



# VICTOR® STYLE CUTTING TIPS

Cutting Tip Series 172CN & 173CN

For use with **Propane, LPG and Natural Gases**

| 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         |

## Notice:

The data at the left applies to all torches with the follow exceptions:

| Torch Series | Pre-Heat Oxygen (PSIG) | Pre-Heat Fuel (PSIG) |
|--------------|------------------------|----------------------|
| MC200F       | N/A                    | 8oz.-UP              |
| MC300F       | 20-55 PSIG             | 8oz.-UP              |
| 162L         | N/A                    | 5 PSIG-UP            |
| 163L         | N/A                    | 1 PSIG-UP            |
| 143TLH       | N/A                    | 5 PSIG-UP            |

Victor® is a registered trademark of Victor Equip. Co. that is not associated with Genstar Technologies.

For the best results use 163L Torch 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 sizes 6 and larger. Torches with flashback arrestors require up to 25% more pressure as tip size increases.

# KOIKE/AIRCO® STYLE MACHINE TORCH HIGH SPEED CUTTING TIPS

673CHNP-with Stainless Steel Inner Core

For use with **Natural Gas And Propane Gases**

| 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"            | 26/30                  | 100                   | 25/40                 | 30                     | 40/45                  | 2/5             | 10/12           |
| 0        | 3/8"            | 26/29                  | 100                   | 25/40                 | 30                     | 40/45                  | 2/5             | 10/12           |
| 1        | 1/2"            | 23/27                  | 100                   | 80/90                 | 40                     | 40/45                  | 2/5             | 10/12           |
| 2        | 3/4"            | 20/24                  | 100                   | 130/140               | 45                     | 45/50                  | 3/6             | 10/15           |
| 2        | 1"              | 18/22                  | 100                   | 130/140               | 45                     | 45/50                  | 3/6             | 10/15           |
| 3        | 1-1/2"          | 16/20                  | 100                   | 180/200               | 45                     | 45/50                  | 3/6             | 10/15           |
| 4        | 2"              | 14/18                  | 100                   | 250/270               | 45                     | 65/70                  | 3/6             | 15/20           |
| 5        | 2-1/2"          | 12/14                  | 100                   | 350/360               | 55                     | 65/70                  | 3/6             | 15/20           |
| 5        | 3"              | 10/15                  | 100                   | 350/370               | 55                     | 65/70                  | 3/6             | 15/20           |

## Notice:

The data at the left applies to all torches with the following exceptions:

| Torch Series | Pre-Heat Oxygen (PSIG) | Pre-Heat Fuel (PSIG) |
|--------------|------------------------|----------------------|
| MC200F       | N/A                    | 8oz.-UP              |
| MC300F       | 10-25 PSIG             | 8oz.-UP              |

Airco® is a registered trademark of Airco Welding Products Div. of BOC Group, Inc. which is not associated with Genstar Technologies Co., Inc.

## Notice:

Data compiled using mild steel as test material.

Torches with flashback arrestors require up to 25% more pressure as the size increases.

[www.genstartech.com](http://www.genstartech.com)

GR-FLY-INDVSTC0617 V1