

TIGMASTER®

CABLE COVERS

Double stitching of the closure to ensure long life.
Cable covers are fused to resist fraying and ty-straps are provided to secure the cable cover to the torch handle.

The non-conductive zipper/velcro closure allows installation of the cable cover without removing the torch from the welding machine. The non-conductive zipper will not conduct "HF" current and is protected from hot metal contact by the overlap flap construction.

Velcro closure is not affected by burn or melt spots.

Nylon



Nylon Covers - Flexible - Light Weight - Great Value

Part No.	Width x Length Imperial	Width x Length Metric	Seal
PX-3-10	3" x 10'	7.62 cm x 3 m	Zipper
PX-3-10V	3" x 10'	7.62 cm x 3 m	Velcro
PX-3-22	3" x 22'	7.62 cm x 6.7 m	Zipper
PX-3-22V	3" x 22'	7.62 cm x 6.7 m	Velcro
PX-3-48	3" x 48'	7.62 cm x 14.6 m	Zipper
PX-3-48V	3" x 48'	7.62 cm x 14.6 m	Velcro

PX-4-10	4" x 10'	10.16 cm x 3 m	Zipper
PX-4-10V	4" x 10'	10.16 cm x 3 m	Velcro
PX-4-22	4" x 22'	10.16 cm x 6.7 m	Zipper
PX-4-22V	4" x 22'	10.16 cm x 6.7 m	Velcro
PX-4-48	4" x 48'	10.16 cm x 14.6 m	Zipper
PX-4-48V	4" x 48'	10.16 cm x 14.6 m	Velcro

Soft Leather



Premium Soft Leather Covers

Part No.	Width x Length Imperial	Width x Length Metric	Seal
TCL-3-10	3" x 10'	7.62 cm x 3 m	Zipper
TCL-3-22	3" x 22'	7.62 cm x 6.7 m	Zipper

Split Leather



Split Leather Covers - Tough - Durable - Economic

Part No.	Width x Length Imperial	Width x Length Metric	Seal
TM410Z	4" x 10'	10.16 cm x 3 m	Zipper
TM410V	4" x 10'	10.16 cm x 3 m	Velcro
TM422Z	4" x 22'	10.16 cm x 6.7 m	Zipper
TM422V	4" x 22'	10.16 cm x 6.7 m	Velcro
TM832V	8" x 32'	20 cm x 10 m	Velcro *

* For Interconnecting Leads



INDEPENDENT WHOLESALE WELDING SUPPLY

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

GAS LENS COLLET BODIES



- Pull off outer screen doubles the gas lens life.
- No more erratic arc due to clogged screens.
- No more contaminated welds due to poor gas coverage.

No more searching for another gas lens when a mishap occurs contaminating the outer screen of the gas lens. Simply use a sharp tungsten electrode to engage the top screen pull tab and peel off the damaged outer screen exposing a fresh screen allowing you to continue your work.



WELDTEC'S
Patented pull tab outer
screen design doubles the
life of the gas lens

Part No	Description	Torch Series
45V43-2	1/16 (1.6 MM) "2 fer" 1 Gas Lens	9, 9F, 9FV, 9V, 20, 20F, 20H, 20V, SW-320
45V44-2	3/32 (2.4 MM) "2 fer" 1 Gas Lens	
45V45-2	1/8 (3.2 MM) "2 fer" 1 Gas Lens	
45V25-2	1/16 (1.6 MM) "2 fer" 1 Gas Lens	17, 17F, 17FV, 17V, 18, 18V, 26, 26F, 26FV, 26V, SW-418
45V26-2	3/32 (2.4 MM) "2 fer" 1 Gas Lens	
45V27-2	1/8 (3.2 MM) "2 fer" 1 Gas Lens	



CHAMPAGNE NOZZLE II

Super Size Nozzle Champagne Nozzle Kits

It can be used for exotic metals such as titanium, monel, inconel, hastelloy, waspaloy and other high temperature metals. Use it for stainless steels or any other metal requiring a complete protective umbrella for shielding gas for superior weld quality and reduced oxidation and discolouration.

An additional benefit is the ability for greater electrode stick-out for better visibility of the weld puddle.

The Champagne nozzle is made from a high heat resistive non-conductive ceramic and fits standard hand held torch models WT-9, 20, 24, 25, Speedway® SW-320 and machine torch models WT-22, 23. It requires no special parts or conversion kits and mounts directly on the standard gas lens collet body used with these torch models.

The new Screen Pack filter assembly uses a stainless steel electrode guide to centre the electrode, bundle and protect the fine filter screens from overheating providing longer life and ease of replacement.

These champagne nozzles can be ordered for 1/16, 3/32 or 1/8 inch diameter electrodes as individual nozzle assemblies or in convenient kits which includes the champagne nozzle assembly, gas lens collet body, collet and insulating gasket.

*Note: Many titanium welding applications may require additional trailing shield protection.

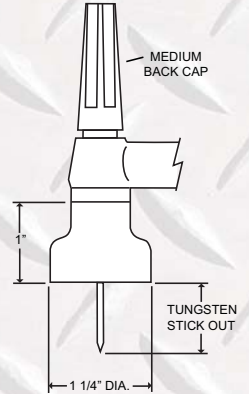


CHAMPAGNE NOZZLE KITS

	TORCH SERIES	DESCRIPTION	PART NO.
 Champagne Nozzle Assembly (Includes Screen Pack)	9, 17, 18, 20, 26, SW320	Nozzle - 1/16 Nozzle - 3/32 Nozzle - 1/8	53N6CN2-16 53N6CN2-32 53N6CN2-18
 Champagne Nozzle Assembly (Includes Screen Pack) Insulating Gasket High Strength Copper Collet Gas Lens Collet Body	20, 22, 23, 25 SW-320	Nozzle Kit - 1/16 Nozzle Kit - 3/32 Nozzle Kit - 1/8	53CNK2-16 53CNK2-32 53CNK2-18
 Champagne Nozzle Assembly (Includes Screen Pack) Insulating Gasket High Strength Copper Collet Stubby Gas Lens Collet Body	17, 18, 26	Nozzle Kit- 1/16 Nozzle Kit- 3/32 Nozzle Kit- 1/8	53CNK3-16 53CNK3-32 53CNK3-18

