

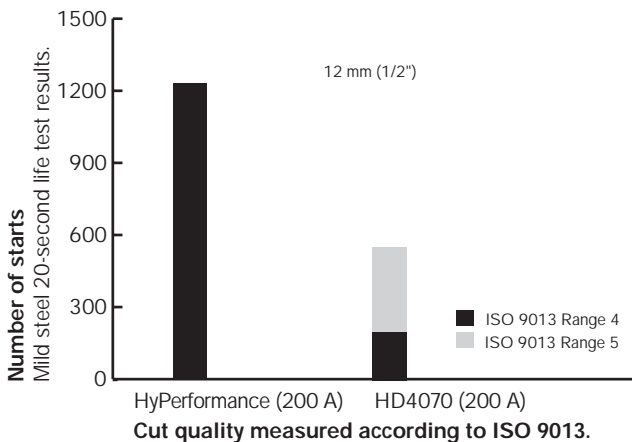
**Upgrade your  
HyDefinition® HD4070®  
torch to ...**



# HyPerformance® HD4070

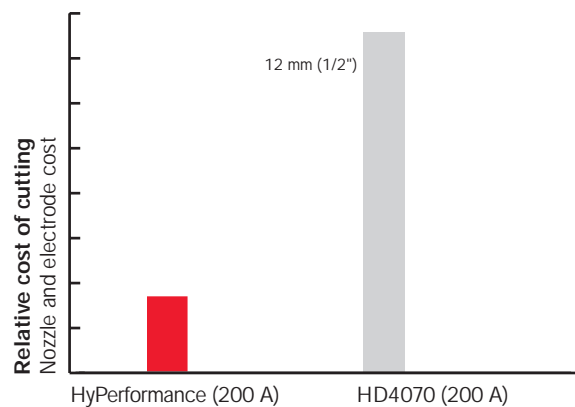
**Upgrade to more consistent cut quality, productivity,  
and lower operating costs**

**More consistent cut quality and longer  
consumables life**

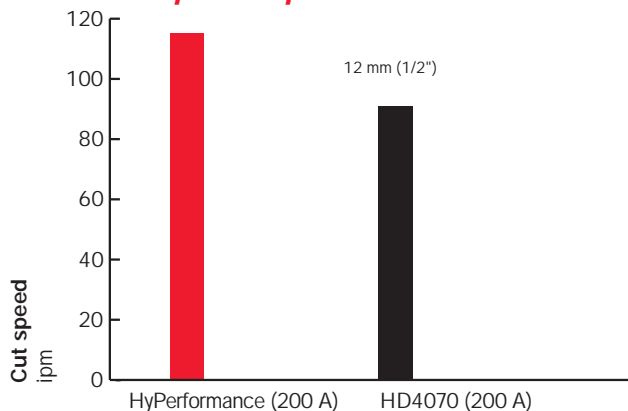


Material thickness mm inch	ISO 9013:2002 (E) Specifications									
	Range 1	Range 2	Range 3	Range 4	Range 5	Range 1	Range 2	Range 3	Range 4	Range 5
10 3/8"	0.5	1.39	3.18	6.33	9.75	Angle	Angle	Angle	Angle	Angle
12 1/2"	0.4	1.17	2.58	5.15	8.00	Angle	Angle	Angle	Angle	Angle
20 3/4"	0.3	0.90	1.87	3.74	5.90	Angle	Angle	Angle	Angle	Angle

**Less than 1/2 the operating costs**



**Cut speeds up to 28% faster**



HyPerformance HD4070 upgrade kit information on back

# HyPerformance HD4070 – upgrade kit information

Order one of the following kits based on torch lead length

Contact your authorized Hypertherm partner for sales and installation information

## Description of kit:

128943	Kit:HPR/HD4070 Upgrade with 6' torch leads
128944	Kit:HPR/HD4070 Upgrade with 10' torch leads
128945	Kit:HPR/HD4070 Upgrade with 15' torch lead
128946	Kit:HPR/HD4070 consumable parts kit available separately, 30 – 200 amps

## Each kit contains the following:

HyPerformance 200-amp machine torch
Hyperperformance torch lead (6', 10' or 15')
Upgrade software kit
HyPerformance Upgrade Field Service Bulletin and Operator Manuals
Identification and safety labels



## Operating data

Production cutting capacity (piercing) – mild steel 25 mm (1")

Material	Current (Amps)	Thickness (mm)	Approximate cutting speed (mm/min.)	Thickness (Inches)	Approximate cutting speed (ipm)
Mild steel	30	1	3550	0.036	155
		3	1150	.135	40
		6	650	1/4	25
O2 plasma O2-N2 shield	80	3	6650	.135	180
		6	3000	1/4	110
		10	1775	3/8	75
O2 plasma O2-N2 shield	130	6	3975	1/4	150
		10	2650	3/8	110
		12	2175	1/2	80
		20	1025	3/4	45
O2 plasma O2-N2 shield	200	6	5250	1/4	200
		12	3050	1/2	115
		20	1575	3/4	65
		25	1175	1	45
Stainless steel F5* plasma N2 shield	45	1	5650	.036	240
		3	1925	.105	90
		6	825	1/4	30
F5 plasma N2 shield	80	4	2150	.135	105
		6	1200	1/4	45
		10	560	3/8	25
H35-N2 plasma N2 shield	130	10	1250	3/8	50
		12	750	1/2	30
		20	375	3/4	15
H35-N2 plasma N2 shield	200	10	1875	3/8	75
		12	1750	1/2	70
		15	1500	5/8	58
		20	1125	3/4	45
Aluminum Air plasma Air shield	45	1	6700	.048	220
		4	2525	.140	110
		6	1675	1/4	60
H35-N2 plasma N2 shield	130	6	2125	1/4	85
		10	1625	3/8	65
		12	1375	1/2	55
		20	875	3/4	35
H35-N2 plasma N2 shield	200	10	2950	3/8	120
		12	2625	1/2	100
		20	1500	3/4	60

Note: Take care in comparison: Competitors often show maximum cutting speeds, rather than speeds that deliver the best cuts, as shown above. Cut speeds listed above deliver best cut quality, cut speeds can be up to 50% faster.

## Gas specifications

Plasma gas	O <sub>2</sub> , N <sub>2</sub> , F5*, H35**, Air
Shield gas	O <sub>2</sub> , N <sub>2</sub> , Air
Gas pressure	8.3 bar (120 psi)
*F5 = 5% H, 95% N2	
**H35 = 35% H, 65% Ar	

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