

## NOZZLE/GAS DIFFUSER SELECTION CHART

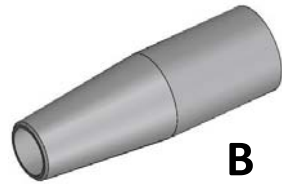
The Nozzle/Gas Diffuser chart is designed for easy identification and selection of a nozzle and gas diffuser with the desired configuration.

- 1) Select Amperage Torch/Nozzle Range or Model
- 2) Select desired nozzle bore size
- 3) Select desired tip placement
- 4) Select desired nozzle design. Note: there may be more than one type nozzle design configuration. Select the one that best fits your requirements. The chart below indicates the nozzle design which will match to the nozzle design specs. Below.
- 5) Select proper gas diffuser. Note: there may be more than one type of diffuser design. Select your diffuser and please note the tip type that fits the diffuser.

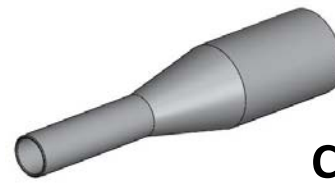
### NOZZLE DESIGN CONFIGURATIONS



**A**



**B**



**C**



**D**



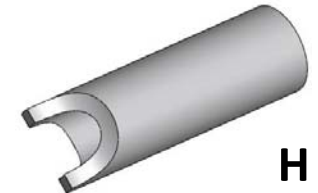
**E**



**F**



**G**



**H**

**GAS DIFFUSER DESIGN CONFIGURATIONS**



Diffuser Part Number	Overall Length	Tip Thread
75002007	1.220" (31.0mm)	M6
75002007L	1.340" (34.0mm)	M6
75002007S	1.160" (29.5mm)	M6
75002033A	1.195" (30.4mm)	M8
75004007	1.455" (37.0mm)	M6
75004033	1.438" (36.5mm)	M8
75004033F	1.438" (36.5mm)	M8
75004033L	1.530" (38.9mm)	M8
75004033S	1.275" (32.4mm)	M8
75004033XL	1.656" (42.1mm)	M8
75004033-U	1.438" (36.5mm)	M8



Diffuser Part Number	Overall Length	Tip Thread
75002007V	1.00" (25.4mm)	M6



Diffuser Part Number	Overall Length	Tip Thread
75004033V	1.750" (44.5mm)	M6



Diffuser Part Number	Overall Length	Tip Thread
75004033A	1.031" (26.2mm)	M8

**300 AMP NOZZLES**

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP
<b>3/8" (9.5mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75002013HRS	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	NONE REQ.	2.820" (71.6mm)	(3/8")(9.5mm)	75002007	Std Duty M6
<u>1/8" (3mm) RECESS</u>	75002013HRS	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	NONE REQ.	2.820" (71.6mm)	(3/8")(9.5mm)	75002007S 75002033A	Std Duty M6 Std Duty M8
<u>FLUSH</u>	75002013HRS	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	NONE REQ.	2.820" (71.6mm)	(3/8")(9.5mm)	75002007L	Std Duty M6
<u>1/16 (1.5mm) STICKOUT</u>	75002013X	NOZZLE - EXTENDED REACH	C	NI PLATED BRASS	NONE REQ.	3.620" (91.94mm)	(3/8") (9.5mm)	75002007S	Requires 750035511X
<u>1/8" (3mm) STICKOUT</u>	75002013X	NOZZLE - EXTENDED REACH	C	NI PLATED BRASS	NONE REQ.	3.620" (91.94mm)	(3/8") (9.5mm)	75002007	Requires 750035511X
<u>1/4" (6.3mm) STICKOUT</u>	75002013X	NOZZLE - EXTENDED REACH	C	NI PLATED BRASS	NONE REQ.	3.620" (91.94mm)	(3/8") (9.5mm)	75002007L	Requires 750035511X

