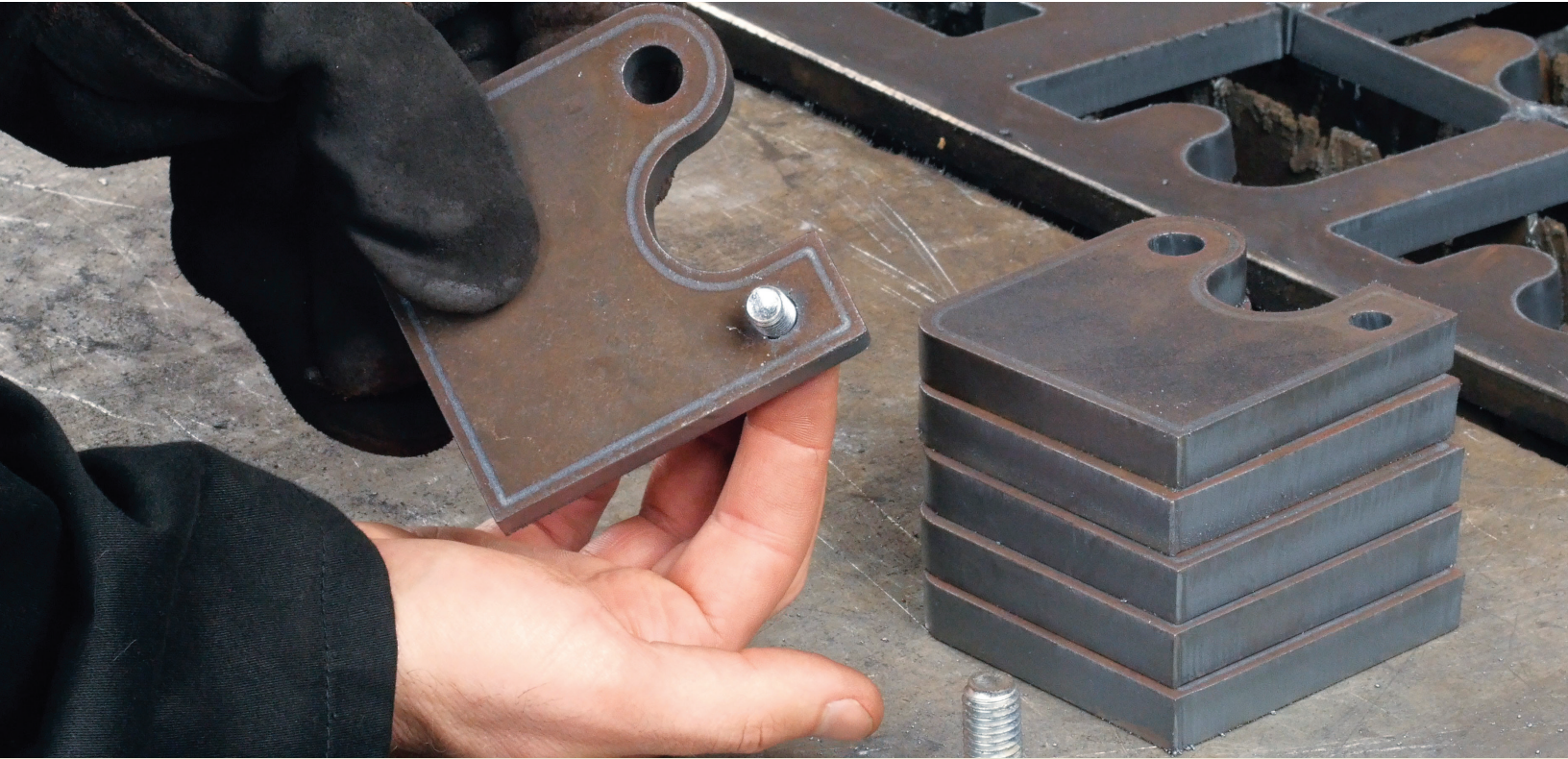


REPEATABLE BOLT-QUALITY HOLES

UltraSharp® Hole Cutting Technology



KEY FEATURES

When 1:1 holes are not enough, the industry's leading and patent-pending UltraSharp® hole cutting technology provides 3/4:1 bolt-holes in mild steel to eliminate the need for drilling. UltraSharp technology includes automatic configuration of the cutting parameters to achieve unmatched bolt-hole quality; eliminating the need for operator intervention. UltraSharp provides holes with superior cylindricity and repeatability through seamless integration of our Burny® controllers, Spirit® II plasma systems and Inova® torch height control.

