

Hypertherm®

Duramax™ HRT and MRT retrofit torches



TECHNOLOGY UPGRADE

PERFORMANCE

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

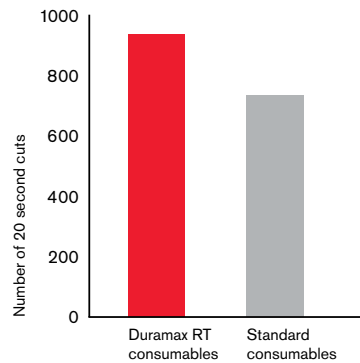
- Duramax RT torches use the same Easy Torch Removal (ETR) connection as your standard torch which makes retrofitting to a new Duramax torch simple.

* When compared with standard T60 and T80 torches for Powermax1000 and Powermax1250.

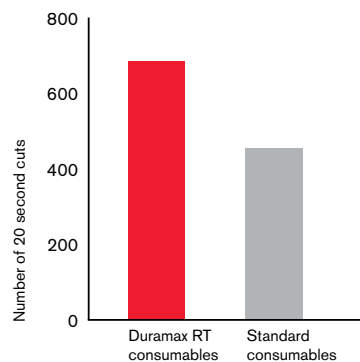
“We were using 5 sets of tips per week, now with the new retrofit torch we use the system more and are using only 1 set per week. The consumable savings will pay for a new system!”

- Travis, Manufacturing Foreman, JMH Trailers

Consumable life test at 60 A



Consumable life test at 80 A



COMPATIBLE WITH

Powermax1000®
Powermax1250®

Duramax™ HRT

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

Electrode

- **More reliable** – Spring Start electrode technology eliminates moving parts within the torch head for more reliable arc-starting.*
- **More life** – The Hafnium insert in the spring electrode has been optimized to give you up to a 55% increase in consumable life.*

Nozzle

- **More quality** – Conical Flow nozzle technology increases arc density for better cut quality while increasing consumable life*.

Shield

- **More productive** – Diffuser-shaped shield design reduces dross buildup and enables smoother drag-cutting for more efficient cutting.*

**When compared with standard T60 and T80 torches for Powermax1000 and Powermax1250.*



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 and Powermax1250 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
- Consolidation of consumables – one torch for Powermax1000 and Powermax1250 systems, same consumables as the Powermax65 and Powermax85



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

More abrasion-resistant torch lead

Easy Torch Removal (ETR) connection – makes Duramax HRT and MRT 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
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	
220842	Electrode
220941	Nozzle, 45A
220819	Nozzle, 65A
220816	Nozzle, 85A
220930	Nozzle, FineCut
220797	Nozzle, gouging
220857	Swirl ring, all processes except handheld FineCut
220947	Swirl ring, handheld FineCut
220798	Shield, 65A / 85A gouging
220818	Shield, drag-cutting
220817	Shield, mechanized
220948	Shield, FineCut ohmic
220955	Deflector, mechanized
220931	Deflector, handheld FineCut
220854	Retaining cap
220953	Retaining cap, ohmic
Kits and accessories	
850910	All-in-one consumable kit – compatible with HRT and Powermax1000 handheld
850900	All-in-one consumable kit – compatible with MRT and Powermax1000 mechanized
850890	All-in-one consumable kit – compatible with HRT and Powermax1250 handheld
850880	All-in-one consumable kit – compatible with MRT and Powermax1250 mechanized
850930	FineCut consumable kit – compatible with all HRT 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



Check out
the Duramax
durability video



Get the free mobile app at
<http://gettag.mobi>

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