035 in. (0.9 mm)	1040-1129	12 ft. (3.6 m), .045 in. (1.2 mm)	1040-1144
10 ft. (3 m), .045 in. (1.2 mm)	1040-1111	10 ft. (3 m), .045 in. (1.2 mm)	1040-1131	15 ft. (4.6 m), .045 in. (1.2 mm)	1040-1147
12 ft. (3.6 m), .045 in. (1.2 mm)	1040-1112	12 ft. (3.6 m), .045 in. (1.2 mm)	1040-1134	<b>Euro-Kwik Style Rear Connector</b>	
15 ft. (4.6 m), .045 in. (1.2 mm)	1040-1113	15 ft. (4.6 m), .045 in. (1.2 mm)	1040-1137	12 ft. (3.6 m), .035 in. (0.9 mm)	1040-1602
20 ft. (6.1 m), .045 in. (1.2 mm)	1040-1114	20 ft. (6.1 m), .045 in. (1.2 mm)	1040-1127	15 ft. (4.6 m), .035 in. (0.9 mm)	1040-1603
25 ft. (7.6 m), .045 in. (1.2 mm)	1040-1115	25 ft. (7.6 m), .045 in. (1.2 mm)	1040-1128	25 ft. (7.6 m), .035 in. (0.9 mm)	1040-1605
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1514 <sup>1</sup>	15 ft. (4.6 m), 5/64 in. (2.0 mm)	1040-1138	15 ft. (4.6 m), .045 in. (1.2 mm)	1040-1613
15 ft. (4.6 m), 5/64 in. (2.0 mm)	1040-1123	1 = Dual Schedule 2 = Knucklehead Conductor Tube – 1640-1113			

Tweco

# CLASSIC NO. 5 500 AMP MIG GUN

Suitable for Heavy Duty Fabrication

Standard Options Include:

- Dual Schedule On/Off Control, Locking Trigger & Rear Connector
- Standard Conductor Tube – (1650-1111) on all guns up to 15 ft. (4.6 m), (1650-1110) on all guns over 15 ft. (4.6 m)
- Conduit Liner – 45 Series



### Specifications

Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
500 A @ 60% duty cycle	CO <sub>2</sub>	up to 3/32 in. (2.4 mm)	Air	GMAW, AI, FCAW	heavy-duty fabrication

### Ordering Information

Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1050-1113	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1050-1173	15 ft. (4.6 m), 3/32 in. (2.4 mm)	1050-1642
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1050-1115	15 ft. (4.6 m), 3/32 in. (2.4 mm)	1050-1175		
10 ft. (3 m), 3/32 in. (2.4 mm)	1050-1131				
15 ft. (4.6 m), 3/32 in. (2.4 mm)	1050-1133				

Tweco

# EXEOR MIG TORCHES

Gas-cooled torch with unique performance

- Slim and well-balanced handle with soft grip area.
- Excellent cooling performance for less spatter attachment, longer lifetime of consumables and better working conditions for the welder
- Choose Exeor CX remote variant for easy-to-use access to up/down adjustment of parameters and selection between 3 pre-selected jobs on Warrior Edge welding systems
- Exeor DX provides access to 10 jobs and the adjustment of multiple different parameters directly from the torch, all visible on the graphical display
- Both Exeor CX- and DX variants has LED light for illumination



### Specifications

Description	3 m (10 ft)	4 m (12 ft)	5 m (15 ft)
ExeorMIG 4.0G <sup>2</sup>	0700025752	0700025753	0700025754
Exeor MIG 4.0G <sup>2</sup> CX, Up/down	0700025755	0700025756	0700025757
Exeor MIG 4.0G <sup>2</sup> DX, Graphicaldisplay	0700025758	0700025759	0700025760

### Specifications

Description	MIG 4.0G2G Standard and CX	MIG 4.0G2 DX
Cooling	Gas	Gas
Welding Output Mixed Gas	420 A at 60%	360 A at 60%
Welding Output CO <sub>2</sub>	420 A at 60%	360 A at 60%
Wire Diameter	0.8 –1.6 mm (0.035 -1/16 in.)	0.8 –1.6 mm (0.035 -1/16 in.)
Recommendedgas flow	10-20 l/min (20 –42 cfm)	10-20 l/min (20 –42 cfm)
Certification Mark (Standards)	CSA(IEC 60974-7)	CSA(IEC 60974-7)
Operating Temperature	-10 °C to 40 °C (14 °F to 104 °F)	-10 °C to 40 °C (14 °F to 104 °F)
Cable Length	3 m, 4 m, 5 m (10 ft, 12 ft, 15 ft)	3 m, 4 m, 5 m (10 ft, 12 ft, 15 ft)



Tweco

# FUSION 180 AMP MIG GUN

Suitable for Light Duty Fabrication



Standard Options Include:

- High Performance Velocity Consumables and Rear Connector
- Conduit Liner – WS42 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
180 A @ 40% duty cycle	CO <sub>2</sub>	up to .035 in. (0.9 mm)	Air	GMAW, AI	light-duty fabrication

Ordering Information			
Tweco Style (4 Pin) Rear Connector		Miller Style Rear Connector	
12 ft. (3.6 m), .035 in. (0.9 mm)	1017-1331	12 ft. (3.6 m), .035 in. (0.9 mm)	1017-1330
Tweco Style (8 Pin) Rear Connector		Euro-Kwik Style Rear Connector	
10 ft. (3 m), .035 in. (0.9 mm)	1017-1338	10 ft. (3 m), .035 in. (0.9 mm)	1017-1335
12 ft. (3.6 m), .035 in. (0.9 mm)	1017-1332	Lincoln Style Rear Connector	
		12 ft. (3.6 m), .035 in. (0.9 mm)	1017-1329

*Note: Gun length is measured from the front case to the rear case +/-3".*

Tweco

# COMPACT ELIMINATOR 250 AMP MIG GUN

Suitable for Light/Medium Duty Fabrication



Standard Options Include:

- Rear Connector
- Standard Conductor Tube – (1630-1136)
- Conduit Liner – 44 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
250 A @ 60% duty cycle	CO <sub>2</sub>	up to .045 in. (1.2 mm)	Air	GMAW, AI, FCAW	light/medium-duty fabrication

Ordering Information			
Tweco Style Rear Connector		Miller Style Rear Connector	
12 ft. (3.6 m), .045 in. (1.2 mm)	1028-1108	12 ft. (3.6 m), .045 in. (1.2 mm)	1028-1158
15 ft. (4.6 m), .045 in. (1.2 mm)	1028-1112	15 ft. (4.6 m), .045 in. (1.2 mm)	1028-1162
Lincoln Style Rear Connector		25 ft. (7.6 m), .045 in. (1.2 mm)	
15 ft. (4.6 m), .045 in. (1.2 mm)	1028-1186		

Tweco

# COMPACT ELIMINATOR 450 AMP MIG GUN

Suitable for Light/Medium Duty Fabrication



Standard Options Include:

- Rear Connector
- Standard Conductor Tube – (1640-1137)
- Conduit Liner – 44 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
450 A @ 60% duty cycle	CO <sub>2</sub>	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	heavy-duty fabrication

Ordering Information					
Tweco® Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
15 ft. (4.6 m), .045 in. (1.2 mm)	1048-1210	10 ft. (3 m), .045 in. (1.2 mm)	1048-1250	15 ft. (4.6 m), .045 in. (1.2 mm)	1048-1285
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1048-1211	12 ft. (3.6 m), .045 in. (1.2 mm)	1048-1255	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1048-1286
20 ft. (6.1 m), 1/16 in. (1.6 mm)	1048-1216	15 ft. (4.6 m), .045 in. (1.2 mm)	1048-1260	Euro-Kwik Style Rear Connector	
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1048-1221	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1048-1261	12 ft. (3.6 m), .045 in. (1.2 mm)	1048-1230
		25 ft. (7.6 m), 1/16 in. (1.6 mm)	1048-1271	15 ft. (4.6 m), .045 in. (1.2 mm)	1048-1235

Tweco

# SUPRA XT SEHD 400 AMP MIG GUN

Suitable for Medium/Heavy Duty Fabrication



Standard Options Include:

- Rear Connector
- Available with Heavy Duty Front End Consumables
- Standard Conductor Tube – (1640-1347) on all guns up to 15 ft. (4.6 m)
- Conduit Liner – 44 Series

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
400 A @ 60% duty cycle	CO <sub>2</sub>	up to 1/16 in. (1.6 mm)	Air	GMAW, AI, FCAW	medium/heavy-duty fabrication

Ordering Information			
Tweco Style Rear Connector		Euro-Kwik Style Rear Connector	
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1332	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1442
Miller Style Rear Connector		Lincoln Style Rear Connector	
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1342	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1432

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



Tweco

# VELOCITY2 SUPRA XT VSEHD 400 AMP MIG GUN

Suitable for Medium/Heavy Duty Fabrication

Standard Options Include:

- Rear connector
- Heavy-duty VELOCITY2 front end consumables
- Standard conductor tubes (1640-1160) on all guns up to 15 ft. (4.6 m), (1640-1161) on all guns over 15 ft. (4.6 m)
- "LM" long reach conductor tubes are available



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
400 A @ 60% duty cycle	CO <sub>2</sub>	up to .035 in. (0.9 mm)	Air	GMAW, Al, FCAW	medium/heavy-duty fabrication

Ordering Information			
Tweco Style Rear Connector		Lincoln Style Rear Connector	
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1880	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1888
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1881	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1889
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1882*	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1890*
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1883*	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1891*
Euro-Kwik Style Rear Connector		Miller Style Rear Connector	
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1892	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1884
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1893	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1885
15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1894*	15 ft. (4.6 m), 1/16 in. (1.6 mm)	1040-1886*
25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1895*	25 ft. (7.6 m), 1/16 in. (1.6 mm)	1040-1887*

\*LM - long reach conductor tube.

