

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®.

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 HyPro2000 SilverPlus electrodes improving life by at least 75% over HT2000 standard copper.

Quick-disconnect torch

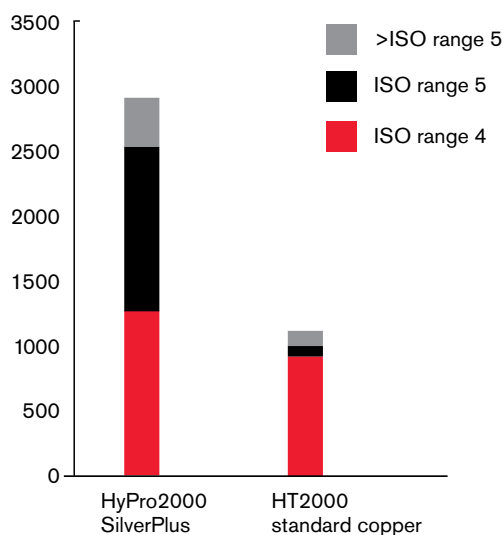
- The NEW HyPro2000 torch is a quick disconnect with an easy alignment feature.

“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 (1/2") 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 (inches)	Arc voltage (volts)	Torch-to-work distance (inches)	Hypertherm HyPro2000 cutting speed (ipm)	Initial pierce height		Pierce delay time (s)
Preflow O ₂	N ₂	Plasma O ₂	Shield Air					(inches)	Factor %	
12%	38%	70%	53 psi	1/4	147	0.075	235	0.150	200	0.30
				3/8	161	0.188	150	0.280	150	0.30
				1/2	156	0.140	130	0.280	200	0.30
				5/8	156	0.115	105	0.280	250	0.50
				3/4	157	0.115	80	0.280	250	0.60
				7/8	162	0.125	65	0.312	250	0.70
				1	163	0.125	55	0.312	250	0.80
				1-1/4	170	0.125	32	0.312	250	1.25
				1-1/2	179	0.175	22	0.437	250	1.50
				1-3/4	185	0.175	15			
2	192	0.175	10				Edge start			

Please note: Speeds can be seen faster than listed. This is just a guide to what is at least expected.

PARTS LIST

Consumables and parts description 200 A O₂

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 1/4 oz.
- (1) Consumable tool
- (1) FSB
- (1) Jumper cable

Part number

228550
Serial number
2000-06451
and above



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.