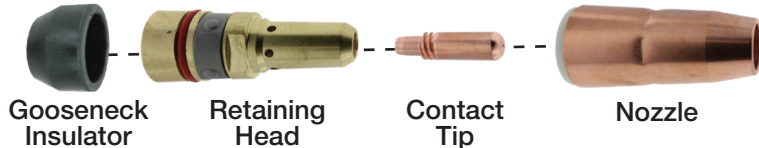


# PRODUCT CROSS-REFERENCE

## Lightning® Retaining Heads

| Part #    | Description                         |
|-----------|-------------------------------------|
| 65-3103 * | Retaining Head for Extra Heavy Duty |
| 63-3103   | Retaining Head T/L                  |
| 63-3103-2 | Retaining Head T/L                  |
| 63-3116   | Thread-on Retaining Head HD         |
| 63-3402   | Retaining Ring                      |
| 63-3301   | O-Ring Orange 016                   |
| 63-3118-T | Diffuser, Bernard Threaded          |

\* This retaining head must be used with #65-11XX contact tip. See **Contact Tips Selector Chart** on pg.2



### Benefits

- Greater surface area contact between tip and head ensures better heat dissipation and conductivity.
- Tapered tip design creates a more secure seat, eliminating loose tips.
- Cooler tip temperature reduces wear and extends tip life.
- Dual-lead thread design allows for 180 degree rotation of tip to new wear point for extended tip life.
- Brass insert prevents wear and extends life.
- Superior surface finish minimizes spatter adhesion.
- Durable hard drawn copper or brass withstands abuse.

## Bernard® MIG Torches

| Model              | Gooseneck Insulator | Retaining Head | Contact Tip | Nozzle     |
|--------------------|---------------------|----------------|-------------|------------|
| Q-Gun Series       | 63-6105             | 63-3118        | 63-11XX †   | 6X-XXXX ** |
| EZ Feed Series     | 63-6105             | 63-3118        | 63-11XX †   | 6X-XXXX ** |
| T-Series †         | 63-6202-HD          | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| Roughneck C Miller | 63-6105             | 63-3118        | 63-11XX †   | 6X-XXXX ** |

## Lincoln® MIG Torches

| Model      | Gooseneck Insulator | Retaining Head | Contact Tip | Nozzle     |
|------------|---------------------|----------------|-------------|------------|
| Magnum 300 | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| Magnum 400 | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| Magnum Pro | 63-6105             | 63-3119        | 63-11XX †   | 6X-XXXX ** |

## Tweco® MIG Torches

| Model           | Gooseneck Insulator | Retaining Head | Contact Tip | Nozzle     |
|-----------------|---------------------|----------------|-------------|------------|
| Tweco #3        | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| Tweco #4        | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| SprayMaster 450 | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |
| WeldSkill 400   | 63-6105             | 63-3103        | 63-11XX †   | 6X-XXXX ** |

Use the Lightning® contact tip system (gooseneck insulator, retaining head, contact tip and nozzle) with Bernard® Lincoln® or Tweco® MIG guns. Use 63-3118 Retaining Head on goosenecks with external 1/4" NPT thread, such as Q-guns and EZ Feed guns.

† T-Series retaining head can only be used on Bernard T-Series (Tregaskiss) guns.

‡ 63-11XX (XX = your wire size)

\*\* 6X-XXXX (see Nozzle Selector Chart on next page)

## Lightning® Contact Tips Selector Chart

| Contact Tips Part # | Heavy Duty Tip - Size                 |
|---------------------|---------------------------------------|
| 63-1130             | Contact Tip HD .030 pk 10             |
| 63-1135             | Contact Tip HD .035 pk 10             |
| 63-1135-40          | Contact Tip HD .035/.040 I.D. pk 10   |
| 63-1138             | Contact Tip .030 Pk 10 Robotic        |
| 63-1140             | Contact Tip HD .040 pk 10             |
| 63-1145             | Contact Tip HD .045 pk 10             |
| 63-1147             | Contact Tip HD 3/64" al pk 10         |
| 63-1152             | Contact Tip HD .052 pk 10             |
| 63-1162             | Contact Tip HD 1/16" pk 10            |
| 63-1168             | Contact Tip HD .068 / .078 I.D. pk 10 |
| 63-1172             | Contact Tip HD .072 pk 10 SPECIAL     |
| 63-1178             | Contact Tip HD 5/64" pk 10            |
| 63-1193             | Contact Tip HD 3/32" pk 10            |
| Part #              | Tapered Tip                           |
| 63-12XX             | XX = last 2 digits indicate wire size |
| Part #              | CZ Tip (Chromium Zirconium)           |
| 63-13XX             | XX = last 2 digits indicate wire size |
| Part #              | Extra Heavy Duty Tip                  |
| 65-11XX *           | XX = last 2 digits indicate wire size |

\* This contact tip must be used with #65-3103 retaining head. See **Lightning Retaining Heads Chart** on p.1

## Lightning® Nozzle Selector Chart (Air-Cooled Slip On)

| Standard Duty Nozzle Part # | Bore/Material | O.D. / Length | Tip Location  |
|-----------------------------|---------------|---------------|---------------|
| 63-2138                     | 3/8" Copper   | .938" / 2.75" | Flush         |
| 64-2950                     | 1/2" Brass    | .938" / 2.63" | 1/8" Stickout |
| 63-2950B                    | 1/2" Brass    | .938" / 2.88" | 1/8" Recess   |
| 63-2150                     | 1/2" Copper   | .938" / 2.88" | 1/8" Recess   |
| 63-2762                     | 5/8" Copper   | .938" / 2.51" | 1/4" Stickout |
| 63-2662                     | 5/8" Copper   | .938" / 2.63" | 1/8" Stickout |
| 63-2162                     | 5/8" Copper   | .938" / 2.88" | 1/8" Recess   |
| 63-2175                     | 3/4" Copper   | .938" / 2.88" | 1/8" Recess   |

| Heavy Duty Nozzle Part # | Bore/Material | O.D. / Length  | Tip Location  |
|--------------------------|---------------|----------------|---------------|
| 65-2550                  | 1/2" Copper   | 1.062" / 2.88" | 1/8" Recess   |
| 65-2662                  | 5/8" Copper   | 1.062" / 2.63" | 1/8" Stickout |
| 65-2362                  | 5/8" Brass    | 1.062" / 2.63" | 1/8" Stickout |
| 64-2962                  | 5/8" Copper   | 1.062" / 2.75" | Flush         |
| 65-2862                  | 5/8" Brass    | 1.062" / 2.75" | Flush         |
| 63-2362                  | 5/8" Brass    | 1.062" / 2.88" | 1/8" Recess   |
| 65-2562                  | 5/8" Copper   | 1.062" / 2.88" | 1/8" Recess   |
| 64-2562                  | 5/8" Copper   | 1.062" / 3.00" | 1/4" Recess   |
| 65-2575                  | 3/4" Copper   | 1.062" / 2.88" | 1/8" Recess   |
| 65-2375                  | 3/4" Brass    | 1.062" / 2.88" | 1/8" Recess   |
| 64-2575                  | 3/4" Copper   | 1.062" / 3.00" | 1/4" Recess   |
| 64-2387                  | 7/8" Brass    | 1.062" / 3.00" | 1/4" Recess   |
| 65-2562-T                | 5/8" Copper   | 1.062" / 2.78" | 1/8" Recess   |