Tweco

# FLUX-CORED SEFC 450 AMP MIG GUN

Suitable for Heavy Duty Fabrication

Standard Options Include:

- Rear Connector
- Standard Conductor Tube – (1641-1127) on all guns up to 15 ft. (4.6 m)
- Conduit Liner – 44 Series



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
450 A @ 60% duty cycle	CO <sub>2</sub>	up to 1/8 in. (3.2 mm)	Air	GMAW, FCAW	heavy-duty fabrication

Ordering Information					
Tweco Style Rear Connector		Miller Style Rear Connector		Lincoln Style Rear Connector	
15 ft. (4.6 m), 3/32 in. (2.5 mm)	1041-1120	15 ft. (4.6 m), 3/32 in. (2.5 mm)	1041-1139	15 ft. (4.6 m), 3/32 in. (2.5 mm)	1041-1113

Tweco

# EXEOR MIG TORCHES

Water-cooled torch with unique performance

Standard Options Include:

- Slim and well-balanced handle with soft grip area
- Light and flexible rubber strain relief
- Excellent cooling performance for less spatter attachment, longer lifetime of consumables and better working conditions for the welder
- Choose Exeor CX remote variant for easy-to-use access to up/down adjustment of parameters and selection between 3 pre-selected jobs on Warrior Edge welding systems
- Exeor DX provides access to 10 jobs and the adjustment of multiple different parameters directly from the torch, all visible on the graphical display
- Both Exeor CX- and DX variants has LED light for illumination of the workpiece in darker working conditions



Specifications	
Description	MIG 4.0W2 Standard, CX, DX
Cooling	Water
Welding Output Mixed Gas	450 A at 100%
Welding Output CO <sub>2</sub>	450 A at 100%
Wire Diameter	0.8 –1.6 mm (0.035 -1/16 in.)
Recommendedgas flow	10-20 l/min (20 –42 cfm)
Certification Mark (Standards)	CSA(IEC 60974-7)
Operating Temperature	-10 °C to 40 °C (14 °F to 104 °F)
Cable Length	3 m, 4 m, 5 m (10 ft, 12 ft, 15 ft)

Ordering Information			
Description	3 m (10 ft)	4 m (12 ft)	5 m (15 ft)
Exeor MIG 4.0W <sup>2</sup>	0700026050	0700026051	0700026052
Exeor MIG 4.0W <sup>2</sup> CX, Up/down	0700025730	0700025731	0700025732
Exeor MIG 4.0W <sup>2</sup> DX, Graphicaldisplay	0700025733	0700025734	0700025735

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



# FUSION PRO™ 7W & 9W WATER-COOLED MIG GUN

Lightweight Guns for High-Heat Applications

- Lightweight and excellent for high-heat welding applications
- Comfortable, easy to grip, ergonomic handle design
- Adapts with most competitive wire feeders
- Reduced heat increases life of consumables
- Better wire feedability
- Consistent wire feeding even with soft wires
- Thick conductor tube reduces risks of accidental drops



Specifications						
Fusion Pro 7W Rated Output	Fusion Pro 9W Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
450 A @ 100% duty cycle 500 A @ 100% duty cycle	500 A @ 100% duty cycle 550 A @ 100% duty cycle	Mixed Gas CO <sub>2</sub>	.035 - 1/16 in. (1.0 - 1.6 mm)	Water	GMAW, AI	Heavy-Duty Fabrication

Ordering Information		
Description	Part Number	Model Number
7W Water Cooled MIG Gun – 10 ft (3 m) - TWECO	1044-1122	FPW7410116
7W Water Cooled MIG Gun – 12 ft (4 m) - TWECO	1044-1123	FPW7412116
7W Water Cooled MIG Gun – 15 ft (5 m) - TWECO	1044-1124	FPW7415116
9W Water Cooled MIG Gun – 10 ft (3 m) - TWECO	1044-1125	FPW9510116
9W Water Cooled MIG Gun – 12 ft (4 m) - TWECO	1044-1126	FPW9512116
9W Water Cooled MIG Gun – 15 ft (5 m) - TWECO	1044-1127	FPW9515116
7W Water Cooled MIG Gun – 10 ft (3 m) - MILLER	1044-1128	FPW7410M116
7W Water Cooled MIG Gun – 12 ft (4 m) - MILLER	1044-1129	FPW7412M116
7W Water Cooled MIG Gun – 15 ft (5 m) - MILLER	1044-1130	FPW7415M116
9W Water Cooled MIG Gun – 10 ft (3 m) - MILLER	1044-1131	FPW9510M116
9W Water Cooled MIG Gun – 12 ft (4 m) - MILLER	1044-1132	FPW9512M116
9W Water Cooled MIG Gun – 15 ft (5 m) - MILLER	1044-1133	FPW9515M116
7W Water Cooled MIG Gun – 10 ft (3 m) - EURO	1044-1134	FPW7410X116
7W Water Cooled MIG Gun – 12 ft (4 m) - EURO	1044-1135	FPW7412X116
7W Water Cooled MIG Gun – 15 ft (5 m) - EURO	1044-1136	FPW7415X116
9W Water Cooled MIG Gun – 10 ft (3 m) - EURO	1044-1137	FPW9510X116
9W Water Cooled MIG Gun – 12 ft (4 m) - EURO	1044-1138	FPW9512X116
9W Water Cooled MIG Gun – 15 ft (5 m) - EURO	1044-1139	FPW9515X116

# PULLMASTER2™ AIR-COOLED MIG GUN

Push-Pull MIG Gun

- Push-Pull (PP) system is designed to ensure optimal ergonomics for various applications
- Welding torches come with remote capability to set programs and parameter adjustments
- Easy to repair and maintain, durable, tougher material to withstand a heavy industrial environment
- Comfortable easy to grip ergonomic handle design and improved ball & socket style strain relief
- Tweco 16 APS standard and Velocity front end wears
- Comes standard with 30 degree conductor tube, optional 180 degree and flexible knucklehead conductor tubes



Specifications					
Rated Output	Gas	Wire Size (Aluminum)	Cooled	Process	Application Usage
300 A @ 60% duty cycle	Mixed Gas	.035 – .052 in. (0.8 – 1.3 mm)	Air	GMAW	Heavy-Duty Fabrication

Ordering Information		
Description	Part Number	Model Number
PullMaster2 Smart PP MIG Gun Assembly 33 ft (10 m)	1027-1417	PMS3333545
PullMaster2 Smart PP MIG Gun Assembly 20 ft (6 m)	1027-1418	PMS3203545
PullMaster2 Standard PP MIG Gun Assembly 33 ft (10 m)	1027-1419	PM3333545
PullMaster2 Standard PP MIG Gun Assembly 20 ft (6 m)	1027-1420	PM3203545

Ordering Information					
Description	Model Number	Part Number	Description	Model Number	Part Number
Teflon Jump Liner f/Flex Tube	PM44FLX116	1644-1091	Contact Tip 1.04 mm (.041 in.) for wire size 0.9 mm (.035 in.)	16PS-35	1160-1535
Teflon Jump Liner f/Rigid Tube 30 deg and 180 deg	PM44PTF116	1644-1092	Contact Tip 1.30 mm (.051 in.) for wire size 1.2 mm (.045 in.)	16PS-45	1160-1537
Bronze Jump Liner f/Rigid Tube (for Steel Wires)	PM44116	1644-1093	Contact Tip 1.63 mm (.064 in.) for wire size 1.2 mm (.047 in.)	16APS-364	1160-1538
10 m/33 ft Conduit Liner Assy. for 1.2 – 1.6 mm (3/64 - 1/16 in.) wire	PM11633	1441-1144	Contact Tip 1.50 mm (.058 in.) for wire size 1.3 mm (.052 in.)	16PS-52	1160-1541
6 m /20 ft Conduit Liner Assy. for 1.2 – 1.6 mm (3/64 - 1/16 in.) wire	PM11620	1441-1145	Nozzle, Straight, Thread-On, Flush, 12.7 mm (1/2 in.)	PMA24-50F	1260-1710
Knurled Drive Roll	EPG103212SKS	2031-2097	Nozzle, Straight, Thread-On, Recessed, 12.7 mm (1/2 in.)	PMA24-50	1260-1711
Cablehoz. assembly 10 m (33 ft)	PM30033	2060-2764	Nozzle, Straight, Thread-On, Flush, 15.9 mm (5/8 in.)	PMA24-62F	1260-1712
Cablehoz. assembly 6 m (20 ft)	PM30020	2060-2765	Nozzle, Straight, Thread-On, Recessed, 15.9 mm (5/8 in.)	PMA24-62	1260-1713
Conductor Tube 30 degree	PMP64EL-30	1642-1141	Nozzle, Straight, Thread-On, Recessed HD, 15.9 mm (5/8 in.)	PMA24H-62	1260-1720
Conductor Tube 180 degree	PMP64EL-180	1642-1140	Nozzle, Straight, Thread-On, Flush, 19.5 mm (3/4 in.)	PMA24-75F	1260-1714
Conductor Tube, Flex Knucklehead™	PMP64SFLX-360	1642-1142	Nozzle, Straight, Thread-On, Recessed, 19.5 mm (3/4 in.)	PMA24-75	1260-1715
Diffuser	PMA54-16S	1543-1106	Nozzle, Straight, Thread-On, Recessed HD, 19.5 mm (3/4 in.)	PMA24H-75	1260-1721





# MXH 315 PP AIR-COOLED MIG GUN

Push-Pull System with great feeding performance

- Designed to ensure optimal ergonomics for various applications
- MXH Push-Pull (PP) welding torches quickly change between straight conductor tube 0° or 45° rotatable conductor tube
- Compatible with most competitive power source/feeder systems, in combination with the Syntronic 3 synchronization device
- Easy wear part system – same rolls for most applications (only AISi wires require wear part change)
- Plug'n'play with Robust Feed U6 (see connection kit section for more details) and 3004 feeder systems using MXH adapters
- Well balanced easy to grip handle to avoid fatigue during hours of use in wide fields of applications
- Stable arc due to the consistent wire feeding even of soft wires



### Specifications

Welding Output*	Gas	Wire Size	Cooled	Process	Application Usage
270 A @ 60% duty cycle 310 A @ 60% duty cycle	Mixed Gas CO <sub>2</sub>	.035 - 1/16 in. (0.8 - 1.6 mm)	Air	GMAW	Heavy-Duty Fabrication

\*The maximum welding current depends on the torch version used, please refer to the type plate on the machine side connector of the torch for applicable data.

