

# 80A MILD STEEL - O<sub>2</sub> PLASMA / AIR SHIELD

Plasma gas inlet:  
120psi/8.4bar  
Shield gas inlet:  
120PSI/8.4bar



**Shield Cap**  
90-0747



**Shield**  
90-0189



**Retaining Cap**  
90-0756



**Nozzle**  
90-0188



**Swirl Ring**  
90-0179



**Electrode**  
90-0566



**Water Tube**  
90-0340

ENGLISH

Thickness	Prewlow		Cutflow		Arc Voltage	Torch-to-Work	Cutting Speed	Initial Pierce Height	Pierce Delay
	Inches	O2 Plasma	Air Shield	O2 Plasma	Air Shield	AV	Inches	Inches/Minute	In
0.075	48	23	78	23	112	0.10	400	0.15	0.1
0.105					115		290		
0.135					117		180		
3/16					120		155		
1/4					123		110		
5/16					125		96		
3/8				127	75	0.5			
1/2				10	130	50	0.7		
5/8					133	37	0.8		
3/4					135	25	0.9		

† American Torch Tip Company is in no way affiliated with the above-named manufacturer(s). References to the above-named machines, torches and numbers are for your convenience only. American Torch Tip is not necessarily authorized by the above-named manufacturer(s) to provide replacement parts. Most parts advertised for sale are made by, or for, American Torch Tip Company and other parts, as indicated, are original parts manufactured by the above-named OEM and are simply being resold by American Torch Tip Company. Part numbers followed by an \* are manufactured by the respective OEM.

**METRIC**

Thickness	Prewflow		Cutflow		Arc Voltage	Torch-to-Work	Cutting Speed	Initial Pierce Height	Pierce Delay
mm	O2 Plasma	Air Shield	O2 Plasma	Air Shield	AV	mm	mm/Minute	mm	Sec
2	48	23	78	23	112	2.5	9810	3.8	0.1
2.5					115		7980		
3					117		6145		
4					120	2	4300	4.0	0.2
5					121		3670		
6					123		3045		
8				125	2430				
10				127	1810				
12				130	1410				
15				10	133	1030	5.0	0.8	
20					135	545	6.3	0.9	

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