

Torch adapter and the Hypertherm cartridge

For Powermax45® XP/65/85/105 systems



Compatibility

The torch adapter allows for conversion to the cartridge consumable platform if you have the following systems and torch types.

System	Torch type	Part number
Powermax45® XP	Duramax® Lock hand, mechanized and robotic	428951
Powermax65®	Duramax hand, mechanized and robotic	
Powermax85®		
Powermax105®		

- Not recommended for use on Duramax retrofit torches for Powermax1000/1250/1650
- Not compatible with Duramax Hyamp™ standard or long style torches
- The cartridge consumable platform is standard for the new Powermax SYNC™ 65/85/105 systems with SmartSYNC™ torches (no adapter required)
- When using the adapter with the Powermax45 XP in a mechanized application, Hypertherm recommends using the 45 A cut charts for the Powermax45 XP

Color codes for ease of use

The easy to identify cartridges are color coded by process to eliminate consumable part mix-ups and are clearly marked for amperage and part number.



Upgrade to the revolutionary Hypertherm cartridge consumable platform with the installation of a torch adapter.

Hand cutting and FineCut® for hand torches



Hypertherm cartridges		
Amps	Process	Cartridge
45	Hand cutting	428927
65		428931
85		428935
105		428937
	FineCut hand cutting	428928

Replaces this stack-up				
Shield	Retaining cap	Nozzle	Electrode	Swirl ring
220818	220854	220941	220842	220857
		220819		
		220816		
220992		220990		220994
220931		220930		220947

Mechanized/stand-off and FineCut for mechanized torches



Hypertherm cartridges		
Amps	Process	Cartridge
45	Mechanized cutting	428925
65		428930
85		428934
105		428936
	FineCut mechanized cutting	428926
	Ohmic ring	Kit 428895 Qty (3) rings per kit

Replaces this stack-up				
Shield	Retaining cap	Nozzle	Electrode	Swirl ring
220817 220955 (Deflector)	220854 or 220953 (Ohmic)	220941	220842 or 220777 (CopperPlus®)	220857
		220819		
		220816		
220993		220990		220994
220948 or 220955 (Deflector)		220930	220842	220947



Max removal and max control gouging



Hypertherm cartridges		
Amps	Process	Cartridge
45-85	Max removal gouging	428932
105	Max removal gouging	428938
45-85	Max control gouging	428933
105	Max control gouging	428939

Replaces this stack-up				
Shield	Retaining cap	Nozzle	Electrode	Swirl ring
220798	220854	220797	220842	220857
		220991		220994
420480		220797		220857
		220991		220994