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP
<b>1/2" (12.7mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75002015S	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(1/2")(12.7mm)	75002007	Std Duty M6
<u>1/8" (3mm) RECESS</u>	75002015S	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(1/2")(12.7mm)	75002007S 75002033A	Std Duty M6 Std Duty M8
<u>FLUSH</u>	75002015S	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(1/2")(12.7mm)	75002007L	Std Duty M6
	75002015TA	NOZZLE - BOTTLENOSE	C	NI PLATED BRASS	75001733	2.662" (67.6mm)	(1/2")(12.7mm)	75002007S	Std Duty M6
<u>1/16 (1.5mm) STICKOUT</u>	75002015TA	NOZZLE - BOTTLENOSE	C	NI PLATED BRASS	75001733	2.662" (67.6mm)	(1/2")(12.7mm)	75002007 75002033A	Std Duty M6 Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75002015TA	NOZZLE - BOTTLENOSE	C	NI PLATED BRASS	75001733	2.662" (67.6mm)	(1/2")(12.7mm)	75002007L	Std Duty M6
<u>1/4" (6.3mm) STICKOUT</u>	75002020	NOZZLE - SPECIAL SHORT Heavy Walled	G	NI PLATED BRASS	NONE REQ.	1.945" (49.2mm)	(1/2")(12.7mm)	75002007V	Std Duty M6
<b>19/32" (15.1mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75002015	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007	Std Duty M6
	75002015CU	NOZZLE - CONICAL	A	BARE COPPER	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007	Std Duty M6
<u>1/8" (3mm) RECESS</u>	75002015	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007S 75002033A	Std Duty M6 Std Duty M8
	75002015CU	NOZZLE - CONICAL	A	BARE COPPER	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007S 75002033A	Std Duty M6 Std Duty M8
<u>FLUSH</u>	75002015	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007L	Std Duty M6
	75002015CU	NOZZLE - CONICAL	A	BARE COPPER	INSTALLED	2.820" (71.6mm)	(19/32")(15.1mm)	75002007L	Std Duty M6
<u>1/8" (3mm) STICKOUT</u>	75002017	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.545" (64.6mm)	(19/32")(15.1mm)	75002007S 75002033A	Std Duty M6 Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75002017	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.545" (64.6mm)	(19/32")(15.1mm)	75002007 75002007L	Std Duty M8 Std Duty M8

