



REBEL™



THE **TRUTH** ABOUT REBEL.

YOU DON'T KNOW THE MEANING OF A TYPICAL DAY – WHAT IT'S LIKE TO WORK 9 TO 5 AT A DESK. YOU DON'T KNOW WHERE YOU'LL WIND UP ON YOUR NEXT JOB, BUT YOU DO KNOW THAT YOU'LL HAVE TO BE READY FOR ANYTHING. AND WHEN IT COMES TO WELDING, THAT MEANS ANY PROCESS, ANY POWER, ANY MATERIAL, ANYWHERE, AND EVERY TIME. **MEET REBEL.** THE GO-ANYWHERE, WELD-ANYTHING MACHINE THAT HAS EVERYTHING YOU NEED TO GET THE JOB DONE – START TO FINISH. IT'S ANYTHING BUT TYPICAL.





4x4

ESAB

GET OUT THERE AND WELD SOMETHING.

TRUTH // HIGH PERFORMANCE

Many machines claim they're multi-process, but are little more than a MIG machine in disguise. Rebel is a true multi-process welder, which means whether you're welding MIG, Flux-Cored, Stick – even those tricky 6010 rods – or TIG, Rebel will perform like it was born to run that process.

TRUTH // CRAZY SMART TECHNOLOGY

Whether you've been welding for two years or 20, Rebel can make your job easier with sMIG (smartMIG). For rookies, there's basic mode, which makes setup simple. And for veterans, the exclusive, built-in arc control that constantly monitors your weld and adapts for superior, repeatable welds will truly blow your mind.



ESAB



TRUTH // VERSATILITY

You never know what welding process your next job will require, or what kind of input power you'll have available. That's why we've packed Rebel with the kinds of features that give you the flexibility to go anywhere and weld anything.

TRUTH // UNMATCHED TOUGHNESS

You're on-site, out in the field, and in the shop. So you need a machine that you can move around and that can withstand some serious wear and tear. Rebel can. With a sturdy, five-handle roll cage, steel unibody construction, and IP23S-level protection, it's the go-anywhere machine for a reason.

TRUTH // THE TOTAL PACKAGE

It takes more than a machine to get up and welding. So when you buy a Rebel, you can expect all the equipment you need to get going – right out of the box – and from some of the best names in the industry.

THE MOST INCREDIBLE MACHINE ON-SITE.

TRUE MULTI-PROCESS.*

- Professional-grade MIG performance, including flux-cored
- Excellent Stick performance, including 6010/6011 cellulosic and 308L electrodes
- Exceptional lift TIG performance down to 5A
- Compatible with spool gun for welding aluminum



* Each model is capable of only stated processes. See page 10 for details.

DUAL VOLTAGE.

- Runs on 120V–230V single-phase input power (adapter included)
- Top-level performance across all processes – even on 120V power
- Auto-detect knows what type of input power the machine's connected to
- Runs off a 3.7 KW (120V) or 7.5 KW (230V) generator



LARGE, 4.3-INCH COLOR SCREEN.

- Intuitive LCD/TFT display
- Well protected by front handles and a hefty composite bezel
- Easily switch from one process to the next
- Built-in on-screen manual, spare parts listing, and welding parameters guide
- Multi-lingual capabilities, including English, French, and Spanish

RUGGED CASE DESIGN.

- Five-handle roll cage for easy transport and handling
- Steel unibody housing for increased protection and superior durability
- Recessed body panels for increased strength



READY-TO-WELD.

- Tweco Fusion 180 MIG gun with 10-ft. (3-m) cable
- Spare MIG gun parts kit, including contact tips and drive rolls
- Tweco 200A electrode holder with 13-ft. (4-m) cable
- Four general purpose 6013 Stick electrodes
- ESAB 70S-6 .030 4-in., 2-lb. sample spool
- Tweco TIG torch and accessories
- Tweco ground clamp with leads
- Victor argon flowgauge regulator with 12.5-ft. (3.8-m) gas hose
- 120V and 230V adapter plugs



NEVER-BEFORE-SEEN sMIG TECHNOLOGY.

