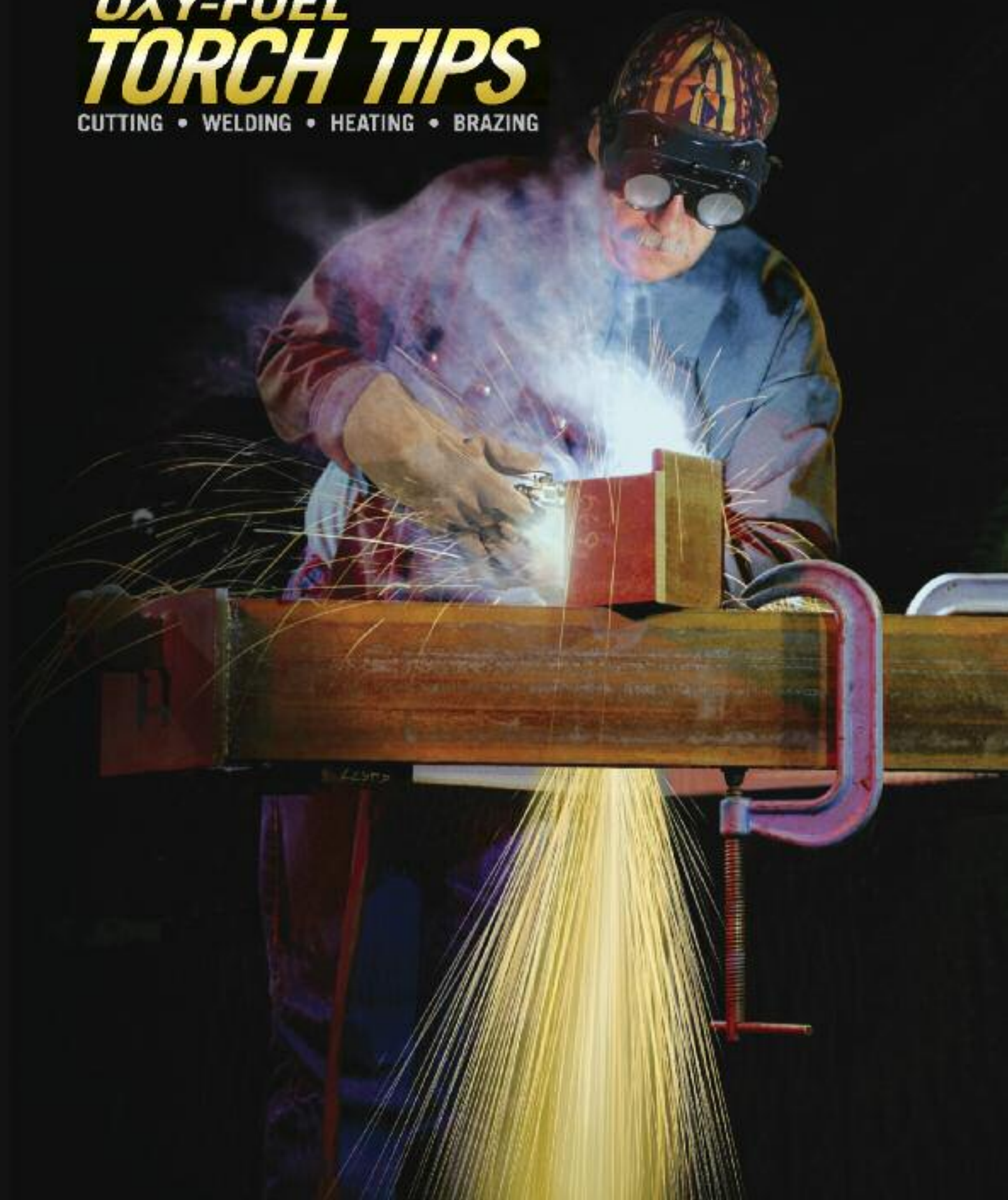


OXY-FUEL TORCH TIPS

CUTTING • WELDING • HEATING • BRAZING



Goss, Inc has been manufacturing high quality replacement torch tips and torch tool equipment for over sixty years. This progress is attributed to our many satisfied customers along with the constant upgrading of our manufacturing methods and facilities.

The index on right lists the popular style tips available from Goss. Quotes on other styles not listed are available upon request or may be available in our price list as discontinued.

Tips can be ordered by OEM Mfg numbers or by Goss Mfg numbers.

GOSS® replacement parts are not sourced from or authorized by other manufacturers listed herein and their names and trademarks are used descriptively for your convenience only. GOSS® has no relationship with other manufacturers shown.

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All charts and information contained in this catalog are intended only as an approximate guide. The type and condition of equipment, length of hose, regulator pressure settings, operator skill, etc., will affect the performance of any tip.

AIRCO®/CONCOA®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
A-FH (345)	FH-825	
STOCK NO.	SIZE	HIGH SPEED CUTTING PROPYLENE MAP/PRO — OXYGEN
0816-2372	72	
0816-2368	68	
0816-2365	65	
0816-2360	60	
0816-2356	56	
0816-2354	54	
0816-2352	52	
0816-2349	49	
0816-2344	44	
0816-2338	38	
		
		STINGER STYLE Two piece tip for hand or machine cutting. Fits 4700 machine torch. Stinger 345 substitute.
A-FS (245)	FS-825	
STOCK NO.	SIZE	GENERAL CUTTING PROPYLENE MAP/PRO — OXYGEN
0816-0072	72	
0816-0068	68	
0816-0065	65	
0816-0060	60	
0816-0056	56	
0816-0054	54	
0816-0052	52	
0816-0049	49	
0816-0044	44	
0816-0038	38	
		
		STINGER STYLE Two piece tip for standard speed. Stinger 245 substitute.
A-SP	SP-825	
STOCK NO.	SIZE	GENERAL CUTTING PROPYLENE MAP/PRO — OXYGEN
0856-0072	72	
0856-0068	68	
0856-0065	65	
0856-0060	60	
0856-0056	56	
0856-0054	54	
0856-0052	52	
0856-0049	49	
0856-0044	44	
0856-0038	38	
0856-0031	31	
		
		Standard speed one piece cutting tip.
91	3051	
STOCK NO.	SIZE	LONG FLAME ACETYLENE OR PROPYLENE MAP/PRO — OXYGEN
810-9112	00•	
810-9111	0•	
810-9101	1	
810-9102	2	
810-9103	3	
810-9104	4	
		
		For medium and light welding and brazing. Fits Airco 300 and 400 series torches with mixer. • Sizes not for use with Mapp gas. 1/4-32 thread.