### 400 AMP NOZZLES

<b>7/16" (11.1mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75004030	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.438")(7/16")(11.1mm)	75004033 75004033F 75004033-U 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
<u>1/4" (6.3mm) RECESS</u>	75004030	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.438")(7/16")(11.1mm)	75004033S	Std Duty M8
<u>FLUSH</u>	75004030	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.438")(7/16")(11.1mm)	75004033L	Std Duty M8
<u>1/16 (1.5mm) STICKOUT</u>	75004015T	NOZZLE - TAPERED	D	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.438")(7/16")(11.1mm)	75004033S	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75004030	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.438")(7/16")(11.1mm)	75004033XL	Std Duty M8
<u>1/4 STICKOUT</u>	75004015T	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.438")(7/16")(11.1mm)	75004033 75004033-U 75004033F 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP
<b>1/2" (12.7mm)BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75004018	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.125" (79.4mm)	(.500")(1/2")(12.7mm)	75004033 75004033F 75004033-U 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
	75004013V	NOZZLE - TAPERED (LONG)	B	NI PLATED BRASS	NONE REQ.	3.915" (99.4mm)	(.500")(1/2")(12.7mm)	75004033V	750xx211 Tip
<u>1/8" (3mm) RECESS</u>	75004011	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.031" (77.0mm)	(.500")(1/2")(12.7mm)	75004033S	Std Duty M8
<u>1/4" (6.3mm) RECESS</u>	75004018	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.125" (79.4mm)	(.500")(1/2")(12.7mm)	75004033S	Std Duty M8
<u>FLUSH</u>	75004011	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.031" (77.0mm)	(.500")(1/2")(12.7mm)	75004033 75004033F 75004033-U 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
	75004018	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.125" (79.4mm)	(.500")(1/2")(12.7mm)	75004033L	Std Duty M8
<u>1/16 (1.5mm) STICKOUT</u>	75004011	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.031" (77.0mm)	(.500")(1/2")(12.7mm)	75004033L	Std Duty M8
	75004027	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	2.820" (71.6mm)	(.500")(1/2")(12.7mm)	75004033S	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75004018	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.125" (79.4mm)	(.500")(1/2")(12.7mm)	75004033XL	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75004011	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	3.031" (77.0mm)	(.500")(1/2")(12.7mm)	75004033XL 75004033V	Std Duty M8 Std Duty M6
	75004027	NOZZLE - BOTTLE NOSE	C	NI PLATED BRASS	75001733	2.820" (71.6mm)	(.500")(1/2")(12.7mm)	75004033 75004033-U 75004033F 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
<b>9/16" (14.3mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75004013T	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.563")(9/16")(14.3mm)	75004033 75004033-U 75004033F 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
<u>1/4" (6.3mm) RECESS</u>	75004013T	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.563")(9/16")(14.3mm)	75004033S	Std Duty M8
	75004024T	NOZZLE - SHORT TAPERED	G	NI PLATED BRASS	INSTALLED	2.375" (60.3mm)	(.563")(9/16")(14.3mm)	75004033A	Std Duty M8
<u>FLUSH</u>	75004013T	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.563")(9/16")(14.3mm)	75004033L	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75004013T	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.563")(9/16")(14.3mm)	75004033XL	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75004013T	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	3.125" (79.4mm)	(.563")(9/16")(14.3mm)	75004033V	Std Duty M6
	75004015S	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.593")(19/32")(15.1mm)	75004033 75004033-U 75004033F 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6
<b>19/32" (15.1MM) BORE</b>									
<u>1/16 (1.5mm) STICKOUT</u>	75004015S	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.593")(19/32")(15.1mm)	75004033S	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75004015S	NOZZLE - SMALL CONICAL	D	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.593")(19/32")(15.1mm)	75004033 75004033-U 75004033F 75004007	Std Duty M8 Std Duty M8 Std Duty M8 Std Duty M6

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP	
<b>5/8" (15.9mm) BORE</b>										
<u>1/16" (1.5mm) RECESS</u>	75004010	NOZZLE - BOTTLE NOSE	E	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033-U	Std Duty M8	
								75004033F	Std Duty M8	
								75004007	Std Duty M6	
	75004013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033-U	Std Duty M8	
								75004033F	Std Duty M8	
								75004007	Std Duty M6	
	75004013C	NOZZLE - CONICAL	A	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033-U	Std Duty M8	
								75004033F	Std Duty M8	
								75004007	Std Duty M6	
	75004013CU	NOZZLE - CONICAL	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033-U	Std Duty M8	
								75004033F	Std Duty M8	
	75004022BU	NOZZLE - CYLINDRICAL	D	BARE BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
							75004033-U	Std Duty M8		
							75004033F	Std Duty M8		
							75004007	Std Duty M6		
<u>1/8" (3mm) RECESS</u>	75004019	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
	75004019CU-A	NOZZLE - TAPERED	B	BARE COPPER	75001738	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
<u>1/4" (6.3mm) RECESS</u>	75004010	NOZZLE - BOTTLE NOSE	E	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
	75004013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
	75004013C	NOZZLE - CONICAL	A	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
	75004013CU	NOZZLE - CONICAL	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
	75004022BU	NOZZLE - CYLINDRICAL	F	BARE BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8	
<u>FLUSH</u>	75004010	NOZZLE - BOTTLE NOSE	E	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
	75004013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
	75004019	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033F	Std Duty M8	
								75004033-U	Std Duty M8	
								75004007	Std Duty M6	
	75004013C	NOZZLE - CONICAL	A	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
	75004013CU	NOZZLE - CONICAL	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
	75004019CU-A	NOZZLE - TAPERED	B	BARE COPPER	75001738	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8	
								75004033F	Std Duty M8	
								75004033-U	Std Duty M8	
								75004007	Std Duty M6	
	75004020L	NOZZLE - SHORT CONICAL	G	NI PLATED BRASS	75001738	2.187" (55.6mm)	(.625")(5/8")(15.9mm)	75004033A	Std Duty M8	
	75004022BU	NOZZLE - CYLINDRICAL	F	BARE BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
	<u>1/16 (1.5mm) STICKOUT</u>	75004015	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.625")(5/8")(15.9mm)	75004033S	Std Duty M8
		75004019	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8
75004019CU-A		NOZZLE - TAPERED	B	BARE COPPER	75001738	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8	
								75004033L	Std Duty M8	
<u>1/8" (3mm) STICKOUT</u>	75004010	NOZZLE - BOTTLE NOSE	E	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004013C	NOZZLE - CONICAL	A	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004013CU	NOZZLE - CONICAL	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004022BU	NOZZLE - CYLINDRICAL	F	BARE BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
<u>1/4" (6.3mm) STICKOUT</u>	75004010	NOZZLE - BOTTLE NOSE	E	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004003V	Std Duty M6	
	75004013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004003V	Std Duty M6	
	75004015	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	2.820" (71.6mm)	(.625")(5/8")(15.9mm)	75004003	Std Duty M8	
								75004003-U	Std Duty M8	
								75004033F	Std Duty M8	
								75004007	Std Duty M6	
	75004019	NOZZLE - CONICAL	A	NI PLATED BRASS	INSTALLED	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004020	NOZZLE - SHORT CONICAL	G	NI PLATED BRASS	INSTALLED	1.875" (47.6mm)	(.625")(5/8")(15.9mm)	75004033A	Std Duty M8	
	75004013C	NOZZLE - CONICAL	A	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6	
	75004013CU	NOZZLE - CONICAL	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6	
	75004019CU-A	NOZZLE - TAPERED	B	BARE COPPER	75001738	3.031" (77.0mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8	
	75004022BU	NOZZLE - CYLINDRICAL	F	BARE BRASS	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6	

