











Thermite Welding Tools (Complete Kit)

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Subject	Supplier	Pricing	Lead-Time	Part Number	Description	Picture
Thermite Tool Kit	E-Railspot			CPKCW001	Complete set of tools required to complete a thermite weld	
Supervisors Weld Auditing Kit	Industry Railway Supplier			LMT06	3-Piece kit includes 36" straightedge, 8" notched straightedge, graduated 0.150" taper gauge, carrying bag	




The following items are part of the thermite welding kit but are also available independently.

Rail Alignment and Preparation Tools


Subject	Supplier	Pricing	Lead-Time	Part Number	Description	Picture
Rail Alignment Plates	Industry Railway Supplier			LMT06	Set of two alignment plates, works on wood and concrete ties.	
Steel Wedges	Industry Railway Supplier			XX220	Offset wedge	
Magnetic Straightedge (Pandrol)	PANDROL			RAP1000 DO NOT SUBSTITUTE	36-inch reinforced magnetic with adjustable knobs for crowning and checking and horizontal rail alignment. 1. Graduated setting wheel 2. Adjustable stands with knurled nuts 3. Magnet to hold the edge 4. Straight edge marking for traceability <u>Easiest to use</u>	
Short Straightedge (Starrett)	Industry Railway Supplier			STD51456	18-inch for checking sides of rail base (cut into two -9 inch lengths)	
Taper Gauge	Industry Railway Supplier			STD51292	.01" to .15" and .3 mm to 4mm graduated steel taper gage. Starrett #270.	
Tape Measure	Industry Railway Supplier			IRS141	25 foot measuring tape with magnetic end.	
Wire Brush	Industry Railway Supplier			WE125150	Long Handle	
Carbide File	Industry Railway Supplier			CAR1424HR	File molds to fit - flat/round ends. 14" long half-round and half-flat carbide file with grit and with hand hold in middle	
White Metal Marker	Industry Railway Supplier			MAA96960	White liquid paint marker (box of 12)	




Preheating Tools

Preheat Torch Handle (Victor)	Interstate Sale LLC			Victor HD310C	Required to ensure proper preheat. Use with Victor rectangular preheat nozzle shown below	
Preheat Torch	PANDROL			25410000	Railtech/Pandrol model (black stem/tip - for use on standard 1-inch, wide gap, and head repair welds) Do not use the "BRASS Tip" Victor TWNS preheat torch for head repair welds.	
Oxygen Regulator	Interstate Sales LLC			Victor SR450D DO NOT SUBSTITUTE	Victor Oxygen regulator	
Propane Regulator	Interstate Sales LLC			Victor SR461B Propane DO NOT SUBSTITUTE	Victor Propane regulator	
Oxy-fuel Hose	Interstate Sales LLC			Available in 50 ft 75 ft 100 ft	Twin Welding Hose. Grade T - 3/8 inch Must be Grade "T" for use with propane gas	
Flashback arrestors (Victor)	Interstate Sales LLC			Vic FB-1 0656-0001	Torch mounted for use with oxy-propane compressed gas operation.	
In-line Gauges	Interstate Sales LLC			PTAC130S DO NOT SUBSTITUTE	In-line pressure gauges (heavy duty)	

Temp-stick	Industry Railway Supplier			MAA86769	450° F for monitoring preheat at pre-marked location on the rail base. Box of 12	
Infrared Thermometer	Industry Railway Supplier			IRS301	Used to check minimum takedown temps (1600° F)	
Large Timer	GexPro			950729	Lakeshore timer. Large for easy viewing. Magnetic back for application onto work truck box or rail for convenience. Easy reset for preheating, tap time, breakdown timing. Timer measures 3 3/4" x 7 3/4"	

Preventive/Miscellaneous

Bolt-hole deburring Tool Kit (items can be ordered separately)	Industry Railway Supplier			XX039	The kit includes a 1" square drive, a quick-release chuck with a 5/8"-11 threaded hex bit, and an abrasive plug/bull nose grinding stone that measures 2" in diameter by 3" thick with a 5/8"-11 threaded arbor hole suitable for electric, pneumatic, and hydraulic drills.	
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Welding Blanket (3ft x 3ft)	Track-Weld Ind			WB-100	Used to cover molds immediately after shearing to slow the cooling rate of the weld. Use as per thermite installation welding instructions.	
Welders Kneeling Pad	ColdGon			BM818	ColdGon Boxmate Kneeling Pad 1.5" x 8" x 18"	
Wind Gauge (Anemometer)	Industry Railway Supplier			EXT45118	Digital meter to register wind speed for high risk fire danger. This digital anemometer is a more advanced wind meter that depicts air velocity/ wind speed, wind chill and temperature on an LCD screen. It can operate in winds from 2.5 to 44.7 MPH with a temperature rating of 0-122 degrees Fahrenheit.	

END OF KIT