AIRCO®/CONCOA®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
98	3040	
STOCK NO.	SIZE	LONG FLAME ACETYLENE OR PROPYLENE MAP/PRO — OXYGEN
811-9820	00•	
811-9800	0•	
811-9801	1	
811-9802	2	
811-9803	3	
811-9804	4	
811-9805	5	
811-9806	6	
811-9807	7	
811-9808	8	
		
		For general welding and brazing. 3/8-20 in. thread. • Sizes not for use with MAPP gas. For Goss 3012 Tip.
124	810	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE — OXYGEN
854-2499	00	
854-2400	0	
854-2401	1	
854-2402	2	
854-2403	3	
		
		Light preheat. For clean surfaces, straight line and shape cutting. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500 torches.
138	840	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE — OXYGEN
854-3899	00	
854-3800	0	
854-3801	1	
854-3802	2	
854-3803	3	
854-3804	4	
854-3806	6	
		
		Light preheat. For hand and machine cutting. Fine contour cutting of plate. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500 torches.
144	820	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE — OXYGEN
854-4499	00	
854-4400	0	
854-4401	1	
854-4402	2	
854-4403	3	
854-4404	4	
854-4405	5	
854-4406	6	
854-4408	8	
854-4410	10	
		
		Medium preheat. For hand or machine cutting. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500 torches.

AIRCO®/CONCOA®

Style Replacement Tips

AIRCO®/CONCOA®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
164	830		
STOCK NO.	SIZE	GENERAL CUTTING	ACETYLENE—OXYGEN
854-6499	00		
854-6400	0		
854-6401	1		
854-6402	2		
854-6403	3		
854-6404	4		
854-6405	5		
854-6406	6		
854-6407	7		
854-6408	8		
		Very heavy preheat. For general cutting. Also for use in cutting cast iron and stainless steel. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500 torches.	
183	807		
STOCK NO.	SIZE	GOUGING	ACETYLENE_ OXYGEN
854-8306	6		
854-8308	8		
854-8310	10		
854-8312	12		
		Medium preheat for grooving, gouging and removing welds. Fits Airco 3700, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500 torches.	
185	807-S		
STOCK NO.	SIZE	GOUGING	ACETYLENE— OXYGEN
854-8506	6		
854-8508	8		
854-8510	10		
		Medium preheat for grooving, gouging and removing welds. Fits Airco 3700, 4690, 4700, 4800, 5700, 5800 torches.	

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
261	875		
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR—OXYGEN NATURAL GAS
813-2610	00		
813-2611	0		
813-2612	1		
813-2613	2		
813-2614	3		
	4		
813-2615	5		
	6		
813-2617	7		
813-2618	8		
813-2619	10		
		Two piece tip for hand cutting. Heavy preheat. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500, 2900 torches.	
263	826		
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR—OXYGEN NATURAL GAS
813-2669	00		
813-2630	0		
813-2631	1		
813-2632	2		
813-2633	3		
813-2635	5		
813-2637	7		
		Two piece tip for hand cutting. Medium preheat. Fits Airco 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500, 2900 torches. Stinger 275 substitute.	
275	872		
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR—OXYGEN NATURAL GAS
813-2799	00		
813-2750	0		
813-2751	1		
813-2752	2		
813-2753	3		
813-2754	4		
813-2755	5		
813-2756	6		
		Stinger style - two piece design. Hand or machine cutting.	

AIR PRODUCTS®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
121	1460		
STOCK NO.	SIZE	GENERAL CUTTING	ACETYLENE—OXYGEN
U-121020	00		
4-121000	0		
D-121001	1		
5-121002	2		
T-121003	3		
H-121004	4		
9-121005	5		
Y-121006	6	Medium preheat. For hand or machine cutting. Fits Air Products 1100, 5200 and 5300 torches. 7/16-20 thread.	
159	1476		
STOCK NO.	SIZE	GENERAL CUTTING	ACETYLENE—OXYGEN
3-159920	00		
1-159900	0		
K-159901	1		
A-159902	2		
2-159903	3		
P-159904	4		
E-159905	5		
6-159906	6	Heavy preheat. For general cutting operations with hand or machine cutting apparatus. Fits Air Products 2200, 2300, 2400, 6200, 6300 and 6500 torches.	
461	221		
STOCK NO.	SIZE	HEATING TIP	PROPANE OR—OXYGEN NATURAL GAS
6-4612	2		
X-4613	3		
N-4614	4		
F-4615	5		
		Tips have 1/2-25 threads. For additional information see page 16.	

CRAFTSMAN®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
9 54436 1, 2	1369 1, 2	Same as Harris 3690. See Harris section for details.
9 54441 0-10, 13, 15	3021 0-10	Same as Harris 23-A-90. See Harris section for details.

DOCKSON®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
C-6	1060	
STOCK NO.	SIZE	GENERAL CUTTING
C6-0	0	ACETYLENE—OXYGEN
C6-1	1	
C6-2	2	
C6-3	3	
C6-4	4	
C6-5	5	
		 
		Medium preheat, for general cutting operations.

