Hypertherm®

Upgrade to Duramax™ retrofit torches and consumables

Sharpen your cutting edge





Compatible with:

Powermax600®
Powermax800
Powermax900
Powermax1000
Powermax1250
Powermax1650
MAX42®
MAX43

Torch and consumable technology designed to enhance the performance of your system.

Duramax technology advantages

5 times more durable

- Proprietary, fiber-reinforced torch handle is 5 times more impact resistant
- 20% more heat resistant to withstand your toughest metal-cutting applications*
- New spring strain-relief design to improve bend reliability by 10 times

More reliable arc starting

- Spring Start™ electrode technology eliminates moving parts in the torch for more reliable arc-starting.



75° hand torch



180° mini machine torch



15° hand torch



180° full-length machine torch

* When compared with standard T60/T80/T100 torches and/or consumables for Powermax1000/1250/1650.

Consumables

Reduce costs

- All Duramax torches use the same consumables, so you can consolidate across different systems
- Up to a 30% reduction in consumable costs when compared to standard "T" style torches

Longer consumable life

- Conical Flow™ nozzles and spring electrodes provide up to 6 times longer life when compared with standard PAC™ torches and consumables.

CopperPlus electrode

- The patent-pending CopperPlus™ electrode delivers at least 2 times longer consumable life over standard consumables.*
- Designed exclusively for use with Duramax torches, CopperPlus can be used when cutting metal 12 mm (1/2") and under to reduce your operating costs and cut more parts with less downtime.

* Standard consumables refer to the original Hypertherm consumables designed for the system.



All-in-One, FineCut and Bulk kits available

Retrofit torches

Part number	Description	Compatible system(s)
228788	Handheld Retrofit Torch 7.6 m (25') Lead	Powermax1000/1250/1650
228789	Handheld Retrofit Torch 15.2 m (50') Lead	Powermax1000/1250/1650
228807	Handheld, Straight Retrofit Torch 7.6 m (25') Lead	Powermax1000/1250/1650
228808	Handheld Straight Retrofit Torch 15.2 m (50') Lead	Powermax1000/1250/1650
228790	Mechanized Retrofit Torch 7.6 m (25') Lead	Powermax1000/1250/1650
228791	Mechanized Retrofit Torch 15.2 m (50') Lead	Powermax1000/1250/1650
228916	Handheld Retrofit Torch 7.6 m (25') Lead	Powermax600/800/900 MAX42/43
228917	Handheld Retrofit Torch 15.2 m (50') Lead	Powermax600/800/900 MAX42/43
228918	Handheld Retrofit Torch 7.6 m (25') Lead*	Powermax600 CE
228919	Handheld Retrofit Torch 15.2 m (50') Lead*	Powermax600 CE
228920	Mechanized Retrofit Torch 7.6 m (25') Lead	Powermax600/800/900 MAX42/43
228921	Mechanized Retrofit Torch 15.2 m (50') Lead	Powermax600/800/900 MAX42/43
228922	Mechanized Retrofit Torch 7.6 m (25') Lead*	Powermax600 CE
228923	Mechanized Retrofit Torch 15.2 m (50') Lead*	Powermax600 CE

*Without quick disconnect

Consumables

Part number	Description	Amperage compatibility
220857	Swirl ring, all processes except handheld FineCut® and 100 A/105 A	40–85 A
220994	Swirl ring, 105 A	100–105 A
220947	Swirl ring, handheld FineCut	40–45 A
220842	Standard Duramax electrode	40–105 A
220777	CopperPlus electrode	40–105 A
220941	Nozzle, 45 A	40–55 A
220819	Nozzle, 65 A	60–65 A
220816	Nozzle, 85 A	80–85 A
220990	Nozzle, 105 A	100–105 A
220930	Nozzle, FineCut	40–45 A
220797	Nozzle, 65 A/85 A gouging	40–85 A
220991	Nozzle, 105 A gouging	100–105 A
220854	Retaining cap	40–105 A
220953	Retaining cap, ohmic	40–105 A
220818	Shield, 65 A/85 A drag-cutting	40–85 A
220992	Shield, 105 A drag-cutting	100–105 A
220817	Shield, 65 A/85 A mechanized	40–85 A
220993	Shield, 105 A mechanized	100–105 A
220798	Shield, gouging	40–105 A
220948	Shield, FineCut ohmic	40–45 A
220955	Deflector, handheld FineCut	40–45 A
220931	Deflector, handheld FineCut	40–45 A

Torch connections

Ease of use

- Duramax retrofit torches use the torch connection designed for your system which makes retrofitting easy.
- Retrofit torches for Powermax600/800/900 and MAX42/43 systems are available with or without quick disconnect. Easy Torch Removal (ETR) connections come standard on retrofit torches for Powermax1000/1250/1650 systems.



Handheld torch lead with quick disconnect.



Handheld or mechanized torch lead without quick disconnect for Powermax600 CE systems.



Mechanized torch lead with quick disconnect.



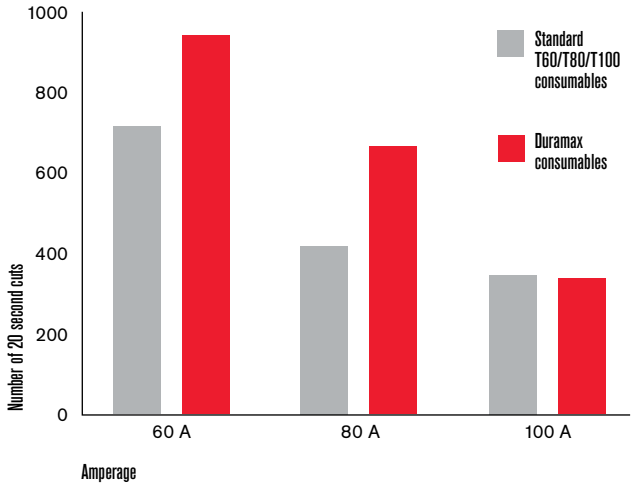
Easy Torch Removal (ETR) connection – makes Duramax retrofit torches easy plug-and-play upgrades

"We were using 5 sets of tips per week, now with the new retrofit torch we use the system more and are using only 1 set per week. The consumable savings will pay for a new system!"

– Travis, Manufacturing Foreman, JMH Trailers

For location nearest you, visit:
www.hypertherm.com

Consumable life testing



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One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers' success. We are always striving to become better environmental stewards; it is a process we care deeply about.

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