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP
<b>3/4" (17.9mm) BORE</b>									
<u>1/16" (1.5mm) RECESS</u>	75004022CU	NOZZLE - CYLINDRICAL	F	BARE COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
	75004022R	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
<u>1/4" (6.3mm) RECESS</u>	75004022CU	NOZZLE - CYLINDRICAL	F	BARE COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033S	Std Duty M8
	75004022R	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033S	Std Duty M8
<u>FLUSH</u>	75004022CU	NOZZLE - CYLINDRICAL	F	BARE COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033L	Std Duty M8
	75004022R	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033L	Std Duty M8
<u>1/16 (1.5mm) STICKOUT</u>	75004022R-D	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	2.820" (71.6mm)	(.703" )(45/64" )(17.9mm)	75004033S	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75004022CU	NOZZLE - CYLINDRICAL	F	BARE COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033XL	Std Duty M8
	75004022R	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033XL	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75004022CU	NOZZLE - CYLINDRICAL	F	BARE COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033V	Std Duty M6
	75004022R	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	3.125" (79.4mm)	(.703" )(45/64" )(17.9mm)	75004033V	Std Duty M6
	75004022R-D	NOZZLE - CYLINDRICAL	F	NI PLATED COPPER	75001738	2.820" (71.6mm)	(.703" )(45/64" )(17.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6

**SPOT NOZZLE**

75004014	NOZZLE - SPOT	H	NI PLATED BRASS	75001738	3.437" (87.3mm)	(.656" )(21/32" )(16.7mm)		75004033XL	
							.187 Recess	75004033L	
							.312 Recess		

**500 AMP NOZZLES**

**9/16" - 5/8" (15.1mm) BORE**

<u>1/4" (6.3mm) STICKOUT</u>	75005013H	NOZZLE - TAPERED	B	NI PLATED BRASS	INSTALLED	2.670" (67.8mm)	(.593" )(19/32" )(15.1mm)	75004033S	Std Duty M8
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**3/4" (19.1mm) BORE**

