

# CIGWELD

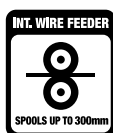
AN **ESAB** BRAND

## WeldSkill 250/350 MIG WELDER



**MIG**

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### WeldSkill 250 MIG Welder

The WeldSkill 250 is a single phase compact power source designed specifically for the handyman or tradesman that requires high quality welding performance. This constant voltage power source is rated at 250 amps @ 20%\*\* duty cycle and provides excellent arc performance with solid or flux cored wires. The unit is suitable for use with either mixed shielding gases, CO2 or gasless operation.

### WeldSkill 4R Wirefeeder

The WeldSkill 4 Roll Wirefeeder is specifically designed for use on both the WeldSkill 250 and 350 Compact power sources. The unit can be easily added to either model power source by simply plugging in and selecting remote mode on the power source.

*(optional)*



## FEATURES

### WeldSkill 250 MIG Welder



**Input Supply**  
240 Volt, 50Hz, 15 Amp Supply Lead fitted to Power Source (190A@20%)  
240 Volt, 50Hz, 25 Amp Supply Lead required (250A@20%)\*\*



**Current Range**  
Current Range for this Power Source is 50-270A\*\* of DC Welding Output.



**MIG (GMAW / FCAW): 250 @ 20%\*\***  
0.6-1.2mm: Solid MIG Wires &  
0.8-1.2mm Flux Cored MIG Wires  
0.9-1.2mm: Aluminium MIG Wires  
0.8-1.2mm: Stainless Steel MIG Wires

### WeldSkill 350 MIG Welder



**Input Supply**  
415 Volt, 50Hz, 16 Amp Supply Lead  
Fitted to Power Source



**Current Range**  
Current Range for this Power Source is 35-380A of DC Welding Output.



**MIG (GMAW / FCAW): 350 @ 30%**  
0.6-1.6mm: Solid MIG Wires &  
0.8-1.6mm Flux Cored MIG Wires  
0.9-1.2mm: Aluminium MIG Wires  
0.8-1.2mm: Stainless Steel MIG Wires



**Adjustable Burnback Control**  
Adjusts stick-out and prevents wire from burning back



**Euro Torch Connection**  
Supplied with Fusion 250 MIG Torch on the 250 unit & Fusion 400 on the 350 unit



**Wire Type**  
Suitable for Gas and Gasless Wires



**2T/4T Torch Trigger Modes**  
In 2T mode, the torch trigger must remain depressed for the welding output to be active. 4T mode of welding is mainly used for long welding runs to reduce operator fatigue.



**Heavy Duty**  
Robust Construction for Harsh Environments



**AS Compliance**  
Fully compliant to AS 60974.1-2006  
Enclosure rated to IP21S



**Spot Mode**  
Spot welding is used to weld two thin plates together at a desired location by melting the top and bottom plates together to form a nugget between them. The weld time is set by the Spot Time.



**Over Temperature Protection**  
Cut out protection has been fitted to the power source.



**Warranty**  
1 Year Limited Warranty\*  
\*Refer to operating manual for further details



**Integrated Wire Feed Unit**  
Spools up to 15kg or 300mm  
4 roll drive system



**Remote Wirefeeder**  
Optional 4 Roll Wirefeeder available  
c/w 8m Interconnection Lead

\*\*With upgraded 4.0mm Supply Lead and 25A Supply Plug. Note: In order to achieve the maximum rated output & duty cycle ratings refer to Section 3.04 in the Operating Manual.

# WeldSkill 350 MIG Welder

The WeldSkill 350 combines all the features of the WeldSkill 250 with higher output capabilities. This three phase compact power source is rated at 350 amps @ 30% duty cycle and provides excellent arc performance with solid or flux cored wires. The unit is suitable for use with either mixed shielding gases, CO2 or gasless operation.