CHAMPAGNE NOZZLE II

Super Size Nozzle
Champagne Nozzle Kits



REPLACEMENT PARTS

TORCH SERIES		DESCRIPTION	SIZE	PART NO.
9, 17, 18, 20, 26, SW320		Champagne Nozzle	1/16 3/32 1/8	53N6CN2-16 53N6CNK2-32 53N6CNK2-18
		Screen Pack	1/16 3/32 1/8	53N6SP-16 53N6SP-32 53N6SP-18
20, 22, 23, 25 SW-320		Gas Lens	1/16 3/32 1/8	45V43 45V44 45V45
		Collets	1/16 3/32 1/8	13N22 13N23 13N24
		Insulating Gasket		598882
17, 18, 26		Stubby Gas Lens	1/16 3/32 1/8	17GL16 17GL332 17GL18
		Stubby Collet	1/16 3/32 1/8	10N23S 10N24S 10N25S
		Insulating Gasket		10NQC 10NQG-CK (For CK Models)

MEGAFLO™ Tig Torch Glass Nozzle



30 cfm Gas Flow
(14.15 lpm)

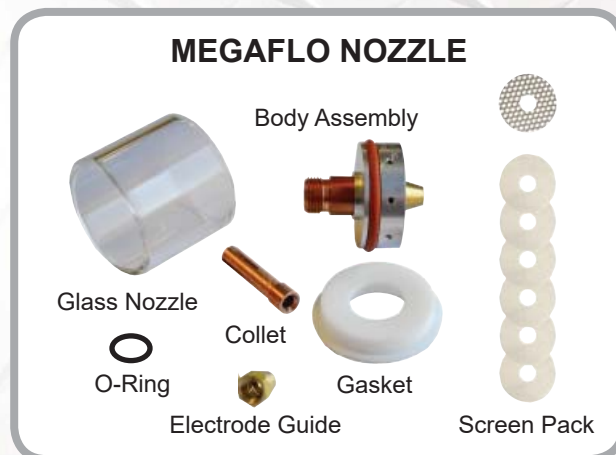
- Better weld visibility
- Maximum weld zone gas protection
- Replaceable screens and electrode guides



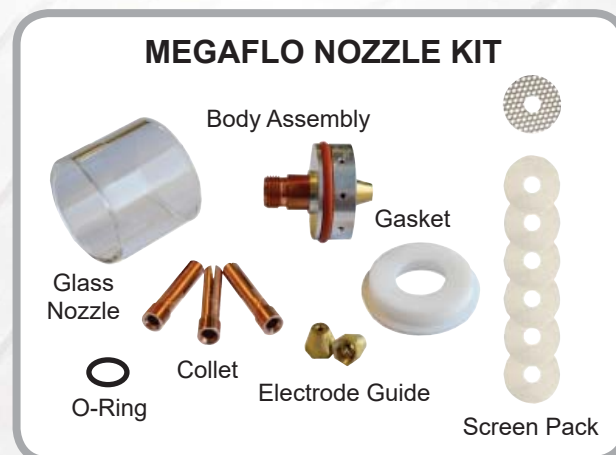
The MegaFlo nozzle provides complete weld zone protection for critical welding for reactive metals such as titanium, molybdenum, nickel alloys, stainless alloys and others.
Usable on most hand held and machine TIG torches.

MEGAFLO NOZZLE & KITS

PART NO.	SIZE	TORCH SERIES	DESCRIPTION
MF10-16	1/16 (1, 6)	WT-17 WT-18 WT-26	MegaFlo Nozzle Includes: glass nozzle, teflon, gasket, collet, megaflo body assembly with screen pack, o-ring, electrode guide
MF10-32	3/32 (2, 4)		
MF10-18	1/8 (3, 2)		
MF10NK	All 3 Sizes 1/16, 3/32, 1/8	WT-28 WT-29 i-Heads	MegaFlo Nozzle Kit Includes: glass nozzle, teflon gasket, megaflo body assembly with screen pack, o-ring, all 3 electrode guides and collets 1/16, 3/32, 1/8



PART NO.	SIZE	TORCH SERIES	DESCRIPTION
MF13-16	1/16 (1, 6)	WT-9 WT-20 WT-25	MegaFlo Nozzle Includes: glass nozzle, teflon, gasket, collet, megaflo body assembly with screen pack, o-ring, electrode guide
MF13-32	3/32 (2, 4)		
MF13-18	1/8 (3, 2)		
MF13NK	All 3 Sizes 1/16, 3/32, 1/8	WT-22 WT-23 SW-320 i-Heads	MegaFlo Nozzle Kit Includes: glass nozzle, teflon gasket, mega-flo body assembly with screen pack, o-ring, all 3 electrode guides and collets 1/16, 3/32, 1/8