### Ordering Information

Description	Part Number	Model Number
Push Pull Air-Cooled MIG Gun – 20 ft (6 m) - EURO	1027-1421	PPMXH315X203545
Push Pull Air-Cooled MIG Gun – 20 ft (6 m) - TWECO	1027-1422	PPMXH315203545
Push Pull Air-Cooled MIG Gun – 20 ft (6 m) - MILLER	1027-1423	PPMXH315M203545
Push Pull Air-Cooled MIG Gun – 33 ft (10 m) - EURO	1027-1424	PPMXH315X333545
Push Pull Air-Cooled MIG Gun – 33 ft (10 m) - TWECO	1027-1425	PPMXH315333545
Push Pull Air-Cooled MIG Gun – 33 ft (10 m) - MILLER	1027-1426	PPMXH315M333545

# MXH 420W PP WATER-COOLED MIG GUN

Push-Pull System with great feeding performance

- Designed to ensure optimal ergonomics for various applications and is robust enough for high duty cycle weld applications
- MXH Push-Pull (PP) welding torches quickly change between straight conductor tube 180° or 45° rotatable conductor tube
- Developed with focus on consistent wire feeding – particularly for challenging welding needs with soft and smaller diameter wires
- Easy wear part system – same rolls for most applications (only AISi wires require wear part change)
- Plug'n'play with Robust Feed U6 (see connection kit section for more details) and 3004 feeder systems using MXH adapters
- Well balanced easy to grip handle to avoid fatigue during hours of use in wide fields of applications



### Specifications

Welding Output*	Gas	Wire Size	Cooled	Process	Application Usage
270 A @ 60% duty cycle 310 A @ 60% duty cycle	Mixed Gas CO <sub>2</sub>	.035 - 1/16 in. (0.8 - 1.6 mm)	Air	GMAW	Heavy-Duty Fabrication

\*The maximum welding current depends on the torch version used, please refer to the type plate on the machine side connector of the torch for applicable data.

### Ordering Information

Description	Part Number	Model Number
Push Pull Water-Cooled MIG Gun – 20 ft (6 m) - EURO	1044-1141	PPMXH420WX203545
Push Pull Water-Cooled MIG Gun – 20 ft (6 m) - TWECO	1044-1142	PPMXH420W203545
Push Pull Water-Cooled MIG Gun – 20 ft (6 m) - MILLER	1044-1143	PPMXH420WM203545
Push Pull Water-Cooled MIG Gun – 33 ft (10 m) - EURO	1044-1144	PPMXH4420WX333545
Push Pull Water-Cooled MIG Gun – 33 ft (10 m) - TWECO	1044-1145	PPMXH420W333545
Push Pull Water-Cooled MIG Gun – 33 ft (10 m) - MILLER	1044-1146	PPMXH420WM333545



## Tweco® STANDARD 600 AMP WATER-COOLED MIG GUN

Suitable for Heavy Duty Fabrication



Standard Options Include:

- Rear Connector
- Standard Conductor Tube – (1664-1106)
- Conduit Liner – 45 Series
- Ergonomic Handle
- Low Bench Weight for easy to handle gun
- Cooling benefits
- Large water lines, threaded water line connections and high water flow rates

Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
600 A @ 100% duty cycle	CO <sub>2</sub>	up to 7/64 in. (2.8 mm)	Water	GMAW, AI	heavy-duty fabrication

Ordering Information					
Tweco Style Rear Connector - Smart					
10 ft. (3 m), 1/16 in. (1.6 mm)		1064-1114	15 ft. (4.6 m), 1/16 in. (1.6 mm)		1064-1116
15 ft. (4.6 m), .045 in. (1.2 mm)		1064-1106			

Adapter kits are available to fit Tweco rear connection to most wire feeders.

## ESAB ST WATER-COOLED MIG GUNS

Suitable for Medium/Heavy Duty Fabrication

- Rated at 600A with any shielding gas
- Handles flux cored wires to 7/64 in. (2.8 mm)
- ST-21M has an in-line body style designed for mechanized applications



Specifications			
	ST-16	ST-21	ST-21M
Gun capacity	600A @ 100% duty cycle	600A @ 100% duty cycle	600A @ 100% duty cycle
Dimensions, LxH	13-3/4 x 4-1/4 in. (350 x 110 mm)	12-1/2x7-1/16 (315x180)	10.25 (260) (length only)
Handle diameter)	1-3/8 in. (35 mm)	1-3/8 in. (35 mm)	1-3/8 (35)
Gun angle	55°	180°	180°
Weight, (less service lines)	28 oz. (794 g)	38 oz. (1077 g)	28 (794)
Cooling requirements	1.6 qt/min (1.5 L/min) minimum	1.6 qt/min (1.5 L/min) minimum	1.6 qt/min (1.5 L/min) minimum
Wires accommodated:			
Hard	.030-3/32 in. (0.8-2.4 mm)	.030-3/32 in. (0.8-2.4 mm)	.030-3/32 in. (0.8-2.4 mm)
Soft	.035-3/32 in. (0.9-2.4 mm)	.035-3/32 in. (0.9-2.4 mm)	.035-3/32 in. (0.9-2.4 mm)
Cored	.030-7/64 in. (0.8-2.8 mm)	.030-7/64 in. (0.8-2.8 mm)	.030-7/64 in. (0.8-2.8 mm)

Ordering Information	
ST-16, 10 ft. (3 m)	997498
ST-21, 12 ft. (3.6 m)	995950
ST-21M, 2 ft. (0.6 m)	690509

Does not include liner/conduits, contact tips/tubes or nozzles.

## Tweco SPOOL GUNS

Suitable for Light/Medium Duty Fabrication



Standard Options Include:

- 8-pin Amphenol Style Connector
- Standard Straight (180°) Conductor Tube
- Holds standard 4" (102 mm) diameter spools
- Optional 30° Rigid Conductor Tube or Knucklehead Flexible Conductor Tube
- Use for aluminum, stainless steel and mild steel applications
- Comfortable pistol-grip handle design
- Three-layer conductor tube construction
- 3-turn potentiometer

Specifications - Light-Duty 160 Amp					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
180 A @ 20% duty cycle	Mixed	up to .035 in. (0.9 mm)	Air	GMAW, AI	light-duty fabrication

Specifications - Medium-Duty 200 Amp					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
200 A @ 60% duty cycle	Mixed	up to .045 in. (1.2 mm)	Air	GMAW, AI	medium-duty fabrication

Ordering Information					
Tweco Style Rear Connector					
160 Amp - 12 ft. (3.6 m), .035 in. (0.9 mm) (Thermal Arc)		1027-1390	160 Amp - 12 ft. (3.6 m), .035 in. (0.9 mm) (Rebel)		1027-1397
200 Amp - 12 ft. (3.6 m), .045 in. (1.2 mm)		1027-1398	200 Amp - 25 ft. (7.6 m), .045 in. (1.2 mm) (standard offering with 4-pin)		1027-1392
200 Amp - 25 ft. (7.6 m), .045 in. (1.2 mm) (Rebel)		1027-1399	200 Amp - 25 ft. (7.6 m), .045 in. (1.2 mm) (Thermal Arc)		1027-1391

## ESAB ST-23A SPOOL GUN

Suitable for Medium/Heavy Duty Fabrication

- Service lines enter the rear of gun instead of handle for improved balance and accessibility
- Inching push button mounted on bottom of handle
- 30 ft. (9 m) service lines
- Uses durable contact tips and nozzles
- Powerful gear motor in handle pulls welding wire from 4 in. (101.5 mm) diameter spool in the molded gun case
- Partial depression of the torch trigger controls gas pre- and post-flow operations - full depression provides wire feeding as well as gas flow
- Wire feed control mounted on gun provides precise adjustment of wire feed rate at torch



Specifications					
Rated Output	Gas	Wire Size	Cooled	Process	Application Usage
250 A @ 100% duty cycle	Mixed	up to 1/16 in. (1.6 mm)	Air	GMAW, AI	medium/heavy-duty fabrication

Ordering Information	
ST-23A Spool Gun	19164

Includes: one 3/64 in. (1.2 mm) contact tip, drive roll, liner, control cable, gas hose and #10 nozzle and 30 ft. (9 m) service lines.



