

TIGMASTER®

HIGH PERFORMANCE TIG WELDING TORCHES



The new Speedway Series torches bring together the best in design, materials and workmanship to give today's professional TIG welder the features to achieve unprecedented weld results.

Features

- Silver brazed copper construction
- High temperature silicone rubber
- Over braided rubber hoses and power cables
- Speed nut hose connections
- Speed bump ergonomic handle
- Speed angle torch body



Silver brazed copper construction - which increases electrical current capacity and dissipates heat most efficiently giving long trouble free performance.

Resilient high temperature silicone rubber - insulation with high dielectric properties prevent "HF" current leakage and resists chipping, cracking and withstands temperatures to 500°F.

Flexible over braided rubber hoses and power cables - provides flexibility and manoeuvrability not available with traditional vinyl tube materials. This is especially helpful in cold environments.

Large tin plated copper conductors resist corrosion and have greater current carrying capacity than twin cable assemblies.

Speed Nut hose connections - mean no more troublesome wire clamps. No tools or special hose assemblies required. Repairs or replacements are quick and simple with these positive finger nut connections.

Speed Bump ergonomic handle - shape lays comfortably in the welders hand. The handle rotates 360° for the optimum position to allow long work cycles without tiring. The built-in retaining lip keeps the cable cover neatly and securely in place.

Speed Angle off set torch body - allows the welder access to difficult weld locations yet remains comfortable to hold. Quality construction, modern design and materials while retaining the use of industry standard head parts such as collets, collet bodies, gas lenses, back caps and nozzles. This interchangeability keeps costs low and accessories readily available to keep these torches working for years to come.



INDEPENDENT WHOLESALE WELDING SUPPLY

Ph: 02 8834 2400 Fax: 02 8834 2498 Email: iwws@iwws.net Website: www.iwws.net

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SPECIFICATIONS

	SW-320	SW-320SA	SW-450
Maximum Amperage Capacity (AC-DCSP)	320 AMPS	320 AMPS	450 AMPS
Weight (Torch Body and Handle)	3.0 oz (84 gm)	3.0 oz (64 gm)	11 oz (312 gm)
Tungsten Size Capacity	.020" - 5/32" (0.5 - 4.0mm)	.020" - 5/32" (0.5 - 4.0 mm)	.040" - 3/16" (1.0 - 4.8 mm)
Maximum Tungsten Length	7" (178mm)	7" (178 mm)	7" (178 mm)
Cooling Requirements	1 QT./min (.946 L/min)	1 QT./min (.946 L/min)	1.75 QT./min (1.66 L/min)
Maximum Coolant Pressure	50 psi (345 Kpa)	50 psi (345 Kpa)	50 psi (345 Kpa)

ORDERING INFORMATION

SW-320 Delux Torch Package

SW-320-12DX 12½ ft. Torch Package
SW-320-25DX 25 ft. Torch Package

SW-320SA Delux Torch Package

SW-320SA-12DX 12½ ft. Torch Package
SW-320SA-25DX 25 ft. Torch Package

SW-450 Delux Torch Package

SW-450-12DX 12½ ft. Torch Package
SW-450-25DX 25 ft. Torch Package

SW-320 & SW320SA Deluxe Torch Package Includes:

Torch body, handle, over braided rubber hoses and power cable assembly, premium leather cable cover, 3/32 x 7" tungsten electrode, all back cap

SW-450 Deluxe Torch Package Includes:

Torch body, handle, over braided rubber hoses and power cable assembly, premium leather cable cover, 1/8" collet and collet body, #8 alumina nozzle, 1/8" x 7" tungsten electrode, both back caps.

OPTIONAL ACCESSORY KIT

AK-320 Deluxe Accessory Kit

For SW-320 Model	Contains 1 Each.
Collets:	1/16", 3/32", 1/8"
Collet Bodies:	1/16", 3/32", 1/8"
Gas Lenses:	1/16", 3/32", 1/8"
Back Caps:	Medium, Short
Alumina Nozzles:	#5, #6
Alum. Gas Lens Nozzles:	#6, #7
Tungsten Electrodes:	1/16", 3/32", 1/8" x 7"

