

Hypertherm®

Duramax™ HRT, HRTs and MRT retrofit torches for Powermax1000®, Powermax1250® and Powermax1650® systems

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

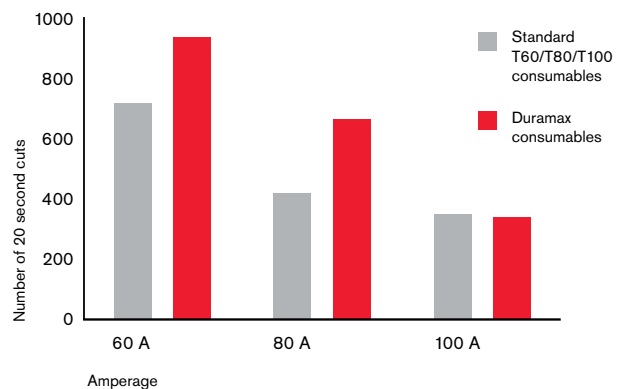
- Duramax RT torches use the same Easy Torch Removal (ETR) connection as your standard torch which makes retrofitting to a new Duramax torch simple.

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

COMPATIBLE WITH

Powermax1000®
Powermax1250®
Powermax1650®

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™ 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

Duramax™ HRTs

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

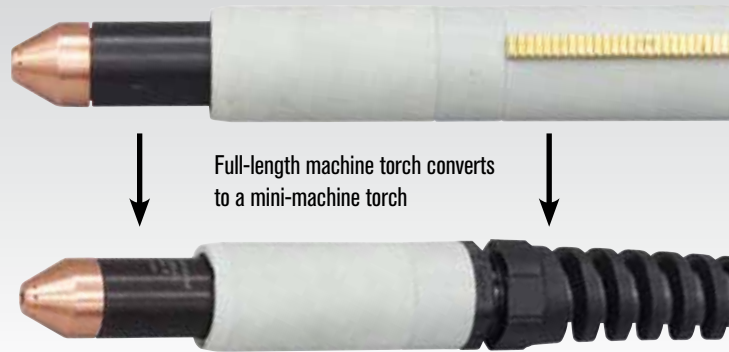
Ergonomic torch for noticeably easier handling

Square handle grip for **more control**

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

Duramax™ MRT Mechanized retrofit torch

- Full-length torch – 380 mm (15")
- 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



More convenient – Now you can consolidate consumables across multiple product families because Duramax torches are now available for Powermax1000, Powermax1250, Powermax1650, Powermax65, Powermax85, Powermax105, Powermax600, Powermax800, Powermax900, MAX42 and MAX43 systems.

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



PARTS LIST

Duramax retrofit torches

| Part number | Description | Compatible system(s) |
|-------------|--|--|
| 228788† | Duramax HRT Hand Torch Assembly with 7.6 m (25') Leads | Powermax1000, Powermax1250, Powermax1650 |
| 228789† | Duramax HRT Hand Torch Assembly with 15.2 m (50') Leads | Powermax1000, Powermax1250, Powermax1650 |
| 228807† | Duramax HRTs Hand Torch Assembly with 7.6 m (25') Leads | Powermax1000, Powermax1250, Powermax1650 |
| 228808† | Duramax HRTs Hand Torch Assembly with 15.2 m (50') Leads | Powermax1000, Powermax1250, Powermax1650 |
| 228790† | Duramax MRT Machine Torch Assembly with 7.6 m (25') Leads | Powermax1000, Powermax1250, Powermax1650 |
| 228791† | Duramax MRT Machine Torch Assembly with 15.2 m (50') Leads | Powermax1000, Powermax1250, Powermax1650 |

† Includes a variety of Duramax consumables, new operator manual with cut charts and new consumables sticker for your system

Duramax consumables

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

*For more information about CopperPlus, visit www.hypertherm.com/upgrades

Kits and accessories

| Part number | Description |
|-------------|--|
| 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 |
| 850992 | All-in-one consumable kit - compatible with HRT/HRTs and Powermax1650 handheld |
| 850985 | All-in-one consumable kit - compatible with MRT and Powermax1650 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 7.6 m (25') 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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