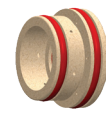
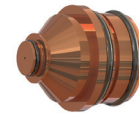
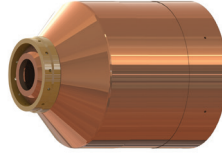
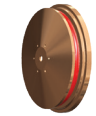
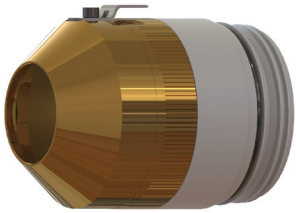


## 50A MILD STEEL - O<sub>2</sub> PLASMA / AIR SHIELD

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



**Shield Cap**  
60-0173

**Shield**  
60-0555

**Nozzle Retaining Cap**  
60-0313

**Nozzle**  
60-0554

**Swirl Ring**  
60-0553

**Electrode**  
60-0552

**Water Tube**  
60-0340

ENGLISH

Thickness	Prewlow		Cutflow		Arc Voltage	Torch-to-Work	Cutting Speed	Initial Pierce Height		Pierce Delay	
	Inches	O <sub>2</sub> Plasma	Air Shield	O <sub>2</sub> Plasma	Air Shield	AV	Inches	Inches/Minute	In	Factor	Sec
0.030	70	30	81	14	110	0.04	270	0.08	200	0	
0.036					210						
0.048					160						
0.060					114	0.05	125	0.1			
0.075					115		110				
0.105					118	0.06	80	0.12			0.1
0.135					120		60				
3/16					121	0.08	50	0.16			0.2
1/4					125		35				0.3
5/16					130		25				0.5

† 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	Prewlow		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	Factor	Sec	
0.8	70	30	81	14	110	1.0	6500	2.0	200	0	
1					111		5000				
1.2					112		4150				
1.5					114	1.3	3200	2.6			
2					115		2700				
2.5					117		2200				
3					119	1.5	1800	3.0			0.1
4					121		1400				0.2
5					122		1200				0.3
6					126	2	950	4.0			0.4
7					128		780				0.5
8					130		630				

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