

# Manual Gouging Torches



## FEATURES & BENEFITS

### Improved Torch Air Flow

- More efficient use of air supply.
- Improved metal removal.

### New Four Barrel Air Nozzle

- Optimizes air flow to the arc. Efficiently cleans slag from groove edge.

### Optimized Air Flow to Control Noise

- Allows usage in areas where noise cannot exceed 115 decibels. Able to use torch at lower air pressure and flow to obtain acceptable grooves.

### Air Assist Positive Air Shut-Off

- Minimizes air supply unit cycling on and off.
- Allows torch usage when air supply is marginal.

### Improved Cable Electrical Conduction

- Improves cable service life. Decreases heat build up in cable and torch.

### Superior Outer Cable Cover

- Durable cover for improved cable life in a harsh environment. Resists breakdown due to exposure to heat produced by gouging.

### Insulated Connection Boot & Hook-Up Kit

- Makes for easy torch hook-up. Virtually eliminates the possibility of arcing when contacting electrically hot parts.



**Angle-Arc®**  
Gouging Torches



**K-Series**  
Gouging Torches



**Tri-Arc®**  
Gouging Torches



## GOUGING TORCH SELECTION GUIDE

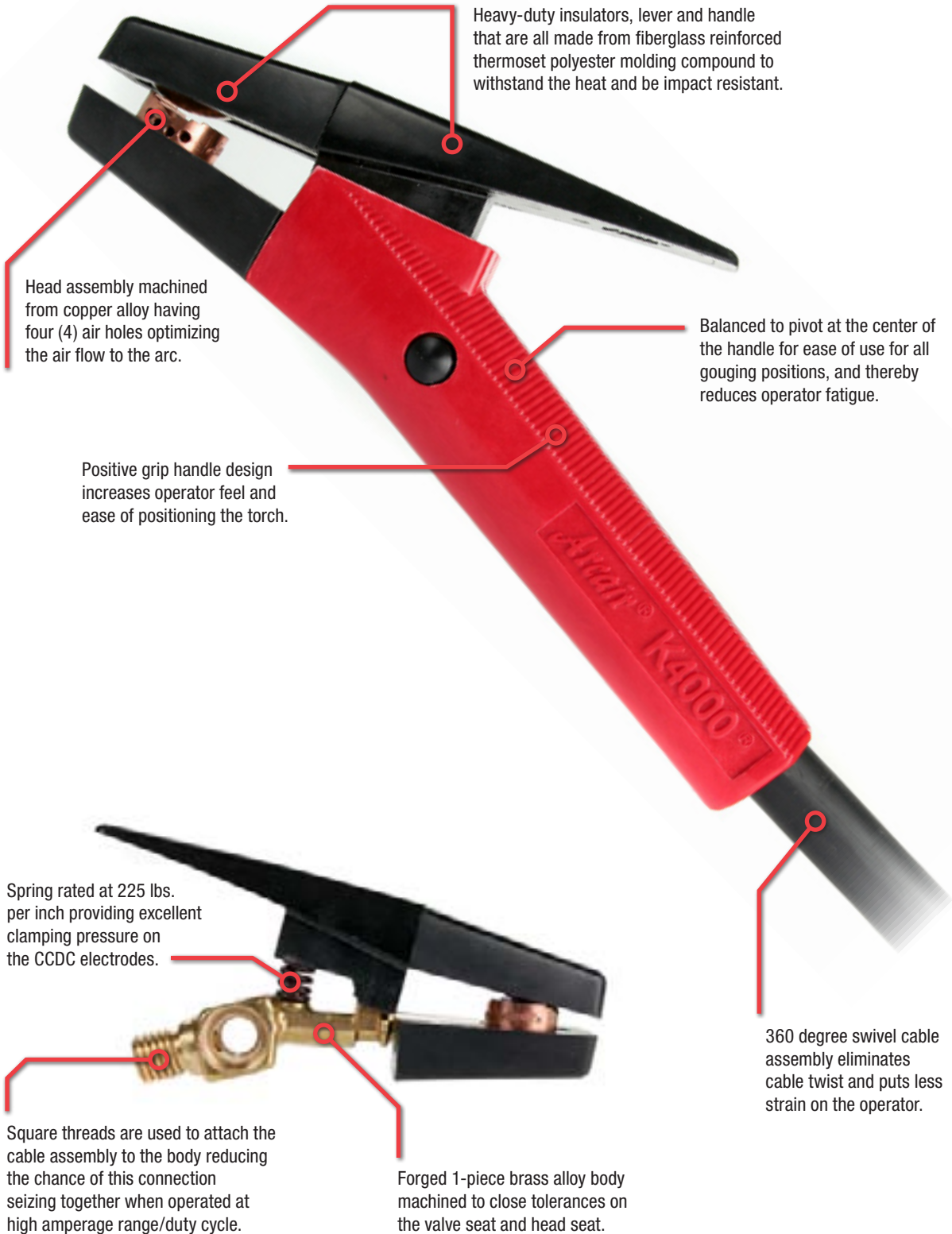
CCDC Electrode	Amperage Range					Recommended	Alternate
	90 – 450	450 - 1000	1000 -1400	1400 – 2000	2000 - 2400		
1/8" – 1/4" Round (3.2mm – 6.4mm) 3/8" Flat (9.5mm)						K2000™	
5/32" – 3/8" Round (4.0mm – 9.5mm) 3/8" & 5/8" Flats (9.5mm & 15.9mm)						K3000™	K2000™, K-3, H-3
5/32" – 1/2" Round (4.0mm – 12.7mm) 3/8" & 5/8" Flats (9.5mm & 15.9mm)						K4000®	K3000™
5/32" – 5/8" Round (4.0mm – 15.9mm) 3/8" & 5/8" Flats (9.5mm & 15.9mm)						K-5	K4000™, Tri-Arc®
5/16" – 1" Round (7.9mm – 19.5mm)						Tri-Arc®	

