



**Lincoln  
49JR57**



**Miller  
6DLX2**



**TIG Welders**

Series	Welder Kit Package	Includes
<b>Esab</b> Renegade ES 300i	Power Source Only	Power Source Only
<b>Lincoln Electric</b> Invertec V155-S	Stick/TIG Package	Carry Suitcase, Consumables Kit for PTA-17 TIG Torch (KP508), Gas Regulator, PTA-17V TIG torch with Ultra-Flex cable and Twist Mate adapter, Stick electrode holder & 10 ft cable with Twist Mate plug, Work clamp and 10 ft cable with Twist Mate plug 10 ft Work Cable & Clamp, Foot Ampctrl with 25 ft Cable Assembly (K870), Gas Regulator with
Precision TIG 225	TIG Package w/Foot Control	Hose, PTA-17 150 A TIG torch with 1-Piece 12 ft Cable & Twist Mate Adapter
Square Wave TIG 200	Stick/TIG Package w/Foot Control	200A Stick Electrode Holder, Foot Ampctrl with 25 ft Cable & 6-Pin Connector (K870), Gas Regulator/Flowmeter & 10 ft. (3 m) Gas Hose Kit, Ground Clamp and Cable, PTA-17F TIG Torch Ready Pak with 12.5 ft 1-Piece Cable (K1782-14)
<b>Miller Electric</b> Diversion 180	TIG Package w/Foot Control	12 ft (3.7 m) work cable with clamp, 12.5 ft (3.8 m) Weldcraft A-150 TIG torch, Regulator/flow gauge and gas hose, RFCS-RJ45 remote foot control (300432)
Dynasty 400	TIG Package w/Foot Control & Water Cooler	Coolant (4 one-gallon bottles of 043810), Coolmate 3.5, RFCS-14HD remote foot control and receiver (194744), Runner Cart, Weldcraft W-375 torch kit and accessories (301268)
Syncrowave 300	TIG Package w/Foot Control & Water Cooler	Coolant, Coolmate 3S, RFCS-14HD Remote Foot Control and Receiver, Running Gear, Weldcraft W-280 Torch Kit

Welding Processes	Input Voltage (Nominal)	Stick Welding Maximum Output Current	Rated Output @ Duty Cycle	Phase	Input Frequency	Polarity	Welder Kit Package	Item No.	
<b>ESAB</b> Renegade ES 300i Series	Stick Welding (SMAW), TIG Welding (GTAW)	480V, 208V	300 A	250 A @ 60%, 200 A @ 100%, 300 A @ 40%	Single-/Three-Phase	50/60 Hz	DC	Power Source Only	54RZ63
<b>Lincoln Electric</b> Invertec V155-S Series	Stick Welding (SMAW), TIG Welding (GTAW)	240V, 120V	155 A	145 A @ 30%, 75 A @ 100%, 100 A @ 30%, 100 A @ 100%	Single-Phase	50/60 Hz	DC	Stick/TIG Package	49JR57
<b>Precision TIG 225 Series</b>	Stick Welding (SMAW), TIG Welding (GTAW)	240V, 208V	230 A	110 A @ 60%, 130 A @ 40%	Single-Phase	60 Hz	AC/DC	TIG Package w/Foot Control	5JPJ1
<b>Square Wave TIG 200 Series</b>	Stick Welding (SMAW), TIG Welding (GTAW)	240V, 120V	170 A	100 A @ 40%, 125 A @ 25%, 130 A @ 60%, 85 A @ 60%, 200 A @ 25%, 160 A @ 40%	Single-Phase	50/60 Hz	AC/DC	Stick/TIG Package w/Foot Control	54RY17
<b>Miller Electric</b> Diversion 180 Series	TIG Welding (GTAW)	240V, 208V, 120V	180 A	150 A @ 20%, 125 A @ 35%, 180 A @ 10%	Single-Phase	50/60 Hz	AC/DC	TIG Package w/Foot Control	6DLX2
<b>Dynasty 400 Series</b>	Air Carbon Arc Cutting and Gouging (CAC-A), Stick Welding (SMAW), TIG Welding (GTAW)	575V, 480V, 240V, 208V, 400V	400 A	250 A @ 60%, 300 A @ 60%	Single-/Three-Phase	50/60 Hz	AC/DC	TIG Package w/Foot Control & Water Cooler	53JR18
<b>Syncrowave 300 Series</b>	Stick Welding (SMAW), TIG Welding (GTAW)	480V, 240V, 208V	300 A	210 A @ 60%, 175 A @ 100%, 300 A @ 30%	Single-/Three-Phase	50/60 Hz	AC/DC	TIG Package w/Foot Control & Water Cooler	55XC13