<u>1/4" (6.3mm) RECESS</u>	75005013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001740	3.187 (81.0mm)	(.750" )(3/4" )(19.1mm)	75004033S	Std Duty M8
<u>1/8" (3mm) RECESS</u>	75005013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001740	3.187 (81.0mm)	(.750" )(3/4" )(19.1mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	
<u>FLUSH</u>	75005013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001740	3.187 (81.0mm)	(.750" )(3/4" )(19.1mm)	75004033L	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75005013	NOZZLE - CONICAL	A	NI PLATED BRASS	75001740	3.187 (81.0mm)	(.750" )(3/4" )(19.1mm)	75004033XL	Std Duty M8

**WATER-COOLED NOZZLES**

**5/8" (15.9mm) BORE**

<u>1/16" (1.5mm) RECESS</u>	75006013-A	NOZZLE - CONICAL, THREAD ON (HOSE BARBS)	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625" )(5/8" )(15.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
	75006013-C	NOZZLE - CONICAL, THREAD ON (Quick Disconn	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625" )(5/8" )(15.9mm)	75004033	Std Duty M8

TIP PLACEMENT	PART #	DESCRIPTION	TYPE	MATERIAL	INSULATOR REQUIRED	O.A.L.	BORE SIZE	DIFFUSER	CONTACT TIP
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
	75006013MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
	75006013HT	NOZZLE - CONICAL, SWIVEL CONNECTION (Quick	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
<u>1/4" (6.3mm) RECESS</u>	75006013-A	NOZZLE - CONICAL, THREAD ON (HOSE BARBS)	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033-S	Std Duty M8
	75006013-C	NOZZLE - CONICAL, THREAD ON (Quick Disconn	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033-S	Std Duty M8
	75006013MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033-S	Std Duty M8
	75006013HT	NOZZLE - CONICAL, SWIVEL CONNECTION (Quick	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033-S	Std Duty M8
<u>FLUSH</u>	75006013-A	NOZZLE - CONICAL, THREAD ON (HOSE BARBS)	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8
	75006013-C	NOZZLE - CONICAL, THREAD ON (Quick Disconn	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8
	75006013MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8
	75006013HT	NOZZLE - CONICAL, SWIVEL CONNECTION (Quick	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033L	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75006013-A	NOZZLE - CONICAL, THREAD ON (HOSE BARBS)	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8
	75006013-C	NOZZLE - CONICAL, THREAD ON (Quick Disconn	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8
	75006013MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8
	75006013HT	NOZZLE - CONICAL, SWIVEL CONNECTION (Quick	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033XL	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75006013-A	NOZZLE - CONICAL, THREAD ON (HOSE BARBS)	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6
	75006013-C	NOZZLE - CONICAL, THREAD ON (Quick Disconn	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6
	75006013MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6
	75006013HT	NOZZLE - CONICAL, SWIVEL CONNECTION (Quick	A	BARE COPPER	75001738	3.125" (79.4mm)	(.625")(5/8")(15.9mm)	75004033V	Std Duty M6
<b>3/4" (19.1mm) BORE</b>									
<u>1/4" (6.3mm) RECESS</u>	75006014MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001740	3.125" (79.4mm)	(.750")(3/4")(19.1mm)	75004033S	Std Duty M8
<u>1/16" (1.5mm) RECESS</u>	75006014MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001740	3.125" (79.4mm)	(.750")(3/4")(19.1mm)	75004033	Std Duty M8
								75004033-U	Std Duty M8
								75004033F	Std Duty M8
								75004007	Std Duty M6
<u>FLUSH</u>	75006014MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001740	3.125" (79.4mm)	(.750")(3/4")(19.1mm)	75004033L	Std Duty M8
<u>1/8" (3mm) STICKOUT</u>	75006014MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001740	3.125" (79.4mm)	(.750")(3/4")(19.1mm)	75004033XL	Std Duty M8
<u>1/4" (6.3mm) STICKOUT</u>	75006014MT	NOZZLE - CONICAL, SWIVEL CONNECTION (HOSE	A	BARE COPPER	75001740	3.125" (79.4mm)	(.750")(3/4")(19.1mm)	75004033V	Std Duty M6