## WHICH TORCH IS RIGHT FOR YOU?

	Amperage (Maximum)	Swivel Cable	Concentric Cable Lengths (Feet)	Air-Cooled Water-Cooled	Handle Design	Body/Upper Arm Construction	Application	Special Features
K2000™	450	360°	7ft. & 10ft.	Air-Cooled	Small & Ergonomic	Aluminum	Light Duty	All aluminum torch parts including head assembly having 4-hole design
K3000™	600	360°	7ft. & 10ft.	Air-Cooled	Small & Ergonomic	Brass	Medium Duty	All brass torch parts with a copper head assembly having 4-hole design
K4000®	1000	360°	7ft. & 10ft.	Air-Cooled	Small & Ergonomic	Brass	Heavy Duty	All brass torch parts with a copper head assembly having 4-hole design
K-3	600	360°	7ft. & 10ft.	Air-Cooled	Straight	Brass	Medium Duty	All brass torch parts with a copper head assembly having 4-hole design
H-3	600	360°	7ft.	Air-Cooled	Straight	Brass	Medium Duty	All brass torch parts with a copper head assembly having 4-hole design
K-5	1250	340°	7ft. & 10ft.	Air-Cooled	Straight	Brass	Heavy Duty	All brass torch parts with a copper head assembly having 4-hole design
Tri-Arc®	2200	340°	7ft. & 10ft.	Air-Cooled & Water-Cooled	Straight	Copper	Heavy Duty	Versatility with three (3) different head assemblies to choose from to meet any metal removal application

# Manual Gouging Torches

## K4000® ANGLE-ARC® MANUAL GOUGING TORCH



Heavy-duty insulators, lever and handle that are all made from fiberglass reinforced thermoset polyester molding compound to withstand the heat and be impact resistant.

Head assembly machined from copper alloy having four (4) air holes optimizing the air flow to the arc.

Balanced to pivot at the center of the handle for ease of use for all gouging positions, and thereby reduces operator fatigue.