# Tweco® CENTROVAC FUME EXTRACTION MIG GUNS

Air- & Water-Cooled Fume Extraction MIG Guns

- Designed to extract a large volume of fumes at the weld source for light-, medium- and heavy-duty applications
- Removes the smoke cloud to minimize downtime and maximize production uptime by increasing the welder's visibility and efficiency
- Improves work conditions and provides a healthier environment for the welder and coworkers
- Back end design available in multiple connections and adapts to most competitive wire feeders, preventing fumes from reaching the power connection and resulting in less maintenance
- Over 95% of fumes can be removed when using the correct extraction system for the weld application
- Vacuum vent located at the front of the handle allows user to easily adjust extraction rates and help eliminate the possibility of extracting too much shielding gas in tight areas
- Light, well-balanced and ergonomic handle design makes it very comfortable to grip with exceptional articulate motion using a knuckle joint configuration



Specifications	Tweco 260C	Tweco 415C	Tweco 420Cw
<b>Cooling</b>	Air-Cooled	Air-Cooled	Water-Cooled*
<b>Welding Output CO<sub>2</sub>**</b>	250 A at 60% duty cycle	380 A at 60% duty cycle	430 A at 100% duty cycle
<b>Welding Output Mixed Gas***</b>	225 A at 60% duty cycle	325 A at 60% duty cycle	430 A at 100% duty cycle
<b>Recommended Gas Flow</b>	8-12 l/min (17-25 cfh)	10-18 l/min (22-38 cfh)	10-20 l/min (22-42 cfh)
<b>Wire Diameter</b>	.024 in.-.039 in. (0.6-1.0 mm)	.035 in.-1/16 in. (0.8-1.6 mm)	.039 in.-1/16 in. (1.0-1.6 mm)
<b>Certification Mark (Standards)</b>	IEC/EN 60974-7		
<b>Operating Temperature</b>	-10 °C to 40 °C (14 °F -104 °F)		
<b>Cable Length</b>	10 ft (3 m), 15 ft (5 m)***		

\*When using liquid cooled torches in freezing conditions, use an adequate cooling liquid.  
 \*\*Rated using power source with VDE standard volt/amp characteristic (U=14+0.05xI). When pulse welding, reduce rating by 35%.  
 \*\*\*Upon a special request, a 12ft. long Tweco Fume MIG Gun can be ordered.

Ordering Information					
Description	Cooling	10 ft (3 m)		15 ft (5 m)	
		Model Number	Part Number	Model Number	Part Number
Tweco 260C - TWECO	Gas	S260C104045	1026-1108	S260C154045	1026-1110
Tweco 260C - MILLER		S260CM104045	1026-1111	S260CM154045	1026-1113
Tweco 260C - EURO		S260CX104045	1026-1114	S260CX154045	1026-1116
Tweco 415C - TWECO	Gas	S415C104045	1026-1117	S415C154045	1026-1119
Tweco 415C - MILLER		S415CM104045	1026-1120	S415CM154045	1026-1122
Tweco 415C - EURO		S415CX104045	1026-1128	S415CX154045	1026-1130
Tweco 420Cw - TWECO	Water	S420W104045	1026-1133	S420W154045	1026-1135
Tweco 420Cw - MILLER		S420WM104045	1026-1136	S420WM154045	1026-1138
Tweco 420Cw - EURO		S420WX104045	1026-1139	S420WX154045	1026-1141

For wear & spare parts please see separate fact sheet or instruction manual.

# SR-B FAMILY

Multi-Functional and Ergonomic TIG Welding Torches

- SR-B torches are dedicated to quality and designed to provide convenience and versatility.
- Choose between air-cooled or water-cooled, with or without gas-valve and with optional flexible head to suit your individual application
- Ergonomically formed handle with toggle switch
- Cable assembly with swivel cable support on the handle



Specifications	SR-B 9	SR-B 17	SR-B 18	SR-B 20	SR-B 21	SR-B 26	SR-B 26 HD	SR-B 400
<b>Welding Output (10 min)</b>	60% 80 A AC 110 A DC	60% 100 A AC 140 A DC	100% 225 A AC 320 A DC	100% 160 A AC 220 A DC	100% 240 A AC 340 A DC	60% 140 A AC 200 A DC	60% 160 A AC 230 A DC	100% 315 A AC 450 A DC
<b>Electrode Ø</b>	0.5-1.6 mm	0.5-2.4 mm	0.5-4.0 mm	0.5-3.2 mm	0.5-3.2 mm	0.5-4.0 mm	0.5-4.0 mm	1.0-4.8 mm
<b>Cooling</b>	Air-Cooled	Air-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Air-Cooled	Air-Cooled	Water-Cooled

Ordering Information					
Torch	Cooling	OKC 50, 2-pin amphenol plug			
		4 m	8 m	12 m	16 m
SR-B 20	Water-Cooled	0700025534	0700025535		
SR-B 20FX	Water-Cooled	0700025536	0700025537		
SR-B 21	Water-Cooled	0700025544	0700025545	0700025546	0700025547
SR-B 21-R	Water-Cooled	0700025571	0700025572		
SR-B 21FX	Water-Cooled	0700025548	0700025549		0700025558
SR-B 21FX-R	Water-Cooled	0700025573	0700025574		
SR-B 400	Water-Cooled	0700025538	0700025539		
SR-B 400 R	Water-Cooled	0700025575	0700025576		

FX = Flexible head, V = Valve, HD = Heavy Duty, R = Remote



# HELIARC SR TIG TORCHES

- Standard or gas-valve versions
- Selected variants available with flexible heads
- Knurled, rubber coated handle for best grip
- For universal usage –all torches comes with the common back-end connections, OKC 50

Specifications	SR-9 (V)	SR-17 (V)	SR-26 (V/-F)
<b>Welding Output (10 min)</b>	60% 80 A AC / 110 A DC	60% 100 A AC / 140 A DC	60% 140A (AC) / 200A (DC)
<b>Recommended Tungsten Diameter</b>	Up to 1.6 mm (1/16 in.)	Up to 2.4 mm (3/32 in.)	Up to 4.0 mm (5/32 in.)
<b>Cable Lengths</b>	3.8 m (12.5 ft), 7.6 m (25 ft)	3.8 m (12.5 ft), 7.6 m (25 ft)	3.8 m (12.5 ft), 7.6 m (25 ft)
<b>Cooling</b>	Air-Cooled	Air-Cooled	Air-Cooled

Ordering Information					
Type	Handle Type	Back-end Connection	Wear Parts kit Included	3.8 m (12.5 ft)	7.6 m (25 ft)
SR-9	Small	5/8"-18 UNF gas, OKC 50	1/16" Consumables + Tungsten	0700026600	0700026601
SR-9V	Small	5/8"-18 UNF gas, OKC 50	1/16" Consumables + Tungsten	0700026604	0700026605
SR-17	Small	5/8"-18 UNF gas, OKC 50	1/16" Consumables + Tungsten	0700026610	0700026611
SR-17V	Small	5/8"-18 UNF gas, OKC 50	1/16" Consumables + Tungsten	0700026614	0700026615
SR-26	Large	5/8"-18 UNF gas, OKC 50	3/32" Consumables + Tungsten	0700026620	0700026621
SR-26-F	Large	5/8"-18 UNF gas, OKC 50	3/32" Consumables + Tungsten	0700026622	0700026623
SR-26V	Large	5/8"-18 UNF gas, OKC 50	3/32" Consumables + Tungsten	0700026624	0700026625

FX = Flexible head, V = Valve, HD = Heavy Duty, R = Remote

MIG GUNS & TIG TORCHES

MIG GUNS & TIG TORCHES



### REMOTE CONTROLS

#### MTA1 CAN



- CAN based remote control for control panels A2, A4, T4, T6, M2, MA4, MA6, U6, and Aristo U8<sub>2</sub> Plus

**Ordering Information**

MTA1 CAN 0459491880

#### M1



- Analogue standard MIG for control panels M10, M12, M13, M13i, M14 and Warrior Feed
- Stick/TIG: Wire feed and voltage control

**Ordering Information**

M1 0459491895

#### M1 10PROG CAN



- CAN based Synergic MIG for control panels MA6, U6 and AristoPendant U8<sub>2</sub> Plus
- Stick/TIG: Memory 1-10 and voltage trim =/-

**Ordering Information**

M1 10Prog CAN 0459491882

#### AT1 COARSE



- Analogue standard Stick and TIG for power sources with remote outlet – Warrior 400i MV/500i
- Stick/TIG: Current control

**Ordering Information**

AT1 Coarse 0459491896

#### AT1 CAN



- CAN based standard Stick and TIG for control panels A2, A4, T4, T6, U6, U8<sub>2</sub> Plus
- Stick/TIG: Current control

**Ordering Information**

AT1 CAN 0459491883

#### AT1 COARSE/FINE



- Analogue standard Stick and TIG for power sources with remote outlet – Warrior 400i MV/500i
- Stick/TIG: Current control, coarse/fine

**Ordering Information**

AT1 Coarse/Fine 0459491897

#### AT1 COARSE/FINE CAN



- CAN based standard Stick and TIG for control panels A2, A4, T4, T6, U6, U8<sub>2</sub> Plus
- Stick/TIG: Current control, coarse/fine

**Ordering Information**

AT1 Coarse/Fine CAN 0459491884

### REMOTE ADAPTERS FOR CAN BASED SYSTEMS



- For analog Stick and TIG remote controls. For analog MIG remote controls and 3-step program switch RS3

**Ordering Information**

RA 12 for Stick and TIG 0459491910  
 RA T1 TIG remote torch 12 pole<sup>1</sup> 0459491912  
 RA T1 TIG remote torch 10 pole<sup>1</sup> 0459491913

<sup>1</sup>Includes holder and cable.