AK-450 Deluxe Accessory Kit

For SW-450 Model	Contains 1 Each.
Collets:	3/32", 1/8", 5/32"
Collet Bodies:	Universal
Gas Lenses:	3/32", 1/8", 5/32"
Gas Lens Insulator:	
Alumina Nozzles:	#6, #7, #8
Alum. Gas Lens Nozzles:	#8, #10
Tungsten Electrodes:	3/32", 1/8", 5/32" x 7"



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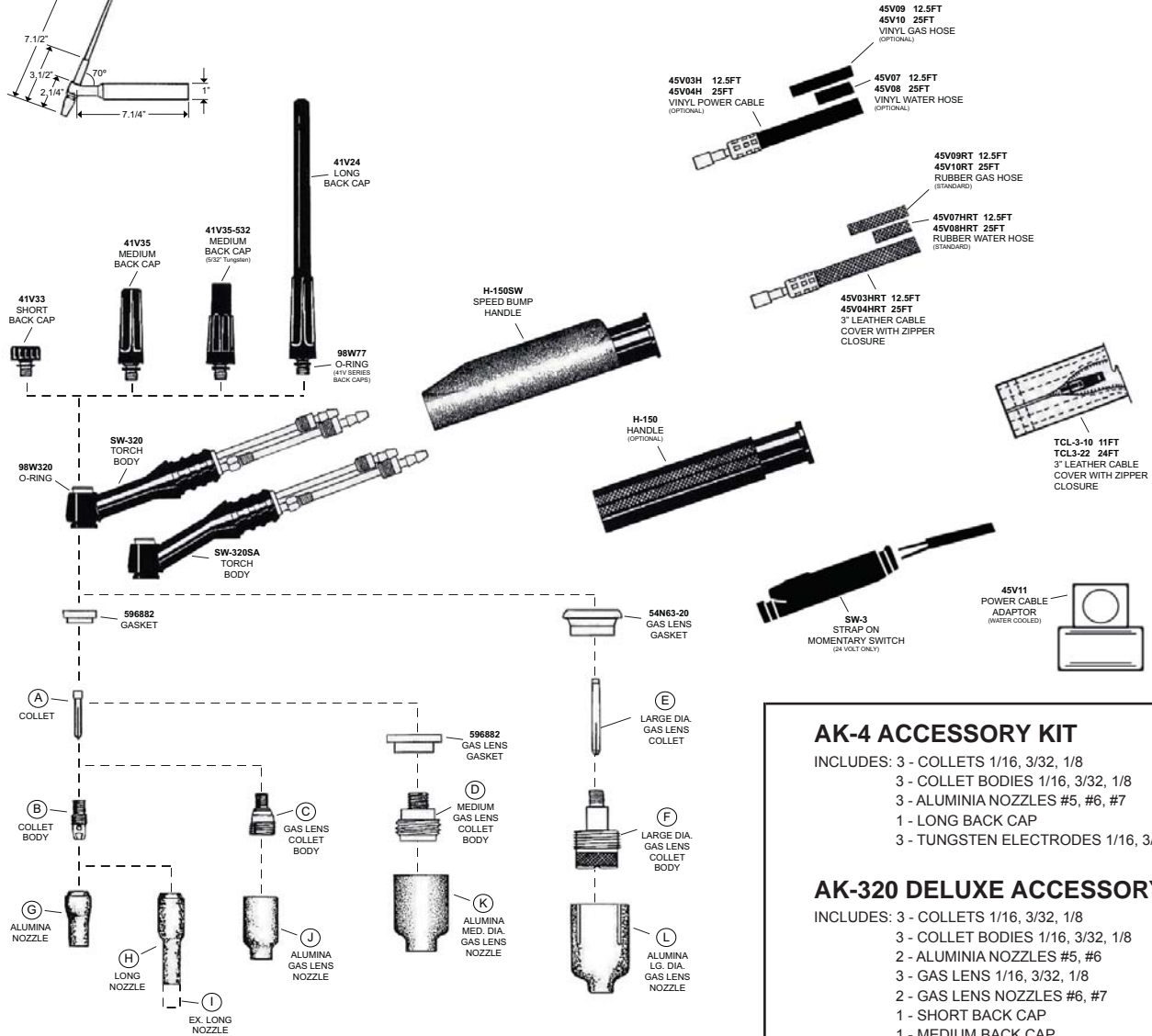
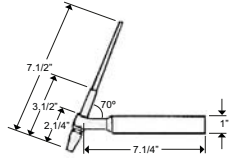
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REPLACEMENT PARTS

