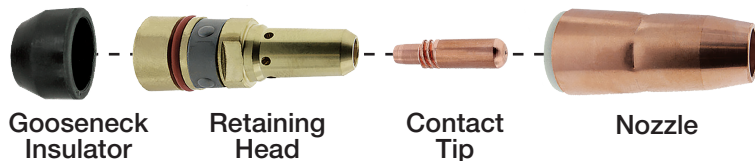


# PRODUCT CROSS-REFERENCE

## 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