

CUTTING TIPS

GENTEC Cutting Tips are precision machined from high quality copper alloys for durability. The gas passages for single piece acetylene tips are accurately swage-formed and shaped on polished mandrels for smooth, efficient gas flow. Two piece tips for alternate fuel gases feature an internal spline configuration that is of the latest design, offering the optimum in cutting performance. High speed cutting tips feature stainless steel insert core for longer life. All tips are 100% flame tested.

VICTOR® STYLE CUTTING TIPS

Series Number	Victor® Equivalent	Sizes Available	Type	Gases
172C	3-101	000-6	1 PIECE	ACETYLENE
172CN	3-GPN	000-5	2 PIECE	NATURAL GAS/PROPANE
172CP	3-GPP	0,1,2	2 PIECE	PROPYLENE/MAPP®
173C	1-101	000-8	1 PIECE	ACETYLENE
173CN	GPN	000-8	2 PIECE	NATURAL GAS/PROPANE
173CP	GPP	00-4	2 PIECE	PROPYLENE/MAPP®
173CM	GPM	0,1,2	2 PIECE	MAPP®

VICTOR® STYLE SCARFING - GOUGING TIPS

Series Number	Victor® Equivalent	Sizes Available	Type	Gases
172CG	3-118	2	1 PIECE	ACETYLENE
173CG	1-118	0, 2, 4	1 PIECE	ACETYLENE
173CGN	1-234	2	1 PIECE	Natural Gas/Propane

VICTOR® STYLE MACHINE TORCH HIGH SPEED CUTTING TIPS

- Stainless Steel Inner Core

Series Number	Victor® Equivalent	Sizes Available	Type	Gases
173CHP	MTHP	00-3	2 PIECE	PROPYLENE/MAPP®
173CHN	MTHN	00-3	2 PIECE	NATURAL GAS/PROPANE

HARRIS® STYLE CUTTING TIPS

Series Number	Harris® Equivalent	Sizes Available	Type	Gases
472C	6290	000-6	1 PIECE	ACETYLENE
472CN	6290NX	000-6	2 PIECE	NATURAL GAS/PROPANE

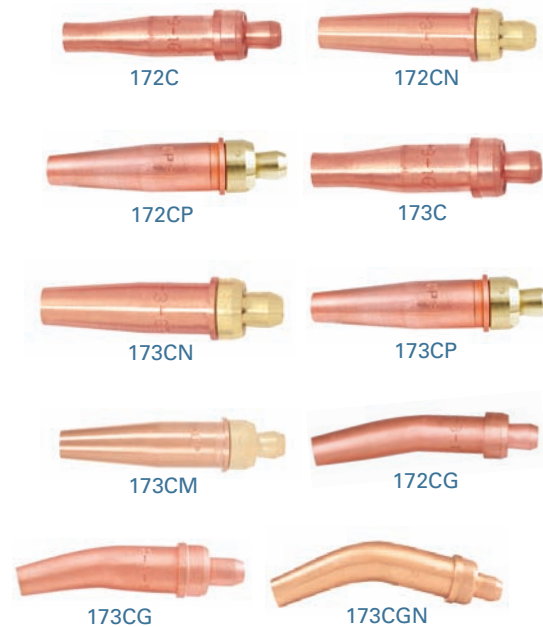
HARRIS® STYLE MACHINE TORCH HIGH SPEED CUTTING TIPS

- Stainless Steel Inner Core

Series Number	Harris® Equivalent	Sizes Available	Type	Gases
473CHN	6290-VVC + SS Inner Core	0-4	2 PIECE	Natural Gas/Propane

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CONCOA®/AIRCO® STYLE CUTTING TIPS

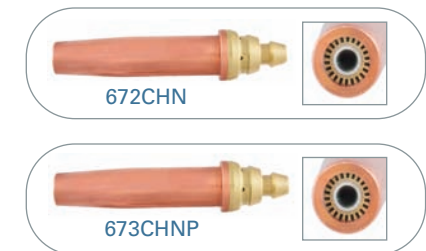
Series Number	Concoa®/Airco® Equivalent	Sizes Available	Type	Gases
672C	144	0-2	1 PIECE	ACETYLENE
673C	164	0-2	1 PIECE	ACETYLENE



KOIKE/AIRCO® STYLE MACHINE TORCH HIGH SPEED CUTTING TIPS

- Stainless Steel Inner Core

Series Number	Koike Equivalent	Sizes Available	Type	Gases
672CHN	107D7	0-5	2 PIECE	NATURAL GAS
673CHNP	106D7	0-5	2 PIECE	PROPANE/PROPYLENE



SMITH® STYLE CUTTING TIPS

Series Number	Smith® Equivalent	Sizes Available	Type	Gases
572C	MC12	0-3	1 PIECE	ACETYLENE
572CN	MC40	1, 2	2 PIECE	NATURAL GAS/PROPANE
573C*	SC12	1, 2	1 PIECE	ACETYLENE

