

Weldcraft™ Tungsten

Tungsten for the most demanding TIG welding applications!

Available in four types and industry-standard diameters, our line of Weldcraft tungsten electrodes has undergone rigorous testing to ensure the highest quality and durability. Color-coded packages include ten 175 mm (7 in.) tungsten electrodes.

Type	Stock Number	Diameter mm (in.)	Type	Stock Number	Diameter mm (in.)
2% Ceriated (EWCe-2)			Pure (EWP)		
Performs well in DC welding and arc starting at low-current settings, and offers excellent performance in AC processes.	WC040X7	1.0 (0.040)	Forms a clean, balled end when heated and provides good arc stability for AC welding with a balanced or unbalanced squarewave or sine wave.	—	1.0 (0.040)
	WC116X7	1.6 (1/16)		WP116X7	1.6 (1/16)
	WC332X7	2.4 (3/32)		WP332X7	2.4 (3/32)
	WC018X7	3.2 (1/8)		WP018X7	3.2 (1/8)
	WC532X7	4.0 (5/32)		—	4.0 (5/32)
2% Lanthanated (EWLa-2)			Rare Earth (EWG)		
Provides excellent arc starting, arc stability and re-ignition, and less tip erosion in AC or DC welding. Can substitute for 2% Thoriated.	WL2040X7	1.0 (0.040)	Combines the best of all alloying elements, and provides excellent arc stability in AC or DC welding.	—	1.0 (0.040)
	WL2116X7	1.6 (1/16)		WG116X7	1.6 (1/16)
	WL2332X7	2.4 (3/32)		WG332X7	2.4 (3/32)
	WL2018X7	3.2 (1/8)		WG018X7	3.2 (1/8)
	WL2532X7	4.0 (5/32)		—	4.0 (5/32)



Note: Refer to manufacturer SDS sheets for proper preparation and safety. Use proper ventilation/capture during preparation. Refer to manufacturer warning regarding ventilation.

Weldcraft™ A-80 Series (Air-cooled)

Formerly known as WP-24 Series



Innovative air-cooled torches designed for intricate welding applications, especially in limited-access areas and on thin-gauge materials.

Featherweight torch body is well balanced to improve operator comfort and control.

Minimize discontinuities. Insulating gasket on torch body minimizes gas leakage and minimizes weld discontinuities.

Combining the flexible neck and gas valve is ideal for optimal positioning and gas flow control (A-80 Flex Valve).

Model	Specs	
A-80	Rated Output DC: 80 A at 60% duty cycle AC: 50 A at 60% duty cycle	Electrode Range 0.5-2.4 mm (.020-3/32 in.)
A-80 Flex		
A-80 Flex Valve		

Applications

- Shipbuilding ▪ Motorsports
- Aerospace ▪ Restricted areas

Most popular consumables

- Collets
 - 53N16 1.0 mm (.040 in.)
 - 53N14 1.6 mm (1/16 in.)
 - 24C332 2.4 mm (3/32 in.)
- Collet Bodies
 - 53N18 1.0 mm (.040 in.)
 - 53N19 1.6 mm (1/16 in.)
 - 24CB332 2.4 mm (3/32 in.)
- Alumina Nozzles
 - A53N24 #4, 1/4 in.
 - A53N25 #5, 5/16 in.
 - A53N27 #6, 3/8 in.

Most popular accessories

- Collet Body Wrench 53N20

Weldcraft™ A-125 Series (Air-cooled)

Formerly known as WP-9 Series



Air-cooled torches designed for optimal control while welding thin-gauge materials, especially in hard-to-reach places.

The lightweight body reduces fatigue and downtime, and increases operator comfort.

The pencil-style model without a back cap allows for superior access to confined areas (A-125 Pencil).

Combine the flexible neck and gas valve for welding limited-access joints using power sources without gas solenoids (A-125 Flex Valve).

For maximum versatility on multiple welding applications, without adding expenses, use the A-125 Flex Redhead and A-125 Flex Valve Redhead.