ESAB®/OXWELD®

Style Replacement Tips

ESAB®/OXWELD®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
O-FH	FH-1735		
STOCK NO.	SIZE	HIGH SPEED	PROPYLENE MAP/PRO -OXYGEN
1816-2672	72		
1816-2668	68		
1816-2665	65		
1816-2660	60		
1816-2656	56		
1816-2654	54		
1816-2652	52		
1816-2649	49		
1816-2644	44		
1816-2638	38		
		Two piece tip machine cutting. Fits C-39, C-58, C-67 machine torches.	
O-FS	FS-1734		
STOCK NO.	SIZE	GENERAL CUTTING	PROPYLENE MAP/PRO -OXYGEN
0816-0772	72		
0816-0768	68		
0816-0765	65		
0816-0760	60		
0816-0756	56		
0816-0754	54		
0816-0752	52		
0816-0749	49		
0816-0744	44		
0816-0738	38		
		Two piece standard speed. Fits CW_23, C-31, C-32, C-66, C-67 hand torches.	
1501	1750		
STOCK NO.	SIZE	GENERAL CUTTING	ACETYLENE-OXYGEN
13A81	4		
13A82	6		
13A83	8		
13A84	10		
13A85	12		
		Light preheat. For hand cutting on clean surfaces. Fits CW-23, C-31, C-32, C-77 hand torches	
1502	1760		
STOCK NO.	SIZE	GENERAL CUTTING	ACETYLENE-OXYGEN
08Z69	2(1/8")		
08Z67	3(1/4")		
15Z17	4(1/2")		
15Z18	6(1-1/2")		
15Z19	8(4")		
15Z20	10(8")		
15Z21	12(12")		
		Medium preheat. For hand or machine cutting. Fits CW-32, C-31, C-23, C-77 hand torches, C-37, C-39, C-58 machine torches.	

STYLE NO.	GOSS NO.	PRODUCT INFORMATION		
1511	1770			
STOCK NO.	SIZE	GOUGING	ACETYLENE-OXYGEN	
15X14	13			
15X15	19			
15X16	25			
INTERNAL				
1534	1734			
STOCK NO.	SIZE	INTERNAL		
14Z66	2			
14Z50	3			
14Z51	4			
14Z52	6			
14Z53	8			
639228	10			
639229	12			
		General cutting, medium preheat, propane, natural gas, butane – oxygen. Fits CW-23, C-31, C-32, C-77 hand torches, C-39, C-58, C-67 machine torches.		
EXTERNAL				
STOCK NO.	SIZE	EXTERNAL		
14Z38	1738-S			
14Z39	1739-M			
14Z77	1736-X			
INTERNAL				
1535	1735			
STOCK NO.	SIZE	INTERNAL		
14Z56	31			
14Z57	40			
14Z58	43			
14Z59	47			
14Z60	52			
14Z61	60			
14Z64	80			
639230	100			
639461	120			
		Hi-speed cutting, medium preheat, propane, natural gas, butane – oxygen. Fits CW-39, C-58, C-67 machine torches.		
EXTERNAL				
STOCK NO.	SIZE	EXTERNAL		
14Z38	1738-S			
14Z39	1739-M			
14Z77	1736-X			

ESAB®/PUROX®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
P-FS	FS-1955	GENERAL CUTTING PROPYLENE MAP/PRO — OXYGEN  Two piece tip standard speed. Fits CW-200, CW-202, Type E, CW-300 torches.	
STOCK NO.	SIZE		
0816-0972	72		
0816-0968	68		
0816-0965	65		
0816-0960	60		
0816-0956	56		
0816-0954	54		
0816-0952	52		
0816-0949	49		
0816-0944	44		
0816-0938	38		
P-SP	SP-1955	GENERAL CUTTING PROPYLENE MAP/PRO — OXYGEN  One piece standard tip. Fits CW-200, CW-202, Type E, CW-300 torches.	
STOCK NO.	SIZE		
0856-1172	72		
0856-1168	68		
0856-1165	65		
0856-1160	60		
0856-1156	56		
0856-1154	54		
0856-1152	52		
0856-1149	49		
0856-1144	44		
W-300	3025	WELDING ACETYLENE— OXYGEN  Fits W-300 and W-400 torch. Complete welding tip and mixer.	
STOCK NO.	SIZE		
639439	2		
639440	4		
639441	6		
639442	9		
639443	15		
4202	1952	GENERAL CUTTING ACETYLENE — OXYGEN  Medium preheat for general cutting. Fits CW-200, CW-202, Type E torches, C-205 machine torch, CW-300 torches.	
STOCK NO.	SIZE		
638869	2(1/8")		
16K08	3(1/4")		
16K09	4(1/2")		
16K10	5(1-1/2")		
16K11	7(4")		
16K12	9(6")		
16K13	11(10")		
16K14	13(12")		

ESAB®/PUROX®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION		
4203	1965			
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR— OXYGEN NATURAL GAS	
16K15	4			
16K16	5			
16K17	7			
16K18	9			
		One piece general and scrap cutting. Fits CW-200, CW-202, Type E, CW-300 torches.		
4207	1957			
STOCK NO.	SIZE	GOUGING	ACETYLENE— OXYGEN	
16K67	13			
16K35	19			
		Grooving and gouging. Fits CW-200, CW-202, Type E, and CW-300 torches		
4213-14	1955			
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR NATURAL GAS — OXYGEN	
16L02	3			
16L03	4			
16L04	6			
16L05	8			
16L06	10			
16L07	12			
		Compleat tip, medium preheat. Fits CW-200, CW-202, Type E torches. For Mapp or F-2 see style P-FS. Fits CW-300 torches.		