## SPECIFICATIONS

	WELDSKILL 250 MIG	WELDSKILL 350 MIG	
Plant Part Number	W1004500	W1004600	
Power Source Weight	100kg	112kg	
Plant (Package) Weight	125kg	149kg	
Power Source Dimensions	H 1050mm x W 470mm x D 1020mm	H 1050mm x W 470mm x D 1020mm	
Cooling	Fan Cooled	Fan Cooled	
Standards	AS 60974.1-2006 / IEC 60974-1 & AS1674	AS 60974.1-2006 / IEC 60974-1 & AS1674	
Number of Phases	1	3	
Nominal Supply Voltage	240V +/- 10%	415V +/- 10%	
Nominal Supply Frequency	50Hz	50Hz	
Energy Input	This Column applies to the Factory Fitted 2.5mm <sup>2</sup> (20A) Primary Lead with 15A Supply Plug.	This Column applies to a 4.0mm <sup>2</sup> (25A) Primary Lead with a 25A Supply Plug.	Factory fitted 15 Amp input lead and is designed for a 415 VAC supply voltage.
Welding Current Range	50-190A,	50-270A	35-380A
Effective Input Current (I <sub>1eff</sub> )	15A	24A	14A
Maximum Input Current (I <sub>1max</sub> )	33A	54A	25A
Generator Requirement	8kVA	13kVA	18kVA
MIG (GMAW)	190A @ 20%, 23.5V	250A @ 20%, 26.5V	350A @ 30%, 31.6V
Welding Output, 40°C, 10 min.	110A @ 60%, 19.5V 85A @ 100%, 18.3V	144A @ 60%, 21.2V 112A @ 100%, 19.6V	250A @ 60%, 26.3V 205A @ 100%, 24.4V
Number of Output Voltage Switch Settings	12	24	
Protection Class	IP21S	IP21S	

	WELDSKILL 4R WIREFEEDER
Wirefeeder Plant Part Number	W3000401
Wirefeeder Plant Dimensions	H 490mm x W 420mm x D 670mm
Wirefeeder Plant Weight	25kg
Minimum Wire Speed	2 m/min
Maximum Wire Speed	22 m/min
Interconnection Control Plug	12 pin
Interconnection Lead Length	8 metre



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## WeldSkill 250 / 350 MIG

### PACKAGE CONTENTS

#### WeldSkill 250 MIG Welder Plant

WeldSkill 250 MIG Power Source (Compact)

Tweco Fusion 250 MIG Torch 3.6m, Work lead 3m

Regulator/Flowmeter (Aust & NZ Only)

Cylinder Chain, 200mm Spool Adaptor

Feed Rolls: 0.9/1.2mm V Groove (Fitted)

Contact Tips: 0.8mm, 0.9mm (Fitted), 1.0mm, 1.2mm

Shielding Gas Hose Assembly

#### WeldSkill 350 MIG Welder Plant

WeldSkill 350 MIG Power Source (Compact)

Tweco Fusion 400 MIG Torch 3.6m, Work Lead 3m

Regulator/Flowmeter (Aust & NZ Only),

Cylinder Chain, 200mm Spool Adaptor,

Feed Rolls: 0.9/1.2mm V Groove (Fitted)

Contact Tips: 0.8mm, 0.9mm (Fitted), 1.0mm, 1.2mm

Shielding Gas Hose Assembly

#### WeldSkill 4R Wirefeeder

WeldSkill 4R Wirefeeder

8m Interconnection Lead (Fitted)

200mm Spool Adaptor, Feed Roll, 0.9/1.2mm V Groove (Fitted)

