

Warrior™ 500i

Powerful, Multi-Process Welder



Warrior 500i with Warrior Feed 304 wire feeder.

Warrior 500i is a reliable, multi-process welding machine designed for heavy-duty productivity with up to 500 Amps delivered with superb arc characteristics.

- Inverter Technology – Warrior brings the outstanding arc performance and energy savings expected from an inverter including increased energy efficiency and more power from a lighter, smaller, and more portable unit at a competitive price
- High Duty Cycle – for long runs across a variety of applications delivering 400 A or 500 A at 60% Duty Cycle
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments
- Easy-to-Use – clear and intuitive user interface for everyone to get started quickly with glove-friendly knobs to make adjustments quick and easy
- Wide input voltage range to support regional requirements

Visit **esab.com** for more information.

Industry

- Automotive
- Transportation
- General Manufacturing
- Heavy Fabrication
- Nuclear
- Aerospace
- Pressure Vessels
- Ship/Barge Building



Warrior™ 500i

Specifications	
Operating temperature	14 – 104° F (-10 – 40° C)
Open circuit power	500 W
Setting range: GMAW/FCAW (MIG) SMAW (Stick) GTAW (DC TIG)	16 – 500 A 16 – 500 A 4 – 500 A
Energy save mode	30 W
Power factor maximum current	92 %
Efficiency maximum current	89 %
Open circuit VAC high	54 V
Enclosure class	IP23
Input Voltage	380/460/575 V, 3 ph, 50/60 Hz -10% / +10%
Duty cycle %	500 A/40 V @ 60% duty cycle 400 A/36 V @ 100% duty cycle
Fuse Slow	32 A
Dimensions L x W x H	28.1 x 12.8 x 18.5 in. (712 x 325 x 470 mm)
Weight	115 lbs. (52 kg)

Ordering Information	USA	CANADA
Description	Part Number	Part Number
Warrior 500i 380/460/575 V, 3 ph, Power Source Only	0465350881	0465350887
Warrior 500i WF 304 6.5 ft. (2 m) Basic Package	0558101759	0561000160
Warrior 500i WF 304 16.4 ft. (5 m) Basic Package	–	0561000161
Warrior 500i WF 304 32.8 ft. (10 m) Basic Package	–	0561000162
Warrior 500i WF 304 6.5 ft. (2 m), SM V450 Gun, RTW	0558101760	0561000155
Warrior 500i WF 304 16.4 ft. (5 m), SM V450 Gun, RTW	–	0561000156
Warrior 500i WF 304 32.8 ft. (10 m), SM V450 Gun, RTW	0558101761	0561000157
Warrior 500i WF 304 49.2 ft. (15 m), SM V450 Gun, RTW	0558101765	
Warrior 500i WF 304 82 ft. (25 m), SM V450 Gun, RTW	–	0561000158
Warrior 500i WF Dual 304, SM V450 Gun	0558102464	–
Warrior 500i WF Dual 304 6.5 ft. (2 m), SM V450 Gun, RTW MigRacer (2-cyl cart)	0558102465	–
Warrior 500i WF 404HD 6.5 ft. (2 m) Basic Package	0558102282	0561000180
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V450 Gun, RTW	0558102283	0561000179
Warrior 500i WF 404HD 6.5 ft. (2 m), #4 Gun, RTW	0558102443	–
Warrior 500i WF 404HD 32.8 ft. (10 m), SM V450 Gun, RTW	0558102284	0561000186
Warrior 500i WF 404HD 49.2 ft. (15 m), SM V450 Gun, RTW	–	0561000182
Warrior 500i WF 404HD 6.5 ft. (2 m), SM V450 Gun, RTW MigRacer (2-cyl cart)	0558102285	–
Warrior 500i WF 404HD 6.5 ft. (2 m), #4 Gun, RTW MigRacer (2-cyl cart)	0558102444	–
Warrior 500i MobileFeed 201AVS, SM V450 Gun Package	0558102391	–
Warrior 500i MobileFeed 301AVS, SM V450 Gun Package	0558101762	0558101762
Warrior 500i 4 Pack (4 power sources)*	0588002034	0588002000
Warrior 500i 6 Pack (6 power sources)*	0588002036	0588002036

* Fused for 460V - specify input voltage when ordering in Canada.

RTW - Ready-to-Weld packages include power source, wire feeder, connection set, regulator/flowmeter, .035/.045 in. (0.9-1.2 mm) feed rolls and 1-cylinder cart. MigRacer packages include 2-cylinder cart. USA packages are pre-wired for 460 V. Canada packages are pre-wired for 575 V.

Basic Packages: USA - for extended reach connection sets and include power source, wire feeder and gun. USA packages are pre-wired for 460 V. Canada - include everything in a RTW package except for the MIG Gun. Canada packages are pre-wired for 575 V.