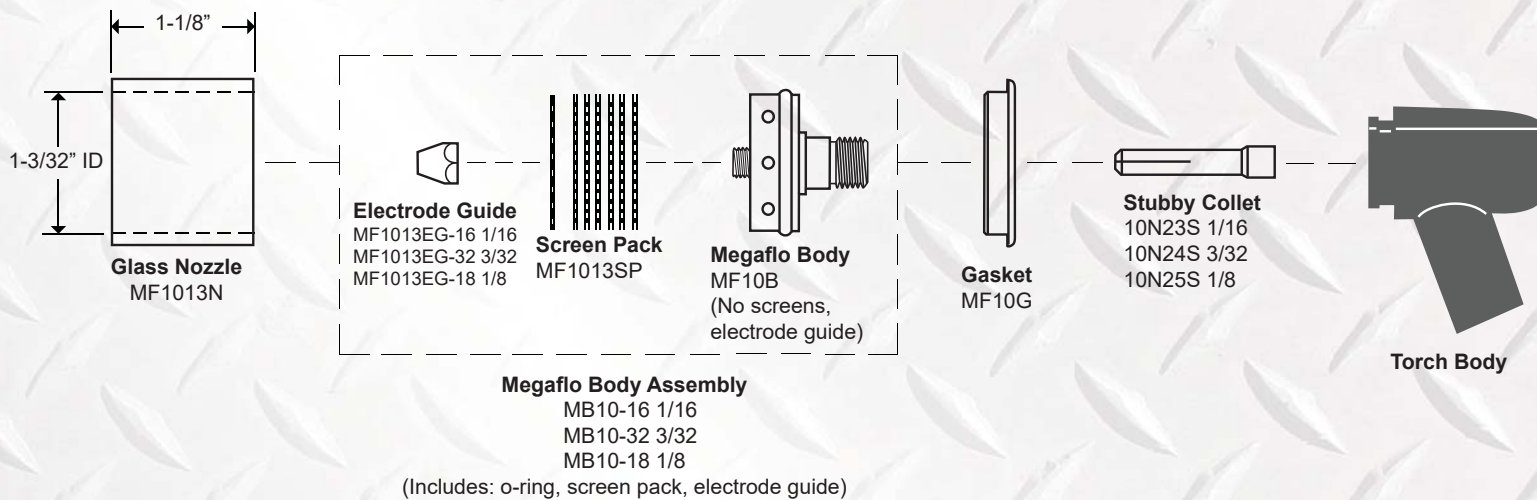


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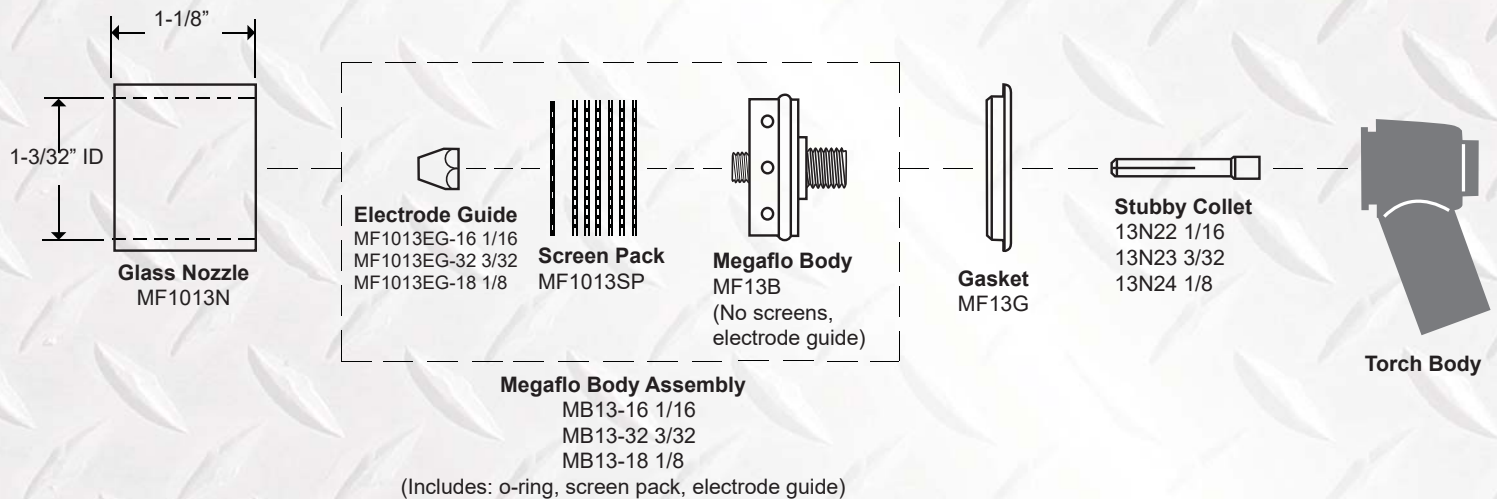
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MEGAFLO Tig Torch Glass Nozzle

Suits WT-17, 18, 26, 28, 29 i-Heads Torch Series



Suits WT-9, 20, 25, 22, 23, SW-320 i-Heads Torch Series



Replacement Screen Pack MF1013SP



1 x Baffle



6 x Screens

TIGMASTER®



QUARTZ TIG NOZZLES



WT-9, 20 with gas lens.



WT-24 with gas lens.

- Better weld puddle visibility.
- Higher heat resistance.
- No thermal shock breakage.
- Better laminar gas coverage.

These modern fused quartz nozzles offer superior temperature and thermal shock resistance, surpassing Pyrex, lava and the pink ceramic nozzle for performance.



Part No	Description	Torch Series
10NQA	Adaptor Ring	WT-17, 18, 26
10NQG	Nozzle Gasket	
17GL116	1/16 (1.6 mm) Small Stubby Gas Lens	WT-17, 18, 26
17GL332	3/32 (2.4 mm) Small Stubby Gas Lens	
17GL18	1/8 (3.2 mm) Small Stubby Gas Lens	
10NQ-7L	7/16 (11 mm) Quartz Nozzle	WT-17, 18, 26
10NQ-9L	9/16 (14 mm) Quartz Nozzle	
13NQA	Adaptor Ring	WT-9, 20, 24, 25, SW-320
45V43NQ	1/16 (1.6 mm) Gas Lens	
45V44NQ	3/32 (2.4 mm) Gas Lens	
45V45NQ	1/8 (3.2 mm) Gas Lens	
53N66	Nozzle Gasket for TM24 only	WT-9, 17, 18, 20, 24, 25, 26, SW-320
13NQ-5	5/16 (8 mm) Standard Quartz Nozzle	
13NQ-7	7/16 (11 mm) Standard Quartz Nozzle	
13NQ-9	9/16 (14 mm) Standard Quartz Nozzle	
13NQ-5L	5/16 (8 mm) Long Quartz Nozzle	WT-9, 20, 24, 25, SW-320
10NQ-7L	7/16 (11 mm) Long Quartz Nozzle	
10NQ-9L	9/16 (14 mm) Long Quartz Nozzle	
10NQ-K	Quartz Nozzle Kit Includes: 2 x 98W18, 1 x 10NQA, 1 x 10NQG, 1 x 10NQ-7L, 1 x 10NQ-9L	WT-17, 18, 26
13NQ-K	Quartz Nozzle Kit Includes: 2 x 98W18, 1 x 13NQA, 1 x 13NQ-5, 1 x 13NQ-7, 1 x 13NQ-9	WT-9, 20



Adaptor Ring (Gold Colour)



Nozzle Gasket



Stubby Gas Lens



Quartz Nozzle 7L



Quartz Nozzle 9L



Adaptor Ring (Silver Colour)