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HARRIS® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
H-FH	FH-1345	
STOCK NO.	SIZE	HIGH SPEED PROPYLENE MAP/PRO —OXYGEN
0816-2468	68	 
0816-2465	65	
0816-2460	60	
0816-2456	56	
0816-2454	54	
0816-2452	52	
0816-2449	49	
0816-2444	44	
		Two piece tip for machine cutting, 6290 style. Fits Harris 98-2 and 98-3 machine torches.
H-FS	FS-1355	
STOCK NO.	SIZE	GENERAL CUTTING PROPYLENE MAP/PRO —OXYGEN
0816-0272	72	 
0816-0268	68	
0816-0265	65	
0816-0260	60	
0816-0256	56	
0816-0254	54	
0816-0252	52	
0816-0249	49	
0816-0244	44	
		Two piece standard speed. 6290 style. Fits Harris 42-3, 49AF, 49F, 62-3 torches.
23-A-90	3021	
STOCK NO.	SIZE	WELDING ACETYLENE—OXYGEN
1600840	0	
1600850	1	
1600860	2	
1600870	3	
1600880	4	
1600890	5	
1600900	6	
1600910	7	
1600920	8	
1600930	9	
1600940	10	
		PROPANE—OXYGEN Sizes 6 to 10
		Tip end only. For general welding. Fits Harris 18-3, 43-2, 63-2, 85 torches with mixer. 23/64-26 thread.
2290-H	221	
STOCK NO.	SIZE	GENERAL WELDNG PROPANE OR—OXYGEN NATURAL GAS
1800130	1	 
1800140	2	
1800150	3	
1800160	4	
1800170	5	
		1/2-25 thread. For additional information see page 16.

HARRIS® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
3690	1369	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE—OXYGEN
1500660	1	 
1500670	2	
		One piece tip. Fits Harris 36-2, 36-3 torches.
5090	3509	
STOCK NO.	SIZE	WELDING ACETYLENE—OXYGEN
1601690	0	
1601700	1	
1601710	2	
1601730	3	
1601740	4	
1601760	5	
1601780	6	
1601800	7	
		Fits Harris 15-3, 16, 50-5 torches with mixer. 5/16-27 thread.
6290	1360	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE—OXYGEN
1500810	000	 
1500820	00	
1500830	0	
1500840	1	
1500850	2	
1500860	3	
1500870	4	
	5	
	6	
		Medium preheat, general hand cutting. Fits Harris 42-3, 62-3, 72, 72A, 73, 73A and 85 series torches.
6290-G	1300	
STOCK NO.	SIZE	GOUGING ACETYLENE—OXYGEN
1500910	1	 
1500920	2	
1500930	3	
		Fits Harris 42-3, 62-3, 72, 72A, 73 73A, 85 series torches.

HARRIS® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION		
6290-GG	1305			
STOCK NO.	SIZE	GOUGING	PROPANE OR—OXYGEN NATURAL GAS	
1500940	1			
1500950	2			
1500960	3			
		Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73 142 series torches.		
6290-N	1365			
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR—OXYGEN NATURAL GAS	
1500970	000			
1500980	00			
1500990	0			
1501000	1			
1501010	2			
	3			
	4			
		Light preheat, for general cutting. Two piece. Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73, 142 series torches.		
6290-NFF	1355			
STOCK NO.	SIZE	GENERAL WELDNG	PROPANE OR—OXYGEN NATURAL GAS	
	00			
	0			
1501020	1			
1501030	2			
1501040	3			
1501050	4			
1501060	5			
1501070	6			
		Heavy preheat, general cutting. Two piece. Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73, 142 series torches.		
6290-NH	1345-H			
STOCK NO.	SIZE	HEAVY CUTTING	PROPANE OR—OXYGEN NATURAL GAS	
1501120	5			
1501130	6			
1501140	7			
1501190	8			
		For heavy cutting of plate. Two piece. Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73, 142 series torches.		

HARRIS® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
6290-NX	1335		
STOCK NO.	SIZE	GENERAL CUTTING	PROPANE OR—OXYGEN NATURAL GAS
1501200	000		
1501210	00		
1501220	0		
1501230	1		
1501240	2		
1501250	3		
1501260	4		
1501270	5		
1501280	6		
		Medium preheat. For general cutting use. Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73, 142 series torches.	
6290-NXP	1386		
STOCK NO.	SIZE	GENERAL CUTTING	PROPYLENE—OXYGEN
1502154	0		
1502156	1		
1502158	2		
1502160	3		
		Medium preheat. For general cutting use. Fits Harris 42-3, 49AF, 49F, 62-3, 85, 72, 73, 142 series torches.	
6290-S	1363		
STOCK NO.	SIZE	HEAVY PREHEAT	ACETYLENE—OXYGEN
1501470	1		
1501480	2		
1501490	3		
1501500	4		
1501510	5		
1501520	6		
		General hand and machine cutting. Fits Harris 42-3, 62-3, 72, 72A, 73, 73A, 98-2, 98-3, 85, 142 series torches.	
6290-VVCU	1345		
STOCK NO.	SIZE	HIGH SPEED	PROPANE OR—OXYGEN NATURAL GAS
1502120	5/0		
1502121	4/0		
1502122	000		
1502123	00		
1502124	0		
1502125	0-1/2		
1502126	1		
1502127	1-1/2		
1502128	2		
1502129	2-1/2		
1502130	3		
1502131	4		
1502132	5		
—	5-1/2		
		High speed tips, for use in machine cutting. Fits Harris 98-2 and 98-3 machine torches	

KOIKE® Style Replacement Tips

KOIKE STYLE	REPLACEMENT
102	SEE AIRCO 164 Pg. 2 – Goss 830
103	SEE AIRCO A-FS Pg. 1 – Goss FS-825
103D7	SEE AIRCO A-FH Pg. 1 – Goss FH-825
106	SEE AIRCO 263 Pg. 2 – Goss 826
106M	SEE AIRCO 261 Pg. 2 – Goss 875

MARQUETTE® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
GW-6	1646	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE–OXYGEN
23-200	0	 
23-201	1	
23-202	2	
23-203	3	
23-204	4	
		Medium preheat. General hand and scrap cutting. Fits Marquette 20-110 super jet 21-110 star jet torches
M23108, 09	1369 1, 2	Same as Harris 3690. See Harris section for details.
M23114, 15	1360 000-6	Same as Harris 6290. See Harris section for details.
M23214, 15	1363 1 to 6	Same as Harris 6290-S. See Harris section for details.
M23314, 15	1335 000 to 6	Same as Harris 6290-NX. See Harris section for details.

