

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

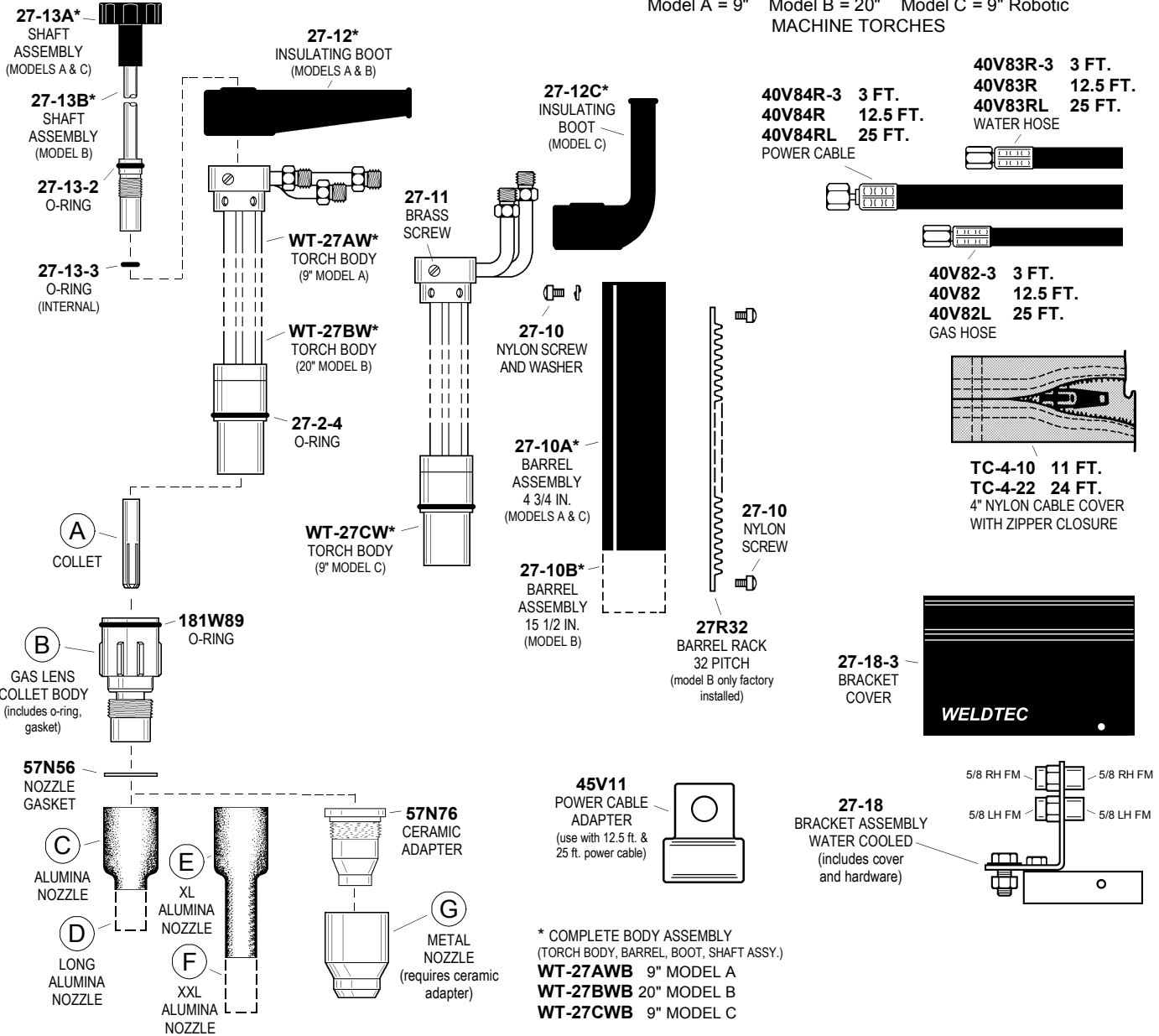
Water Cooled Torch Package - 9" Long

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)	Model C - 7" (17.8cm)
Overall Length	Model A - 9" (22.9cm)	Cooling Requirements	2 Qt./min. (1.9 L/min)
Model B - 20" (50.8cm)	Model C - 9" (22.9cm)	(Water-cooled models)	

Model A = 9" Model B = 20" Model C = 9" Robotic MACHINE TORCHES



* COMPLETE BODY ASSEMBLY (TORCH BODY, BARREL, BOOT, SHAFT ASSY.)
WT-27AWB 9" MODEL A
WT-27BWB 20" MODEL B
WT-27CWB 9" MODEL C

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COLLETS • COLLET BODIES • GAS LENS

ITEM	ELECTRODE DIAMETER	1/16 1,6	3/32 2,4	1/8 3,2	5/32 4,0	3/16 4,8	1/4 6,4
A	COLLET	57N46	57N47	57N48	57N49	57N50	57N51
B	GAS LENS COLLET BODY	49V23	49V24	49V25	49V26	49V27	49V28

INDIVIDUAL ACCESSORY KITS

AK-27-18 INCLUDES: 1/8 COLLET AND GAS LENS COLLET BODY, 1 - #10 NOZZLE, 2 - #12 NOZZLES, 1/8 X 7" TUNGSTEN ELECTRODE.

GAS NOZZLES

ITEM	NO. SIZE	LENGTH	6 3/8"	7 7/16"	8 1/2"	10 5/8"	12 3/4"	15 15/16"
C	ALUMINA LG. DIA. GAS LENS	1 7/8"	57N75	—	57N74	53N88	53N87	53N89
D	LONG ALUMINA	2 3/4"	57N75L	—	57N74L	53N88L	53N87L	—
E	XL ALUMINA	3 1/4"	57N75XL	—	57N74XL	53N88XL	53N87XL	—
F	XXL ALUMINA	4 3/4"	57N75XXL	—	57N74XXL	53N88XXL	53N87XXL	—
G	METAL	1 13/16"	—	—	—	57N78	57N77	—

* #15 53N89 15/16" ID X 17/8" Long