

# Cutting Tips

## SERIES 1 - ACETYLENE

### Victor Series 1 Type 101



- General purpose
- Hand and machine torch cutting

Metal Thickness (Inches)	Size	Part No.	Cutting Oxygen *** (psig)	Cutting Oxygen (SCFH)	Preheat Oxygen *(psig)	Preheat Oxygen (SCFH)	Acetylene (psig)	Acetylene **** (SCFH)	Speed ipm	Kerf Width
1/8"	000	0330-0003	20 / 25	20 / 25	3 / 5	3 / 5	3 / 5	3 / 5	28 / 32	.04
1/4"	00	0330-0004	20 / 25	30 / 35	3 / 5	4 / 6	3 / 5	4 / 6	27 / 30	.05
1/4"	00	0387-0133#	20 / 25	30 / 35	3 / 5	4 / 6	3 / 5	4 / 6	27 / 30	.05
3/8"	0	0330-0012	25 / 30	55 / 60	3 / 5	5 / 9	3 / 5	5 / 8	24 / 28	.06
3/8"	0	0387-0134#	25 / 30	55 / 60	3 / 5	5 / 9	3 / 5	5 / 8	24 / 28	.06
1/2"	0	0330-0012	30 / 35	60 / 65	3 / 6	7 / 11	3 / 5	6 / 10	20 / 24	.06
1/2"	0	0387-0134#	30 / 35	60 / 65	3 / 6	7 / 11	3 / 5	6 / 10	20 / 24	.06
3/4"	1	0330-0005	30 / 35	80 / 85	4 / 7	9 / 14	3 / 5	8 / 13	17 / 21	.07
3/4"	1	0387-0135#	30 / 35	80 / 85	4 / 7	9 / 14	3 / 5	8 / 13	17 / 21	.07
1"	2	0330-0006	40 / 45	150 / 160	4 / 12	13 / 20	3 / 7	12 / 18	13 / 17	.09
1"	2	0387-0136#	40 / 45	150 / 160	4 / 12	13 / 20	3 / 7	12 / 18	13 / 17	.09
1 1/2"	2	0330-0006	40 / 45	150 / 160	4 / 12	13 / 20	3 / 7	12 / 18	13 / 17	.09
1 1/2"	2	0387-0136#	40 / 45	150 / 160	4 / 12	13 / 20	3 / 7	12 / 18	13 / 17	.09
2"	3	0330-0002	40 / 45	210 / 225	5 / 14	15 / 24	4 / 9	14 / 22	12 / 15	.11
2 1/2"	3	0330-0002	45 / 50	225 / 240	5 / 16	18 / 29	4 / 10	16 / 26	10 / 13	.11
3"	4	0330-0007	40 / 50	270 / 320	6 / 17	20 / 33	5 / 10	18 / 30	9 / 12	.12
4"	5	0330-0008	45 / 55	390 / 425	7 / 18	24 / 37	5 / 12	22 / 34	8 / 11	.15
5"	5	0330-0008	50 / 55	425 / 450	7 / 20	29 / 41	5 / 13	26 / 38	7 / 9	.15
6"	6**	0330-0009	45 / 40	500 / 600	10 / 22	33 / 48	7 / 13	30 / 44	6 / 8	.18
8"	6**	0330-0009	45 / 55	500 / 600	10 / 25	37 / 55	7 / 14	34 / 50	5 / 6	.19
10"	7**	0330-0013	45 / 55	700 / 850	15 / 30	44 / 62	10 / 15	40 / 56	4 / 5	.34
12"	8**	0330-0014	45 / 55	900 / 1000	20 / 35	53 / 68	10 / 15	48 / 62	3 / 5	.41

### G-Series Series 1 Type 101

Metal Thickness (Inches)	Size	Part no.	Model no.	Cutting Oxygen *** (psig)	Cutting Oxygen (SCFH)	Preheat Oxygen *(psig)	Preheat Oxygen (SCFH)	Acetylene (psig)	Acetylene **** (SCFH)	Speed ipm	Kerf Width
1/8"	000	6700C2408	CS1101000	20 / 25	20 / 25	3 / 5	3 / 5	3 / 5	3 / 5	28 / 32	.04
1/4"	00	6700C2409	CS1101000	20 / 25	30 / 35	3 / 5	4 / 6	3 / 5	4 / 6	27 / 30	.05
3/8"	0	6700C2410	CS11010	25 / 30	55 / 60	3 / 5	5 / 9	3 / 5	5 / 8	24 / 28	.06
1/2"	0	6700C2410	CS11010	30 / 35	60 / 65	3 / 6	7 / 11	3 / 5	6 / 10	20 / 24	.06
3/4"	1	6700C2411	CS11011	30 / 35	80 / 85	4 / 7	9 / 14	3 / 5	8 / 13	17 / 21	.07
1"	2	6700C2412	CS11012	35 / 40	140 / 150	4 / 9	11 / 18	3 / 6	10 / 16	15 / 19	.09
1 1/2"	2	6700C2412	CS11012	40 / 45	150 / 160	4 / 12	13 / 20	3 / 7	12 / 18	13 / 17	.09
2"	3	6700C2413	CS11013	40 / 45	210 / 225	5 / 14	15 / 24	4 / 9	14 / 22	12 / 15	.11
2 1/2"	3	6700C2413	CS11013	45 / 50	225 / 240	5 / 16	18 / 29	4 / 10	16 / 26	10 / 13	.11
3"	4	6700C2414	CS11014	40 / 50	270 / 320	6 / 17	20 / 33	5 / 10	18 / 30	9 / 12	.12
4"	5	6700C2415	CS11015	45 / 55	390 / 425	7 / 18	24 / 37	5 / 12	22 / 34	8 / 11	.15
5"	5	6700C2415	CS11015	50 / 55	425 / 450	7 / 20	29 / 41	5 / 13	26 / 38	7 / 9	.15
6"	6**	6700C2416	CS11016	45 / 40	500 / 600	10 / 22	33 / 48	7 / 13	30 / 44	6 / 8	.18
8"	6**	6700C2416	CS11016	45 / 55	500 / 600	10 / 25	37 / 55	7 / 14	34 / 50	5 / 6	.19
10"	7**	6700C2417	CS11017	45 / 55	700 / 850	15 / 30	44 / 62	10 / 15	40 / 56	4 / 5	.34
12"	8**	6700C2418	CS11018	45 / 55	900 / 1000	20 / 35	53 / 68	10 / 15	48 / 62	3 / 5	.41

CUTTING TIPS

Data compiled using mild steel as test material.

\* Applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.

\*\* For best results use ST2600FC series torches and 3/8" hose when using tip size 6 or larger.

\*\*\* All pressures are measured at the regulator using 25' x 1/4" hose through tip size 5 and 25' x 3/8" hose for tip size 6 and larger.

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

# Clam Shell Packaging

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