



PLASMA TORCH RANGE



The Thermamax Plasma range is built for balance, comfort, and control. Each torch features a contoured, ergonomic handle that ensures a natural, relaxed hold. The low cable exit enhances maneuverability, while the carefully angled design keeps the wrist in a neutral position — reducing strain and delivering maximum comfort during use.

TORCH HEAD

Engineered with superior heat resistance and durable construction designed for heavy-duty use.

TRIGGER

Built with precision for responsive, reliable arc starts — tested for durability to handle heavy-duty operation

HANDLE (ERGONOMIC GRIP)

The Thermamax PLASMA Torch handles are designed with a contoured shape.

Manufactured for comfort and control, they reduce operator fatigue during long cutting sessions.

The ergonomically designed handle provides a secure, balanced hold for precise torch movement..

SHIELD CUP

Robust design that protects critical components while ensuring optimum airflow and torch performance.

CABLE EXIT

Reinforced design that reduces strain on the cable, enhancing flexibility and extending service life.

NOZZLE

Precision-machined for consistent, accurate cutting performance and long service life.

ELECTRODE

Manufactured from high-grade materials to ensure stable arcs, reliable conductivity, and durability under extreme conditions.

CABLE ASSEMBLY

Heavy-duty construction for consistent power delivery, with premium insulation for safety and longevity.



Typical handle construction.



A81 PLASMA TORCH



THERMAMAX A81 PLASMA CUT TORCH SPARES

DIFFUSER

CODE	DESCRIPTION	
43-518100-11	Diffuser	

ELECTRODE

CODE	DESCRIPTION	
43-510193-11	Long life electrode	

AIR DIFFUSER

CODE	DESCRIPTION	
43-510194-11	Air Diffuser	

CUTTING TIPS

CODE	DESCRIPTION	
43-518103-11	Cutting Tip 1.0mm	
43-518104-11	Cutting Tip 1.2mm	

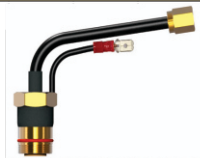
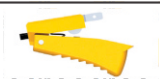
OUTSIDE NOZZLE

CODE	DESCRIPTION	
43-510202-11	Outside Nozzle	

STAND OFF GUIDES

CODE	DESCRIPTION	
43-510205-11	Stand Off Guide	

TORCH BODY, HANDLE, TRIGGER, CABLE

CODE	DESCRIPTION	
45-518150-11	Torch Body c/w Diffuser	
45-518151-11	O Ring for Torch Body	
45-518152-11	Plasma Handle Kit	
45-518153-11	Trigger Assembly	
45-510105-11	Cable Assembly 5.8m	

TECHNICAL DATA

Voltage Class	M	Duty Cycle 60%	80A
Standard Length	6m	Duty Cycle 100%	60A
Air Consumption	155 l/min	Start Method	HF Ignition – Pilot Arc
Air Pressure	5 Bar	Standard	EN60974-7



PIN CONFIGURATION

