

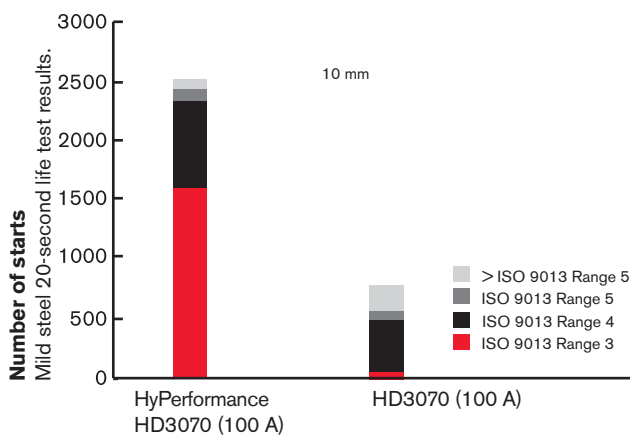
**Upgrade your
HyDefinition® HD3070®
torch to ...**



HyPerformance® HD3070

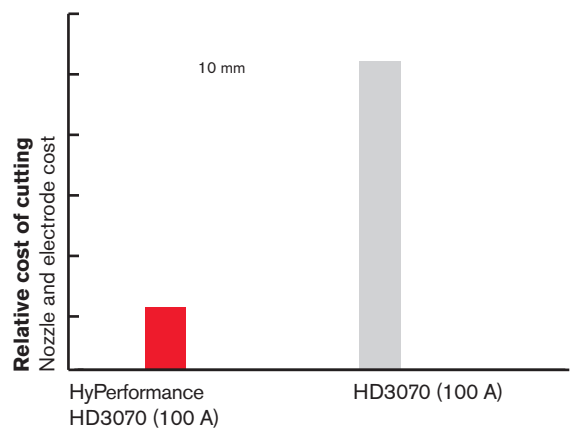
**Upgrade to more consistent cut quality, productivity,
and lower operating costs**

More consistent cut quality and longer consumables life



HyPerformance plasma technology now offers new 100-amp Mild Steel, Stainless Steel and Aluminum consumables delivering superior cut quality and longer consumable life for significantly reduced operating cost.

Less than 1/2 the operating costs



Cut quality measured according to ISO 9013.

Material thickness mm	ISO 9013:2002 Specifications				
	Range 1	Range 2	Range 3	Range 4	Range 5
6	0.07	1.93	4.59	9.13	13.85
10	0.5	1.39	3.18	6.33	9.75
12	0.4	1.17	2.58	5.15	8.00



HyPerformance HD3070 upgrade kit information on back

HyPerformance HD3070 – upgrade kit information

Contact your authorized Hypertherm partner for sales and installation information

Description of kit:

228132	Kit:HPR/HD3070 Upgrade
228134	Kit:HPR/HD3070 consumable parts kit for 100 A mild steel
228137	Kit:HPR/HD3070 consumable parts kit for 100 A stainless steel

Each kit contains the following:

HyPerformance machine torch
Pressure test gauge kit
Identification labels



Operating data

Material	Current (Amps)	Thickness (mm)	Approximate cutting speed (mm/min.)		
Mild steel O ₂ plasma O ₂ shield	30	0,5	5355		
		0,8	4225		
		1	3615		
		1,2	2865		
		1,5	2210		
		2	1490		
		2,5	1325		
		3	1160		
		4	905		
		6	665		
		O ₂ plasma O ₂ shield	50	1	5000
				3	1800
6	950				
O ₂ plasma O ₂ -N ₂ shield	80	2	9810		
		2,5	7980		
		3	6145		
		4	4300		
		6	3045		
		10	1810		
O ₂ plasma O ₂ -N ₂ shield	100	3	7350		
		4	6200		
		6	3945		
		10	2530		
		12	1970		
		15	1410		
		20	610		
Stainless steel N ₂ plasma N ₂ shield	45	0,8	6380		
		1	5880		
		1,2	5380		
		1,5	4630		
		2	3935		
		2,5	3270		
		3	2550		
		4	1580		
		F5 plasma N ₂ shield	45	0,8	6570
				1	5740
1,2	4905				
1,5	3890				
2	3175				
2,5	2510				
3	2010				
4	1435				
6	845				
H35-N ₂ plasma N ₂ shield	80			4	2180
		6	1225		
		10	560		
H35-N ₂ plasma N ₂ shield	100	6	1945		
		10	1445		
		12	1125		
		15	740		
Aluminum Air plasma Air shield	45	1,2	5670		
		1,5	4420		
		2	4000		
		2,5	3665		
		3	3225		
		4	2575		
		6	1690		
		H35-N ₂ plasma N ₂ shield	100	6	2620
				10	1660
				12	1180

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** & N ₂ , Air
Shield gas	O ₂ , N ₂ , Air
Gas pressure	8,3 bar
*F5 = 5% H, 95% N ₂	
**H35 = 35% H, 65% Ar	

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