SW-320 320 AMPS • WATER COOLED



AK-4 ACCESSORY KIT

- INCLUDES: 3 - COLLETS 1/16, 3/32, 1/8
 3 - COLLET BODIES 1/16, 3/32, 1/8
 3 - ALUMINIA NOZZLES #5, #6, #7
 1 - LONG BACK CAP
 3 - TUNGSTEN ELECTRODES 1/16, 3/32, 1/8 x 7"

AK-320 DELUXE ACCESSORY KIT

- INCLUDES: 3 - COLLETS 1/16, 3/32, 1/8
 3 - COLLET BODIES 1/16, 3/32, 1/8
 2 - ALUMINIA NOZZLES #5, #6
 3 - GAS LENS 1/16, 3/32, 1/8
 2 - GAS LENS NOZZLES #6, #7
 1 - SHORT BACK CAP
 1 - MEDIUM BACK CAP
 3 - TUNGSTEN ELECTRODES 1/16, 3/32, 1/8 x 7"

COLLETS • COLLET BODIES • GAS LENS

ITEM	ELECTRODE DIAMETER	.020 0,5	.040 1,0	1/16 1,6	3/32 2,4	1/8 3,2	5/32* 4,0
A	COLLET	13N20	13N21	13N22	13N23	13N24	13NC532
B	COLLET BODY	13N25	13N26	13N27	13N28	13N29	13NCB532
C	GAS LENS	45V41	45V42	45V43	45V44	45V45	—
D	MED. DIA. GAS LENS	—	45V34SW	45V35SW	45V36SW	45V37SW	45V38SW
E	LG. DIA GAS LENS COLLET	13N20L	13N21A	13N22L	13N23L	13N24L	—
F	LG. DIA GAS LENS	45V0204S		45V116S	45V64S	995795S	—

GAS NOZZLES

ITEM	NO. SIZE	3 3/16"	4 1/4"	5 5/16"	6 3/8"	7 7/16"	8 1/2"	10 5/8"	11 11/16"	12 3/4"
G	ALUMINA	—	13N08	13N09	13N10	13N11	13N12	13N13	—	—
H	LONG 17/8"	796F70	796F71	796F72	796F73	—	—	—	—	—
I	EX. LONG 21/2"	796F74	796F75	796F76	796F77	—	—	—	—	—
J	ALUMINA GAS LENS	—	53N58	53N59	53N60	53N61	53N61S	—	—	—
K	ALUMINA MED. DIA. GAS LENS	—	—	—	54N16SW	54N15SW	54N14SW	54N12SW	54N19	—
L	ALUMINA LG. DIA. GAS LENS	—	—	—	57N75	—	57N74	53N88	—	53N87**