Positive grip handle design increases operator feel and ease of positioning the torch.

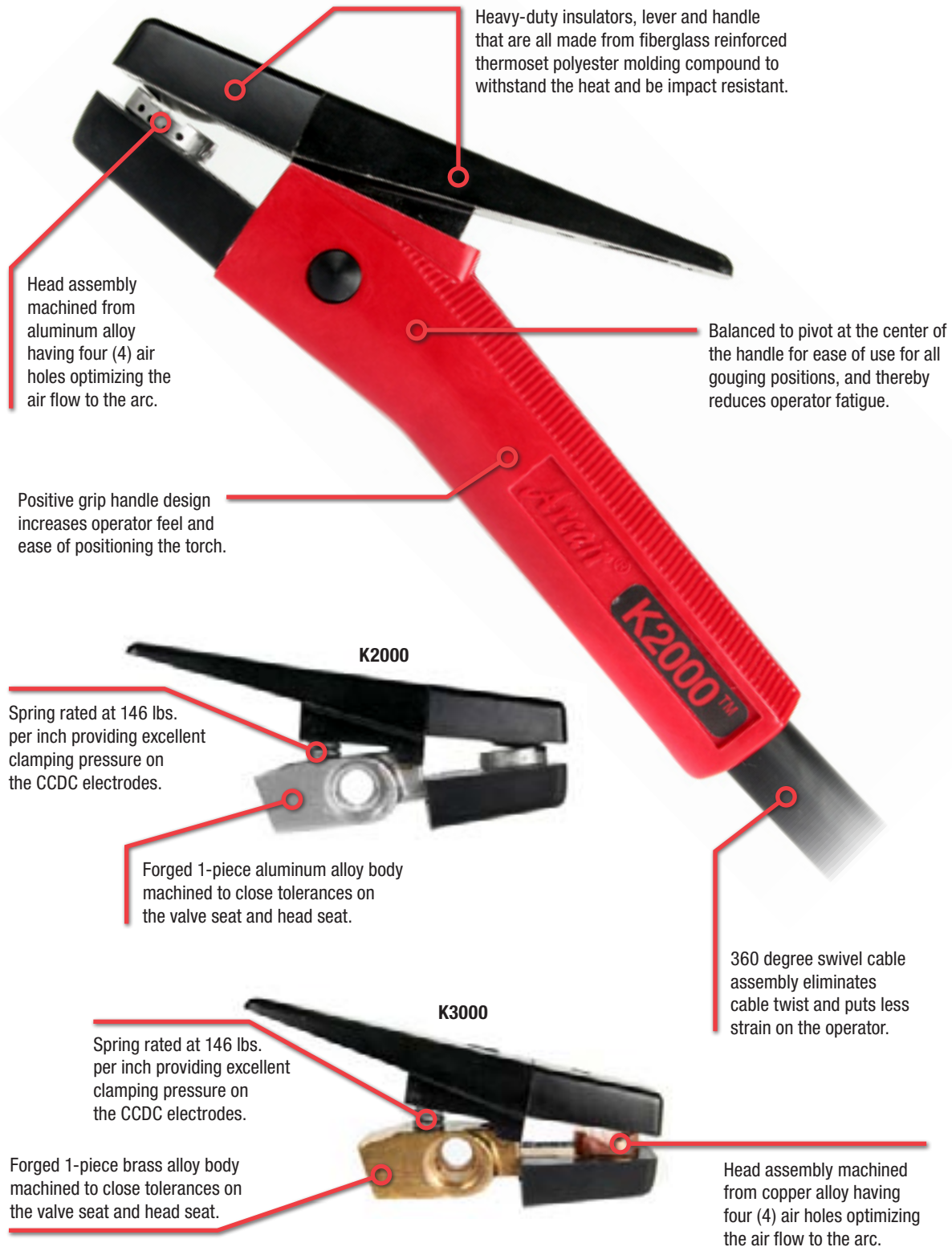
Spring rated at 225 lbs. per inch providing excellent clamping pressure on the CCDC electrodes.

