


WeldTec®

MACHINE TIG TORCHES



MODEL
WT-27C
ROBOTIC

MODEL
WT-27A

MODEL
WT-27B

MODEL
WT-28B

MODEL
WT-22A

WT-22 and WT-23 Compact Machine Torches

WT-22A



These compact size torches are available in both water cooled and air cooled models. While physically the smallest of the machine torches they share many important features with the larger models.

- Front or rear loading of the tungsten electrode. No need to raise or move the torch assembly to load or remove the electrode. The electrode withdraws with the shaft assembly when removed from the rear.
- Tightening of the electrode is made with the large shaft knob at the rear of the torch assembly, or by removing nozzle at front end.

- The 14" Model B is ideal for mounting wire feed guides, arc controls or cameras.
- A good selection of front end parts are available including three sizes of gas lens collet bodies. The gas lens insures protection of the critical weld zone by eliminating turbulence in the shielding gas flow. The gas lens also allows greater electrode stick-out for access to tight areas.
- Both models are available with hose and cable assemblies of 3 ft., 12 1/2 ft. or 25 ft. lengths.
- All accessories and spare parts are interchangeable with the popular 9.20 series hand torches.

ORDERING INFORMATION

WT-22A 260 Amps

Water Cooled Torch Package - 7" Long

WT-22A-3	7" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly, power block bracket and cable cover.
WT-22A-12	7" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable and hose assembly.
WT-22A-25	7" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable and hose assembly.

Order cable cover to protect cable and hose assembly.

WT-22B 260 Amps

Water Cooled Torch Package - 14" Long

WT-22B-3	14" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly, power block bracket and cable cover.
WT-22B-12	14" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable and hose assembly.
WT-22B-25	14" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable and hose assembly.

Order cable cover to protect cable and hose assembly.

Bracket Assembly Option

28-18	Water Cooled Torches
28-18B	Air Cooled Torches

Accessory Kit: AK-920 collet, collet body ³/₃₂, gas lens ³/₃₂, gas lens gasket, 3 alumina nozzles #6, #7, #8; tungsten electrode ³/₃₂.

Additional items such as power cable adapters or hook-up kits may be required to complete your torch set-up.

WT-23A 130 Amps

Air Cooled Torch Package - 7" Long

WT-23A-3	7" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly.
WT-23A-12	7" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly.
WT-23A-25	7" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly.

WT-23B 130 Amps

Air Cooled Torch Package - 14" Long

WT-23B-3	14" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly.
WT-23B-12	14" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly.
WT-23B-25	14" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly.

WT-22, WT-23 MACHINE TORCH SPECIFICATIONS

Maximum Capacity, Water-cooled (ac-dcsp)	260 AMPS
Air-cooled (ac-dcsp)	130 AMPS
Barrel Diameter	1" (2.5cm)
Overall Length	Model A - 7 7/16" (18.9cm) Model B - 14 7/16" (36.7cm)

Tungsten Capacity (All models)	.020" through 1/8"
Maximum Tungsten Length	Model A - 7" (17.8cm) Model B - 14" (35.6cm)
Cooling Requirements (Water-cooled models)	1 Qt./min. (1 L/min)

For more information contact your local welding supply distributor.

WeldTec®

TEC WELDING PRODUCTS, Inc.
P.O. Box 1870, San Marcos, CA 92079 USA
(760) 747-3700 • Fax (760) 747-2121
www.tectorch.com www.weldtec.com

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WT-28 and WT-29 Mid-size Machine Torches

WT-28B



These mid-size torches are available in both water cooled and air cooled models. While physically smaller than the WT-27 models they share many important features.

- Front or rear loading of the tungsten electrode. No need to raise or move the torch assembly to load or remove the electrode. The electrode withdraws with the shaft assembly when removed from the rear.
- Tightening of the electrode is made with the large shaft knob at the rear of the torch assembly, or by removing nozzle at front end.
- The 14" Model B is ideal for mounting wire feed guides, arc controls or cameras on the torch barrel.

- A good selection of front end parts make these models extremely versatile. Two sizes of gas lens collet bodies insures protection of the critical weld zone by eliminating turbulence in the shielding gas flow. The gas lens also allows greater electrode stick-out for access to tight areas.
- Both models are available with hose and cable assemblies of 3 ft., 12 1/2 ft. or 25 ft. lengths.
- All accessories and spare parts are interchangeable with the popular 17, 18, 26 series hand torches.

ORDERING INFORMATION

WT-28A 350 Amps

Water Cooled Torch Package - 7" Long

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|------------------|---|
| WT-28A-3 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly. |
| WT-28A-12 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly. |
| WT-28A-25 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly. |
- Order cable cover to protect cable and hose assembly.

WT-29A 180 Amps

Air Cooled Torch Package - 7" Long

- | | |
|------------------|---|
| WT-29A-3 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly. |
| WT-29A-12 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly. |
| WT-29A-25 | 7" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly. |

WT-28B 350 Amps

Water Cooled Torch Package - 14" Long

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|------------------|--|
| WT-28B-3 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly. |
| WT-28B-12 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly. |
| WT-28B-25 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly. |
- Order cable cover to protect cable and hose assembly.

