

QUICK SPECS

DUTY CYCLE RATING

100%: 350 AMP w/ Mixed Gases

100%: 500 AMP w/ CO₂

60%: 500 AMP w/ Mixed Gases

60%: 650 AMP w/ CO₂

Processes

MIG (GMAW) Welding

Compatible Robots

ABB®, OTC Daihen®, FANUC®,

KUKA®, Motoman®, Panasonic®

KNL-360° **KNOW NO LIMITS**



PROUDLY MADE



IN THE U.S.A.



Perform repeated, programmed movements with the highest degree of accuracy and spot-on precision, saving time and boosting productivity.



Reduce programming time and wasted air time. For circular welds, KNL-360° reduces per-piece costs compared to old technologies.



No matter how much the torch rotates, the cable never twists or tears. This extends the life of the cable and consumables dramatically.

Lightning® Nozzle Selector Chart (slip-on)

SD Nozzle Part #	Bore/Material	O.D. / Length	Tip Location
63-2138	3/8" Copper	.938" / 2.75"	Flush
63-2150	1/2" Copper	.938" / 2.88"	1/8" Recess
63-2662	5/8" Copper	.938" / 2.63"	1/8" Stick out
63-2162	5/8" Copper	.938" / 2.88"	1/8" Recess
63-2175	3/4" Copper	.938" / 2.88"	1/8" Recess
HD 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" Stick out
65-2362	5/8" Brass	1.062" / 2.63"	1/8" Stick out
63-2362	5/8" Brass	1.062" / 2.88"	1/8" Recess
65-2562	5/8" Copper	1.062" / 2.88"	1/8" Recess
65-2575	3/4" Copper	1.062" / 2.88"	1/8" Recess
64-2575	3/4" Copper	1.062" / 3.00"	1/4" Recess

Threaded versions available for all nozzles.
Add the letter "T" to the end of the part number.

Lightning® Retaining Heads / Diffusers

Part #	Description
65-3103-2	Retaining Head for Extra Heavy Duty
63-3103-2	Retaining Head T/L
65-3116	Thread-on Retaining Head, Extra HD
63-3116	Thread-on Retaining Head HD

Lightning® Contact Tip Selector Chart

Part #	Contact 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
63-1145-50	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 - Size
63-12XX	XX = use suffix from chart above
Part #	Heavy Duty Tip - Size
63-13XX	XX = use suffix from chart above
Part #	Extra Heavy Duty Tip - Size
65-11XX **	XX = use suffix from chart above

KNL-360° Parts Ordering System