### REMOTE CONTROLS

#### FOOT CONTROL - GTAW



- Complete with 16.5 ft (5 m) rubber cable and equipped with 12-pole Burndy

**Ordering Information**

FS003-B analog remote 25 ft. (7.6 m) 0558008905

#### REMOTE CONTROL MMA1



- MMA 1 is equipped with 1 potentiometers for current setting
- Includes 33 ft. (10 m) rubber cable equipped with a 12-pole Burndy and a metal hook

**Ordering Information**

MMA1 0349501024

**Ordering Information**

Additional Remote Controls	
HC-3B hand pendant control (cc-Amps/cv-Volts)	33838
TC-2B torch control	33839
FC-5C foot control	0558004234
FC-5B EHD foot control	33841

### TWIST LOCK CONNECTORS

**Ordering Information**

OKC50 Connectors [2 in. (50 mm)]	
Male for 1/0 to 4/0 cable	13792513
Female for 1/0 to 4/0 cable	13735631
Male for #2 AWG to 1/0 cable	13733936
Female for #2 AWG to 1/0 cable	13735632
Quick connector with 1/2 in. threaded stud	13735501
Tee connector (1 male, 2 female)	13792804

### INTERCONNECTION CABLES

**Ordering Information**

10 Pole	
0.8 ft. (0.25 m)	0459960883
16.4 ft. (5 m)	0459960880
33 ft. (10 m)	0459960881
82 ft. (25 m)	0459960882
16.4 ft. (5 m) HD	0459960880
33 ft. (10 m) HD	0459960881
82 ft. (25 m) HD	0459960882
12 Pole	
0.8 ft. (0.25 m) CAN	0459554884
16.4 ft. (5 m) CAN	0459554880
33 ft. (10 m)	0459554881
49 ft. (15 m) CAN	0459554882
66 ft. (20 m) CAN	0459554883
16.4 ft. (5 m) ANALOG 23 p	0459553880
16.4 ft. (5 m) ANALOG 12 p	0459552880
33 ft. (10 m) ANALOG 12 p	0459552881
49 ft. (15 m) ANALOG 12 p	0459552882
82 ft. (25 m) ANALOG 12 p	0459552883



# ELECTRODE HOLDERS

## TwecoTong A-Series

- TwecoTong Electrode Holders are designed to mechanically hold a welding electrode in position
- Reversible Top & Bottom Insulators are easy to replace
- Efficient 6-Position Jaw Patterns
- Ball Point Cable Connections
- Fully Insulated & Protected Springs
- Heavy Duty Copper Alloy



Ordering Information					
Amperage	Body Alloy	Electrode	Cable	Length	Stock No.
200	Copper Alloy	5/32" (4.0 mm)	2/0 (67.4 mm)	8-1/2" (216 mm)	9110-1101
200	Copper Alloy	5/32" (4.0 mm)	2/0 (67.4 mm)	8-1/2" (216 mm)	9110-1109
250	Copper Alloy	3/16" (4.8 mm)	2/0 (67.4 mm)	9-1/4" (235 mm)	9110-1102
250	Copper Alloy	3/16" (4.8 mm)	2/0 (67.4 mm)	9-1/4" (235 mm)	9110-1110
300	Copper Alloy	7/32" (5.6 mm)	2/0 (67.4 mm)	10" (254 mm)	9110-1103
300	Copper Alloy	7/32" (5.6 mm)	2/0 (67.4 mm)	10" (254 mm)	9110-1111
350	Copper Alloy	1/4" (6.4 mm)	4/0 (107 mm)	11" (279 mm)	9110-1104
400	Copper Alloy	1/4" (6.4 mm)	4/0 (107 mm)	12" (305 mm)	9110-1105
500	Copper Alloy	3/8" (9.5 mm)	4/0 (107 mm)	13-1/4" (336 mm)	9110-1106

\* Clamshell packaging. Sold individually or master packed in quantities of 12 each.  
 \*\* Sold in Master Pack Boxed Quantities of 24.

## TwecoTong T-Series

- Ergonomic Handle has 12-degree angle
- Efficient 6-Position Jaw Patterns to hold the welding electrode in position
- Double Ball Point Cable Connections accept up to 2/0 welding cable
- Rugged & Reliable Design with operator appeal
- Designed to meet IEC 60974-11
- Fully Insulated & Protected Springs



Ordering Information					
Amperage	Body Alloy	Electrode	Cable	Length	Stock No.
200	Copper Alloy	5/32" (4.0 mm)	2/0 (67.4 mm)	9-1/2" (241 mm)	9110-1131
250	Copper Alloy	3/16" (4.8 mm)	2/0 (67.4 mm)	9-1/2" (241 mm)	9110-1132
300	Copper Alloy	7/32" (5.6 mm)	2/0 (67.4 mm)	10" (254 mm)	9110-1133

\* Sold in Master Pack Boxed Quantities of 24. \*\* Sold Individually.

## TwecoTite

- Tweco-Tite Electrode Holders with Fully Insulated Body designed for effortless installation of electrodes
- 45 Degree Angled Head holds the welding electrode in place

Ordering Information			
Amperage	Electrode	Cable	Stock No.
400	1/4" (6.4 mm)	4/0 (107 mm)	9110-1105



# GROUND CLAMPS

## EASY FIND GUIDE

Application	Amperage Range									Recommended Model
	200	300	400	500	600	700	800	1500	2000	
Plate	[Bar chart showing applicability for Plate]									FGC 200
	[Bar chart showing applicability for Plate]									FGC 300
	[Bar chart showing applicability for Plate]									FGC 500
	[Bar chart showing applicability for Plate]									SGC 300
	[Bar chart showing applicability for Plate]									SGC 500
Pipe	[Bar chart showing applicability for Pipe]									GC 200
	[Bar chart showing applicability for Pipe]									GC 300
	[Bar chart showing applicability for Pipe]									GC 500
	[Bar chart showing applicability for Pipe]									SMGC 200
	[Bar chart showing applicability for Pipe]									SMGC 300
Rotary	[Bar chart showing applicability for Rotary]									SMGC 600
	[Bar chart showing applicability for Rotary]									GCRG 140
	[Bar chart showing applicability for Rotary]									RG 140
	[Bar chart showing applicability for Rotary]									RG 230
	[Bar chart showing applicability for Rotary]									RG 240
	[Bar chart showing applicability for Rotary]									RG 440
[Bar chart showing applicability for Rotary]									RG 640	

Model	Output			Process			Application				
	Current (Amps)	Jaw Opening	No. of Heads	Cable Connection	Plate	Pipe	Rotary	Light Duty Fab	Med. Duty Fab	Heavy Duty Fab	Extra Heavy Duty Fab
FGC 200	200	2" (50.8 mm)	--	Ball-Point thru 1/0	■			■			
FGC 300	300	3-1/2" (88.9 mm)	--	Ball-Point thru 3/0	■			■	■		
FGC 500	500	3-3/4" (95.3 mm)	--	Ball-Point thru 4/0	■			■	■	■	
SGC 300	300	2" (50.8 mm)	--	1/2" Stud	■			■	■		
SGC 500	500	2" (50.8 mm)	--	1/2" Stud	■			■	■	■	
GC 200	200	3" (76.2 mm)	--	Ball-Point thru 1/0		■		■			
GC 300	300	4" (101.0 mm)	--	Ball-Point thru 3/0		■		■	■		
GC 500	500	5-1/4" (133.0 mm)	--	Ball-Point thru 4/0		■		■	■	■	
SMGC 200	200	--	--	Ball-Point thru 1/0		■		■			
SMGC 300	300	--	--	Ball-Point thru 3/0		■		■	■		
SMGC 600	600	--	--	Ball-Point thru 4/0		■		■		■	
GCRG 140	400	--	1	1 thru 4/0			■		■	■	
RG 140	400	--	1	1 thru 4/0			■		■	■	
RG 230	600	--	1	2 thru 3/0			■			■	
RG 240	800	--	1	2 thru 4/0			■			■	■
RG 440	1500	--	2	4 thru 4/0			■				■
RG 640	2000	--	3	6 thru 4/0			■				■

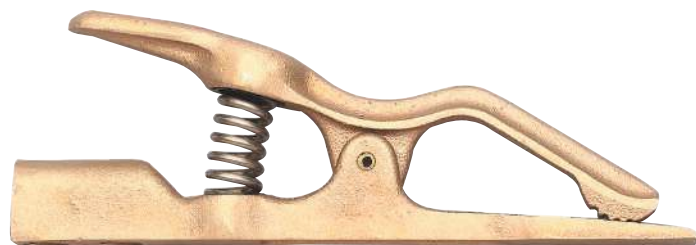


# GROUND CLAMPS

Ideal for most Light to Medium Duty fabrication needs

## Flat Jaw Copper Ground Clamps

- Ideal for plate grounding



Ordering Information				
Amperage	Jaw Opening	Cable	Length	Stock No.
200	5/8" - Depth 2" (15.9 mm - 50.8 mm)	Ball-Point thru 1/0	5" (127 mm)	9205-1320
300	1" - Depth 3-1/2" (25.4 mm - 88.9 mm)	Ball-Point thru 3/0	7-14" (184 mm)	9205-1330
500	1-1/4" - Depth 3-3/4" (31.8 mm - 95.3 mm)	Ball-Point thru 4/0	9-1/4" (234 mm)	9205-1350

## Steel Ground Clamps

- Ideal for plate grounding and lower amperage needs



Ordering Information				
Amperage	Jaw Opening	Cable	Length	Stock No.
300	2" - Depth 1-3/4" (50.8 mm - 44.4 mm)	1/2" Stud Connection	9" (228 mm)	9205-1230
500	2" - Depth 1-3/4" (50.8 mm - 44.4 mm)	1/2" Stud Connection	9" (228 mm)	9205-1250

## Copper Ground Clamps

- Ideal for pipe grounding



Ordering Information				
Amperage	Jaw Opening	Cable	Length	Stock No.
200	1" - Depth 3" (25.4 mm - 76.2 mm)	Ball-Point thru 1/0	6" (157 mm)	9205-1120
300	1-1/2" - Depth 4" (38.1 mm - 101.0 mm)	Ball-Point thru 3/0	8-1/2" (216 mm)	9205-1130
300	2" - Depth 1-3/4" (50.8 mm - 44.4 mm)	Ball-Point thru 3/0	8-1/2" (216 mm)	9205-1131
500	2" - Depth 1-3/4" (50.8 mm - 44.4 mm)	Ball-Point thru 4/0	10" (254 mm)	9205-1150

# GROUND CLAMPS

Ideal for most heavy-duty fabrication needs

## Tweco Roto-Ground Clamps

- Ideal for high amperage grounding
- Highly efficient device for grounding weldments while being rotated on turning rolls or positioners
- The 2" shaft shoulders up to a steel nut which the user welds to the rotating work or fixture
- Tweco Roto-Grounds have no brushes, springs or mercury
- A simple tension adjusting bolt provides maximum efficiency