* 573C Series can also be used on Machine Torch



ESAB/PUROX® STYLE CUTTING TIPS

Series Number	ESAB/Purox® Equivalent	Sizes Available	Type	Gases
772C	4202/16K	3, 4, 5	1 PIECE	ACETYLENE



TECHNICAL DATA

172C & 173C Oxy-Acetylene Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Acetylene (PSIG)	Acetylene (SCFH)
000	1/8"	28 / 32	20 / 25	20 / 25	3/5	3 / 5	3 / 5	3 / 5
00	1/4"	27 / 30	20 / 25	30 / 35	3/5	4 / 6	3 / 5	4 / 6
0	3/8"	24 / 28	25 / 30	55 / 60	3/5	5 / 9	3 / 5	5 / 8
0	1/2"	20 / 24	30 / 35	60 / 65	3/6	7 / 11	3 / 5	6 / 10
1	3/4"	17 / 21	30 / 35	80 / 85	4/7	9 / 14	3 / 5	8 / 10
2	1"	15 / 19	35 / 40	140 / 150	4/9	11 / 18	3 / 6	10 / 16
2	1-1/2"	13 / 17	40 / 45	150 / 160	4/12	13 / 20	3 / 7	12 / 18
3	2"	12 / 15	40 / 45	210 / 225	5/14	15 / 24	4 / 9	14 / 22
3	2-1/2"	10 / 13	45 / 50	225 / 240	5/16	18 / 29	4 / 10	16 / 26
4	3"	9 / 12	40 / 50	270 / 320	6/17	20 / 33	5 / 10	18 / 30
5	4"	8 / 11	45 / 55	390 / 425	7/18	24 / 37	5 / 12	22 / 34
5	5"	7 / 9	50 / 55	425 / 450	7/20	29 / 41	5 / 13	26 / 38
6	6"	6 / 8	45 / 55	500 / 600	10/22	33 / 48	7 / 13	30 / 44
6	8"	5 / 6	45 / 55	500 / 600	10/25	37 / 55	7 / 14	34 / 50
7	10"	4 / 5	45 / 55	700 / 850	15/30	44 / 62	10 / 15	40 / 56
8	12"	3 / 5	45 / 55	900 / 1000	20/35	53 / 88	10 / 15	48 / 62

172CN & 173CN Oxy-Propane/Natural Gas Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Fuel Gas (PSIG)	Fuel Gas (SCFH)
000	1/8"	24 / 28	20 / 25	12 / 14	20/25	23 / 108	3 / 5	5 / 6
00	1/4"	21 / 25	20 / 25	22 / 26	20/25	23 / 108	3 / 5	5 / 7
0	3/8"	20 / 24	25 / 30	45 / 55	20/25	23 / 108	3 / 5	8 / 10
0	1/2"	18 / 22	30 / 35	50 / 55	20/25	23 / 108	3 / 5	8 / 10
1	3/4"	15 / 20	30 / 35	70 / 80	20/25	23 / 108	4 / 6	10 / 12
2	1"	14 / 18	35 / 40	115 / 125	20/25	23 / 108	4 / 8	12 / 15
2	1-1/2"	12 / 16	40 / 45	125 / 135	20/25	23 / 108	5 / 9	12 / 15
3	2"	10 / 14	40 / 50	150 / 175	20/25	23 / 108	5 / 9	14 / 18
3	2-1/2"	9 / 12	45 / 50	175 / 200	20/25	23 / 108	6 / 10	14 / 18
4	3"	8 / 11	45 / 50	210 / 250	20/25	23 / 108	8 / 12	16 / 20
5	4"	7 / 10	45 / 55	300 / 360	20/25	23 / 108	8 / 12	20 / 30
5	5"	6 / 9	50 / 55	330 / 360	20/25	23 / 108	8 / 12	20 / 30
6	6"	5 / 7	45 / 55	400 / 500	20/25	38 / 153	10 / 15	25 / 35
6	8"	4 / 6	55 / 65	450 / 500	20/25	38 / 153	10 / 15	25 / 35

Airco® is a registered trademark of BOC Group, Inc. Concoa® is a registered trademark of Controls Corps. of America. PUROX® & ESAB® are registered trademarks of ESAB® Welding & Cutting Products; SMITH EQUIPMENT® is a registered trademark of Smith Equipment Manufacturing Co. These company are not associated with Genstar Technologies Co., Inc.

* Only applicable for three-hose machine torches.

