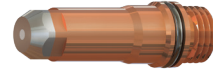
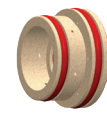
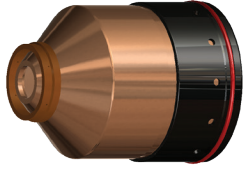


**80A MILD STEEL - O<sub>2</sub> PLASMA / AIR SHIELD**

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



**Shield Cap**  
90-0747

**Shield**  
90-0189

**Nozzle Retaining Cap**  
90-0756

**Nozzle**  
90-0188

**Swirl Ring**  
90-0179

**Electrode**  
90-0566

**Water Tube**  
90-0340

ENGLISH

Thickness Inches	Prewlow		Cutflow		Arc Voltage AV	Torch-to-Work Inches	Cutting Speed Inches/Minute	Initial Pierce Height In	Pierce Delay Sec
	O2 Plasma	Air Shield	O2 Plasma	Air Shield					
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	0.16	0.2	
1/4					123	110			
5/16					125	96			
3/8				127	75				
1/2				10	130	0.08	50	0.20	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.

90-7954

**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				10	127	1810	5.0	0.5		
12					130	1410				
15					133	1030				
20					135	545			6.3	0.9
					2.5	545				

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