- 3/4:1 bolt-holes in mild steel from 1/4 in. (6 mm) to 1 in. (25 mm)
- 1:1 bolt-holes in mild steel from 1/8 in. (3 mm) to 1 in. (25 mm)
- 1:1 bolt-holes in stainless steel for 3/16 in. (5 mm) and 1/4 in. (6 mm)
- No limitations for non-standard hole sizes and greater cutting amperage flexibility
- Superior cylindricity; no dings

Product Number»

X44-32426-18

BENEFITS

- Ease of use; automatically configures cut parameters to achieve the best bolt-hole quality
- No limitations for non-standard hole sizes
- Pre-determined lead-ins and lead-outs
- Feedrates for profiles based on hole diameter relative to plate thickness
- Greater cutting amperage flexibility in comparison to competitive hole cutting solutions
- Superior hole quality in terms of cylindricity; closing the gap between plasma cutting and laser cutting



**Without UltraSharp Hole
(1/2 in. Mild Steel Plate)**

- Poor cylindricity does not allow the bolt to pass through and will require a secondary operation such as drilling.



**With UltraSharp Hole
(1:1 Bolt-Hole, 1/2 in. Mild Steel Plate)**

- Excellent cylindricity allows the bolt to pass through eliminate the need to drill



**3/4:1 Holes using
UltraSharp Technology**

- 3/8 in. mild steel plate with 1/4 in. bolt-holes

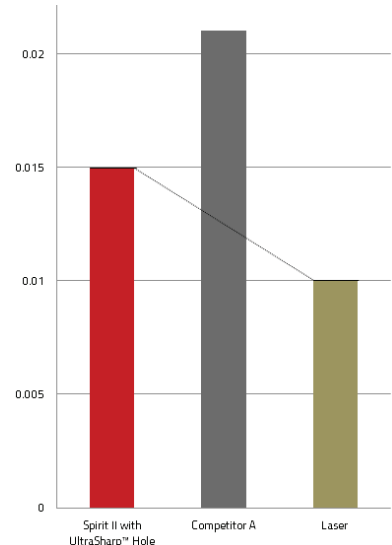


ULTRASHARP® HOLE TECHNOLOGY – 1:1 HOLE

AMPERAGE	MATERIAL THICKNESS – IN. (MM)									
	1/8 (3) Mild Steel	3/16 (5) Mild Steel	1/4 (6) Mild Steel	3/8 (10) Mild Steel	1/2 (12) Mild Steel	3/4 (20) Mild Steel	1 (25) Mild Steel	3/16 (5) Stainless Steel H17	1/4 (6) Stainless Steel H17	
30A	•									
50A	•									
70A		•	•					•		
100A			•	•	•					•
150A			•	•	•	•				
200A				•	•	•	•			
275A					•	•	•			
400A						•	•			

ULTRASHARP 3/4 TO 1 RATIO SIZES (THICKNESS/AMPERAGE)

AMPERAGE	MATERIAL THICKNESS – IN. (MM)				
	1/4 (6) Mild Steel	3/8 (10) Mild Steel	1/2 (12) Mild Steel	3/4 (20) Mild Steel	1 (25) Mild Steel
70A	3/16 (5) hole				
100A		1/4 (6) hole			
150A			3/8 (10) hole		
200A				1/2 (12) hole	
200A					3/4 (20) hole



**Comparison of Cyclindricity (in.)
(0.394" holes, 3/8" mild steel plate)**

PART NUMBERS

Software Options	
X44-32426-18S	UltraNest™ Software
X44-32426-18	UltraSharp™ Hole Technology with 3/4:1 MS and 1:1 SS

† X44-32426-18 requires the purchase of X44-32426-18S

CUSTOMER ASSISTANCE POLICY

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