Hypertherm®

Duramax™, Duramax Hyamp and Duramax Retrofit torches



A full range of torches for every cutting and gouging application.

Duramax torches

Designed for durability and reliability with Spring Start™ technology, Duramax torches are available in two hand torch styles, two machine torch styles and three robotic torch styles.

Duramax Hyamp torches

New Duramax Hyamp torches, with all the features of the original Duramax torches but built to handle the full 125 amp output of the Powermax125®, are available in two hand torch styles, two machine torch styles, three robotic torch styles , and four long torch styles.

Duramax Retrofit

Duramax Retrofit torches in two hand torch styles and one machine torch style bring the benefits of Duramax torch technology to older Powermax and MAX42® and 43 systems.

Hand

Duramax™ and Duramax Hyamp standard and 15 degree hand torches are well suited for most hand cutting and gouging jobs. The 15 degree torch directs heat away from the operator during heavy gouging and enables cutting overhead or in hard-to-reach areas.

Duramax torches

Compatible with Powermax65®, 85 and 105 systems.



75° Duramax hand torch
9.9 cm (3.9") x 25.2 cm (9.9")



15° Duramax hand torch
6.6 cm (2.6") x 25.9 cm (10.2")

Duramax Hyamp torches

Compatible with Powermax65, 85, 105 and 125 systems.



85° Duramax Hyamp hand torch
11.4 cm (4.5") x 31.2 cm (12.3")



15° Duramax Hyamp hand torch
6.8 cm (2.68") x 29.5 cm (11.6")

Machine

Full-length machine torches can be used with portable automated devices, such as track cutters, and CNC cutting tables. Mini-machine torches are perfectly suited for lighter tables and pipe cutting situations where the full-length torch is too long. Duramax full-length machine torches include a 32-pitch gear rack.



Duramax machine torch
35 mm (1-3/8") diameter barrel
39.6 cm (15.6") long, 32 pitch gear rack



Duramax Hyamp machine torch
44 mm (1-3/4") diameter barrel
40.6 cm (16") long



Duramax mini-machine torch
35 mm (1-3/8") diameter barrel
16.8 cm (6.6")



Duramax Hyamp mini-machine torch
44 mm (1-3/4") diameter barrel
18.3 cm (7.2")

Robotic

The light weight, small size and built-in positioning features of Duramax and Duramax Hyamp robotic torches enable easy integration and operation with light robot arms. An optional clamp speeds integration.





90° Duramax Hyamp robotic torch
22.4 cm (8.8") x 9.9 cm (3.9")



45° Duramax robotic torch
19.6 cm (7.7") x 7.1 cm (2.8")



45° Duramax Hyamp robotic torch
21.8 cm (8.6") x 7.1 cm (2.8")



180° Duramax robotic torch
19.1 cm (7.5") x 3.5 cm (1.375")



20.8 cm (8.15")x 3.5 cm (1.375")

Long

Duramax Hyamp .6 m (2') and 1.2 m (4') long torches offer extra reach and durability for heavy-duty applications like scrapping, plate skeleton removal from cutting tables, and infrastructure repair or reconstruction. Long torches include a carry bag for storing the torch. The 1.2 m (4') torch includes an adjustable position auxiliary handle.



Duramax Hyamp torches

Compatible with Powermax65, 85, 105 and 125 systems.







90° Duramax Hyamp 1.2 m (4') Long torch
12.4 cm (4.9") x 145 cm (56")



Duramax Retrofit torches

75° and 15° handheld and full-length and mini machine torches for Powermax600, 800, 900, 1000, 1250, 1650 and MAX 42/43 systems.

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

- 5 times more durable than T-style torches
- Up to 30% reduction in consumable costs over T-style torches
- Up to 6 times longer life than PAC torches and consumables

Torch connections

- Duramax retrofit torches use the torch connection designed for your system which makes retrofitting easy



Handheld torch lead with quick disconnect.



Mechanized torch lead with quick disconnect.



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



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

Ordering information

Duramax

	Hand torches		Machine torches		Robotic torches		
Cable length	75°	15°	180°	Mini 180°	45°	90°	180°
4.5 m (15')			059476	059481			
7.6 m (25')	059473	059470	059477	059482	059464	059465	059466
10.7 m (35')			059478	059483			
15.2 m (50')	059474	059471	059479	059484			
22.8 m (75')	059475	059472	059480				

Duramax Hyamp

	Hand torches		Machine torches		Robotic torches[1]			Long torches[1]			
Cable length	85°	15°	180°	Mini 180°	45°	90°	180°	.6 m (2'), 45°	.6 m (2'), 90°	1.2 m (4'), 45°	1.2 m (4'), 90°
4.5 m (15')			059519	059514							
7.6 m (25')	059492	059495	059520	059515	059564	059565	059566	059562	059563	059567	059568
10.7 m (35')			059521	059516							
15.2 m (50')	059493	059496	059522	059517				059579	059580	059581	059582
22.8 m (75')	059494	059497	059523								

Duramax retrofit

	7.6 m (25') lead	15.2 m (50') lead	Compatible system(s)
Handheld retrofit torch	228788	228789	Powermax1000®/1250/1650
Handheld, straight retrofit torch	228807	–	Powermax1000/1250/1650
Mechanized retrofit torch	228790	228791	Powermax1000/1250/1650
Handheld retrofit torch	228916	228917	Powermax600/800/900, MAX42/43
Handheld retrofit torch*	228918	228919	Powermax600 CE
Mechanized retrofit torch	228920	228921	Powermax600/800/900, MAX42/43
Mechanized retrofit torch*	228922	–	Powermax600 CE

*Without quick disconnect

Accessories

	Part number
Duramax™ and Duramax Hyamp robotic clamp assembly kit	228806
Duramax robotic teach tool kit	229456
Duramax Hyamp Long torch adjustable handle	428286
Standard torch carry bag, 58 cm x 28 cm x 28 cm (23" x 11" x 11")	127363
Torch carry bag, .6 m (2') torch	017049
Torch carry bag, 1.2 m (4') torch	017050

Mechanical teach tool aids programming

- Optional mechanical teach tool allows you to touch the plate while programming cutting and pierce heights.



Clamp assembly kit



Teach tool kit*

*Duramax robotic only.

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

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Environmental stewardship is a core value of Hypertherm. Our products are engineered to meet and exceed global environmental regulations including the RoHS directive.

Greener Cuts

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Hypertherm®
SHAPING POSSIBILITY™

Az Ön Hypertherm kereskedője:

INVENT WELDING
KERESKEDELMI KFT
Alapítva: 1989

2083 Solymár, Külső Vasút út 3368/3.
Telefon: (06-20) 247-4919
iroda@inventwelding.hu
www.inventwelding.hu