Gas Lens



Nozzle Gasket



Quartz Nozzle 5



Quartz Nozzle 7



Quartz Nozzle 9



Quartz Nozzle 5L



Quartz Nozzle 7L



Quartz Nozzle 9L

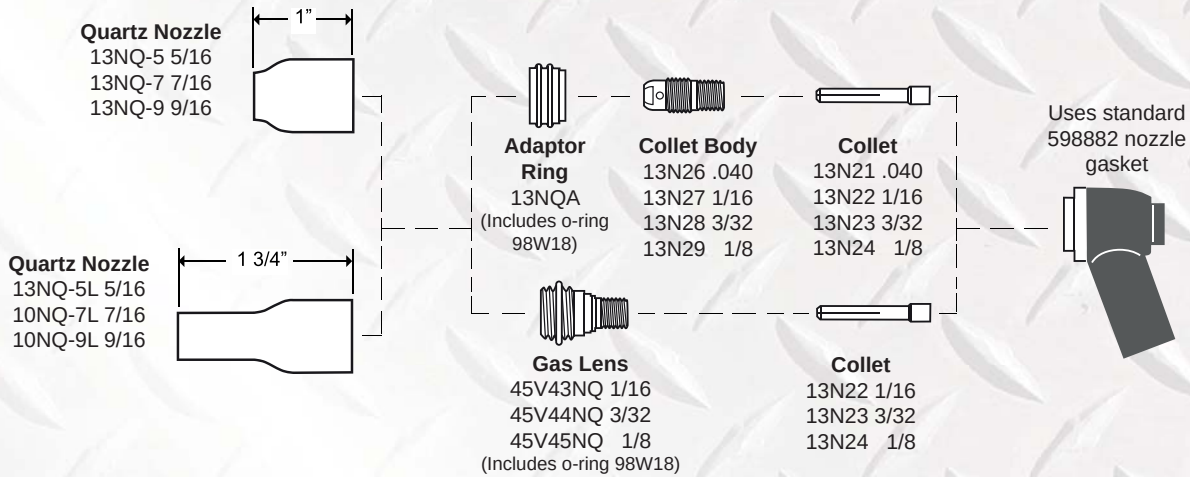


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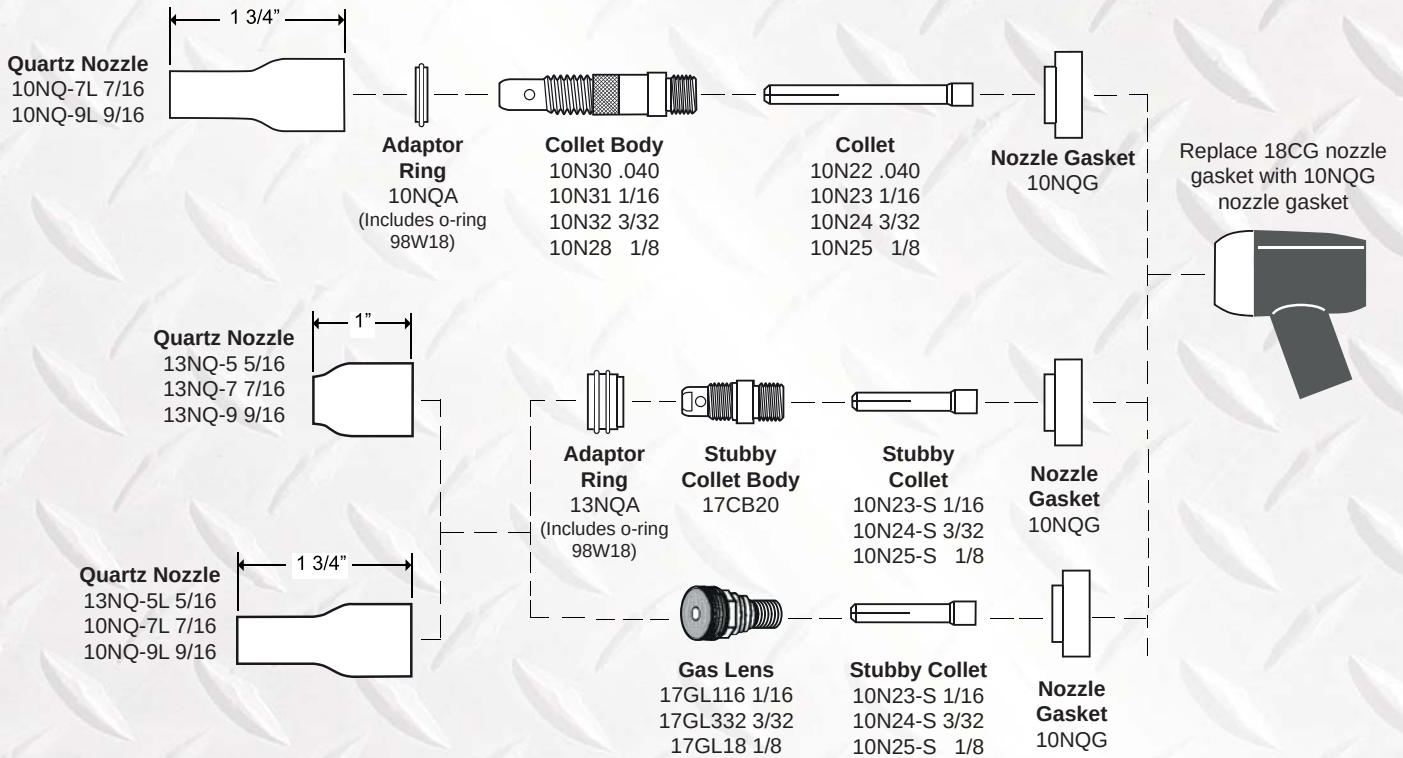
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TIGMASTER®

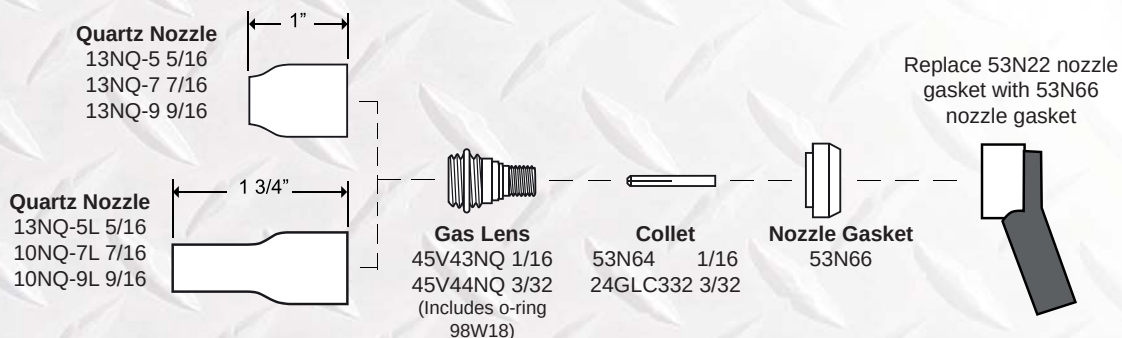
Suits WT-9, 20, 25 Torch Series



Suits WT-17, 18, 26 Torch Series



Suits WT-24 Torch Series



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TIGMASTER®

STUBBY TIG TORCH

Ten interchangeable heads that be changed in seconds allowing access to the most difficult weld locations

- Interchangeable heads.
- Light weight and compact.
- Better weld puddle control.
- Less hand and wrist fatigue.

Easy to hold without strain or tension to the hand.
The most flexible rubber power cable in the industry.
Ideal for tube fabrication.