MECO® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
AV	3060	
STOCK NO.	SIZE	WELDING ACETYLENE–OXYGEN
AV-00	00	
AV-0	0	
AV-1	1	
AV-2	2	
AV-3	3	
AV-4	4	
AV-5	5	
AV-6	6	
AV-7	7	
		Light duty welding and brazing. Fits aviator torches. 5/16 thread.
LA	1556	
STOCK NO.	SIZE	General Cutting ACETYLENE–OXYGEN
3510	00	  
3511	0	
3512	1	
3513	2	
3514	3	
3515	4	
3516	5	
3517	6	
		One piece. Fits weldmaster, cutmaster, SCA torches.
LM	1555	
STOCK NO.	SIZE	GENERAL CUTTING PROPANE OR NATURAL GAS –OXYGEN
3529	0	 
3530	1	
3531	2	
3532	3	
3533	4	
3534	5	
3535	6	
		Two piece. Medium preheat for cutting with propane or natural gas. Fits weldmaster, cutmaster, SCN torches.
WGH	220	
STOCK NO.	SIZE	HEATING TIP PROPANE OR NATURAL GAS
3345	1	 
3346	2	
3347	3	
3348	4	
3349	5	
		7/16-20 thread.

REXARC®/REGO® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
KX6	2132	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE—OXYGEN
KX6-68	68	   Medium preheat for hand cutting. Fits KXA, SXA, CWP 9000, 7000, 18000, 8720, 6808, 6912, 6916 torches.
KX66-62	62	
KX66-56	56	
KX6-53	53	
KX6-51	51	
KX6-46	46	
KX6-42	42	
KX6-35	35	

SMITH® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
MC-12	2272	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE—OXYGEN
MC12-00	00	  Medium duty hand cutting. Fits cutting assemblies Pipeliner MC505, MC509, Airliner AC305, AC309
MC12-0	0	
MC12-1	1	
MC12-2	2	
MC12-3	3	
MC12-4	4	
MW-200	3027	
STOCK NO.	SIZE	WELDING ACETYLENE—OXYGEN
MW-201	1	 With nut. General medium duty welding. Fits torch MW5.
MW-202	2	
MW-203	3	
MW-204	4	
MW-205	5	

SMITH® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
S-FS	FS-2295	
STOCK NO.	SIZE	GENERAL CUTTING PROPYLENE MAP/PRO —OXYGEN
0816-1172	72	  SC-90 style two piece tip. Fits cutting assemblies Silver Star, Pipeliner MC409 (72-56). Cutting torches Silver Star, Tuf-Tony (72-44)
0816-1168	68	
0816-1165	65	
0816-1160	60	
0816-1156	56	
0816-1154	54	
0816-1152	52	
0816-1144	44	
SC-12	2276	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE—OXYGEN
SC12-000	000	  For hand or machine cutting. Fits Silver Star (000-5). Cutting torches Tuf-Tony, Silver Star (000-7). Machine torches SC770, SC771, SC780A, SC782A (000-7)
SC12-00	00	
SC12-0	0	
SC12-1	1	
SC12-2	2	
SC12-3	3	
SC12-4	4	
SC12-5	5	
SC12-6	6	
SC12-7	7	
SC-50	2295	
STOCK NO.	SIZE	GENERAL CUTTING ROPANE OR NATURAL GAS — OXYGEN
SC50-00	00	  Two piece heavy preheat tip for hand and machine cutting. Fits torches Silver Star, Pipe Welders Special (00-5), Tuf-Tony (00-9). Fits machine torches SC770, SC771, (0-6). SC780A, SC781A, SC782A (00-9).
SC50-0	0	
SC50-1	1	
SC50-2	2	
SC50-3	3	
SC50-4	4	
SC50-5	5	
SC50-6	6	
SC50-7	7	
SC50-8	8	
SC50-9	9	

VICTOR® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
GPN	2355	GENERAL CUTTING PROPANE OR-OXYGEN NATURAL GAS  Medium preheat for hand and machine cutting. Fits 2450, CA 1060, CAN 1060, ST, SST, STN, 1400C, machine torches.	
STOCK NO.	SIZE		
000-GPN	000		
00-GPN	00		
0-GPN	0		
1-GPN	1		
2-GPN	2		
3-GPN	3		
4-GPN	4		
5-GPN	5		
6-GPN	6		
7-GPN	7		
8-GPN	8		
GPP	2359	GENERAL CUTTING PROPYLENE-OXYGEN  Hand or machine cutting. Fits 2450, CA 1060, ST, SST, 1400C, machine torches.	
STOCK NO.	SIZE		
0-GPP	0		
1-GPP	1		
2-GPP	2		
3-GPP	3		
4-GPP	4		
5-GPP	5		
HPN	2365	SCRAP CUTTING PROPANE OR-OXYGEN NATURAL GAS  Scrap cutting, beveling and piercing. Fits 2450, CA 1060, CAN 1060, ST, SST, STN, 1400C, machine torches.	
STOCK NO.	SIZE		
0-HPN	0		
1-HPN	1		
2-HPN	2		
3-HPN	3		
4-HPN	4		
5-HPN	5		
6-HPN	6		
		HTMP — Replace with Goss heating tip adaptor 2301-S and heating tip 241-S No. 2. See page 14.	

