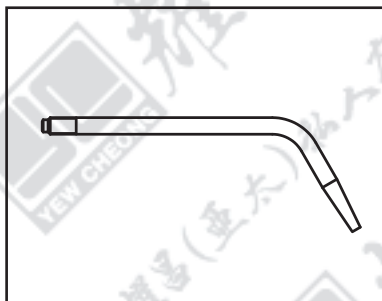


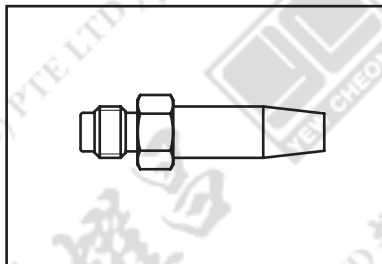
Welding and Heating Nozzles



Lightweight Swaged Copper Tube Nozzles

For use on Butbro Orbit torch 1/4" x 26 TPI thread.

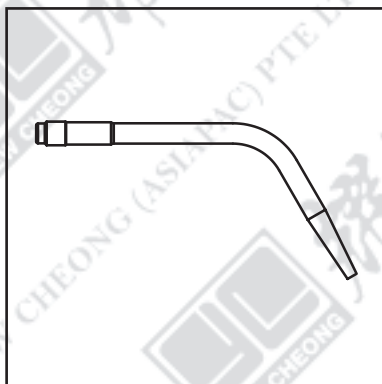
| Order No. | Range | Size | Order No. | Range | Size |
|------------|---------------|------|------------|---------------|------|
| 1010462401 | to 1.0mm | 1 | 1010462410 | 3.0mm - 4.0mm | 10 |
| 1010462402 | 1.0mm - 1.5mm | 2 | 1010462413 | 4.0mm - 5.0mm | 13 |
| 1010462403 | 1.5mm - 2.0mm | 3 | 1010462418 | 5.0mm - 6.0mm | 18 |
| 1010462405 | 2.0mm - 2.5mm | 5 | 1010462425 | 6.0mm - 8.0mm | 25 |
| 1010462407 | 2.5mm - 3.0mm | 7 | | | |



D. H. Type Solid Copper Tips

For use on Butbro Orbit torch 5/16" x 25 TPI thread. Use in conjunction with DH neck 62017.

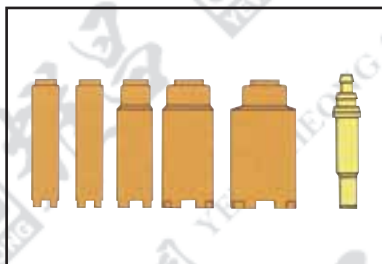
| Order No. | Range | Size | Order No. | Range | Size |
|------------|---------------|------|------------|---------------|------|
| 1010462301 | to 1.0mm | 1 | 1010462310 | 3.0mm - 4.0mm | 10 |
| 1010462302 | 1.0mm - 1.5mm | 2 | 1010462313 | 4.0mm - 5.0mm | 13 |
| 1010462303 | 1.5mm - 2.0mm | 3 | 1010462318 | 5.0mm - 6.0mm | 18 |
| 1010462305 | 2.0mm - 2.5mm | 5 | 1010462325 | 6.0mm - 8.0mm | 25 |
| 1010462307 | 2.5mm - 3.0mm | 7 | | | |



Type 2/3/4/5 Swaged Copper Tube Nozzles

For use on Butbro Type 2/3/4/5 Welding Torch
7/16" x 27 TPI Thread (Sizes 1-90 Butbro Type 2 & 3)
31/64" x 27 TPI Thread (Sizes 45-90 using Heavy Duty Mixer)

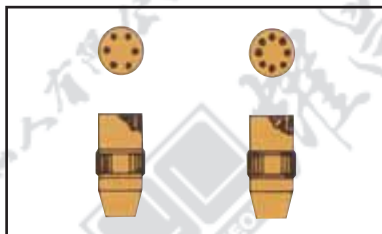
| Order No. | Range | Size | Order No. | Range | Size |
|------------|---------------|------|------------|-----------------|------|
| 1010468501 | to 1.0mm | 1 | 1010468518 | 5.0mm - 6.0mm | 18 |
| 1010468502 | 1.0mm - 1.5mm | 2 | 1010468525 | 6.0mm - 8.0mm | 25 |
| 1010468503 | 1.5mm - 2.0mm | 3 | 1010468535 | 8.0mm - 10.0mm | 35 |
| 1010466505 | 2.0mm - 2.5mm | 5 | 1010466545 | 10.0mm - 13.0mm | 45 |
| 1010468507 | 2.5mm - 3.0mm | 7 | 1010468555 | 13.0mm - 19.0mm | 55 |
| 1010468510 | 3.0mm - 4.0mm | 10 | 1010468570 | 19.0mm - 25.0mm | 70 |
| 1010468513 | 4.0mm - 5.0mm | 13 | 1010468590 | over 25.0mm | 90 |



Butbro Super Heating Nozzles

For use on type 3/4/5 blowpipe in conjunction with heavy duty mixer 77555 and necks 78666 or 78777. Can also be used with NM 250/ Steelmaster in conjunction with super heating adaptor 0768929 use propane fuel gas.

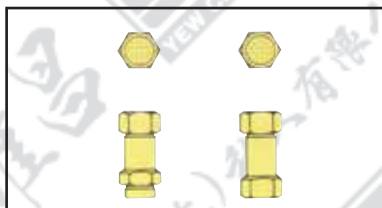
| Order No. | Range | Size | Order No. | Range | Size |
|------------|-------------------------|------|------------|-------------------------------|------|
| 1010378991 | 72000 - 163,000 Btu/h | 1H | 1010378994 | 236,000 - 406,000 Btu/h | 4H |
| 1010378992 | 102,000 - 188,000 Btu/h | 2H | 1010378995 | 250,000 - 618,000 Btu/h | 5H |
| 1010378993 | 183,000 - 361,000 Btu/h | 3H | 1010378996 | Nozzle Adaptor for NM Cutters | |



Butbro AHT/PHT Heating Nozzles

For use on Butbro Type 2 and 3 and torches with brass heating neck.
Use Acetylene Fuel Gas with AHT type nozzles. Use Propane Fuel Gas with PHT type nozzles.

| Order No. | Size | Order No. | Size |
|------------------------|--------|------------------------|-------|
| 1010348425 HEATING TIP | AHT25 | 1010368430 HEATING TIP | PHT30 |
| 1010348450 HEATING TIP | AHT50 | 1010368460 HEATING TIP | PHT60 |
| 1010348410 HEATING TIP | AHT100 | | |



Butbro PH5/PH6 Heating Nozzles

For use on Butbro Steelmaster and Universal and other NM cutters (PH5) MS cutter (PH6).
Use Propane Fuel Gas

| Order No. | Size | Order No. |
|---------------------------|------|------------------------------------|
| 1010370305 HEATING Nozzle | PH5 | 1010370307 Spare Insert for PH5/6 |
| 1010370306 HEATING Nozzle | PH6 | 1010370306 Spare Headnut for PH5/6 |