

Hypertherm®

New HyPro2000™ retrofit torch = High productivity



TECHNOLOGY UPGRADE

PERFORMANCE

The New HyPro2000 for the HT2000 provides increased PRODUCTIVITY through 50% FASTER SPEEDS, 75% LONGER LIFE and a quick-disconnect torch!

50% Increase in cutting speed

- HyPro2000 technology dramatically improves productivity with increased cut speeds of 50% compared to the standard HT2000® and 10% compared to the ATTC® PHD2000®.

75% increase in consumable life

- HyPro2000 consumable technology dramatically reduces operating cost with significant increase in consumable life using SilverPlus®. The graph to the right shows tested HyPro2000 SilverPlus consumables improving life by at least 75% over ATTC PHD2000.

Quick-disconnect torch

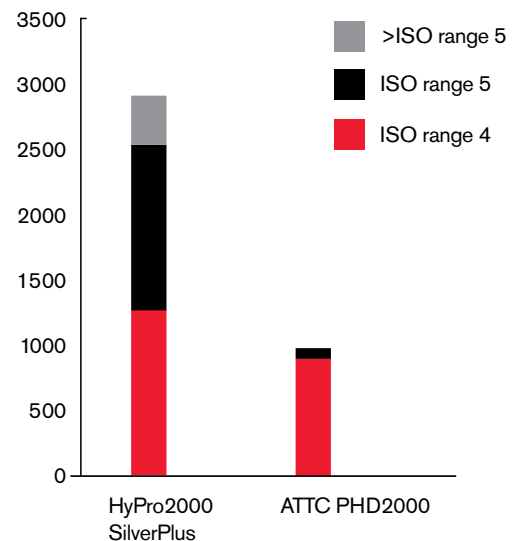
- The NEW HyPro2000 torch is a quick disconnect with an easy alignment feature.

“At NSC, we are very pleased with the performance of the New HyPro2000. Our productivity has improved with double-digit cut-speed increases and significant time reductions in consumable changes using the quick-disconnect torch system. Since the installation of the HyPro2000 torches we have enjoyed an increase in quality and productivity to an already reliable cutting system.”

- National Steel Car

Cut quality over life (200 A)*

12 mm mild steel



HyPro2000 torch

COMPATIBLE WITH

HT2000®

HySpeed® HT2000

CUT CHART

200 A oxygen with SilverPlus HyPro2000

Test preflow flowrates		Test cutflow flowrates		Material thickness (mm)	Arc voltage (volts)	Torch-to-work distance (mm)	Hypertherm HyPro2000 cutting speed (mm/m)	ATTC PHD2000 cutting speed (mm/m)	Initial pierce height (mm)	Pierce delay time (s)	
Preflow O ₂	N ₂	Plasma O ₂	Shield Air								
12%	38%	77%	3,6 bar	6	147	2	6315	5588	4	200	0,3
				8	161	3	4000	3937	4,5	150	0,35
				10	156	4,5	3630	3175	7	200	0,4
				12	156	3,5	3120	3000	8,5	250	0,6
				15	157	3	2825	2920	6	250	0,8
				20	162	3	1935	1650	6	250	1
				25	163	3	1420	1220	6	250	0,8
				32	170	3	810	815	7,5	250	2
				38	179	4,5	560	500	11	250	—
				44	185	4,5	385	—	—	—	—
50	192	4,5	260	—	—	—	Edge start				

Please note: Speeds can be seen faster than listed, however this is just a guide to what is at least expected. Hypertherm HyPro2000 travel speeds are faster than ATTC PHD2000 travel speeds as highlighted in red above.

PARTS LIST

HyPro2000 upgrade kit includes:

- (1) Shield cap
- (1) 200 A shield
- (5) 200 A nozzle
- (1) 200 A swirl ring
- (2) 200 A copper electrode
- (3) 200 A SilverPlus electrode
- (1) HyPro2000 machine torch
- (1) Quick-disconnect receptacle
- (1) 24" hose
- (1) Operators manual
- (2) Chip upgrade for 50/130 A
- (1) 2" sleeve
- (1) 1.75" sleeve
- (1) Pressure gauge
- (1) Tube for hose
- (1) Silicon lubricant ¼ oz.
- (1) Consumable tool
- (1) FSB
- (1) Jumper cable

228550
Serial number
2000-06451
and above

	Flow rates – lpm/scfh		
	O ₂	N ₂	Air
Preflow	7 / 15	38 / 80	
Cutflow	42 / 90		122 / 260
Cutflow	47 / 100		122 / 260



HyPro2000 upgrade kit for systems prior to 2003
Includes kit part number 228550 and control board replacement.

228549
Serial number
2000-06450
and below

Shield cap	220936
Shield	220832
Nozzle	220831
Swirl ring	220834
Electrode	220937
SilverPlus electrode*	220925
Water tube	220521
Quick-disconnect torch	220921
Quick-disconnect receptacle	220913
HT2000 LHF valve upgrade (For LHF systems only, if not already installed)	129840



130 A consumables for O₂ and Air are also available

SilverPlus electrode is the new "Standard" product for the HyPro2000, giving you 2X the life of the typical copper electrode.

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*Results based on lab testing performed with torch manufacturer's recommended operating conditions. 20-second tests with 20% rampdown errors.

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