Square threads are used to attach the cable assembly to the body reducing the chance of this connection seizing together when operated at high amperage range/duty cycle.

Forged 1-piece brass alloy body machined to close tolerances on the valve seat and head seat.

360 degree swivel cable assembly eliminates cable twist and puts less strain on the operator.

## K2000™ & K3000™ ANGLE-ARC® MANUAL GOUGING TORCH



Heavy-duty insulators, lever and handle that are all made from fiberglass reinforced thermoset polyester molding compound to withstand the heat and be impact resistant.

Head assembly machined from aluminum alloy having four (4) air holes optimizing the air flow to the arc.

Balanced to pivot at the center of the handle for ease of use for all gouging positions, and thereby reduces operator fatigue.

Positive grip handle design increases operator feel and ease of positioning the torch.

K2000

Spring rated at 146 lbs. per inch providing excellent clamping pressure on the CCDC electrodes.

Forged 1-piece aluminum alloy body machined to close tolerances on the valve seat and head seat.

360 degree swivel cable assembly eliminates cable twist and puts less strain on the operator.

K3000

Spring rated at 146 lbs. per inch providing excellent clamping pressure on the CCDC electrodes.

Forged 1-piece brass alloy body machined to close tolerances on the valve seat and head seat.

Head assembly machined from copper alloy having four (4) air holes optimizing the air flow to the arc.

# Manual Gouging Torches

## ANGLE-ARC® MANUAL GOUGING TORCHES

### FEATURES & BENEFITS

- Natural 15° torch angle**
  - greater operator comfort
- Durable front insulators**
  - high impact and heat resistant protecting the torch metal parts
- 360° Swivel cable**
  - less cable twist
  - less strain on operator
- Positive grip handle**
  - greater operator feel and ease in positioning the torch
- Reduced weight**
  - optimum cable and torch weight to minimize fatigue
- High quality cable hose**
  - best quality cable hose offers high heat and abrasion resistance
  - non conductive



K4000

### ANGLE-ARC® MANUAL GOUGING TORCHES

	Torch Only	Torch w/7ft. (2.1M) 360° Swivel Cable	Torch w/7ft. (2.1M) 360° Swivel Cable & Insulated Hook-Up Kit	Torch w/10ft. (3M) 360° Swivel Cable	Torch w/10ft. (3M) 360° Swivel Cable & Insulated Hook-Up Kit
K2000	01-046-001	61-046-006	61-046-002	61-046-007	61-046-003
K3000	01-065-001	61-065-006	61-065-002	61-065-007	61-065-003
K4000	01-082-002	61-082-008	61-082-006	61-082-009	61-082-007

Torch Model	Electrode Size (In./mm)	Air Requirements				Typical Application
		P.S.I.	KG/CM <sup>2</sup>	CFM	L/Min.	
K2000™	1/8" - 1/4" Round (3.2mm - 6.4mm) 3/8" Flat (9.5mm)	40	2.8	8	227	<b>Light Duty</b> - Small shops, body shops, farm, light maintenance, and where air supply is limited
K3000™	5/32" - 3/8" Round (4.0mm - 9.5mm) 5/8" Flat (15.9mm)	80	5.6	22	624	<b>Medium Duty</b> - General repair and maintenance jobs in areas as mining, construction, and all types of metal fabrication
K4000®	5/32" - 1/2" Round (4.0mm - 12.7mm) 5/8" Flat (15.9mm)	80	5.6	25	708	<b>Heavy Duty</b> - Heavy metal removal applications such as weld preparations in pressure vessel shops and shipyards

## SWIVEL CABLE ASSEMBLY OPTIONS

### SWIVEL CABLE ASSEMBLIES

Description	K2000 K3000	K4000
7ft. (2.1M) 360° Swivel Cable Assembly	70-088-107	70-084-207
10ft. (3M) 360° Swivel Cable Assembly	70-088-110	70-084-210

K2000 & K3000 360° Swivel Cable



K4000 360° Swivel Cable

