



Made
in the
USA



PROMAX **TORCH TIPS**

**Multi-Use Adaptors and Tips
for Oxy Fuel Torches and Machines**

PROMAX
MULTI-USE SYSTEM

AMERICAN
TORCH TIP **ATTC**


www.prolinewelding.com

sales@prolinewelding.com 0800 699 353

PROMAX TORCH TIPS

The Multi-Use Universal
Adaptor System will save
you time and money!

...A simple system

An assembled Multi-Use ▶
adaptor and tip.

A simple effective replacement
system that can save you
as much as 40%!



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◀ This is a standard 1 piece torch tip showing the high
wear and damage area.

Once this area is worn out the whole tip must be
thrown away



◀ This is the adaptor.
It rarely wears out.
Keep this

◀ This is the only portion
of the Multi-Use System
that has to be replaced.
Throw only this part out



◀ Unretouched photo
showing a standard tip
and a Multi-Use Adapter
in use. Tests have shown
Multi-Use System
components to be as
long lasting and efficient
as standard tips used for
the same purpose.

Note the identical flames

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FEATURES

1. Every Multi-Use tip fits every Multi-Use adapter.
2. You need only one adapter for each torch.
3. Tips are available in six standard series and each series is available in a complete range of sizes.
4. Each tip is quick and easy to change.
5. Tips are easy to clean and store.
6. All tips are made to exacting standards using the highest quality materials.
7. Adaptors and tips are available for all gases.

BENEFITS

1. Low initial cost.
2. Virtually eliminates torch head re-seating.
3. Inventory can be substantially reduced.
4. User can heat, cut or weld using the same torch ...just change the tip.
5. Increases production output by cutting down-time.
6. Reduces replacement costs.

**AND THE MOST IMPORTANT BENEFIT IS ...
YOU CAN SAVE UP TO 40% IN REPLACEMENT
COSTS WHEN YOU USE THE PROMAX MULTI-USE
ADAPTOR SYSTEM.**

...it's as easy as 1-2-3



Original Worn Out Torch Tip



Step 1.
Remove standard tip nut and worn oxy tip.



Step 2.
Replace standard tip nut (if necessary) and desired adaptor. Tighten securely.



Step 3.
Place selected oxy tip into tip nut and screw adaptor and tip nut with tip onto the torch.

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PROMAX TORCH TIPS & ADAPTORS

The system that can save you up to 40% in oxy-fuel tip replacement costs. The Multi-Use System is a simple and effective method of saving money by speeding up down time due to application tip changes or wear.

Four easy steps!

1. Choose Gas and Tip (Column A)

2. Choose Adaptor

PREHEAT



TIPS



- M6:** 1 pc. med. P/H acet. tip
- M6HS:** 1 pc. hi-speed acet. tip
- LG:** 2 pc. liq/nat gas tip
- LGHS:** 2 pc. hi-speed liq/nat gas tip
- LGP:** 2 pc. fuel gas* tip
- LGPHS:** 2 pc. hi-speed fuel gas tip
- LGM:** 2 pc. Mapp cutting tip
- LGMHS:** 2 pc. hi-speed Mapp cutting tip
- AM8:** 1 pc Mapp cutting tip
- HTA:** 1 pc acet. heating tip
- HTG:** 2 pc. propane heating tip
- HTM:** 2 pc. Mapp heating tip
- MB:** Acetylene brazing tip

ADAPTORS



MFG/TORCH

- AIRCO® REGULAR:**
164, 261, 275, 361
- AIRCO® SMALL:**
145, 155
- AIR PRODUCTS®:**
121, M6, 201, KGLG
- CRAFTSMAN®:**
B, BL
- CIG®:**
41, 44
- ESAB®:**
IAD-300, IPB-300
- HARRIS®:**
6290, NX, NFF, VVC
- HARRIS®:**
7490A, 7490BTU
- HARRIS®:**
2890F, 2890P



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The new Multi-Use Machine oxy-fuel tip saves up to 40%. This increase in longevity is made possible by a specially designed stainless steel insert which fits into the tip. The tip also offers other time and money saving benefits, such as reduced downtime, easier removal of carbon and slag build-up, prevention of orifice distortion and a longer more productive life. The Long Lasting Multi-Use tip can be used on any style Multi-Use adaptor and is available in many sizes for most gases.