Model	Specs	
A-125	Rated Output DC: 125 A at 60% duty cycle AC: 100 A at 60% duty cycle	Electrode Range 0.5-3.2 mm (.020-1/8 in.)
A-125 Valve		
A-125 Flex		
A-125 Flex Valve		
A-125 Pencil		

Applications

- Maintenance and repair
- Home/hobby ▪ Motorsports
- Metal art ▪ Fabrication

Most popular consumables

- Collets
 - 13N22 1.6 mm (1/16 in.)
 - 13N23 2.4 mm (3/32 in.)
 - 13N24 3.2 mm (1/8 in.)
- Collet Bodies
 - 13N27 1.6 mm (1/16 in.)
 - 13N28 2.4 mm (3/32 in.)
 - 13N29 3.2 mm (1/8 in.)
- Alumina Nozzles
 - 13N10 #6, 3/8 in.
 - 13N11 #7, 7/16 in.
 - 13N12 #8, 1/2 in.

Most popular accessories

- Accessory Kit AK-1C
Includes one long back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (1.0, 1.6 mm) of the following: collet, collet body, and 175 mm 2% ceriated tungsten electrode.

Weldcraft™ A-150 Series (Air-cooled)

Formerly known as WP-17 Series



Versatile and innovative air-cooled torches designed for maximum comfort in a variety of applications.

Diamond Grip™ head design (A-150 and A-150 Valve) has ergonomic contact points for thumb and fingers. Provides a more comfortable grip and reduces operator fatigue.

Improve control and comfort with the A-150 Flex and the flexible neck that allows access into hard-to-reach areas.

Maximum versatility. Utilize the Redhead™ Series torches in a variety of welding applications without adding expenses.

Model	Specs
A-150	Rated Output DC: 150 A at 60% duty cycle AC: 115 A at 60% duty cycle
A-150 Valve	
A-150 Flex	Electrode Range 0.5-3.2 mm (.020-1/8 in.)
A-150 Flex Valve	
A-150 Flex Valve Redhead	
A-150 PSH*	
A-150 Valve PSH*	

*PSH = positive stop handle (threaded handle).

Applications

- Fabrication ▪ Maintenance and repair
- Aerospace ▪ Food/beverage industry
- Metal art ▪ Petro/chemical
- Shipbuilding

Most popular consumables

- Collets
 - 10N23 1.6 mm (1/16 in.)
 - 10N24 2.4 mm (3/32 in.)
 - 10N25 3.2 mm (1/8 in.)
- Collet Bodies
 - 10N31 1.6 mm (1/16 in.)
 - 10N32 2.4 mm (3/32 in.)
 - 10N28 3.2 mm (1/8 in.)
- Alumina Nozzles
 - 10N48 #6, 3/8 in.
 - 10N47 #7, 7/16 in.
 - 10N46 #8, 1/2 in.

Most popular accessories

▪ Accessory Kit

AK-150MFC
Allows A-150 torch customization. Converts into 28 different torch styles while using existing cable. Includes collets, collet bodies, nozzles, torch heads, handle and more.



Weldcraft™ A-200 Series (Air-cooled)

Formerly known as WP-26 Series



Dependable, top-performing air-cooled torches designed for heavy-duty welding applications.

Eliminate the expense of a water-cooled system. The air-cooled capability pairs reliability with cost-effectiveness for all field applications.

Combining the flexible neck and gas valve advances capabilities with greater comfort and control (A-200 Flex Valve).

Maximum versatility. Utilize the Redhead Series torches in a variety of welding applications without adding expenses.

Model	Specs
A-200	Rated Output DC: 200 A at 60% duty cycle AC: 150 A at 60% duty cycle
A-200 Valve	
A-200 Flex	Electrode Range 0.5-4.0 mm (.020-5/32 in.)
A-200 Flex Valve	
A-200 Flex Redhead	
A-200 Flex Valve Redhead	

Applications

- Fabrication ▪ Maintenance and repair
- Manufacturing ▪ Shipbuilding
- Vocational

Most popular consumables

- Collets
 - 10N23 1.6 mm (1/16 in.)
 - 10N24 2.4 mm (3/32 in.)
 - 10N25 3.2 mm (1/8 in.)
- Collet Bodies
 - 10N31 1.6 mm (1/16 in.)
 - 10N32 2.4 mm (3/32 in.)
 - 10N28 3.2 mm (1/8 in.)
- Alumina Nozzles
 - 10N47 #7, 7/16 in.
 - 10N46 #8, 1/2 in.
 - 10N45 #10, 5/8 in.