Shielding Gas Adaptor

### ORDERING INFORMATION

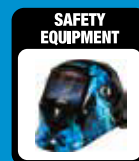
WeldSkill 250 Plant Part No: W1004500

WeldSkill 350 Plant Part No: W1004600

WeldSkill 4R Wirefeeder Part No: W3000401

OPTIONAL ACCESSORIES	250	350
Nozzle Adjustable 13mm (Pkt of 2)	●	OTW22/50/R
Nozzle Adjustable 16mm (Pkt of 2)	●	OTW22/62/R
Nozzle Adjustable 13mm (Pkt of 2)	●	OTW24A/50/R
Nozzle Adjustable 16mm (Pkt of 2)	●	OTW24A/62/R
Contact Tip 0.6mm (Pkt of 10)	●	OTW14/23/R
Contact Tip 0.8mm (Pkt of 10)	●	OTW14/30/R
Contact Tip 0.9mm (Pkt of 10)	●	OTW14/35/R
Contact Tip 1.0mm (Pkt of 10)	●	OTW14/40/R
Contact Tip 1.2mm (Pkt of 10)	●	OTW14/45/R
Contact Tip 0.8mm Tapered (Pkt of 25)	●	OTW14T/30
Contact Tip 0.9mm Tapered (Pkt of 25)	●	OTW14T/35
Contact Tip 1.2mm Tapered (Pkt of 25)	●	OTW14T/45
Contact Tip 0.9mm Heavy Duty (Pkt of 25)	●	OTW14H/35
Contact Tip 1.0mm Heavy Duty (Pkt of 25)	●	OTW14H/40
Contact Tip 1.2mm Heavy Duty (Pkt of 25)	●	OTW14H/45
Contact Tip 1.6mm Heavy Duty (Pkt of 25)	●	OTW14H/116
Insulator (Pkt of 2)	●	OTW32/R
Insulator (Pkt of 2)	●	OTW34A/R
Diffuser (Pkt of 2)	●	OTW52/R
Diffuser (Pkt of 2)	●	OTW54A/R
Tweco Conduit Liner 0.8-0.9mm Hard Wire	●	OTW42/3035
Tweco Conduit Liner 1.0-1.2mm Hard Wire	●	OTW42/4045
Tweco Conduit Liner Nylon 0.9-1.2mm Soft Wire	●	OTW42N/3545
Tweco Conduit Liner 4.5M 0.9-1.2mm Hard Wire	●	OTW44/3545
Tweco Conduit Liner 4.5M 1.6mm Hard Wire	●	OTW44/116
Tweco Conduit Liner Nylon 0.9-1.2mm Soft Wire	●	717347
Feed Roll 0.6/0.8mm V Groove	●	7977729
Feed Roll 0.9/1.2mm V Groove	●	7977703
Feed Roll 1.2/1.6mm V Groove	●	7977346
Feed Roll 0.8/ 0.9mm U Groove	●	7977733
Feed Roll 1.0/1.2mm U Groove	●	7977730
Feed Roll 1.2/1.6mm U Groove	●	7977348
Feed Roll 0.8/0.9mm V Knurled	●	7977734
Feed Roll 1.2/1.6mm V Knurled	●	7977347
Tweco Fusion 250 MIG Torch, 3.6m, Euro	●	OTWF212X3035
Tweco Fusion 400 MIG Torch, 3.6m, Euro	●	OTWF412X3545
CutSkill Preset Argon Regulator / Flowmeter Vertical Inlet	●	201030
CutSkill Preset Argon Regulator / Flowmeter Side Inlet	●	201031
WeldSkill Regulator/Flowmeter, 55LPM, 2 Gauge	●	210254
WeldSkill Welding Helmet - Blue	●	454305
WeldSkill Welding Helmet - Carbon Fibre Graphic	●	454314
WeldSkill Welding Helmet - Flaming Skull	●	454335
WeldSkill Welding Helmet Pink Lady	●	454336
WeldSkill Heavy Duty Welding Gloves	●	646755
MIG Pliers	●	WSPLIER
Wire Brush Steel Bristle 4 Row	●	646363
Heavy Duty Backpack	●	W4018001

### WE RECOMMEND GENUINE CIGWELD PRODUCTS



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