

# **SPEEDWAY**<sup>®</sup>

## *High Performance Tig Welding Series*



*Revolutionary new design packed with performance features to meet today's TIG welding professional's needs.*

SW-320

SW-450

SW-320SA



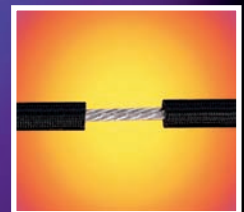
**SPEED BUMP™ HANDLE**  
Fits the welder's hand like a fine instrument. Can rotate 360°. Retaining ring keeps cable cover secure.



**DUAL BACK CAP SEAL**  
Provides positive gas seal and protection against "HF" current leakage.



**SPEED NUT™ HOSE CONNECTIONS**  
No more troublesome wire clamps. No tools or special hoses. Quick, easy repairs.



**HIGH PERFORMANCE CABLE ASSEMBLIES**  
Soft, flexible over braided hoses and power cable provides maximum maneuverability. Larger copper conductor.

**Speedway<sup>®</sup> Series sets a new track record.**

# SPEEDWAY<sup>®</sup> Series

## High Performance Tig Welding Torches

The new **Speedway<sup>®</sup> Series** torches bring together the best in design, materials and workmanship to give today's professional TIG welder the features to achieve unprecedented performance.

Features such as silver brazed copper construction which increases electrical current capacity and dissipates heat most efficiently.

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

Modern flexible over braided rubber hoses and power cables provide flexibility and maneuverability not available with traditional vinyl tube materials. Larger copper conductors that have greater current carrying capacity.

**Speed Nut<sup>™</sup>** hose connections mean no more troublesome wire clamps. No tools or special hose assemblies required.

The new **Speed Bump<sup>™</sup>** ergonomic handle shape lays comfortably in the hand. The handle can be rotated 360° for the optimum position to allow for long work cycles without tiring. The built-in retaining ring keeps the cable cover securely in place.

The **Speed Angle<sup>™</sup>** off-set torch body allows the welder access to difficult weld locations yet remains comfortable to hold.

Quality construction, modern design and premium materials while retaining the use of industry standard 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.

**Quality, Performance and...  
Made in America.**

### ORDERING INFORMATION

#### SW-320 Deluxe Torch Package

SW-320-12 DX	12 1/2 ft. Torch Pkg
SW-320-25 DX	25 ft. Torch Pkg

#### SW-320SA Deluxe Torch Package

SW-320SA-12DX	12 1/2 ft. Torch Pkg
SW-320SA-25DX	25 ft. Torch Pkg

#### Deluxe Torch Package Includes:

Torch body, handle, over braided rubber hoses and power cable assembly, premium leather cable cover, 3/32" collet and collet body, #6 alumina nozzle, 3/32" x 7" tungsten electrode, short, medium and long back caps.

#### SW-450 Deluxe Torch Package

SW-450-12 DX	12 1/2 ft. Torch Pkg
SW-450-25 DX	25 ft. Torch Pkg

#### 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, short and long back caps.

#### OPTIONAL ACCESSORY KITS

##### 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"  
 Alumina Nozzles: #5, #6, #7  
 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 Body: 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"

### SPECIFICATIONS

	SW-320	SW-320SA	SW-450
<b>Maximum Amperage Capacity</b> (ac-dcsp)	320 AMPS	320 AMPS	450 AMPS
<b>Weight</b> (Torch Body and Handle)	3.0 oz (84 gm)	3.0 oz (84 gm)	11 oz (312 gm)
<b>Tungsten Size Capacity</b>	.020" - 5/32" (0.5 - 4,0mm)	.020" - 5/32" (0.5 - 4,0mm)	.040" - 3/16" (1,0 - 4,8mm)
<b>Maximum Tungsten Length</b>	7" (178mm)	7" (178mm)	7" (178mm)
<b>Cooling Requirements</b>	1 QT./min (.946 L/min)	1 QT./min (.946 L/min)	1.75 QT./min (1.66 L/min)
<b>Recommended Coolant Pressure</b>	50 psi (345 Kpa)	50 psi (345 Kpa)	50 psi (345 Kpa)

For more information contact your local welding supply distributor.

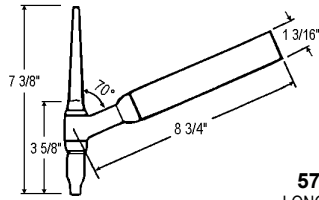


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# SPEEDWAY<sup>®</sup> SERIES

## REPLACEMENT PARTS

## SW-450 450 AMPS • WATER COOLED



57Y02  
LONG BACK  
CAP

57Y04  
SHORT BACK  
CAP

98W18  
O - RING

SW-450  
TORCH  
BODY

H-200SW  
SPEED BUMP  
HANDLE

GAS HOSE - RUBBER  
40V75R 12.5 FT.  
41V30R 25 FT.

WATER HOSE - RUBBER  
40V74R 12.5 FT.  
41V32R 25 FT.

POWER CABLE - RUBBER  
40V64HR 12.5 FT.  
41V29HR 25 FT.

TCL-3-10Z 11 FT.  
TCL-3-22Z 24 FT.  
3" LEATHER CABLE COVER  
WITH ZIPPER CLOSURE

(A)  
COLLET

18NG-GL  
GAS LENS  
GASKET

18NG  
NOZZLE  
GASKET

3578W  
DIN CONNECTOR  
(Water Cooled)  
WeldTec  
(3578W SHOWN)

45V11  
POWER CABLE  
ADAPTER  
(Water Cooled)

(D)  
LARGE DIA.  
GAS LENS  
COLLET BODY

(B)  
COLLET  
BODY

(C)  
GAS LENS  
COLLET BODY

7/8 LH FM

5/8 LH FM

57N76  
CERAMIC  
ADAPTER

(G)  
ALUMINA  
LG. DIA.  
GAS LENS  
NOZZLE

(E)  
ALUMINA  
NOZZLE

(F)  
LONG  
ALUMINA  
NOZZLE  
3"

(H)  
METAL  
NOZZLE

**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"

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### 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	—
HPS*		—	—	—	54N15HPS	54N14HPS	—	—	—
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 (Gray Color).

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

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