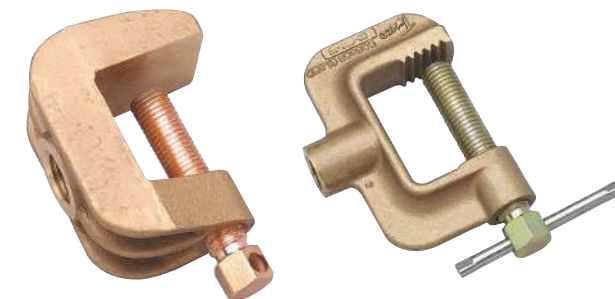


### Ordering Information

Amperage	Cable	Number of Heads	Shaft Stud	Length	Stock No.
400	1 - 4/0	1	3/4" NC	--	9210-1314
400	1 - 4/0	1	3/4" NC	8" (203 mm)	9250-1114
600	2 - 3/0	1	1-1/8" NC	10-1/4" (260 mm)	9250-1123
800	2 - 4/0	1	1-3/8" NC	10-5/8" (270 mm)	9250-1124
1500	4 - 4/0	2	1-3/8" NC	10-5/8" (270 mm)	9250-1144

## Tweco Roto-Work Clamps

- Tweco Roto-Work Ground Clamps are designed primarily to work in conjunction with the Tweco Roto-Ground Device, however they may also be used for other high amperage grounding applications
- The Roto-Ground shaft screws into the tapped back of the Roto-Work Clamp
- The clamp is quickly attached or moved from one rotation weldment or fixture to the other without removing the Roto-Ground from it, saving on welding down time
- Roto-Work Clamps are made from a copper alloy
- They come in 600, 1200 and 2000 ampere capacity
- Number WCRG-2000 has two tightening screws
- Number WCRG-600 works only with No. RG-230 due to its smaller shaft size
- Large tightening screws and ample contact surface area provide cool, efficient operation



### Ordering Information - Tweco Roto-Work Ground Clamps

Amperage	Fits Roto-Ground	Clamp Contact	Throat Height	Throat Depth	Overall Height	Overall Width	Tapped For	Stock No.
600	RG-230	6-1/4 sq in	2-1/2" (63.5 mm)	2-1/2" (63.5 mm)	5-3/4" (146.0 mm)	2-1/2" (63.5 mm)	1-1/8" NC	9255-1106
1200	RG-240/440	9 sq in	3" (76.2 mm)	3" (76.2 mm)	6-3/4" (171.0 mm)	3" (76.2 mm)	1-3/8" NC	9255-1112
2000	RG-440/640	12 sq in	3" (76.2 mm)	3" (76.2 mm)	6-3/4" (171.0 mm)	4" (102.0 mm)	1-3/8" NC	9255-1120

### Ordering Information - Tweco Ground Clamps with Cap Screws

Amperage	Jaw Opening	Cable	Stock No.
500	2-1/2" - Depth 1-3/8" (63.5 mm - 34.9 mm)	1/2" Cap Screw	9210-1150
600	2-1/2" - Depth 1-3/8" (63.5 mm - 34.9 mm)	3/4" Cap Screw	9255-1075
600	2-1/2" - Depth 1-3/8" (63.5 mm - 34.9 mm)	Double Ball-Point	9210-1201
600	2-1/2" - Depth 1-3/8" (63.5 mm - 34.9 mm)	Tweco Male Plug	9210-1202



# GROUND CLAMP ACCESSORIES



### Roto-Ground Accessories

#### Ordering Information

Lubricating Cup	9922-2129
Ball-Point Cable Connection Screw	9910-2424
Special Shaft Lubricant	9900-1123
Fiber Cover Screw	9940-2125



### Tweco Shaft Lubricant Roto-Ground Accessories

- An electrical conductive grease to be used as a lubricant for roto-grounds and may be used when making mechanical connections with copper or aluminum cables
- Effective as a lubricant on sliding or moving electrical contacts such as switches and rotating grounding devices
- Apply generously to contact area from 1 oz (29.6 mL) or 8 oz (237.0 mL) plastic bottles. Reduce electrical resistance by as much as 40 to 50%

#### Ordering Information

1 oz (29.6 mL) Plastic Squeeze Bottle	9900-1123
8 oz (237.0 mL) Plastic Squeeze Bottle	9900-1124



### Work Clamp Adapter

#### Ordering Information

Work Clamp Adapter W/ 1-3/8"-6 UNC 2A OD Thread & 5/8"-11 UNC-2A ID Thread - Fits WCRG-1200 & WCRG-2000 Roto-Work Clamps	9922-2038
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### "C" Type Clamp Parts

#### Ordering Information

Fitting-No.2 Male Plug (threaded 1/2" NC)	9920-2102
Fitting-Double Ball-Point (threaded 1/2"NC)	9920-2103
Cover	9940-2124

# SWITCHABLE MAGNETIC GROUND CLAMPS

### Switchable Magnetic Ground Clamps



#### Ordering Information

Amperage	Height	Width	Length	Weight	Std. Pkg.	Stock No.
200	2.5" (63.5 mm)	1.58" (40.1 mm)	2.19" (55.6 mm)	0.38 lbs	10	9255-1060
300	2.26" (57.4 mm)	1.58" (40.1 mm)	2.7" (68.6 mm)	0.61 lbs	10	9255-1061
600	2.6" (66.0 mm)	2.83" (71.9 mm)	4.09" (103.9 mm)	2.0 lbs	5	9255-1062

### Switchable Magnetic Pick & Pack Lifters & Hooks



- Products to pick, place, slide and reposition steel base metals
- Ideal for small steel handling, dragging sheet, picking and pulling parts out of burn table or handling scrap

#### Ordering Information

Description	Capacity/Power	Stock No.
Switchable Magnetic Lifter Manual 60	Recommended Lift Capacity 60 lbs	9255-1065
Switchable Magnetic Lifter Hook 600	Lift Capacity 200 lbs	9255-1066



# CABLE LUGS

EASY FIND GUIDE						
Style	Amperage Range					Recommended
	50	75	150	225	250	
Crimp Lugs for Welding Cable	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-62
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-120
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-3040
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-40HD
Crimp Lugs for Power Cable	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-810
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-68
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					T-46
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					10-45
Ball-Point Lugs without Insulated Cover	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					10-180
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					40-45
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					40-180
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					10-45C
Ball-Point Lugs with Insulated Cover	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					10-180C
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					40-45C
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					40-180C
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					140-HD-180
Heavy Duty Lugs	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					140-HD-180C
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					240-HD-180
	[Bar chart showing ranges for 50, 75, 150, 225, 250, 325]					

## Crimp Lugs



## Ball-Point Lugs



## Heavy Duty Lugs



# CABLE LUGS

TwecoLugs - Crimp or Solder Type Lugs (Use Tweco "Lug-Set")

TwecoLugs (Crimp Lugs) for Welding Cable

Ordering Information					
Cable	Amp Rating	Stud Hole	I.D. Solder Socket	Std Pkg	Stock No.
6 thru 2	150	17/32" (13.5 mm)	.461" (11.7 mm)	50	9520-1115
6 thru 2	150	17/32" (13.5 mm)	.461" (11.7 mm)	5	9520-1104
1 thru 2/0	225	17/32" (13.5 mm)	.559" (14.2 mm)	50	9520-1116
1 thru 2/0	225	17/32" (13.5 mm)	.559" (14.2 mm)	5	9520-1105
3/0 & 4/0	250	17/32" (13.5 mm)	.660" (16.7 mm)	25	9520-1117
3/0 & 4/0	250	17/32" (13.5 mm)	.660" (16.7 mm)	5	9520-1107
4/0 Heavy Duty	325	21/32" (17.7 mm)	.776" (19.7 mm)	25	9520-1118
4/0 Heavy Duty	325	21/32" (17.7 mm)	.776" (19.7 mm)	5	9520-1109

TwecoLugs (Crimp Lugs) for Power Cable

Ordering Information					
Cable	Amp Rating	Stud Hole	I.D. Solder Socket	Std Pkg	Stock No.
6 thru 8	70	21/64" (8.3 mm)	.289" (7.3 mm)	10	9520-1102
4 thru 6	90	21/64" (8.3 mm)	.347" (8.8 mm)	10	9520-1103

Ball-Point Lugs without Insulated Cover

Ordering Information					
Description	Cable	Amp Rating	Stud Hole	Std Pkg	Stock No.
45° Angle	thru 1/0	150	17/32" (13.5 mm)	1	9515-1100
180° Offset	thru 1/0	150	17/32" (13.5 mm)	1	9515-1102
45° Angle	thru 4/0	325	17/32" (13.5 mm)	1	9515-1110
180° Offset	thru 4/0	325	17/32" (13.5 mm)	1	9515-1112

Ball-Point Lugs with Insulated Cover

Ordering Information					
Description	Cable	Amp Rating	Stud Hole	Std Pkg	Stock No.
45° Angle	thru 1/0	150	17/32" (13.5 mm)	1	9515-1101
180° Offset	thru 1/0	150	17/32" (13.5 mm)	1	9515-1103
45° Angle	thru 4/0	325	17/32" (13.5 mm)	1	9515-1111
180° Offset	thru 4/0	325	17/32" (13.5 mm)	1	9515-1113

Heavy Duty Mechanical Ball-Point Lugs

Ordering Information					
Description	Cable	Amp Rating	Stud Hole	Length	Stock No.
180° Offset	3/0 & 4/0	325	21/32" (16.7 mm)	4-3/8" (111 mm)	9515-1120
With Insulated Cover - 180° Offset	3/0 & 4/0	325	21/32" (16.7 mm)	5-1/2" (140 mm)	9515-1121
180° Offset	3/0 & 4/0	325	21/32" (16.7 mm)	4-5/8" (131 mm)	9515-1122