WT-29B 180 Amps

Air Cooled Torch Package - 14" Long

- | | |
|------------------|--|
| WT-29B-3 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly. |
| WT-29B-12 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly. |
| WT-29B-25 | 14" Torch body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly. |

Bracket Assembly Option

- | | |
|---------------|----------------------|
| 27-18 | Water Cooled Torches |
| 27-18A | Air Cooled Torches |

Accessory Kit: AK-1718 contains; 3/32 collet, collet body, gas lens gasket, 3 nozzles, #6, #7, #8 and 3/32 electrode..

Additional items such as power cable adapters or hook-up kits may be required to complete your torch set-up.

WT-28, WT-29 MACHINE TORCH SPECIFICATIONS

Maximum Capacity, Water-cooled (ac-dcsp)	350 AMPS
Air-cooled (ac-dcsp)	180 AMPS
Barrel Diameter	1" (2.5cm)
Overall Length	Model A - 7 ⁷ / ₁₆ " (18.9cm) Model B - 14 ⁷ / ₁₆ " (36.7cm)

Tungsten Capacity (All models)	.040" through ⁵ / ₃₂ "
Maximum Tungsten Length	Model A - 7" (17.8cm) Model B - 14" (35.6cm)
Cooling Requirements (Water-cooled models)	1 Qt./min. (1 L/min)

WT-27 Heavy Duty Machine Torches

WT-27A



WeldTec's machine TIG torches are the most advanced designs of their kind. Designed to meet the needs of today's TIG welding professionals.

They are available in several sizes and styles, both water cooled and air cooled. Now you can specify the exact model that best suits your application.

These important features are common to all WT-27 models.

- Front or rear loading of the tungsten electrode. No need to raise or move the torch assembly to load or remove the electrode. The electrode withdraws with the shaft assembly when removed from the rear.
- Tightening of the electrode can be made with the ribbed sleeve at the nozzle end or by the shaft knob at the rear of the torch body.

- The tungsten electrode can be raised or lowered within the torch assembly for fine positioning. Axial movement of approximately 1/4" (6,4mm) is possible by moving the ribbed sleeve and the shaft knob in unison.
- The collet body features an integral gas lens containing fine stainless screens which eliminate turbulence in the shielding gas flow. The collet body-gas lens assemblies are available for tungsten electrode sizes 1/16" (1,6mm) through 1/4" (6,4mm) diameters.
- All WT-27 models are available with hose and cable assemblies in 3 ft., 12 1/2 ft. or 25 ft. lengths.
- All accessories and spare parts are interchangeable with other similar industry brands.

ORDERING INFORMATION

WT-27AA 200 Amps

Air Cooled Torch Package - 9" Long

WT-27AA-3	9" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly.
WT-27AA-12	9" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly.
WT-27AA-25	9" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly.

WT-27AW 500 Amps

Water Cooled Torch Package - 9" Long

WT-27AW-3	9" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly.
WT-27AW-12	9" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable and hose assembly.
WT-27AW-25	9" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable and hose assembly.

Bracket Assembly Option

27-18	Water Cooled Torches
27-18A	Air Cooled Torches

Accessory Kit: **AK-27-18** contains; 1/8 collet, gas lens collet body, 1 #10 nozzle, 2 #12 nozzles, 1/8 electrode.

Additional items such as power cable adapters or hook-up kits may be required to complete your torch set-up.

WT-27BA 200 Amps

Air Cooled Torch Package - 20" Long

WT-27BA-3	20" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly.
WT-27BA-12	20" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly.
WT-27BA-25	20" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly.

WT-27BW 500 Amps

Water Cooled Torch Package - 20" Long

WT-27BW-3	20" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly.
WT-27BW-12	20" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable and hose assembly, bracket assembly.
WT-27BW-25	20" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable and hose assembly, bracket assembly.

WT-27CA 200 Amps

Air Cooled Torch Package - 9" Long

WT-27CA-3	9" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable assembly.
WT-27CA-12	9" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable assembly.
WT-27CA-25	9" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable assembly.

WT-27CW 500 Amps

Water Cooled Torch Package - 9" Long

WT-27CW-3	9" body assembly, barrel, shaft assembly, insulating boot, 3 ft. power cable and hose assembly.
WT-27CW-12	9" body assembly, barrel, shaft assembly, insulating boot, 12 1/2 ft. power cable and hose assembly.
WT-27CW-25	9" body assembly, barrel, shaft assembly, insulating boot, 25 ft. power cable and hose assembly.

WT-27 MACHINE TORCH SPECIFICATIONS

Maximum Capacity, Water-cooled (ac-dcsp)	500 AMPS	Tungsten Capacity (All models)	1/16" through 1/4"
Air-cooled (ac-dcsp)	200 AMPS	Maximum Tungsten Length	Model A - 7" (17.8cm)
Barrel Diameter	1 3/8" (3.49cm)		Model B - 18" (45.7cm)
Overall Length	Model A - 9" (22.9cm)		Model C - 7" (17.8cm)
	Model B - 20" (50.8cm)	Cooling Requirements	2 Qt./min. (1.9 L/min)
	Model C - 9" (22.9cm)	(Water-cooled models)	