920-50
50° Head



920-70
70° Head



1718-50
50° Head



1718-70
70° Head



24-70
70° Head



24-90
90° Head



920-90
90° Head



920P
180° Head



1718-90
90° Head



1718P
180° Head

Part No	Description	Torch Series
WTS-9-12SF	12 ½ ft (3.8 m) 125 amp	9
WTS-9-25SF	25 ft (7.6 m) 125 amp	
WTS-17-12SF	12 ½ ft (3.8 m) 150 amp	17
WTS-17-25SF	25 ft (7.6 m) 150 amp	
WTS-24-12SF	12 ½ ft (3.8 m) 80 amp	24
WTS-24-25SF	25 ft (7.6 m) 80 amp	



MADE IN USA



INDEPENDENT WHOLESALE WELDING SUPPLY

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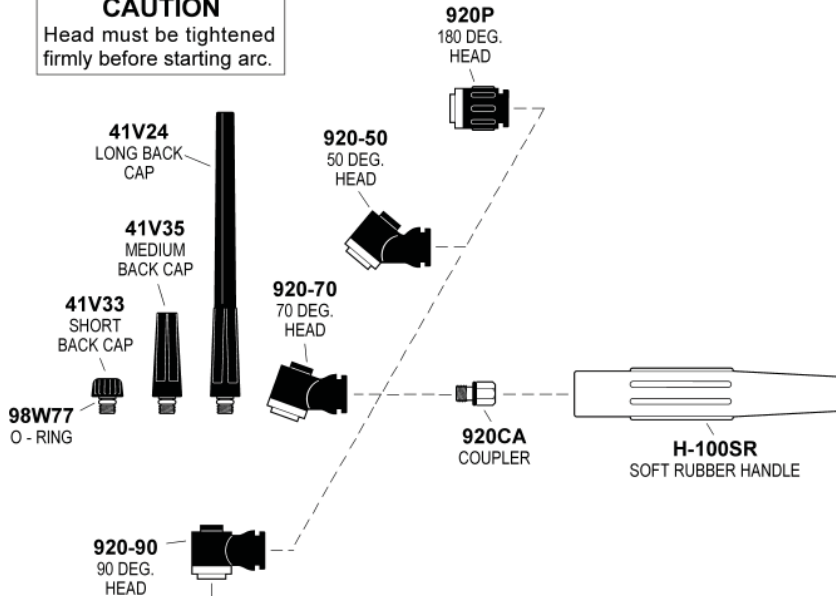
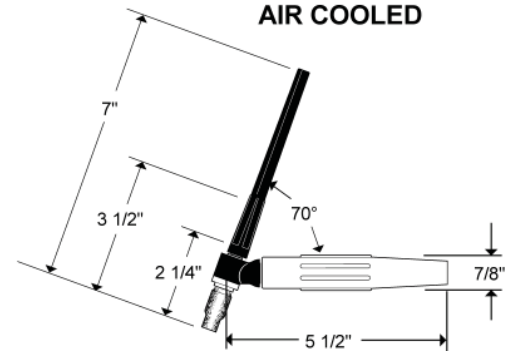
TIGMASTER®

STUBBY™
... by WeldTec®

REPLACEMENT PARTS

WTS-9
125 AMPS
AIR COOLED

CAUTION
Head must be tightened firmly before starting arc.

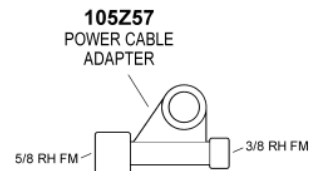
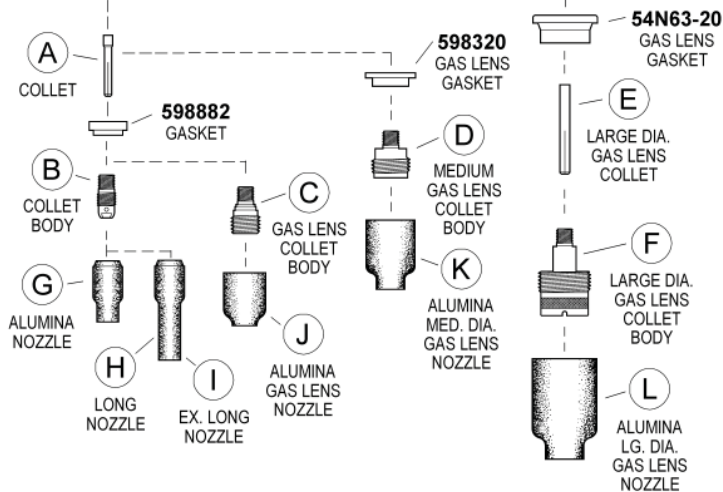


STANDARD POWER CABLE

57Y01SF 12.5 FT.
57Y03SF 25 FT.
"SF" POWER CABLE - SUPER FLEX

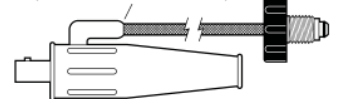
OPTIONAL POWER CABLE

57Y01R 12.5 FT.
57Y03R 25 FT.
"R" POWER CABLE - RUBBER



QUICK CONNECTOR

(See Quick Connector Guide)



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
A	COLLET	13N20	13N21	13N22	13N23	13N24
B	COLLET BODY	13N25	13N26	13N27	13N28	13N29
C	GAS LENS	45V41	45V42	45V43	45V44	45V45
D	MED. DIA. GAS LENS	—	—	45V35SW	45V36SW	45V37SW
E	LG. DIA. GAS LENS COLLET	13N20L	13N21L	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 2 1/2"	796F74	796F75	796F76	796F77	—	—	—	—	—
J	ALUMINA GAS LENS	—	53N58	53N59	53N60	53N61	53N61S	—	—	—
K	ALUMINA MED. DIA. GAS LENS	—	—	—	—	54N15SW	54N14SW	54N12SW	54N19	—
L	ALUMINA LG. DIA. GAS LENS	—	—	—	57N75	—	57N74	53N88	—	53N87*

Specifications and descriptions subject to change without notice.