# CABLE CONNECTORS

## MPC Connectors

- Tweco MPC connectors provide a positive cam action, which optimizes interface between connector halves
- Equipped with heat and oil resistant covers
- Furnished with zinc plated cover and ball-point cable screws
- Interchangeable with older Tweco MBP Connectors
- The Whip Cable Connector is used when down sizing cable to an electrode holder
- It is a No. 2 male connector with cable hole sized to fit 4, 2, 1 or 1/0 cable
- The 2-1-MPC will fit any No. 2 or No. 4 female connector



9425-1400



9425-1210

## MPC Series

Positive-CAM Mechanical Connection - zinc plated type cable & cover screws

Ordering Information				
Description	Type Cable Connection	Cable Capacity	Standard Package	Stock No.
Complete Connection	Single Ball-Point	4, 2, 1	Pkg. 1 ea. Male & Female	9425-1100
Male Half	Single Ball-Point	4, 2, 1	Pkg. 2 ea. Male Only	9425-1110
Female Half	Single Ball-Point	4, 2, 1	Pkg. 2 ea. Female Only	9425-1120
Complete Connection	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 1 ea. Male & Female	9425-1200
Complete Connection	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 1 ea. Male & Female	9425-1201
Male Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Male Only	9425-1210
Male Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Male Only	9425-1211
Female Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Female Only	9425-1220
Female Half	Single Ball-Point	1/0, 2/0, 3/0	Pkg. 2 ea. Female Only	9425-1221
Complete Connection	Double Ball-Point	3/0 or 4/0	Pkg. 1 ea. Male & Female	9425-1400
Complete Connection	Double Ball-Point	3/0 or 4/0	Pkg. 1 ea. Male & Female	9425-1401
Male Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Male Only	9425-1410
Male Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Male Only	9425-1411
Female Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Female Only	9425-1420
Female Half	Double Ball-Point	3/0 or 4/0	Pkg. 2 ea. Female Only	9425-1422
Whip Connection	Single Ball-Point	4, 2, 1, 1/0	Pkg. 2 ea.	9425-1140

\*Sold in Master Pack Boxed Quantities of 48.

\*\*Sold in Master Pack Quantities of 24.

† Clamshell packaging. Sold individually or master packed in quantities of 24 each.

‡ Clamshell packaging. Sold individually or master packed in quantities of 12 each.

## Replacement Tapered Machine Plugs



9505-1800

Ordering Information			
Taper Length	Taper Dimensions	Cable	Stock No.
1-1/8" (28.6 mm)	21/64" to 23/64" (8.3 mm x 9.1 mm)	4 thru 1	9505-1800
1-1/8" (28.6 mm)	21.64" to 23/64" (8.3 mm x 9.1 mm)	1/0 thru 3/0	9505-1801

## Cable Connector Replacement Parts

MPC Series Positive-CAM - Zinc plated type cable & cover screws

Ordering Information	
Description	Stock No.
Insulating Cover Only, All 1-MPC	9940-2103
Insulating Cover Only, All 2 & 4 MPC	9940-2124
Cable Connection Screw, Zinc Plated, All 2-MPC	9910-2124
Cable Connection Screw, Zinc Plated, All 4-MPC	9910-2424
Cover Screw, Zinc Plated, All MPC Connectors	9940-2125



9580-1102



9580-1103

## Panel Receptacles

For use with MPC Connectors

Ordering Information				
Cable Fitting Type	Fits Tweco Connector	For Cable Size	Cable Attachment	Stock No.
Ball-Point	No. 1	4, 2, 1	5/16" Ball-Point (7.9 mm)	9580-1100
Threaded	No. 1	4, 2, 1, 1/0	5/16" Thread. Stud (7.9 mm)	9580-1101
Threaded	No. 2, 4	1/0, 2/0, 3/0	3/8" Thread. Stud (9.5 mm)	9580-1102
Ball-Point	No. 2, 4	1/0, 2/0, 3/0	9/16" Ball-Point (14.3 mm)	9580-1103
Threaded	No. 2, 4	1/0, 2/0, 3/0	1/2" - 20 Thread. Stud (12.7 mm)	9580-1104

# SPLICERS, TERMINALS AND ACCESSORIES

## Copper Cable Splicers



9610-1103

Ordering Information				
Cable	Amp Rating	Tube I.D.	Standard Package	Stock No.
6 thru 2	150	.461" (11.7 mm)	5	9610-1101
1 thru 2/0	225	.599" (15.2 mm)	5	9610-1102
3/0 thru 4/0	250	.660" (16.8 mm)	5	9610-1103
4/0 Heavy Duty	325	.776" (19.7 mm)	5	9610-1104

## TWECO TERMINALS

9505-1152



9510-1100



9510-1101

## Tweco Terminals and TwecoLugs

Tweco Screw-On Terminals Fits Terminal Size 1/2" (12.7 mm) NC

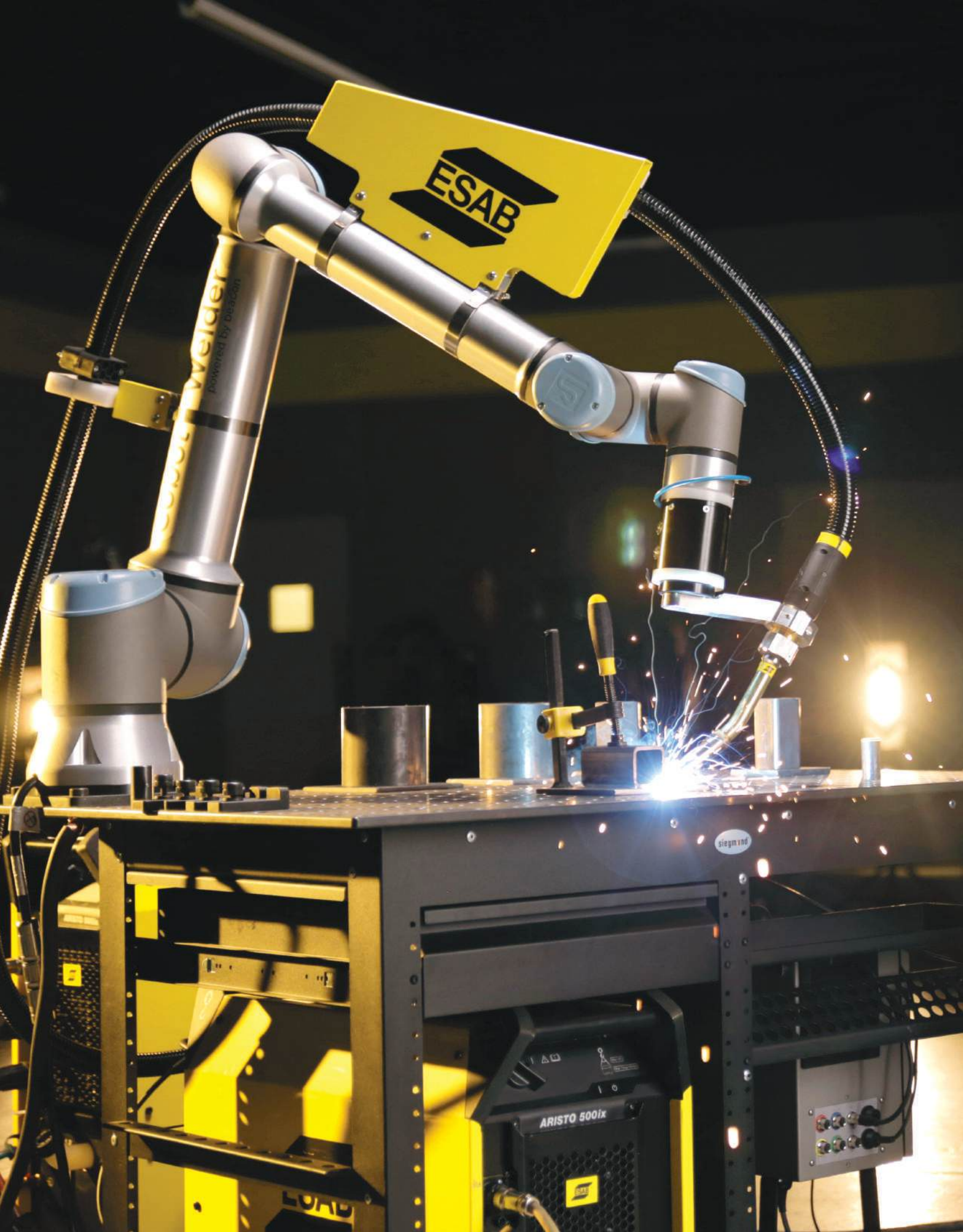
Ordering Information	
Accepts Tweco Connector Number	Stock No.
No. 2 & No. 4 Male Half	9505-1152

## Tweco Female Terminals

Stud Hole Size 17/32" (13.5 mm)

Ordering Information			
Description	Accepts Male Ends	Standard Package	Stock No.
45° Angle	1-MPC	1	9510-1100
180° Offset	1-MPC	1	9510-1101
45° Angle	2-MPC, 4-MPC	1	9510-1110
180° Offset	2-MPC, 4-MPC	1	9510-1111

# ESAB COBOT MADE FOR WELDERS, BY WELDERS



**With ESAB Cobot, there's NO complicated programming. Cobots are made for welders, not programmers, with app-based software that is simple and intuitive. You can get more done, all in a small footprint.**

All you have to do is download the app right to an iOS or Android device from the Apple App Store or Google Play Store. It's cloud-based, so updates happen automatically – without hassle.