VICTOR® Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION		
HTN	—	Replace with Goss heating tip adaptor 2301 and heating tip 220 size 2. See page 14.		
MFA (TYPE 11)	3091			
STOCK NO.	SIZE	HEATING	ACETYLENE PROPYLENE-OXYGEN MAPP	
8-MFA	8		Multiflame nozzle, for preheating and straightening. •Use HD 310C torch with 3/8 hose, manifold if acetylene withdrawal rate exceeds 1/7 cylinder content per hour. Fits 300 series torches.	
10-MFA	10			
12-MFA	12•			
15-MFA	15•			
MFTA	—	Replace with Goss heating tip adaptor 2301 and heating tip 230 size 2. See page 14.		
MTHN	2367			
STOCK NO.	SIZE	HI-SPEED	PROPANE OR-OXYGEN NATURAL GAS	
00-MTHN	00			
0-MTHN	0			
1-MTHN	1			
2-MTHN	2			
3-MTHN	3			
4-MTHN	4			
5-MTHN	5			
		Machine cutting, two piece. Fits machine torches		

VICTOR®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
W (TYPE 4)	3031	
STOCK NO.	SIZE	WELDING ACETYLENE-OXYGEN
000-W	000	 Complete nozzle (nozzle nut included). General welding and preheating. Fits 300 series torches.
00-W	00	
0-W	0	
1-W	1	
2-W	2	
3-W	3	
4-W	4	
5-W	5	
6-W	6	
7-W	7	
8-W	8	
W-1 (TYPE 13)	3032	
STOCK NO.	SIZE	WELDING ACETYLENE-OXYGEN
000-W-1	000	 Complete nozzle (nozzle nut included). Long cone flame general welding and brazing. Fits 100 series torches.
00-W-1	00	
0-W-1	0	
1-W-1	1	
2-W-1	2	
3-W-1	3	
4-W-1	4	
5-W-1	5	
6-W-1	6	
7-W-1	7	
W-J (TYPE 17)	3033	
STOCK NO.	SIZE	WELDING ACETYLENE-OXYGEN
000-W-J	000	 Complete nozzle (nozzle nut included) tip for general light welding and brazing. Fits J series torches.
00-W-J	00	
0-W-J	0	
1-W-J	1	
2-W-J	2	
3-W-J	3	
4-W-J	4	
5-W-J	5	
6-W-J	6	
7-W-J	7	
1-101	2360	
STOCK NO.	SIZE	GENERAL CUTTING ACETYLENE-OXYGEN
000-1-101	000	  Machine preheat for hand and machine cutting. Fits 2460, CA 1060, ST, SST, 1400C machine torches.
00-1-101	00	
0-1-101	0	
1-1-101	1	
2-1-101	2	
3-1-101	3	
4-1-101	4	
5-1-101	5	
6-1-101	6	
7-1-101	7	
8-1-101	8	

VICTOR®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION
1-110	2361	
STOCK NO.	SIZE	DRAW TYPE ACETYLENE-OXYGEN
00-1-110	00	  Light preheat for plate cutting. Fits 2460, CA 1060, ST, SST, 1400C machine torches
0-1-110	0	
1-1-110	1	
2-1-110	2	
1-112	2363	
STOCK NO.	SIZE	RIVET CUTTING ACETYLENE-OXYGEN
00-1-112	00	  Hand cutting for bulkhead rivets. Fits 2460, CA 1060, ST, SST, 1400C torches.
0-1-112	0	
1-1-112	1	
2-1-112	2	
3-1-112	3	
4-1-112	4	
1-118	2368	
STOCK NO.	SIZE	GOUGING ACETYLENE-OXYGEN
0-1-118	0	  Gouging, scarfing and descaling. Fits 2460, CA 1060, ST, SST, 1400C torches.
2-1-118	2	
4-1-118	4	
6-1-118	6	
8-1-118	8	
2V-FS (GPM)	FS-2385	
STOCK NO.	SIZE	GENERAL CUTTING PROPYLENE -OXYGEN MAP/PRO
0816-1672	72(000)	  Hand cutting of bulkhead rivets. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches.
0816-1668	68(00)	
0816-1665	65	
0816-1660	60(0)	
0816-1656	56(1)	
0816-1654	54(2)	
0816-1652	52	
0816-1649	49(3)	
0816-1644	44(4)	
0816-1638	38(5)	

VICTOR®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
2V-SP (1-303MP)	SP-2385		
STOCK NO. 0856-2360 0856-2356 0856-2354 0856-2352 0856-2349	SIZE 60(0) 56(1) 54(2) 52 49(3)	GENERAL CUTTING	MAPP-OXYGEN
			
		One piece standard speed tip. Similar to Victor 1-303M. Fits 2460, CA 1060, ST, SST, 1400C machine torches.	
3-GPN	2345		
STOCK NO. 00-3-GPN 0-3-GPN 1-3-GPN 2-3-GPN 3-3-GPN 4-3-GPN 5-3-GPN	SIZE 00 0 1 2 3 4 5	GENERAL CUTTING	PROPANE OR-OXYGEN NATURAL GAS
			
		Two piece medium preheat series 3 tip. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches	
3-GPP	2349		
STOCK NO. 0-3-GPP 1-3-GPP 2-3-GPP 3-3-GPP 4-3-GPP 5-3-GPP	SIZE 0 1 2 3 4 5	GENERAL CUTTING	PROPYLENE-OXYGEN
			
		General purpose hand and machine cutting. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches	
3V-FS (3-GPM)	FS-2395		
STOCK NO. 0816-1768 0816-1765 0816-1760 0816-1756 0816-1754 0816-1752 0816-1749	SIZE 68(00) 65 60(0) 56(1) 54(2) 52 49(3)	GENERAL CUTTING	MAPP-OXYGEN
			
		Two piece standard speed tip. Similar to Victor 3-GPM. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches.	

VICTOR®

Style Replacement Tips

STYLE NO.	GOSS NO.	PRODUCT INFORMATION	
3-101	2341		
STOCK NO. 000-3-101 00-3-101 0-3-101 1-3-101 2-3-101 3-3-101 4-3-101 5-3-101 6-3-101	SIZE 000 00 0 1 2 3 4 5 6	GENERAL CUTTING	ACETYLENE-OXYGEN
			
		Medium preheat hand cutting. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches.	
3-118	2348		
STOCK NO. 2-3-118	SIZE 2	GOUGING	ACETYLENE-OXYGEN
			
		Medium preheat. Gouging – Rivet washing, tip. Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 torches.	
5-101	2320		
STOCK NO. 00-5-101 0-5-101 1-5-101 2-5-101 3-5-101	SIZE 00 0 1 2 3	GENERAL CUTTING	ACETYLENE-OXYGEN
			
		Medium preheat hand cutting tip. Fits CA 1250 attachment.	
5-200	2325		
STOCK NO. 0-5-200 1-5-200 2-5-200	SIZE 0 1 2	GENERAL CUTTING	PROPANE OR-OXYGEN NATURAL GAS
			
		Two piece series 5 tip. Fits CA 1250 attachment.	