Warrior™ 500i

Options & Accessories	
Description	Part Number
Warrior Feed 304 Air-Cooled	0465250880
Warrior Feed 304w Water-Cooled	0465250881
Warrior Feed 404HD (Tweco Connection)	0558102235
Warrior Feed Dual 304 (Tweco Connection)	0558101947
Warrior Feed Dual 304 (Euro Connection)	0558101946
Warrior YardFeed 200 Air-Cooled	0459906900
Warrior YardFeed 200w Water-Cooled	0459906901
MobileFeed 201AVS w/meter (Tweco Connection)	0558102194
MobileFeed 201AVS w/meter (Euro Connection)	0558101910
MobileFeed 201AVS w/meter & remote (Euro Connection)	0558101911
MobileFeed 301AVS w/meter (Tweco Connection)	0558102195
Heavy-Duty Cart, 2-cylinder	0558102236
Bracket Kit for Heavy-Duty Cart (0558102236)	0558102310
Swivel Post for Heavy-Duty Cart (Warrior Feed only)	34075
Power Source Wheel Kit	0465416880
Trolley - 4-wheel, 1-cylinder	0465510880
COOL 2 Water Cooler	0465427880
Victor EDGE ESS3-40-580 Ar Single-Stage Regulator/Flowmeter	0781-5120
MiniBoom Counterbalance Device (requires 0460565880, 0461310880 and 0460946880)	0458705880
Remote Outlet Kit for Power Source	0465424880
Remote control AT1	0459491896
Remote control AT1 CoarseFine	0459491897
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 M1	0459491895
Remote Adapter Kit Miggytrac/Railtrac	0465451881
Female gas hose quick-connector	0365803002
Guide pin extension kit	0465508880
Stabilizer kit for Counterbalance Arm	0465509880
Gas Meter (measures gas flow at the gun)	19043
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

Warrior™ 500i

Interconnection Sets

Description	Part Number
Interconnection Cables - 70mm ² , Air-Cooled, 6.5 ft. (2 m)	0459836880
Interconnection Cables - 70mm ² , Air-Cooled, 16.4 ft. (5 m)	0459836881
Interconnection Cables - 70mm ² , Air-Cooled, 32.8 ft. (10 m)	0459836882
Interconnection Cables - 70mm ² , Air-Cooled, 49.2 ft. (15 m)	0459836883
Interconnection Cables - 70mm ² , Air-Cooled, 82 ft. (25 m)	0459836884
Interconnection Cables - 70mm ² , Air-Cooled, 114.8 ft. (35 m)	0459836885
Interconnection Cables - 70mm ² , Water-Cooled, 6.5 ft. (2 m)	0459836890
Interconnection Cables - 70mm ² , Water-Cooled, 16.4 ft. (5 m)	0459836891
Interconnection Cables - 70mm ² , Water-Cooled, 32.8 ft. (10 m)	0459836892
Interconnection Cables - 70mm ² , Water-Cooled, 49.2 ft. (15 m)	0459836893
Interconnection Cables - 70mm ² , Water-Cooled, 82 ft. (25 m)	0459836894
Interconnection Cables - 70mm ² , Water-Cooled, 114.8 ft. (35 m)	0459836895

Compatible Wire Feeders



Warrior Feed 304



Warrior Feed Dual 304



Warrior Feed 404HD



Warrior YardFeed 200



Mobilemaster 201AVS/301AVS

Warrior™ 500i



Arc Force

- Used for SMAW
- Negative Trim = Soft Arc
- Positive Trim = Digging Arc

Inductance

- Used for GMAW Short Arc
- Negative Trim = Crisp
- Positive Trim = Soft

Basic 7018

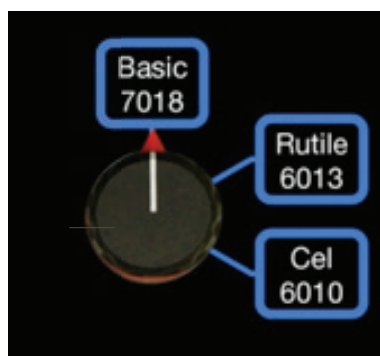
- Slower Response
- Narrower Arc Force
- Less Driving Arc

Rutile 6013

- Medium Response
- Narrower Arc Force
- Less Driving Arc

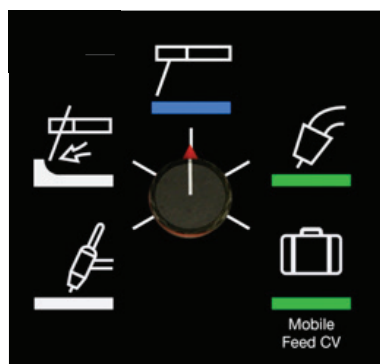
Cel 6010

- Fast Response
- Wider Arc Force
- More Driving Arc



SMAW

- Constant Current
- Conactor "ON" w/ Arc Force



GMAW/FCAW

- Constant Voltage
- Conactor "Remote" w/ Inductance and Short Circuit Termination

MobileFeed CV

- Constant Voltage
- Conactor "ON" w/ Inductance

ACAG

- Constant Voltage
- (Modified) Conactor "ON"

GTAW

- Constant Current
- Conactor "ON" Live TIG Start



ESAB / esab.com