#### **This means you can:**

- Track production data in real-time and create charts
- Share part data and weld procedures across multiple Cobots
- Customize playlists to run different parts together in a sequence
- Get notified when certain events happen, such as if there's a protective stop
- Access help in minutes right in the app, as well as how-to videos and blogs
- Take pictures and upload PDFs to store with a part for instructions and quality checks

This all combines to give you increased repeatability and uptime. And if you make a mistake? It's easy to undo. Plus, you can assign roles – like viewer, operator, editor, and manager – to each user, depending on their job.

“ Different operators work at different speeds and approach loading and unloading the fixtures differently. To have that kind of data, especially across different types of components, allows you to dynamically adjust how you run jobs through the shop. ”

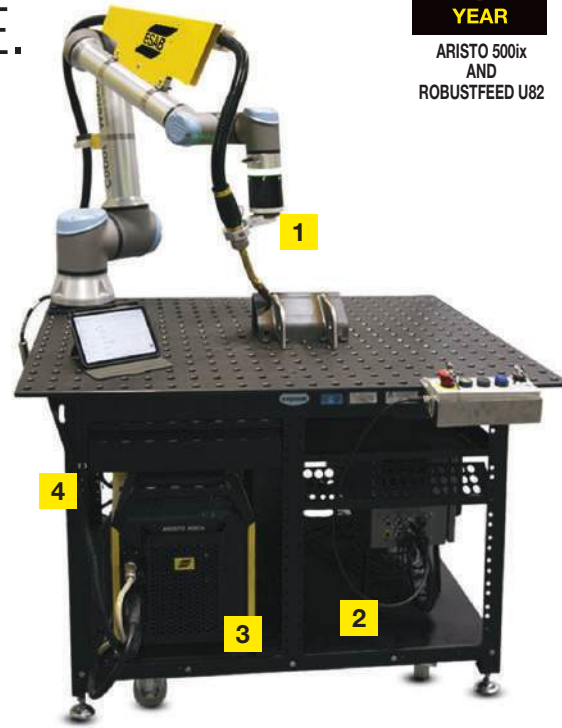
“ It used to be that we needed large run jobs to be able to utilize our robotic solutions, but now we can do it for much smaller runs with the ESAB Cobot. Profitability on our jobs and being able to use an automated solution on jobs that were previously unfeasible for us is a big gain. ”

**Brett Skyvington**, President  
Skyvington Manufacturing Inc.



# INCREASED OUTPUT. WITHOUT MORE MANPOWER. COBOT MAKES IT SIMPLE.

- 1** UR arm with SmartPuck to visualize welds, store settings and control the arm, all on your device
- 2** RobustFeed U82 precision wire drive system connects to app to set memories and change settings
- 3** Aristo 500ix heavy-industrial pulse welding power source offers advanced pulse functionality
- 4** Compact, portable, and easy to use for companies with a high mix of low-volume parts



## WARRANTY

**3**  
YEAR

ARISTO 500ix  
AND  
ROBUSTFEED U82

**2**  
YEAR

UNIVERSAL  
ROBOT

## SPECIFICATIONS

<b>Input Voltage for Cobot</b>	120V – 240VAC 1 ph
<b>Input Voltage for Welding Equipment</b>	380 – 575 V ±10%, 3ph, 50/60 Hz
<b>Internet Requirement</b>	RJ45 Hardline with outbound internet access
<b>Welding Output</b>	<b>Air-Cooled</b>
	Mix 400 A / 60%, 270 A / 100%
	CO2 480 A / 60%, 320 A / 100%
	<b>Water-Cooled</b>
Mix 400 A / 100%	
CO2 400 A / 100%	
<b>Wire Dimensions Mild Steel Stainless Steel Cored Wire Alu- minum</b>	0.8 – 1.6 mm (.030 - 1/16 in.)
	0.8 – 1.6 mm (.030 - 1/16 in.)
	0.8 – 1.6 mm (.030 - 1/16 in.)
	0.8 – 1.6 mm (.030 - 1/16 in.)
<b>Wire Feed Speed</b>	0.8 - 25.0 m/min (30 – 985 ipm)
<b>Wire Spool Capacity</b>	20 kg (45 lbs)
<b>Max Spool Diameter</b>	300 mm (12 in.)
<b>Operating Temperature</b>	-10 - 40°C (14 to 104°F)
<b>Maximum Cobot Arm Reach</b>	1300 mm (51.2 in.)
<b>Dimensions L x W x H, incl. Arm in full upright position</b>	1219 mm x 1042 mm x 2951 mm (48 x 41 x 116.2 in.)
<b>Weight</b>	377 kg (830 lbs.)

## INCLUDES

### Air-Cooled Packages includes:

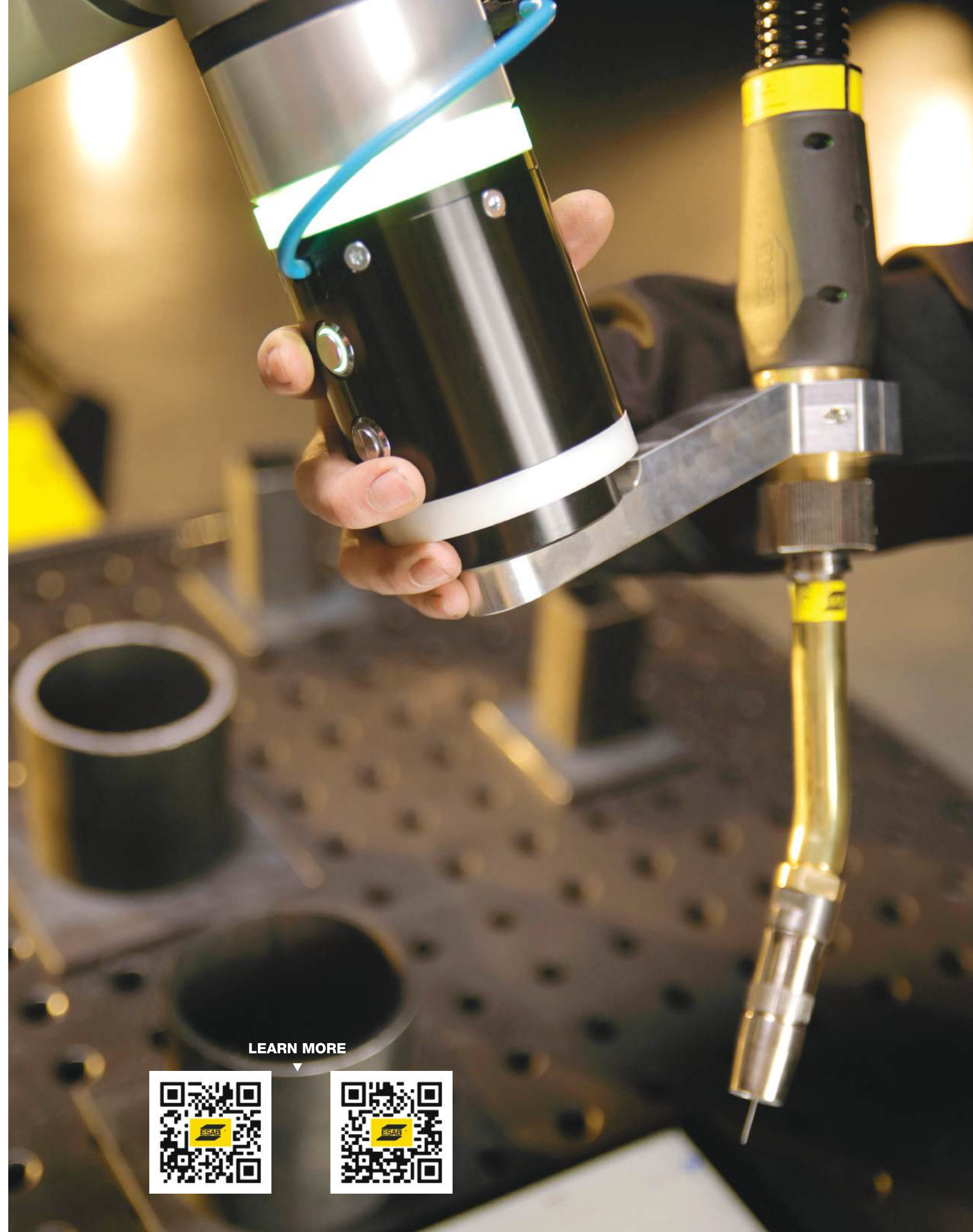
Welding table  
Universal Robot  
Aristo 500ix (0446200881)  
RobustFeed U82 (0445800900)  
Interconnection set  
Air-cooled torch RT 72G (0700300850)  
Torch cable assembly (0700025122)  
Torch mount (0700300422)  
Regulator (Victor EDGE 2.0 ESS32-150-580 (0781-3634)

### Water-Cooled Packages includes:

Welding table, Universal Robot  
Aristo 500ix (0446200881)  
RobustFeed U82 (0445800900)  
Cooling unit  
Interconnection set  
Water-cooled torch RT 72W (0459990225)  
Torch cable assembly (0700025123)  
Torch mount (0700300422)  
Regulator (Victor EDGE 2.0 ESS32-150-580 (0781-3634)

## ORDERING INFO

ESAB Cobot Aristo 500ix Air-Cooled 460V 3 ph	464752010
ESAB Cobot Aristo 500ix Water-Cooled 460V 3 ph	464752020
ESAB Cobot Aristo 500ix Air-Cooled 575V 3 ph	464752012
ESAB Cobot Aristo 500ix Water-Cooled 575V 3 ph	464752022



LEARN MORE



# WELDERS' #1 CHOICE AROUND THE WORLD

ESAB created the world's first covered (stick) electrode in 1904 and has been the leading innovator ever since. Achieve the best with electrodes, wires, rods, fluxes and powders from the strongest brands.



**EXATON**  
AN ESAB BRAND

**AlcoTec**  
AN ESAB BRAND

**STOODY**  
AN ESAB BRAND