THE ECONOMY LINE

Cutting Tips and Tip Connectors

- **STANDARDIZES ALL STYLE OF TORCHES**
- **PROTECTS SEAT OF TORCH HEAD**
- **INSURES ECONOMICAL TIP REPLACEMENT COSTS**

**ECONOMY
CONNECTOR**



TIP NUT
(included with connector)



**ECONOMY
TIP**



SEAT STYLE	GOSS CONNECTOR NO.	SEAT STYLE	GOSS CONNECTOR NO.
Airco	AD-820	Purox	AD-1950
Air Products (Conical)	AD-820	Smith SC	AD-2276
Harris 6290	AD-1360	Victor® (1 Series)	AD-2360

GOSS ECONOMY CUTTING TIPS AND TIP NUT

Part No.	Used With	Size of Tip	Number of Preheat
725 Tip	Propane	0-6	12-16
703 Tip Nut	—	—	—

HEATING TIPS AND ADAPTORS

HEATING TIPS

See Performance
Chart Page 26

220
221

230
231



FOR USE WITH	PART NO.	TIP SIZES	THREAD SIZE
LP OR NATURAL GAS	220	1-2-3-4-5	7/16—20
	221	1-2-3-4-5	1/2—25
ACETYLENE GAS	230	1-2-3	7/16—20
	231	1-2-3	1/2—25

NOTE: No. 1 Tip — 11/16 dia. No. 2 Tip — 11/16 dia. No. 3 Tip — 13/16 dia. No. 4 Tip — 1-5/16 dia. No. 5 Tip — 1-5/8 dia.

HEATING TIP ADAPTORS FOR CUTTING TORCHES

SEAT STYLE	Goss Part No.	Thread
 SMITH SC	2271	7/16-20
	2271-S	1/2-25
 VICTOR 1 SERIES	2301	7/16-20
	2301-S	1/2-25

SEAT STYLE	Goss Part No.	Thread
 HARRIS 6290	1361	7/16-20
	1361-S	1/2-25
 AIRCO AIR PRODUCTS (Conical)	801	7/16-20
	801-S	1/2-25

HEATING TIP CHART – 220 & 221 STYLE TIPS

SIZE	OXYGEN PRESSURE (PSIG)	OXYGEN FLOW (CFH)	PROPANE PRESSURE (PSIG)	PROPANE FLOW (CFH)	APPROX HEAT OUTPUT (BTU/HR)
1	10- 25	160- 320	4-12	40- 80	100,000- 200,000
2	15- 45	220- 520	7-20	55-125	140,000- 330,000
3	25- 65	340- 900	8-20	80-230	215,000- 550,000
4	50- 110	640- 1300	10-30	160-320	400,000- 800,000
5	60- 130	700- 1600	13-40	180-400	450,000- 1,000,000

Note: 1. Use 3/8" hose with all tips.
2. No. 4 & No. 5 may require increased pressures if hose length is over 25 ft.

HEATING TIP CHART – 230 & 231 STYLE TIPS

SIZE	ACET PSIG	APPROXIMATE CFH	APPROX HEAT OUTPUT (BTU/HR)
1	3- 6 lb	13- 23	19,000- 33,000
2	5- 9 lb	25- 45	36,000- 66,000
3	10- 14 lb	60- 140	88,500- 200,500

WARNING: At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/10 of the cylinder content pre hour for intermittent use and 1/15 of the cylinder content per hour for continuous use. If additional flow capacity is required, use an acetylene manifold system of sufficient size to supply the necessary volume.

REPLACEMENT TIP NUTS

MFG. TORCH AND TORCH STYLES		TIP NUT STOCK NO.	GOSS NO.
AIRCO	3700, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000, 9500	831-2259	803
AIR PRODUCTS (Internal Thread)		229-U-360000	1403
AIR PRODUCTS (External Thread)		229-8-360656	803
HARRIS	6290 Tips	6259B	1362-B
MECO	Weldmaster, Cutmaster	1641	1503
OXWELD	CW-23, C-31, C-32, C-66, C-77 C-37, C-39, C-58, C-67	33A56	1703
PUROX	CW-200, CW-202, E	802	1903
SMITH	SC Tips	G900-41A	2204
VICTOR®	CA 1260, CA 1350, C 1450, CA 2060, CST 800, C 1400 (3 Series Tips)	0309-0003	2303
VICTOR®	2450, CA 1060, CAN 1060, ST, SST, STN, 1400C, MT, MTN (1 Series Tips)	0309-0018	2353

CUTTING TIP CHART

MATERIAL THICKNESS	1/8	1/4	1/2	3/4	1	1-1/2	2	4	5	6	8	10	12
RECOMMENDED TIP NUMBER AND DRILL SIZE	00 68	0 60	1 56	1 56	2 54	2 54	3 52	3 49	4 44	6 38	6 31	7 28	8
OXYGEN PRESSURE SETTING LB/IN ² g	20-25	25-30	30-35	30-35	35-40	40-45	40-45	40-50	45-55	45-55	45-55	45-55	45-55
FUEL GAS PRESSURE SETTING LB/IN ² g	3-5	3-5	3-5	3-5	3-7	3-7	5-10	5-10	6-12	7-13	8-14	10-15	10-15
CUTTING IN / MIN	27-30	26-29	20-24	17-21	14-18	13-17	12-15	8-11	7-9	6-8	5-6	4-5	3-4