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



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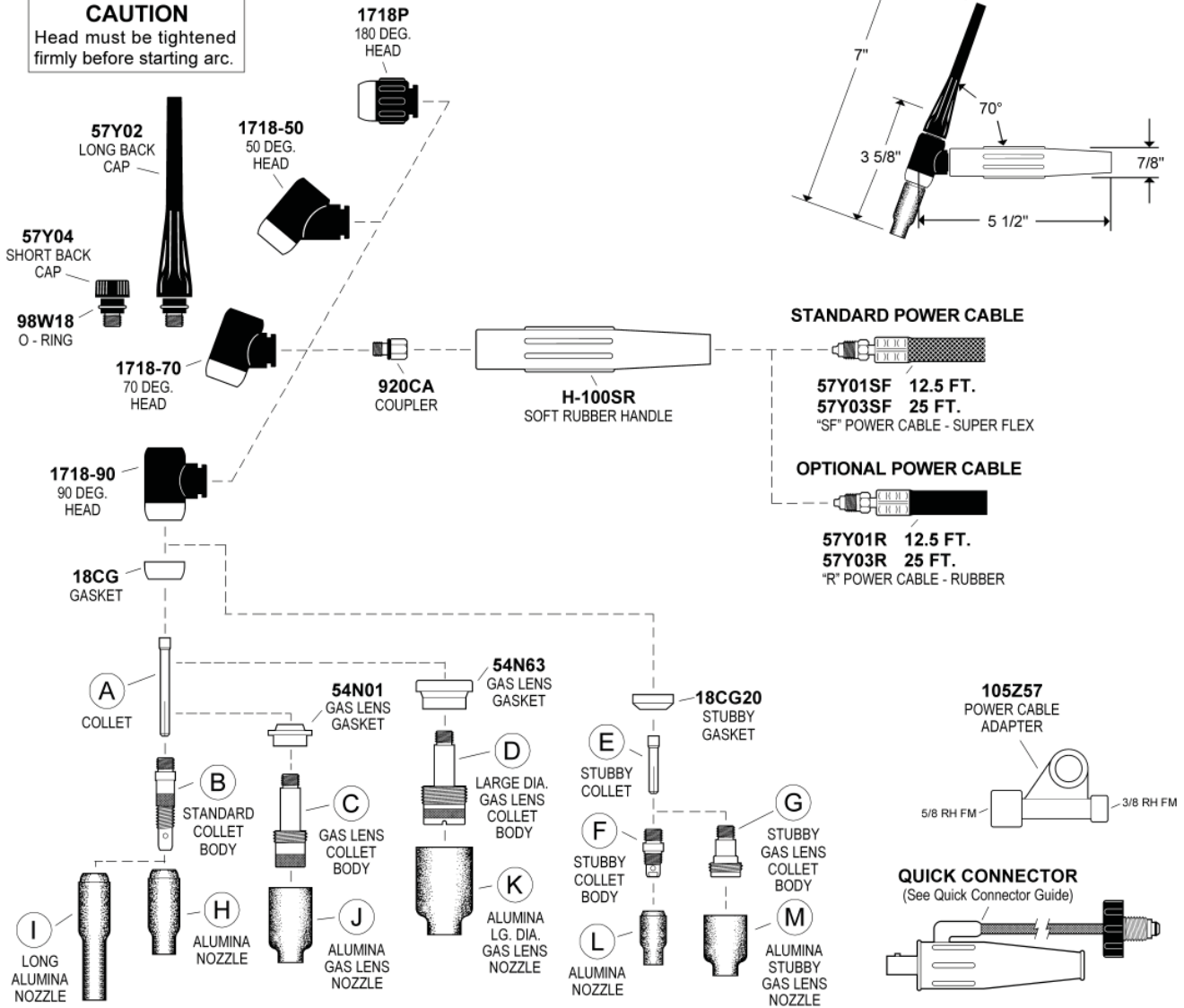
TIGMASTER®

STUBBY™
... by WeldTec®

REPLACEMENT PARTS

WTS-17
150 AMPS
AIR COOLED

CAUTION
Head must be tightened firmly before starting arc.



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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
A	COLLET	10N21	10N22	10N23	10N24	10N25
B	STANDARD COLLET BODY	10N29	10N30	10N31	10N32	10N28
C	GAS LENS	45V29	45V24	45V25	45V26	45V27
D	LG. DIA. GAS LENS	—	—	45V116	45V64	995795
E	STUBBY COLLET	—	—	10N23S	10N24S	10N25S
F	STUBBY COLLET BODY	17CB20				
G	STUBBY GAS LENS	—	—	45V25S	45V26S	45V27S

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"
H	ALUMINA	10N50	10N49	10N48	10N47	10N46	10N45	—	10N44
I	ALUMINA 3" LONG	—	10N49L	10N48L	10N47L	—	—	—	—
J	ALUMINA GAS LENS	54N18	54N17	54N16	54N15	54N14	—	54N19	—
K	ALUMINA LG. DIA. GAS LENS	—	—	57N75	—	57N74	53N88	—	53N87*
L	ALUMINA	13N08	13N09	13N10	13N11	13N12	13N13	—	—
M	ALUMINA STUBBY GAS LENS	—	—	—	54N15SW	54N14SW	54N12SW	54N19	—

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

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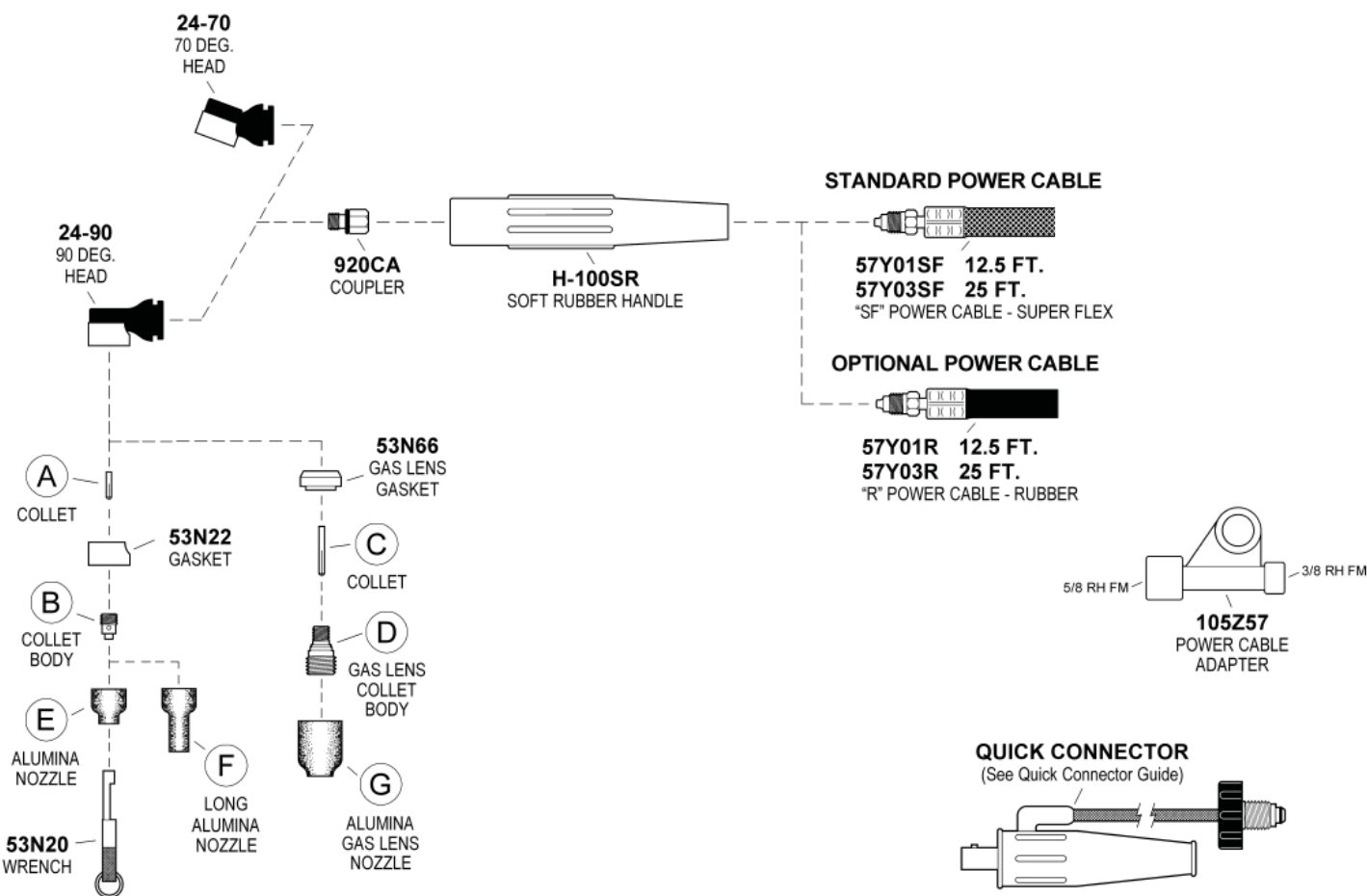
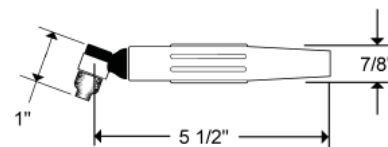
STUBBY™
... by WeldTec®