- Exclusive, built-in dynamic arc control that constantly monitors complex arc characteristics adapting to your technique to provide a smooth, stable arc and superior, repeatable welds
- Produces less spatter and weld defects
- Two modes – basic and advanced

Basic mode reduces the MIG learning curve – set wire diameter and material thickness and you're ready to weld

Advanced mode gives full control to adjust the arc characteristics to your liking

SELECT WIRE DIAMETER



SET MATERIAL THICKNESS



START WELDING AND sMIG DOES THE REST



Note: All contents listed are for the EMP 215ic. Please see other available packages on the last page for a complete listing of bundled accessories for the EMS 215ic (MIG/Stick) and EM 215ic (MIG only) versions.

THE DRIVE TO DO IT ALL.

SOLID CAST ALUMINUM FEEDER.

The design of this cast feeder mechanism increases durability, decreases wire shavings and bird nesting, provides for easy drive roll changes (no tools required), and delivers consistent feeding performance. All in all it has optimized alignment and long-life drive stand components that ensure accurate, smooth wire feeding.

LIGHTWEIGHT.

A 40-pound design makes it easy to carry from jobsite to jobsite.



MULTI-MATERIAL.

Weld steel, stainless, and even aluminum with the optional spool gun.



WELD PARAMETER STORAGE.

Save up to four welding parameters per process; ideal for switching between jobs.

TRIGGER HOLD FUNCTION 2T/4T.

Reduces operator fatigue when MIG or TIG welding.

INFINITE VOLTAGE CONTROL.

Fine-tune the arc characteristic by adjusting the voltage setting.

ADJUSTABLE INDUCTANCE.

Perfect for fine-tuning arc stability and controlling spatter.

ADJUSTABLE BURN-BACK CONTROL.

Prevents wire from sticking in the weld pool or burning back, damaging the contact tip.



ADJUSTABLE ARC FORCE CONTROL.

Optimizes Stick electrode performance and allows the operator to increase the arc voltage for a short period of time to avoid arc outs and “sticking” when the arc is too short.

ADJUSTABLE HOT START CONTROL.

Increases the initial welding current to avoid the electrode sticking to the workpiece; particularly useful for difficult-to-start electrodes.

LIFT TIG ARC STARTS.

Provides TIG arc starts without the use of high frequency. Ideal for the shop or site application where sensitive electronic devices operate.

GAS PRE- AND POST-FLOW TIME ADJUSTMENT.

Purges gas line and prevents porosity at the start and end of welding; especially useful when MIG welding aluminum.

IP23S.

The enclosure is built to protect you and your machine. Designed to a higher standard, Rebel can withstand harsh outdoor environments.



WARRANTY.

Rebel comes backed with a rock-solid, three-year, handle-to-handle warranty and 100-day, 100 percent satisfaction guarantee.



GET TO KNOW THE WHOLE FAMILY.

PROCESS*	EM 215ic	EMS 215ic	EMP 215ic
MIG/Flux-Cored	X	X	X
Stick	N/A	X	X
TIG	N/A	N/A	X

* Each model is capable of only stated processes.

MATERIAL	EM 215ic	EMS 215ic	EMP 215ic
Mild Steel	X	X	X
Stainless Steel	X	X	X
Aluminum – MIG Spool Gun Ready	X	X	X

PACKAGE FEATURES	EM 215ic	EMS 215ic	EMP 215ic
sMIG	X	X	X
4.3-in. Color LCD/TFT Display	N/A	X	X
LED Display	X	N/A	N/A
Ready-to-Weld (all accessories included – including sample filler metals)	X	X	X
120V/230V Dual Voltage Input	X	X	X
Weld Parameter Storage	N/A	X	X
Hot Start (Stick mode only)	N/A	X	X
Arc Force (Stick mode only)	N/A	X	X
Lift Arc (TIG mode only)	N/A	X	X
Trigger Lock (2T, 4T)	N/A	X	X
Voltage Trim Adjustment (MIG mode only)	X	X	X
Inductance Adjustment (MIG mode only)	X	X	X
Burn Back Adjustment (MIG mode only)	X	X	X
Pre-Flow/Post-Flow Adjustment (MIG mode only)	X	X	X

