

Hypertherm®

Duramax™ HRT, HRTs and MRT retrofit torches

TECHNOLOGY UPGRADE

SHARPEN YOUR CUTTING EDGE!

Upgrade to Hypertherm's Duramax retrofit torch

5 times more durable

- Proprietary, fiber-reinforced torch handle is 5 times more impact resistant and 20% more heat resistant to withstand your toughest metal-cutting applications.*

More reliable arc-starting

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

Up to 55% longer consumable life

- Conical Flow™ nozzle and spring electrode give you up to 55% more consumable life for up to a 30% reduction in consumable costs.*

Easy plug-and-play upgrade

- Duramax RT torches use the same Easy Torch Removal (ETR) connection as your standard torch which makes retrofitting to a new Duramax torch simple.

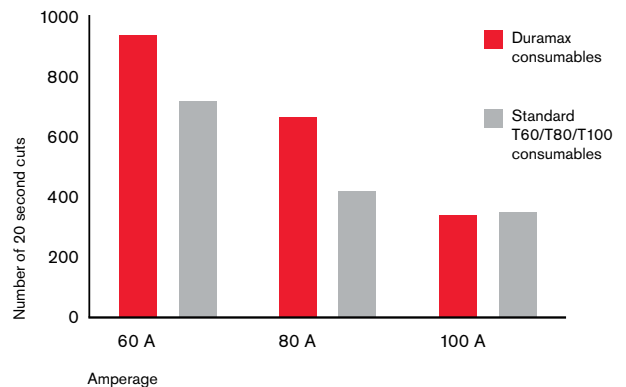
* When compared with standard T60/T80/T100 torches and/or consumables for Powermax1000/1250/1650.

COMPATIBLE WITH

Powermax1000®
Powermax1250®
Powermax1650®

PERFORMANCE

Consumable life testing



“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



Duramax™ H_{RT}

Handheld retrofit torch

Internal stainless steel switch **improves cap-sense reliability** to eliminate cap-sense failures

Torch neck is **20% slimmer** for greater arc visibility and increased accessibility



Greater distance from torch head to trigger **reduces heat on the trigger and your hand**

Hard stop on the torch body **prevents over-tightening consumables** and crushing of the swirl ring

Shadowed trigger **limits damage** from spray back

Duramax™ H_{RT}s

Handheld, straight retrofit torch

- Designed for gouging at the correct angle every time
- Long torch neck for cutting in hard-to-reach areas



"The angle of the torch is perfect for gouging, it keeps the molten metal and heat away from my hand and the Duramax consumables last 2 times as long. The torch is awesome, I'm lucky to have it!"

– Fran, Foreman, Aggregate Industries

NEW

Duramax consumables

T60/T80/T100 consumables



Proprietary, fiber-reinforced torch handle is **20% more heat resistant** and **5 times more impact resistant** than your standard Powermax torch

Ergonomic torch for noticeably easier handling

Square handle grip for more control

Enhanced trigger for a smooth action, **more control** and **easy activation**

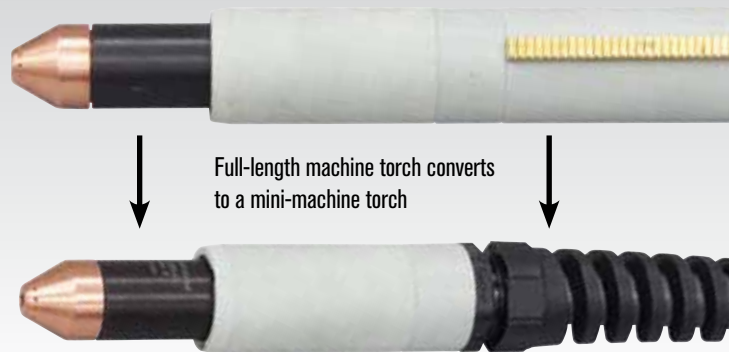


More convenient – Consolidate consumables across Powermax65, Powermax85, Powermax1000, Powermax1250 and Powermax1650 systems.

Duramax™ MRT

Mechanized retrofit torch

- Full-length torch – 15" (380 mm)
- Features a removable gear rack
- Converts to a mini torch configuration for improved cutting accessibility in robotic applications



New spring strain-relief design to **improve bend reliability by 10 times**

More abrasion-resistant torch lead

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



PARTS LIST

Part number	Description
Torch assemblies	
228788†	Duramax HRT hand torch assembly with 25' (7.6 m) leads
228789†	Duramax HRT hand torch assembly with 50' (15.2 m) leads
228807†	Duramax HRTs hand torch assembly with 25' (7.6 m) leads
228808†	Duramax HRTs hand torch assembly with 50' (15.2 m) leads
228790†	Duramax MRT machine torch assembly with 25' (7.6 m) leads
228791†	Duramax MRT machine torch assembly with 50' (15.2 m) leads
† Includes a variety of Duramax consumables, new operator manual with cut charts and new consumables sticker for your system	
Duramax consumables*	
220857	Swirl ring, all processes except handheld FineCut® and 100 A
220994	Swirl ring, 100 A
220947	Swirl ring, handheld FineCut
220842	Electrode
220941	Nozzle, 45 A
220819	Nozzle, 65 A
220816	Nozzle, 85 A
220990	Nozzle, 100 A
220930	Nozzle, FineCut
220797	Nozzle, 65 A / 85 A gouging
220991	Nozzle, 100 A gouging
220854	Retaining cap
220953	Retaining cap, ohmic
220818	Shield, up to 100 A drag-cutting
220992	Shield, 100 A drag-cutting
220817	Shield, up to 100 A mechanized
220993	Shield, 100 A mechanized
220798	Shield, gouging
220948	Shield, FineCut ohmic
220955	Deflector, unshielded
220931	Deflector, handheld FineCut

*Standard T60, T80 and T100 consumables are not compatible with Duramax retrofit torches.

Kits and accessories

850910	All-in-one consumable kit – compatible with HRT/HRTs and Powermax1000 handheld
850900	All-in-one consumable kit – compatible with MRT and Powermax1000 mechanized
850890	All-in-one consumable kit – compatible with HRT/HRTs and Powermax1250 handheld
850880	All-in-one consumable kit – compatible with MRT and Powermax1250 mechanized
850930	FineCut consumable kit – compatible with all HRT/HRTs handheld torches
850920	FineCut consumable kit – compatible with all MRT mechanized torches
024548	Leather lead cover available in 25' (7.6 m) sections
127102	Circle cutting guide, basic kit
027668	Circle cutting guide, deluxe kit
128647	Air filtration kit

Hypertherm®
Cut with confidence®

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Data shown are the product of controlled testing in Hypertherm laboratories. Contact Hypertherm for a complete written description of test procedures.

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1 year torch and lead warranty

**Check out
the Duramax
durability video**



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For all available consumable kit options visit www.hypertherm.com/consumablekits