Savings in time and money of up to 40% over conventional cutting tips.

| ADAPTORS | MFG/TORCH | ADAPTORS | MFG/TORCH |
|----------|---|----------|-------------------------------------|
| KOI | KOIKE®: 102, 103, 106, 106D7 | SAF | SAF®: G1-AD, G1-P, G1-T |
| MKT | MARQUETTE®: GW6, GWP | SC | SMITH®: SC12, SC50 |
| MCM | MECO®: LA-6, LM | SLT | SMITH®: LC-6, LC-P |
| MG | MG®: ARS, PL-RC | T75 | TORCHWELD®: 250, 251 |
| N400 | NATIONAL/VERIFLOW®: A, LPG | T36 | TORCHWELD®: 650, 651 |
| N15** | NATIONAL/VERIFLOW®: 255A, 25PGS | T30 | TORCHWELD®: 243, 247 |
| O32 | OXWELD®/L-TEC®: 1502, 1534, 1535, 1566, 1567 | V40 | VICTOR®: 1-101, GPN, MTHN |
| PE** | PUROX®/L-TEC®: 4202, 4203, 4213-14 | C14** | VICTOR®: 3-101, 3GPN |
| RKX | REGO®: KX-6, KX-105 | W37 | WELDIT®: S, SP |
| CCL | REGO®: NC | ZIN | ZINSER®: |

3. Decide thickness of metal and... 4. Oxy-fuel Cutting Pressure

STANDARD PRESSURE- - PROPANE, NATURAL GAS - LG / PROPYLE

| Material Thickness (mm) | No. | Cutting Oxygen Orifice | Cutting Oxygen PSI / Bar | Fuel Gas PSI / Bar | Cut Speed Inches/min mm/min | Kerf Width Inches/mm |
|-------------------------|-----|------------------------|--------------------------|--------------------|-----------------------------|----------------------|
| 3/16 / 5 | 00 | 68 | 30-40 / 2.1-2.8 | 3-5 / 0.2-0.34 | 17-24 / 430-610 | .05 / 1.3 |
| 5/8 / 16 | 0 | 60 | 35-45 / 2.4-3.1 | 3-6 / 0.2-0.4 | 16-22 / 405-560 | .06 / 1.5 |
| 1 / 25 | 1 | 56 | 30-50 / 2.1-3.5 | 3-6 / 0.2-0.4 | 14-18 / 355-460 | .08 / 2.0 |
| 2 / 51 | 2 | 53 | 40-50 / 2.8-3.5 | 4-8 / 0.3-0.55 | 12-16 / 305-405 | .09 / 2.3 |
| 3 / 76 | 3 | 51 | 40-50 / 2.8-3.5 | 4-8 / 0.3-0.55 | 10-14 / 255-355 | .10 / 2.5 |
| 4 / 102 | 4 | 45 | 45-65 / 3.1-4.5 | 5-10 / 0.34-0.7 | 8-12 / 230-305 | .12 / 3.0 |
| 7 / 178 | 5 | 39 | 60-75 / 4.2-5.2 | 8-12 / 0.55-0.8 | 5-8 / 130-230 | .15 / 3.8 |
| 10 / 254 | 6 | 31 | 60-90 / 4.2-6.3 | 9-15 / 0.6-1.0 | 3-5 / 80 -127 | .21 / 5.3 |
| 12 / 305 | 7 | 25 | 60-90 / 4.2-6.3 | 9-15 / 0.6-1.0 | 3-4 / 80 -100 | .24 / 6.1 |
| 14 / 356 | 8 | 20 | 60-90 / 4.2-6.3 | 9-15 / 0.6-1.0 | 2-3 / 50 -80 | .26 / 6.6 |