REPLACEMENT PARTS

WTS-24
80 AMPS
AIR COOLED

CAUTION

Head must be tightened
firmly before starting arc.



COLLETS • COLLET BODIES • GAS LENS

ITEM	ELECTRODE DIAMETER	.020 0,5	.040 1,0	1/16 1,6	3/32 2,4
A	COLLET	53N15	53N16	53N14	24C332
B	COLLET BODY	53N17	53N18	53N19	24CB332
C	GAS LENS COLLET	53N62	53N63	53N64	24GLC332
D	GAS LENS	45V41	45V42	45V43	45V44

GAS NOZZLES

ITEM	NO. SIZE	4 1/4"	5 5/16"	6 3/8"	7 7/16"	8 1/2"
E	ALUMINA	53N24A	53N25A	53N27A	—	—
F	LONG 17/8"	53N28A	—	53N26A	—	—
G	ALUMINA GAS LENS	53N58	53N59	53N60	53N61	53N61S

Specifications and descriptions subject to change without notice.



INDEPENDENT WHOLESALE WELDING SUPPLY

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STUBBY GAS LENS COLLET BODIES



**Medium
Stubby Gas Lens**



**Small
Stubby Gas Lens**



**Small
Stubby Gas Lens
with Quartz Nozzle**

Stubby Collet Bodies reduce the overall torch head length
allowing access to confined areas.

They provide better torch head balance when using the short back cap and many
times can eliminate the cost and time of changing to a smaller torch.

Small Stubby Gas Lens

Part No	Description
10NQG	Small stubby nozzle gasket
10N23S	1.6 mm Stubby collet
10N24S	2.4 mm Stubby collet
10N25S	3.2 mm Stubby collet
17GL116	1.6 mm Small stubby gas lens
17GL332	2.4 mm Small stubby gas lens
17GL18	3.2 mm Small stubby gas lens
13NQ-5	#5 8.0 mm Quartz glass nozzle
13NQ-7	#7 11 mm Quartz glass nozzle
13NQ-9	#8 14 mm Quartz glass nozzle
53N58	6.5 mm Small stubby gas lens nozzle
53N59	8.0 mm Small stubby gas lens nozzle
53N60	9.5 mm Small stubby gas lens nozzle
53N61	11 mm Small stubby gas lens nozzle
53N61S	12.5 mm Small stubby gas lens nozzle

Medium Stubby Gas Lens

Part No	Description
18-17MGLG	Medium stubby nozzle gasket
10N23S	1.6 mm Stubby collet
10N24S	2.4 mm Stubby collet
10N25S	3.2 mm Stubby collet
45V25S	1.6 mm Medium stubby gas lens
45V26S	2.4 mm Medium stubby gas lens
45V27S	3.2 mm Medium stubby gas lens
54N12SW	16 mm Medium stubby gas lens nozzle
54N14SW	12.5 mm Medium stubby gas lens nozzle
54N15SW	11 mm Medium stubby gas lens nozzle
54N16SW	9.5 mm Medium stubby gas lens nozzle

TIG FINGER



The Tig Finger is great for:

- Tig welding aluminium castings that get really hot
- Pipe welding with tig especially small bore stainless steel pipe
- The Tig Finger heatshield is even good for propping against the metal when you use a cutting torch.

Part Number	Description
TF	Tig Finger

**The Tig Finger Heat Shield lets you prop right next to your weld as it slides along smoothly.
With a Tig Finger, you wont have to sacrifice burned fingers.
It is made from a really smooth heat resistant material.**





TIG FINGER

**Welder can slide easily during welding
on the material without burning.
Made of heat resistant material.**

4000A

Tigmaster Glove
P2104



- Outside: Woven fibreglass cloth coated with aluminized mylar.
- Can be worn over 1 or 2 fingers.
- Continuous protection from heat up to 1200°.
- Incombustible, asbestos-free, containing no resinous or inorganic binders.
- Elastic strap to hold securely in place.
- Lightweight and pliable, providing maximum comfort and flexibility.
- Sewn with K90 Kevlar thread-will not burn.

SUPER ARM COOLER



**Arm cooler protects from welding
spatter and radiant heat.**



- Double sided/reversible back hand pad.
- Outside: Woven fibreglass cloth coated with aluminized mylar.
- Inside: 1/2" (12.5 mm) thick glass mat insulation, 100% select grade.
- Continuous protection from heat up to 1200°.
- Incombustible, asbestos-free, containing no resinous or inorganic binders.
- Leather tabs attached to prevent burning of elastic.
- Sewn with K90 Kevlar thread - will not burn, double stitching on all seams.



