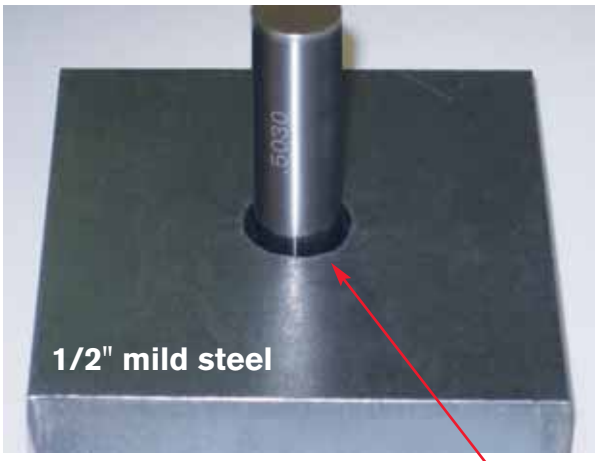
Introducing

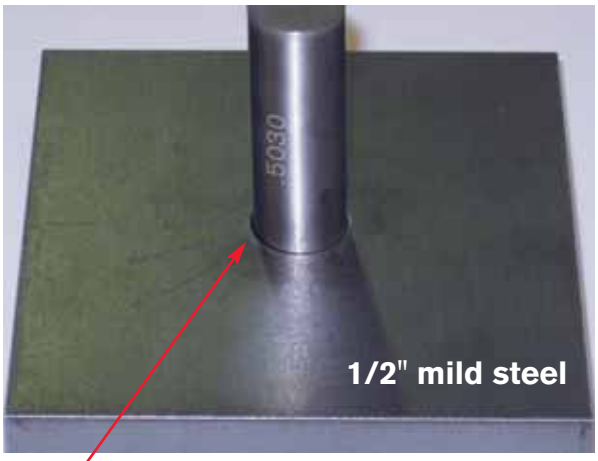
True Hole™ technology

Hypertherm's patent-pending True Hole cutting technology for mild steel produces significantly better hole quality than what has been previously possible using plasma. This is delivered automatically without operator intervention, to produce unmatched hole quality that surpasses the competition.

1/2" hole *without* True Hole technology cut with HPRXD® Plasma



1/2" hole *with* True Hole technology cut with HPRXD® Plasma



Cylindricity is a measure of hole quality

True Hole technology requires an HPRXD torch with PowerPierce™ technology, HPRXD Auto Gas, True Hole enabled CNC, True Hole enabled THC, and True Hole enabled nesting software.

Hypertherm®

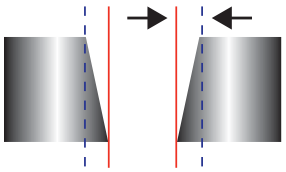
Revolutionary plasma performance: True Hole™ cut quality

Hypertherm's True Hole cutting technology for mild steel is exclusively available for use on Hypertherm's HPRXD auto gas plasma systems and is automatically applied by our cutting optimization and nesting software and CNC software to holes up to 1" with hole diameter to thickness ratios as low as 1:1.

True Hole technology is a specific combination of the following parameters that is linked to a given amperage, material type, material thickness and hole size:

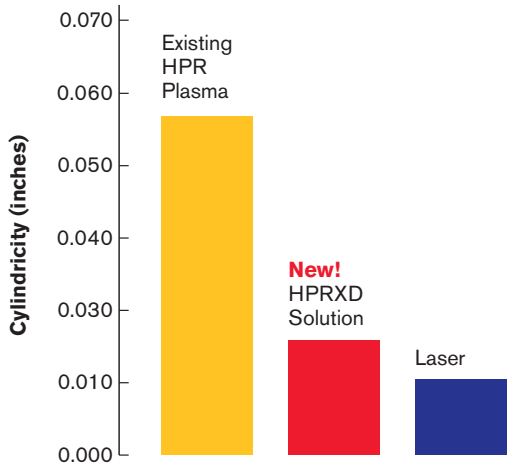
- Process gas type
- Gas flow
- Amperage
- Piercing methodology
- Lead in/out technique
- Cut speed
- Timing

Cross section of a hole



Cylindricity is a measure of hole quality

0.394" holes, 3/8" mild steel plate, 130 A process



Process coverage with True Hole technology

Standard consumable

	10 ga	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
30 A	X	X							
50 A	X	X	X						
80 A		X	X	X					
130 A			X	X	X				
200 A				X	X	X			
260 A					X	X	X	X	
400 A							X	X	X

Bevel consumable

	10 ga	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
80 A		X	X	X					
130 A			X	X	X				
260 A					X	X	X	X	
400 A							X	X	X

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True Hole performance is optimized through seamless integration of all of the components.