* 41V35-532 Medium Back Cap Required To Use 5/32 Parts

** #15 53N89 15/16" ID x 1 7/8" Long.



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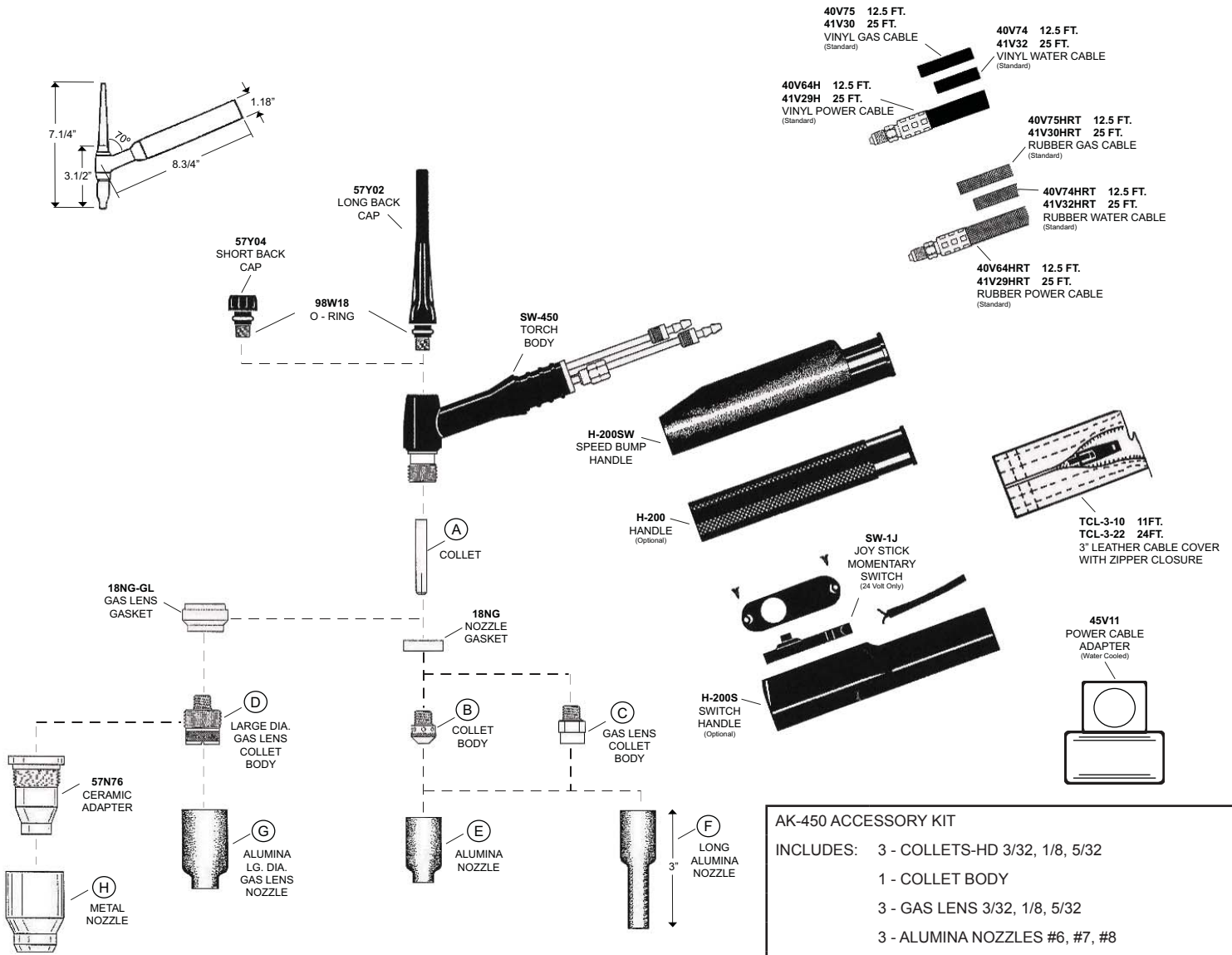
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REPLACEMENT PARTS

SW-450 450 AMPS • WATER COOLED



AK-450 ACCESSORY KIT
 INCLUDES: 3 - COLLETS-HD 3/32, 1/8, 5/32
 1 - COLLET BODY
 3 - GAS LENS 3/32, 1/8, 5/32
 3 - ALUMINA NOZZLES #6, #7, #8
 3 - TUNGSTEN ELECTRODES 3/32, 1/8, 5/32 x 7"

COLLETS • COLLET BODIES • GAS LENS

ITEM	ELECTRODE DIAMETER	.040 1,0	1/16 1,6	3/32 2,4	1/8 3,2	5/32 4,0	3/16 4,8
A	COLLET	10N22HD	10N23HD	10N24HD	10N25HD	54N20HD	18C36
B	COLLET BODY	NCB-36					
C	GAS LENS	18GL04	18GL16	18GL32	18GL18	18GL53	18GL36
D	LG. DIA. GAS LENS	45V94	45V95	45V96	45V97	45V98	45V99

GAS NOZZLES

ITEM	NO. SIZE	4 1/4"	5 5/16"	6 3/8"	7 7/16"	8 1/2"	10 5/8"	11 11/16"	12 3/4"
E	ALUMINA	54N18	54N17	54N16*	54N15*	54N14*	—	54N19	—
F	LONG ALUMINA 3"	—	54N17L	54N16L	54N15L	—	—	—	—
G	ALUMINA LG. DIA. GAS LENS	—	—	57N75	—	57N74	53N88	—	53N87**
H	METAL	—	—	—	—	—	57N78	—	57N77

* Nozzles Available In HPS High Performance Series (Grey Color).

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