**Lincoln  
6JDT0**



**TIG Torch Kits**

TIG torch heads have a rigid neck without a gas valve.

**Lincoln Electric**—Kits come in a handy carrying case.

**Miller Electric**—Water-cooled models provide around-the-head cooling to reduce overheating for long torch life.

Maximum Torch Current	TIG Torch Series	For Max. Electrode Dia.	Power Cord Construction	Duty Cycle	Includes	Item No.
150 A	PTA-17	5/32 in	1-Piece	60 %	Carrying Case, Consumables Kit, Harris Flowmeter/Regulator with 10 ft. Gas Hose, Twist-Mate Adapter, Work Clamp & Cable	6JDT0
<b>Water-Cooled</b>						
250 A	PTW-20	1/8 in	2-Piece	60 %	Carrying Case, Consumables Kit, Harris Flowmeter/Regulator with 10 ft. Gas Hose, Twist-Mate Adapter, Water Hose Coupler & Water Hoses, Work Clamp & Cable	6JDT1
<b>Miller Electric</b>						
<b>Water-Cooled</b>						
250 A	W-250	1/8 in	3-Piece	100 %	50mm Dinse-Style Connector, Cable Cover, Gas Lens Kit for Water-Cooled Torches (AK4GL), Regulator/Flowmeter with 5 ft Gas Hose, Work Clamp with 15 ft Cable	5GWJ4



**Ceriated, Gray  
31GH63**



**Tungsten Electrodes**

Dia.	AWS Classification	Welding Current Designation	Miller Electric Item No.	Miller Electric Pkg. Qty.	Uniweld Item No.	Uniweld Pkg. Qty.	Westward Item No.	Westward Pkg. Qty.
2%	Lanthanated, Blue							
5/32 in	EWLa-2	AC/DC	22UM21	10	5KH61	10	—	—
<b>Ceriated, Gray</b>								
1/16 in	EWCe-2	AC/DC	6LGU6	10	—	—	31GH63	10
5/32 in	EWCe-2	AC/DC	6ETP7	10	—	—	31GH69	10
1/8 in	EWCe-2	AC/DC	6ETP8	10	—	—	31GH66	10
<b>Pure Tungsten, Green</b>								
5/32 in	EWP	AC	6LGU2	10	5KH55	10	31GH95	10
1/8 in	EWP	AC	6LGU3	10	5KH56	10	31GH92	10
<b>Rare Earth, Light Blue</b>								
5/32 in	EWG	AC/DC	6ETR7	10	5KH58	10	—	—
<b>Thoriated, Red</b>								
5/32 in	EWTh-2	AC/DC	—	—	5KH52	10	49H754	10
1/8 in	EWTh-2	AC/DC	—	—	5KH53	10	49H753	10



**Tungsten Electrode Grinder**

For diamond grinding, flattening, and notching your tungsten electrodes. An enclosed grinding area captures nearly all the excess tungsten electrode dust for safe and easy disposal. Handles tungsten diameters from 0.040" to 3/16" (1.0mm to 4.8mm).



Voltage	Input Frequency	Horsepower	Nameplate RPM	Electrode Dia. Range	Minimum Electrode Length	Item No.
110/230V AC	50/60 Hz	1/8 hp	1,700 RPM	0.04 in to 0.1875 in	1 3/4 in	54PD31