

# Powermax45® XP

Professional-grade plasma system for cutting 5/8" thick metal, gouging, and marking.



Capacity	Thickness	Cut speed
Cutting		
Recommended	5/8"	20 ipm
	7/8"	10 ipm
Severance (hand cutting)	1-1/8"	5 ipm
Pierce*	1/2"	
*Pierce rating for handheld use or with automatic torch height control		
Capacity	Metal removal rate	Groove profile
Gouging		
Typical gouge	7.5 lbs per hour	.12" D x .26" W

## Easy-to-use with versatile design

- Small size and light weight provides exceptional portability for a 5/8" rated cutting system.
- Handheld and mechanized usage with CNC interface and FastConnect™ torch connection.
- Patented drag-cutting technology makes it easy to use—even for first-time operators.
- Tackle different jobs with multiple, easy-to-use torch and consumable styles.
- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Mark, score and make precision gouges with new low amp process.

## Maximum productivity

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 1/4" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Fast change out of consumables using the new torch disable switch feature.

## Rugged and reliable

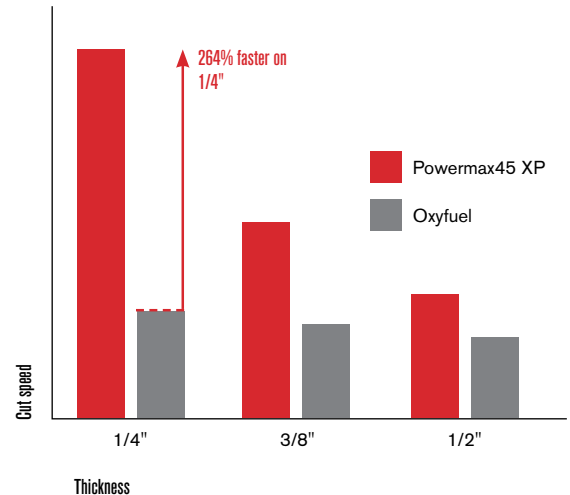
- Duramax® Lock torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Hypertherm Certified™ reliability ensures performance in the most demanding environment.

## Duramax Lock standard torch styles

(for more torch options, see [www.hypertherm.com](http://www.hypertherm.com))



## Relative cut performance on mild steel





## Custom configurations (select power supply, torch, consumable kit, work cable, and other components)

### Power supply options

	Standard power supply	Power supply with CPC port and voltage divider	Power supply with CPC port, voltage divider, and serial port
200–240 V CSA	088092	088104	088105
480 V CSA	088095	088110	088111

### Starter kit consumable options

	Handheld	Mechanized	Mechanized with ohmic retaining cap
Kit	428559	428560	428561

### Torch options

Cable length	Hand torches		Machine torches		Robotic torches		
	75°	15°	180°	Mini 180°	45°	90°	180°
15'			059476*	059481*			
20'	088164	088162					
25'			088167	059482*	059464*	059465*	059466*
35'			088168	059483*			
50'	088165	088163	088169	059484*			
75'	059475*	059472*	059480*				

\* without torch disable switch

### Cable options

Cable length	Work cables		Control cables			
	Hand clamp	Remote pendant	CNC, spade connector, divided voltage	CNC, spade connector, no divided voltage	RS-485 Serial comm, unterminated	RS-485 Serial comm, D-sub
25'	223595	128650	228350	023206	223236	223239
50'	223596	128651	228351	023279	223237	223240
75'	223127	128652				

## Torch consumable parts

Nozzles and electrodes are available in various quantities. Contact your distributor for more information.

Consumable type	Torch type	Amperage	Nozzle	Shield/Deflector	Retaining cap	Electrode	Swirl ring
Drag-cutting	Hand	45	220941	220818	220854	220842	220857
Mechanized	Machine	45	220941	220817 or 220955 <sup>1</sup>	220854 or 220953 <sup>2</sup>	220842	220857
FineCut®	Hand	45	220930	220931	220854 or 220953 <sup>2</sup>	220842	220947
	Machine	45		220955 or 220948 <sup>3</sup>			
Max control gouging	Hand/ Machine	26–45	420419	420480	220854	220842	220857
Precision gouging	Hand/ Machine	10–25	420415	420414	220854	220842	220857
Marking	Hand/ Machine	10–25	420415	420542	220854 or 220953 <sup>2</sup>	220842	220857
FlushCut™	Hand/ Machine	30–45	420633 <sup>3</sup>	420540 <sup>4</sup>	420536	420635	420634
HyAccess™ cutting	Hand	15–45	420410 <sup>3</sup>	N/A	420413	420408	220857
HyAccess™ gouging	Hand	15–45	420412 <sup>3</sup>	N/A	420413	420408	220857

<sup>1</sup> Deflector for unshielded cutting

<sup>2</sup> Ohmic retaining cap

<sup>3</sup> Nozzle/shield assembly

<sup>4</sup> Retaining ring

## Recommended Hypertherm genuine accessories



### Face shield

Clear face shield with flip-up shade for cutting and grinding. Safety shield included. ANSI Z87.1, CSA Z94.3, CE

- 127239 Face shield shade 6
- 127103 Face shield shade 8



### Air filtration kit

A ready-to-install kit with a 1-micron filter and an auto drain moisture separator protects against contaminated air.

- 128647 Eliminator filter



### Leather torch sheathing

Available in .25' sections, this option provides additional protection for torch leads against burn-through and abrasion.

- 024877 Black leather with Hypertherm logos



### Circle cutting guides

Quick and easy set up for accurate circles up to 28" diameter. For optional use as a stand-off guide for straight and bevel cuts.

- 127102 Basic kit – 15" arm, wheels and pivot pin
- 027668 Deluxe kit – 11" arm, wheels, pivot pin, anchor base and plastic case



### Rolling tool bag

This rugged bag transports the Powermax45 XP with extra room for torches, consumables, accessories, and other gear. 19.5" x 17.5" x 12.5"

- 017060 Rolling tool bag



### System dust covers

Made from a flame-retardant vinyl, a dust cover will protect your Powermax® system for years.

- 127219 Cover, Powermax45 and 45 XP



### Essential consumable kit

Essential kits provide an assortment of standard consumables in a convenient case for organizing and reordering.

- 851510 Handheld kit
- 851511 Mechanized kit
- 851512 Mechanized ohmic kit

For more information, visit: [www.hypertherm.com](http://www.hypertherm.com)

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