172CP, 173CP & 173CM Oxy-Propylene/MAPP® Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Fuel Gas (PSIG)	Fuel Gas (SCFH)
00	1/4"	21 / 25	20 / 25	22 / 26	20/25	23 / 108	3 / 5	5 / 7
0	3/8"	20 / 24	25 / 30	45 / 55	20/25	23 / 108	3 / 5	8 / 10
0	1/2"	18 / 22	30 / 35	50 / 55	20/25	23 / 108	3 / 5	8 / 10
1	3/4"	15 / 20	30 / 35	70 / 80	20/25	23 / 108	4 / 6	10 / 12
2	1"	14 / 18	35 / 40	115 / 125	20/25	23 / 108	4 / 8	12 / 15
2	1-1/2"	12 / 16	40 / 45	125 / 135	20/25	23 / 108	5 / 9	12 / 15
3	2"	10 / 14	40 / 45	150 / 175	20/25	23 / 108	5 / 9	14 / 18
3	2-1/2"	9 / 12	45 / 50	175 / 200	20/25	23 / 108	6 / 10	14 / 18
4	3"	8 / 11	45 / 50	210 / 250	20/25	23 / 108	8 / 12	16 / 20

173CHP Oxy-Propylene/MAPP® High Speed Cutting Tips 173CHN Oxy-Propane/Natural Gas High Speed Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Fuel Gas (PSIG)	Fuel Gas (SCFH)
00	1/4"	23 / 30	85 / 95	68 / 75	10/50	23 / 140	5 UP	12 / 65
00	3/8"	22 / 29	85 / 95	68 / 75	10/50	23 / 140	5 UP	12 / 65
0	1/2"	20 / 28	85 / 95	110 / 120	10/50	23 / 140	5 UP	12 / 65
0	3/4"	18 / 26	85 / 95	110 / 120	10/50	23 / 140	5 UP	12 / 65
1	1"	17 / 24	85 / 95	145 / 160	10/50	23 / 140	5 UP	12 / 65
1	1-1/4"	16 / 20	85 / 95	145 / 160	10/50	23 / 140	5 UP	12 / 65
1	1-1/2"	12 / 16	85 / 95	145 / 160	10/50	23 / 140	5 UP	12 / 65
2	2"	11 / 15	85 / 95	230 / 250	10/50	23 / 140	5 UP	12 / 65
2	2-1/2"	10 / 13	85 / 95	230 / 250	10/50	23 / 140	5 UP	12 / 65
2	3"	9 / 11	85 / 95	230 / 250	10/50	23 / 140	5 UP	12 / 65
3	4"	7 / 10	85 / 95	285 / 320	10/50	23 / 140	5 UP	12 / 65
3	5"	6 / 8	85 / 95	285 / 320	10/50	23 / 140	5 UP	12 / 65
3	6"	5 / 7	85 / 95	285 / 320	10/50	23 / 140	5 UP	12 / 65

472CN Oxy-Propane/Natural Gas Cutting Tips

Tip Size	Metal Thickness	Oxygen (PSIG)	Fuel Gas (PSIG)
000	TO 3/16"	15 / 30	5 / 15
00	3/16" - 3/8"	20 / 30	5 / 15
0	3/8" - 5/8"	30 / 40	5 / 15
1	5/8" - 1"	35 / 50	5 / 15
2	1" - 2"	40 / 55	5 / 15
3	2" - 3"	45 / 60	5 / 15
4	3" - 6"	50 / 75	5 / 15
5	6" - 8"	65 / 80	5 / 15
6	8" - 12"	70 / 90	5 / 15

472C Oxy-Acetylene Cutting Tips

Tip Size	Metal Thickness	Oxygen (PSIG)	Acetylene (PSIG)
000	TO 3/16"	15 / 20	5 / 15
00	3/16" - 3/8"	20 / 25	5 / 15
0	3/8" - 5/8"	35 / 40	5 / 15
1	5/8" - 1"	35 / 40	5 / 15
2	1" - 2"	40 / 45	5 / 15
3	2" - 3"	45 / 50	5 / 15
4	3" - 6"	50 / 75	10 / 15

672CHN Oxy-Natural Gas Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Fuel Gas (PSIG)	Fuel Gas (SCFH)
0	1/4"	29	100	39	30	48	2.1	28
0	3/8"	27	100	39	30	48	2.1	28
1	1/2"	25	100	88	40	53	2.1	32
2	3/4"	22	100	134	45	53	2.1	32
2	1"	20	100	134	45	134	2.1	35
3	1-1/2"	18	100	191	45	60	2.1	35
4	2"	16	100	258	45	60	2.1	39
5	2-1/2"	14	100	353	55	30	2.1	46
5	3"	12.5	100	353	55	30	2.1	46

673CHNP Oxy-Propane/Propylene Cutting Tips

Tip Size	Metal Thickness	Cutting Speed (IN / MIN)	Cutting Oxygen (PSIG)	Cutting Oxygen (SCFH)	Pre-Heat Oxygen (PSIG)*	Pre-Heat Oxygen (SCFH)	Fuel Gas (PSIG)	Fuel Gas (SCFH)
0	1/4"	29	100	39	30	42	2.8	11
0	3/8"	27	100	39	30	42	2.8	11
1	1/2"	25	100	88	40	42	2.8	11
2	3/4"	22	100	134	45	48	3.6	13
2	1"	20	100	134	45	48	3.6	13
3	1-1/2"	18	100	190	45	48	3.6	13
4	2"	16	100	258	45	66	4.3	17
5	2-1/2"	14	100	353	55	66	4.3	17
5	3"	12.5	100	353	55	66	4.3	17

* Only applicable for three-hose machine torches.



NEW
Stainless Steel Inner Core

CUTTING TIPS