ORDERING INFORMATION	EM 215ic	EMS 215ic	EMP 215ic
Part Number	0558102436	0558102239	0558102240

TECHNICAL DATA	
Current Range	5-150A (120V), 5-240A (230V)
MIG (GMAW) Welding Output	130A/20.5V (120V) @ 20% Duty Cycle 205A/24.3V (230V) @ 25% Duty Cycle
Stick (SMAW) Welding Output	90A/23.6V (120V) @ 40% Duty Cycle 180A/27.2V (230V) @ 25% Duty Cycle
TIG (GTAW) Welding Output	130A/15.2V (120V) @ 40% Duty Cycle 180A/17.2V (230V) @ 30% Duty Cycle
Max Plate Thickness	3/8 in. (12.7 mm)
Protection Class	IP23S
Approvals	CSA E60974-1-00, IEC 60974-1
Generator Size Recommendation	3.7 KW (110V); 7.5 KW (230V)
Weight	40 lbs. (18.2 kg)
Dimensions	H 16 in. x W 9 in. x D 23 in. (H 406 mm x W 229 mm x D 584 mm)
Warranty	3 years – handle to handle; 1 year – torch; 100% satisfaction guarantee



DARE // MAKE THE MOVE TO ESAB. PICK UP THE MOST INCREDIBLE GO-ANYWHERE, WELD-ANYTHING MACHINE MADE BY MAN: REBEL. FIND OUT MORE AT ESAB.COM/DARE.

BUNDLED ACCESSORIES	EM 215ic	EMS 215ic	EMP 215ic
Tweco Fusion 180 MIG gun with 10-ft. (3-m) cable	X	X	X
Spare MIG gun parts kit, including contact tips and drive rolls	X	X	X
Tweco 200A electrode holder with 13-ft. (4-m) cable	N/A	X	X
Four general purpose 6013 Stick electrodes	N/A	X	X
ESAB 70S-6 .030 4-in., 2-lb. sample spool	X	X	X
Tweco TIG torch and accessories	N/A	N/A	X
Tweco ground clamp with leads	X	X	X
Victor argon flowgauge regulator with 12.5-ft. (3.8-m) gas hose	X	X	X
120V and 230V adapter plugs	X	X	X

OPTIONAL ACCESSORIES.

- **Spool Gun** (Part No. 10271397)
Spool Gun 160A 12-ft. (3.6-m) cable, suits 4-in. (100-mm) spools – required for welding aluminum



- **Foot Control** (Part No. W4014450)
Foot control contractor on/off and current control with 8-pin male plug and 15-ft. (4.6-m) cable, for use on EMP 215ic only



- **Basic Utility Cart**
(Part No. 0558102325)
Utility cart accommodates maximum 7-in. (177.8-mm) diameter cylinder



- **Single Cylinder** (Part No. W4015001)
Single cylinder cart accommodates up to 9-in. (228.6-mm) diameter cylinder with accessory drawer plus one parts storage box



- **A Full Line of Personal Protection Equipment (PPE)**



- **A Complete Line of Filler Metals Including:**

- Stick Electrodes
Sureweld
Atom Arc and Atom Arc Acclaim
Arcaloy
- Flux-Cored Wire
Coreshield 15 (E71T-14)
- Solid Wire
Spoolarc 86 (ER70S-6)
AlcoTec Aluminum
AristoRod 12.50
- TIG Rod
ESAB
OK Tigrod



UNRIVALED SERVICE AND SUPPORT.

Rebel, like every ESAB machine, is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with maintenance and upgrading of your machines. Our products are backed with the most comprehensive warranty in the business.

With ESAB, you can be sure that you purchased a machine that will meet your needs today and in the future. Product and process training is also available. Ask your ESAB sales representative or distributor for a complete ESAB solution.

For more information, visit esab.com/dare.

3-YEAR WARRANTY.

ESAB's industry-leading service and support means that if you do need help, you'll be protected by the most comprehensive warranty in the business.



100% SATISFACTION GUARANTEE.

If there's anything – and we mean anything – you're not completely happy with in your first 100 days with your machine, ESAB will make it right, or your money back.



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