

ARC GOUGING TORCH

4000 SERIES®



4000 Series® Arc Gouging Torch

The Lincoln Electric 4000 Series Torch is an industrial carbon arc gouging torch suitable for a variety of arc gouging carbon sizes, as well as a wide range of currents and air pressures. The ergonomic handle design and unique connection enclosure help improve comfort, reduce hand fatigue and enhance operator protection.

- » Ergonomic profile for comfort
- » Industrial durability
- » Enhanced operator safety
- » Versatile compatibility
- » Supports a variety of arc gouging carbon sizes

Processes »

Carbon Arc Gouging

Product Number »

K4989-1 4000 Series Arc Gouging Torch With 7 ft. Cable
K4990-1 4000 Series Arc Gouging Torch With 10 ft. Cable
KP5141-1 4000 Series Torch Insulator Set
KP5142-1 4000 Series Torch Handle
KP5143-1 7 ft. Cable Asm. For 4000 Series Torch
KP5144-1 10 ft. Cable Asm. For 4000 Series Torch
KP5145-1 4000 Series Arc Gouging Torch Repl.

KEY FEATURES

- » **Ergonomic Over-Molded Handle Design** - Improves grip and reduces hand fatigue
- » **Enclosed Connection Housing** - Helps shield operator from high-voltage back-end connection, enhancing safety
- » **360° Swivel Cable** - Eliminates cable twist and reduces strain
- » **Industrial Durability** - Constructed of thermoset polymer
- » **High Performance** - Operates at up to 1000 amps and 100 psi air pressure



360 degree Swivel Cable



Thermoset Polymer Handle



Enclosed Connection Housing

ERGONOMIC TORCH HEAD



Copper Alloy Head Assembly

Features multi-channel port to optimize the air flow to the arc for effective metal removal.



Slim Head Design

Increases dexterity and is easier and more comfortable to hold while allowing access to tight joints.

REPLACEMENT PARTS

| Product Name | Description |
|--------------|---|
| KP5141-1 | 4000 Series® Arc Gouging Torch Insulator Set |
| KP5142-1 | 4000 Series® Arc Gouging Torch Handle Replacement |
| KP5143-1 | 7ft. Arc Gouging Torch Cable Assembly |
| KP5144-1 | 10ft. Arc Gouging Torch Cable Assembly |
| KP5145-1 | 4000 Series® Arc Gouging Torch Replacement |

PRODUCT SPECIFICATIONS

| Product Name | Product Number | Input Current | Cable Length | Power Connection | PSI Range | Arc Gouging Carbon Diameter Range in [mm] |
|---|----------------|---------------|--------------|------------------|------------|---|
| 4000 Series® Arc Gouging Torch with 7ft. Cable | K4989-1 | 90-1000 A | 7ft. | Lug | 40-100 PSI | Pointed: 5/32 - 1/2 (3.96 - 12.7) Flat: 5/8 (15.87) Max |
| 4000 Series® Arc Gouging Torch with 10ft. Cable | K4990-1 | | 10ft. | Lug | | |

RECOMMENDED EQUIPMENT FOR ARC GOUGING

| Product Name | Stick Welders | MIG Welders | Multi-Process Welders | Advanced Welders | Engine Drives |
|---------------------------|---------------|-------------|-----------------------|------------------|---------------|
| Idealarc® 250 | ● | | | | |
| Invertec® V276 | ● | | | | |
| Idealarc® CV400 | | ● | | | |
| Flextec® | | | ● | | |
| Idealarc® DC400 | | | ● | | |
| Idealarc® DC600 | | | ● | | |
| PIPEFAB® | | | | ● | |
| Power Wave® 300C Advanced | | | | ● | |
| Power Wave® S500 | | | | ● | |
| Power Wave® S700 | | | | ● | |
| Ranger® Engine Drives* | | | | | ● |
| Industrial Engine Drives | | | | | ● |

KEY: ● Excellent ● Good

*Note: The Ranger® 225 is not recommended for arc gouging

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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