WELDING TIP CHART

Tip Size	Drill Size	Oxygen Pressure P.S.I.		Acetylene Pressure P.S.I.		Acetylene Consumption CFH*		Metal Thickness
		Min.	Max.	Min.	Max.	Min.	Max.	
000	75	1/2	2	1/2	2	1/2	3	up to 1/32"
00	70	1	2	1	2	1	4	1/64"-3/64"
0	65	1	3	1	3	2	6	1/32"-5/64"
1	60	1	4	1	4	4	8	3/64"-3/32"
2	56	2	5	2	5	7	13	1/16"-1/8"
3	53	3	7	3	7	8	36	1/8"-3/16"
4	49	4	10	4	10	10	41	3/16"-1/4"
5	43	5	12	5	15	15	59	1/4"-1/2"
6	36	6	14	6	15	55	127	1/2"-3/4"
7	30	7	16	7	15	78	152	3/4"-1-1/4"
8	29	9	19	8	15	81	160	1-1/4"-2"
9	28	10	20	9	15	90	166	2"-2-1/2"
10	27	11	22	10	15	100	169	2-1/2"-3"
11	26	13	24	11	15	106	175	3"-3-1/2"
12	25	14	28	12	15	111	211	3-1/2"-4"

Gas consumption data is merely for rough estimating purposes. It will vary greatly on the material being welded and the particular skill of the operator.

Pressures are approximate for hose length up to 25 ft. Increase for longer hose lengths about 1 psi per 25 feet.

* Oxygen consumption is 1.1 times the acetylene under neutral flame conditions

SAFETY INFORMATION

Listed below are various standards that provide detailed safety instruction. It is recommended that prior to using any welding, cutting or heating equipment, you fully understand and comply with these or other current safety standards.

1. AWS Standard A6.0, WELDING AND CUTTING CONTAINERS WHICH HAVE HELD COMBUSTIBLES, obtainable from the American Welding Society, 550 Le Jeune Road, P.O. Box 351040, Miami, FL 33135.
2. NFPA Standard 51, OXYGEN-FUEL GAS SYSTEMS FOR WELDING AND CUTTING, obtainable from the National Fire Prevention Association 470 Atlantic Avenue, Boston, MA 02210.
3. NFPS STANDARD 51B, CUTTING AND WELDING PROCESSES, obtainable from the National Fire Prevention Association, 470 Atlantic Avenue, Boston, MA 02210.
4. CGA Pamphlet P-1, SAFE HANDLING OF COMPRESSED GASES IN CYLINDERS, obtainable from the Compressed Gas Association, 500 Fifth Avenue, New York, NY 10036.
5. CSA Standard W117.2, CODE FOR SAFETY IN WELDING AND CUTTING, obtainable from the Canadian Standards Association, Standard Sales, 178 Rexdale Blvd., Rexdale, Ontario, Canada M9W 1R3.
6. ANSI Standard Z88.2, PRACTICE FOR RESPIRATORY PROTECTION, obtainable from the American National Standards Institute, 1430 Broadway, New York, NY 10018.
7. ANSI Standard Z49.1, SAFETY IN WELDING AND CUTTING, obtainable from the American Welding Society, 550 Le Jeune Road, P.O. Box 351040, Miami, FL 33135.
8. OSHA, OCCUPATIONAL SAFETY AND HEALTH STANDARDS, 29CFR 1910, obtainable from the U.S. Department of Labor, Washington, DC 20210.
9. ANSI Standard Z87.1, SAFETY PRACTICES FOR OCCUPATION AND EDUCATION EYE AND FACE PROTECTION, obtainable from the American National Standards Institute, 1430 Broadway, New York, NY 10018.
10. ANSI Standard Z41.1, STANDARD FOR SAFETY TOE FOOTWEAR, obtainable from the American National Standards Institute, 1430 Broadway, New York, NY 10018.
11. ANSI Standard Z49.2, FIRE PREVENTION IN USE OF CUTTING AND, WELDING PROCESSES, obtainable from the American National Standards Institute, 1430 Broadway, New York, NY 10018.

[illegible]

CROSS REFERENCE TO GOSS NUMBERS

AIRCO®	GOSS
A-FH	FH-825
A-FS	FS-825
A-SP	SP-825
124	810
138	840
144	820
164	830
183	807
185	807-S
261	875
263	826
275	872
91	3051
98	3040
AIR PRODUCTS®	GOSS
121	1460
159	1476
461	221
CRAFTSMAN®	GOSS
954436	1369
954441	3021

DOCKSON®	GOSS
C-6	1060
ESAB®/ OXWELD®	GOSS
O-FH	FH-1735
O-FS	FS-1734
1501	1750
1502	1760
1511	1770
1534	1734
1535	1735
ESAB®/ PUROX®	GOSS
P-FS	FS-1955
P-SP	SP-1955
4202	1952
4203	1965
4207	1957
4213	1955
W-300	3025
HARRIS®	GOSS
H-FH	FH-1345
H-FS	FS-1355
2290-H	221
3690	1369
6290	1360
6290-G	1300

6290-GG	1305
6290-N	1365
6290-NFF	1355
6290-NH	1345-H
6290-NX	1335
6290-NXP	1386
6290-S	1363
6290-VVCU	1345
23-A-90	3021
5090	3509
MARQUETTE®	GOSS
GW-6	1646
MECO®	GOSS
LA	1556
LM	1555
WGH	220
AV	3060
REGO®	GOSS
KX-6	2132
SMITH®	GOSS
MC-12	2272
S-FS	FS-2295
SC-12	2276
SC-50	2295
MW-200	3027

VICTOR®	GOSS
GPN	2355
GPP	2359
HPN	2365
MTHN	2367
1-101	2360
1-110	2361
1-112	2363
1-118	2368
2V-FH	FH-2385
2V-FS	FS-2385
2V-SP	SP-2385
3-GPN	2345
3-GPP	2349
3V-FS	FS-2395
3-101	2341
3-118	2348
5-101	2320
5-200	2325
MFA	3091
RTE	3130
W	3031
W-I	3032
W-J	3033

Accuracy as to part numbers and information is not guaranteed in this catalog.

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800-367-4677 / 800-438-4677 IN PA.

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