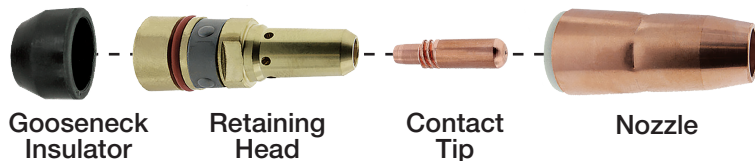


PRODUCT CROSS-REFERENCE

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 |