

CUT CHARTS



1-101 & 3-101 STYLES

1-101 = Heavy Duty WH-315 Handle

3-101 = Medium Duty WH-100 Handle

Metal Thickness	Tip Size	Cutting Oxygen (PSIG)	Preheat Oxygen (PSIG)	Acetylene (PSIG)	Speed I.P.M.	Kerf Width
1/8"	000	20/25	3/5	3/5	28/32	.04
1/4"	00	20/25	3/5	3/5	27/30	.05
3/8"	0	20/30	3/5	3/5	24/28	.06
1/2"	0	30/35	3/6	3/5	20/24	.06
3/4"	1	30/35	4/7	3/5	17/21	.07
1"	2	35/40	4/9	3/6	15/19	.09
1-1/2"	2	40/45	4/12	3/7	13/17	.09
2"	3	40/45	5/14	4/9	12/15	.11
2-1/2"	3	45/50	5/16	4/10	10/13	.11
3"	4	40/50	6/17	5/10	9/12	.12
4"	5	45/55	7/18	5/12	8/11	.15
5"	5	50/55	7/20	5/13	7/9	.15
6"	6	45/55	10/22	7/13	6/8	.18
8"	6	45/55	10/25	7/14	5/6	.19
10"	7	45/55	15/30	10/15	4/5	.34
12"	8	45/55	20/35	10/15	3/5	.41



CAUTION: At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/7 of the cylinder contents. If additional flow capacity is required, use an acetylene manifold system of sufficient size to supply the necessary volume.



CUT CHARTS

OXY-FUEL

Compatible with Victor ®

W & W-1 STYLES

W = Heavy Duty WH-315 Handle W-1 = Medium Duty WH-100 Handle **CAUTION:** At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/7 of the cylinder contents. If additional flow capacity is required, use an acetylene manifold system of sufficient size to supply the necessary volume.

Welding Nozzle Flow Data

Metal Thickness	Tip Size	Drill Size	Oxygen Pressure		Acetylene Pressure		Acetylene Usage	
			min	max	min	max	min	max
up to 1/32"	000	75 (.022)	3	5	3	5	1	2
1/16"-3/64"	00	70 (.028)	3	5	3	5	1 1/2	3
1/32"-5/64"	0	65 (.035)	3	5	3	5	2	4
3/64"-3/32"	1	60 (.040)	3	5	3	5	3	6
1/16"-1/8"	2	56 (.046)	3	5	3	5	5	10
1/8"-3/16"	3	53 (.060)	4	7	3	6	8	18
3/16"-1/4"	4	49 (.073)	5	10	4	7	10	25
1/4"-1/2"	5	43 (.089)	6	12	5	8	15	35
1/2"-3/4"	6	36 (.106)	7	14	6	9	25	45
3/4"1 1/4"	7	30 (.128)	8	16	8	10	30	60
1 1/4"-2"	8	29 (.136)	10	19	9	12	35	75
2 1/2"-3"	10	27 (.144)	12	24	12	15	50	100
3 1/2"-4"	12*	25 (.149)	18	28	12	15	80	160



MFA & MFA-1 STYLES

MFA = Heavy Duty WH-315 Handle MFA-1 = Medium Duty WH-100 Handle

MFA Heating Nozzles

Tip Size	Acetylene Pressure Range (PSIG)	Oxygen Pressure Range (PSIG)	Acetylene Cubic Feet Per Hour		Oxygen Cubic Feet Per Hour		BTU Per Hour
			min	max	min	max	
4	6-10	8-12	6	20	7	22	**
6	8-12	10-15	14	40	15	44	**
10	12-15	30-40	40	100	44	110	See below**
12*	12-15	50-60	60	150	66	165	**
15*	12-15	50-60	90	200	99	244	**



† 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.

 $^{^{\}star}\text{Use}$ model HD310C torch and 3/8 hose. $^{\star\star}\text{Approximately}$ 1470 gross BTU per cubic foot.