

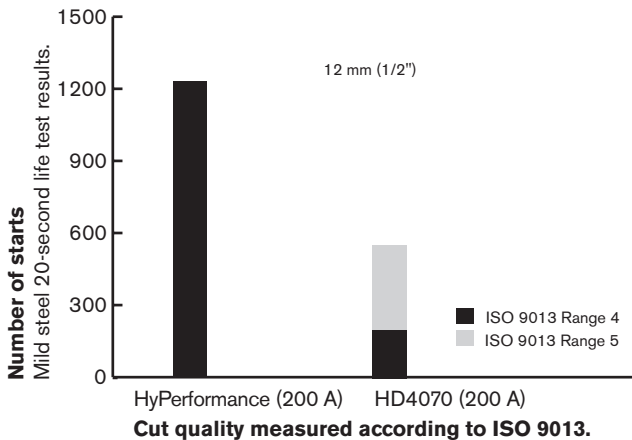
**Upgrade your
HyDefinition® HD4070®
torch to ...**



HyPerformance® HD4070

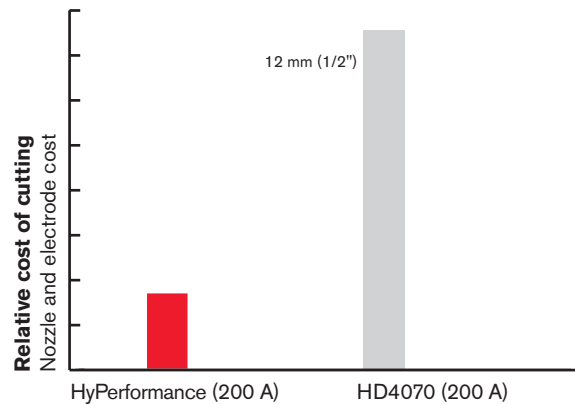
**Upgrade to more consistent cut quality, productivity,
and lower operating costs**

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

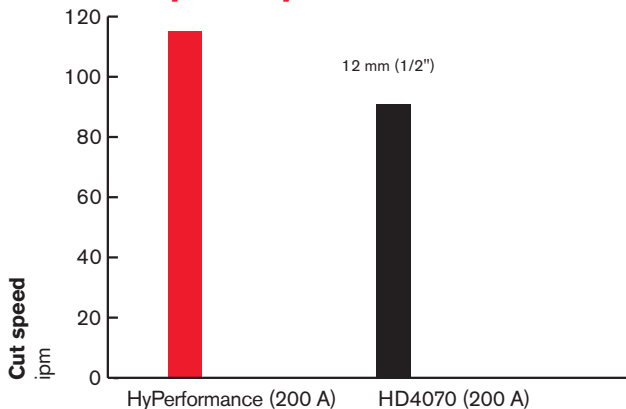


Material thickness mm inch	ISO 9013:2002 (E) Specifications									
	Range 1 Angle	Range 2 Angle	Range 3 Angle	Range 4 Angle	Range 5 Angle					
10 3/8"	0.5	1.39	3.18	6.33	9.75					
12 1/2"	0.4	1.17	2.58	5.15	8.00					
20 3/4"	0.3	0.90	1.87	3.74	5.90					

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
Hyperformance 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	.036	155	
		3	1150	.135	40	
		6	650	1/4	25	
	50	1	5000	.036	210	
		3	1800	.135	60	
		6	950	5/16	25	
	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	45	1	5650	.036	240	
		3	1925	.105	90	
		6	825	1/4	30	
	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	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 ₂ , N ₂ , F5*, H35**, Air
Shield gas	O ₂ , N ₂ , Air
Gas pressure	8.3 bar (120 psi)
*F5 = 5% H, 95% N ₂	
**H35 = 35% H, 65% Ar	

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