HIGH PRESSURE - PROPANE, NATURAL GAS - LGHS / PROPYLENE - LGPHS / MAPP GAS - LGMHS

| Material Thickness (mm) | No. | Cutting Oxygen Orifice | Cutting Oxygen PSI / Bar | Fuel Gas PSI / Bar | Cut Speed Inches/min mm/min | Kerf Width Inches/mm |
|-------------------------|-----|------------------------|--------------------------|--------------------|-----------------------------|----------------------|
| 3/16 / 5 | 00 | 72 | 50-100 / 3.5-7.0 | 2-5 / 0.1-0.34 | 23-29 / 580-735 | .04 / 1.0 |
| 1/4 / 6 | 0 | 68 | 70-100 / 4.9-7.0 | 2-5 / 0.1-0.34 | 21-28 / 530-710 | .05 / 1.3 |
| 3/8 / 10 | 1 | 65 | 80-100 / 5.6-7.0 | 3-5 / 0.2-0.34 | 19-26 / 480-660 | .05 / 1.3 |
| 1/2 / 13 | 2 | 60 | 80-115 / 5.6-8.0 | 3-5 / 0.2-0.34 | 18-26 / 460-660 | .05 / 1.3 |
| 3/4 / 19 | 3 | 56 | 80-115 / 5.6-8.0 | 3-6 / 0.2-0.4 | 16-24 / 410-610 | .06 / 1.5 |
| 1 / 25 | 4 | 55 | 80-115 / 5.6-8.0 | 3-6 / 0.2-0.4 | 15-20 / 380-510 | .06 / 1.5 |
| 2 / 51 | 5 | 54 | 80-115 / 5.6-8.0 | 3-6 / 0.2-0.4 | 12-16 / 305-405 | .06 / 1.5 |
| 3 / 76 | 6 | 53 | 80-115 / 5.6-8.0 | 4-8 / 0.3-0.55 | 10-15 / 254-380 | .07 / 1.8 |
| 4 / 102 | 7 | 52 | 80-115 / 5.6-8.0 | 4-8 / 0.3-0.55 | 9-12 / 230-305 | .08 / 2.0 |
| 5 / 127 | 8 | 49 | 80-115 / 5.6-8.0 | 5-9 / 0.34-0.6 | 8-11 / 200-280 | .09 / 2.3 |
| 7 / 178 | 10 | 44 | 80-115 / 5.6-8.0 | 6-10 / 0.4-0.7 | 8-10 / 200-255 | .10 / 2.5 |
| 10 / 254 | 12 | 39 | 80-115 / 5.6-8.0 | 9-15 / 0.6-1.0 | 4-6 / 100-150 | 0.17 / 4.3 |

HIGH SPEED CUTTING W/STAINLESS STEEL INSERTS

- PROPANE, NATURAL GAS - HSD7 / PROPYLENE - PHSD7 / MAPP - MHSD7 / ACETYLENE - AHSD7

| Material Thickness (mm) | No. | Cutting Oxygen Orifice | Cutting Oxygen PSI / Bar | Fuel Gas PSI / Bar | Cut Speed Inches/min mm/min | Kerf Width Inches/mm |
|-------------------------|-----|------------------------|--------------------------|--------------------|-----------------------------|----------------------|
| 1/8 / 3 | 00 | 78 | 100 / 7.0 | 2-5 / 0.1-.034 | 31.5 / 800 | .03 / 0.8 |
| 1/4 / 6 | 0 | 74 | 100 / 7.0 | 2-5 / 0.1-.034 | 29 / 735 | .04 / 1.0 |
| 3/8 / 10 | 0 | 74 | 100 / 7.0 | 2-5 / 0.1-.034 | 27 / 685 | .05 / 1.3 |
| 1/2 / 13 | 1 | 65 | 100 / 7.0 | 2-8 / 0.1-0.55 | 25 / 635 | .05 / 1.3 |
| 3/4 / 19 | 2 | 57 | 100 / 7.0 | 3-5 / 0.2-0.34 | 22 / 560 | .06 / 1.5 |
| 1 / 25 | 2 | 57 | 100 / 7.0 | 3-5 / 0.2-.034 | 20 / 510 | .07 / 1.8 |
| 1-1/2 / 38 | 3 | 55 | 100 / 7.0 | 3-6 / 0.2-0.4 | 18 / 460 | .08 / 2.0 |
| 2 / 51 | 4 | 53 | 100 / 7.0 | 3-6 / 0.2-0.4 | 16 / 405 | .10 / 2.5 |
| 2-1/2 / 64 | 5 | 50 | 100 / 7.0 | 3-6 / 0.2-0.4 | 14 / 355 | .11 / 2.8 |
| 3 / 76 | 5 | 50 | 100 / 7.0 | 3-6 / 0.2-0.4 | 12.5 / 320 | .11 / 2.8 |
| 4 / 102 | 6 | 45 | 100 / 7.0 | 4-8 / 0.3-0.55 | 10 / 255 | .13 / 3.3 |
| 5 / 127 | 6 | 45 | 100 / 7.0 | 4-8 / 0.3-0.55 | 9 / 230 | .14 / 3.6 |
| 6 / 152 | 7 | 38 | 100 / 7.0 | 4-8 / 0.3-0.55 | 7 / 180 | .14 / 3.6 |
| 8 / 230 | 7 | 38 | 100 / 7.0 | 4-8 / 0.3-0.55 | 5.5 / 140 | .18 / 4.6 |
| 10 / 254 | 8 | 30 | 100 / 7.0 | 5-9 / 0.34-0.6 | 4 / 110 | .20 / 5.1 |

LGPHSD7 = Propylene Style Shell

LGMHSD7 = Mapp Style Shell

LGHSD7 = Propane/Natural Gas Shell

**Pressures are approximate. You may have to vary pressure with feeds and speeds for optimum results.



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How do you order?

If you are unsure what tip is the right one for your application or would like some advice on how to get the most out of this system, feel free to contact one of our experienced sales team. We are more than happy to explain how they work and assist you with calculating how much you could potentially save through using the Promax Multi-use system.