Most popular accessories

- Accessory Kit AK-3C

Weldcraft™ W-180 (Water-cooled)

Formerly known as WP-24W



One of the smallest water-cooled TIG torches on the market and designed for welding in confined areas that require high amperage.

Use high amperage in confined areas for efficient welding.

Superior maneuverability in limited-access locations with the compact torch body.

Excellent weld capacity without increasing torch size, due to the efficient cooling system.

Model	Specs	
W-180	Rated Output DC: 180 A at 100% duty cycle AC: 115 A at 100% duty cycle	Electrode Range 0.5-2.4 mm (.020-3/32 in.)

Applications

- Aerospace ▪ Manufacturing
- Food/beverage industry ▪ Shipbuilding
- Maintenance and repair
- Petro/chemical ▪ Precision fabrication

Most popular consumables

- Collets
 - 53N16 1.0 mm (.040 in.)
 - 53N14 1.6 mm (1/16 in.)
 - 24C332 2.4 mm (3/32 in.)
- Collet Bodies
 - 53N18 1.0 mm (.040 in.)
 - 53N19 1.6 mm (1/16 in.)
 - 24CB332 2.4 mm (3/32 in.)
- Alumina Nozzles
 - A53N24 #4, 1/4 in.
 - A53N25 #5, 5/16 in.
 - A53N27 #6, 3/8 in.

Weldcraft™ W-200 Pencil Flex (Water-cooled)

Formerly known as WP-25



Versatile water-cooled torch optimized for use in limited-access welding situations.

Pencil-style, flexible neck designed for both high-amperage applications and confined area access.

Decreased downtime and longer trouble-free service due to overheating with the innovative cooling design.

Comfort and control are increased with the lightweight, well-balanced body design.

Model	Specs	
W-200 Pencil Flex	Rated Output DC: 200 A at 100% duty cycle AC: 140 A at 100% duty cycle	Electrode Range 0.5-3.2 mm (.020-1/8 in.)

Applications

- Aerospace ▪ Manufacturing
- Food/beverage industry ▪ Shipbuilding
- Maintenance and repair
- Petro/chemical ▪ Precision fabrication

Most popular consumables

- Insulator (non-gas lens and gas lens) (required) 598882
- Collets (non-gas lens and gas lens)
 - 13N20 0.5 mm (.020 in.)
 - 13N21 1.0 mm (.040 in.)
 - 13N22 1.6 mm (1/16 in.)
 - 13N23 2.4 mm (3/32 in.)
 - 13N24 3.2 mm (1/8 in.)
- Collet Bodies
 - 13N25 0.5 mm (.020 in.)
 - 13N26 1.0 mm (.040 in.)
 - 13N27 1.6 mm (1/16 in.)
 - 13N28 2.4 mm (3/32 in.)
 - 13N29 3.2 mm (1/8 in.)
- Gas Lens
 - 45V41 0.5 mm (.020 in.)
 - 45V42 1.0 mm (.040 in.)
 - 45V43 1.6 mm (1/16 in.)
 - 45V44 2.4 mm (3/32 in.)
 - 45V45 3.2 mm (1/8 in.)
- Alumina Nozzles
 - 13N08 #4, 1/4 in.
 - 13N09 #5, 5/16 in.
 - 13N10 #6, 3/8 in.
 - 13N11 #7, 7/16 in.
 - 13N12 #8, 1/2 in.
 - 13N13 #10, 5/8 in.
 - 53N58 #4, 1/4 in. (gas lens)
 - 53N59 #5, 5/16 in. (gas lens)
 - 53N60 #6, 3/8 in. (gas lens)
 - 53N61 #7, 7/16 in. (gas lens)
 - 53N61S #8, 1/2 in. (gas lens)

Weldcraft™ W-225 Pencil (Water-cooled)

Formerly known as WP-20P



Water-cooled torch designed for long-term, trouble-free service with consistent welding performance in general applications.

Extend torch life and minimize downtime due to overheating with the efficient around-the-head cooling design.

Pencil-style head allows for greater access into hard-to-reach joints.

Comfort and control are increased with the lightweight, compact body design.

Model	Specs	
W-225 Pencil	Rated Output DC: 225 A at 100% duty cycle AC: 160 A at 100% duty cycle	Electrode Range 0.5-3.2 mm (.020-1/8 in.)