It's very easy once you have the right adaptor for your existing touch system so contact Proline today to get started and start saving.

You can place an order or purchase through our online welding supply shop www.prolinewelding.com email us at sales@prolinewelding.com or give a call on our free phone 0800 NZ WELD (0800 699 353)

Guarantee

All components are CNC machined and assembled to very precise tolerances. Product quality is further maintained by process control, statistical batch analysis and 100% inspection of consumable parts for critical characteristics.

All Promax Multi-use products are guaranteed against any material or manufacturing defects. That means we guarantee they will reach you in perfect order ready to perform.

Don't see an adaptor listed for your torch system?

Contact us today as we are constantly adding new products developed for special applications and cannot always include these in our catalogues.



sales@prolinewelding.com



PROLINE
professional welding supplies

Call Free Nationwide - 0800 699 353 (0800 NZ WELD)

North Island Sales Office - 09 274 1090

South Island Sales Office - 03 547 9021

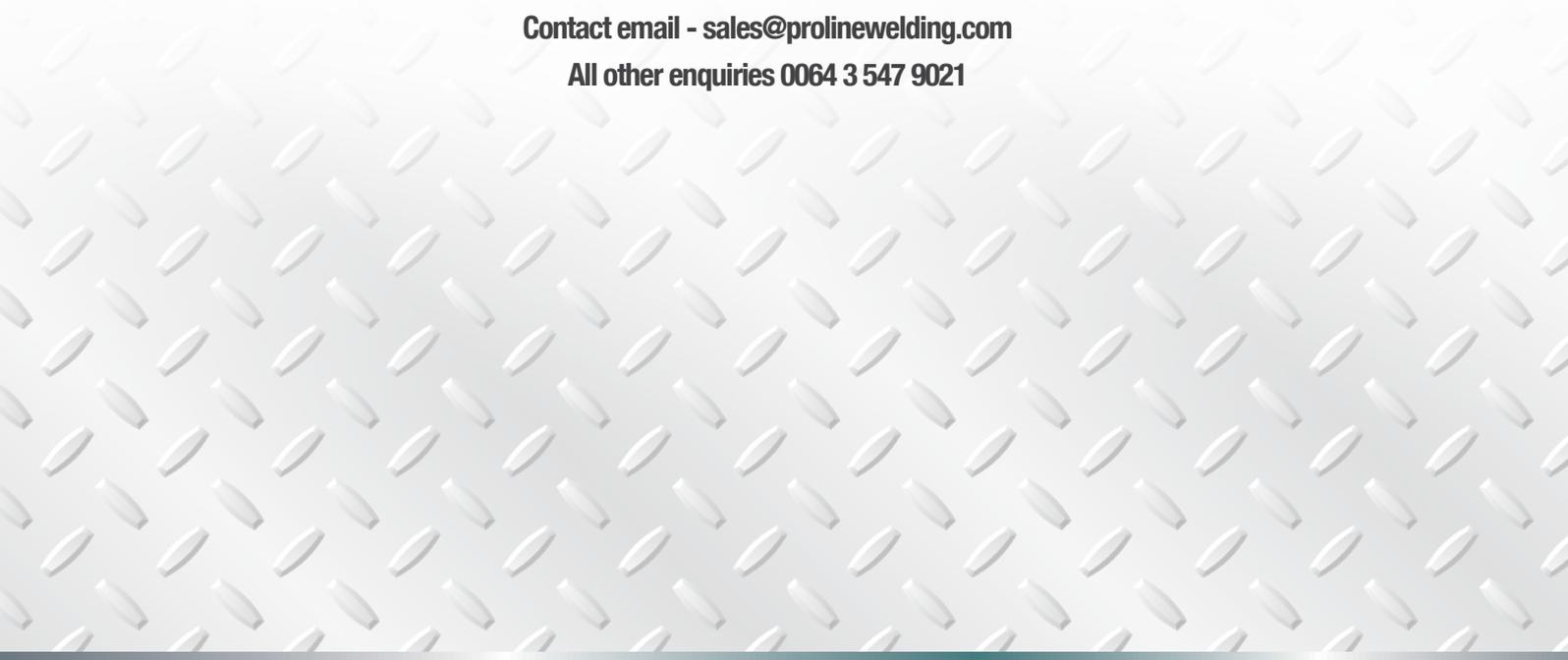
Contact email - sales@prolinewelding.com

Australian and Pacific Islands Contact Details

Australian Call Free - 1800 289 353 (1800 AU WELD)

Contact email - sales@prolinewelding.com

All other enquiries 0064 3 547 9021



www.prolinewelding.com