2000A



INDEPENDENT WHOLESALE WELDING SUPPLY

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

TIG PEN



- A manual welding wire feeder
- Wire supply controlled by small feed through wheel
- For wire 1 mm to 3.2 mm
- Comfortable, lightweight and compact
- Creates better quality welds
- Improves working ergonomics

Part No	Description
TP	Tig pen

STAINLESS STEEL TIG ROD

5 kg standard pack
1 kg hangable display pack



DESCRIPTION	PART NUMBER	PACKAGE
ARCFORCE 316L	316L16	1.6 mm x 5 kgs
	316L16-1K	1.6 mm x 1 kg
AWS:A5.9 ER316L	316L24	2.4 mm x 5 kgs
	316L24 - 1K	2.4 mm x 1 kg
	316L32	3.2 mm X 5 kgs
	316L32-1K	3.2 mm x 1 kg
ARCFORCE 308L	308L16	1.6 mm x 5 kgs
	308L16 - 1K	1.6 mm x 1 kg
AWS:A5.9 ER308L	308L24	2.4 mm x 5 kgs
	308L24 - 1K	2.4 mm x 1 kg
	308L32	3.2 mm x 5 kgs
	308L32 - 1K	3.2 mm x 1 kg
ARCFORCE 309L	309L16	1.6 mm x 5 kgs
	309L16 - 1K	1.6 mm x 1 kg
AWS:A5.9 ER309L	309L24	2.4 mm x 5 kgs
	309L24 - 1K	2.4 mm x 1kg
	309L32	3.2 mm x 5 kgs
	309L32 - 1K	3.2 mm x 1 kg

TUNGSTENS

WZ TUNGSTEN ZIRCONIUM

Applications: TIG welding (welding of Al and Mg alloys)

- Arc welding
- Very stable arc



Part No	Description
10WZ8	Size 1.0 mm Zirconiated Tungsten
16WZ8	Size 1.6 mm Zirconiated Tungsten
24WZ8	Size 2.4 mm Zirconiated Tungsten
32WZ8	Size 3.2 mm Zirconiated Tungsten
40WZ8	Size 4.0 mm Zirconiated Tungsten
64WZ8	Size 6.4 mm Zirconiated Tungsten

WL TUNGSTEN LANTHANUM

Applications: TIG welding, plasma, resistance welding

- Suitable for AC welding of aluminium and magnesium
- All materials



Part No	Description
10WL20	Size 1.0 mm Lanthanated Tungsten
16WL20	Size 1.6 mm Lanthanated Tungsten
24WL20	Size 2.4 mm Lanthanated Tungsten
32WL20	Size 3.2 mm Lanthanated Tungsten
40WL20	Size 4.0 mm Lanthanated Tungsten
48WL20	Size 4.8 mm Lanthanated Tungsten
64WL20	Size 6.4 mm Lanthanated Tungsten

WT TUNGSTEN THORIUM

Applications: TIG welding, plasma

- Good general DC arc
- High current strengths
- Ease of striking



Part No	Description
W05WT20	Size 0.5 mm Thoriated Tungsten
10WT20	Size 1.0 mm Thoriated Tungsten
16WT20	Size 1.6 mm Thoriated Tungsten
24WT20	Size 2.4 mm Thoriated Tungsten
32WT20	Size 3.2 mm Thoriated Tungsten
40WT20	Size 4.0 mm Thoriated Tungsten
48WT20	Size 4.8 mm Thoriated Tungsten
64WT20	Size 6.4 mm Thoriated Tungsten

INOSTAR

Applications: TIG welding, plasma

- Mainly used for high-purity/ sensitive metals
- New rare earth mix



Part No	Description
16WI100	Size 1.6 mm Inostar Tungsten
24WI100	Size 2.4 mm Inostar Tungsten
32WI100	Size 3.2 mm Inostar Tungsten
40WI100	Size 4.0 mm Inostar Tungsten

WC TUNGSTEN CERIUM

Applications: TIG welding, resistance welding

- Universally applicable/ all materials
- Provides better ignition performance than thoriated electrodes



Part No	Description
10WC20	Size 1.0 mm Ceriated Tungsten
16WC20	Size 1.6 mm Ceriated Tungsten
24WC20	Size 2.4 mm Ceriated Tungsten
32WC20	Size 3.2 mm Ceriated Tungsten
40WC20	Size 4.0 mm Ceriated Tungsten

WS2 WITSTAR

Applications: TIG welding, plasma

- High arc stability
- Can be used for all materials
- Ideal for manual and automatic welding



Part No	Description
W05WS2	Size 0.5 mm Witstar Tungsten
10WS2	Size 1.0 mm Witstar Tungsten
16WS2	Size 1.6 mm Witstar Tungsten
24WS2	Size 2.4 mm Witstar Tungsten
32WS2	Size 3.2 mm Witstar Tungsten
40WS2	Size 4.0 mm Witstar Tungsten
48WS2	Size 4.8 mm Witstar Tungsten
64WS2	Size 6.4 mm Witstar Tungsten

ALUSTAR

Applications: TIG welding of aluminium alloys

- Specially designed for welding aluminium
- Better focus on the arc
- Perfect calotte formation



Part No	Description
16ALUSTAR	Size 1.6 mm Alustar Tungsten
24ALUSTAR	Size 2.4 mm Alustar Tungsten
32ALUSTAR	Size 3.2 mm Alustar Tungsten
40ALUSTAR	Size 4.0 mm Alustar Tungsten



WOLFRAM INDUSTRIE
TUNGSTEN TECHNOLOGY GROUP



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TUNGSTENS

Suggested electrode type depending on the workpiece

	WP	WS2	Inostar	WLa 10	WLa 15	WLa 20	WCe 20	Alustar	WZr8	WTh 10	WTh 20	WTh 30	WTh 40
Non - alloyed steel	-	++	+	++	++	+	+	O	O	+	+	+	+
Alloyed steel	-	++	++	O	+	++	++	O	O	O	+	++	++
Copper, alloys	-	++	+	O	+	+	+	O	O	-	+	-	-
Nickel, alloys	-	++	++	O	+	++	++	O	O	+	+	++	++
Aluminium, alloys	++	++	+	+	O	O	O	++	++	+	-	-	-
Magnesium, alloys	++	++	+	+	O	O	O	++	++	-	-	-	-
Titanium, alloys	-	++	+	-	+	+	+	-	-	-	+	++	++
Zirconium	-	++	+	O	+	+	+	-	-	-	+	++	++
Tantalum	-	+	+	O	O	++	+	-	-	-	O	++	++
Tungsten	-	+	+	O	O	++	+	-	-	-	O	++	++

Suitability: ++ very good, + good, O limited, - poor

Applications for electrode materials

	WP	WS2	Inostar	WLa10 WLa15 WLa20	WCe 20	Alustar	WZr8	WTh10 WTh20 WTh30 WTh40
Tig welding	+	++	++	++	++	++	++	++
Plasma welding	O	++	+	+	+	O	O	++
Resistance welding	++	+	+	++	++	O	O	O

Suitability: ++ very good, + good, O limited

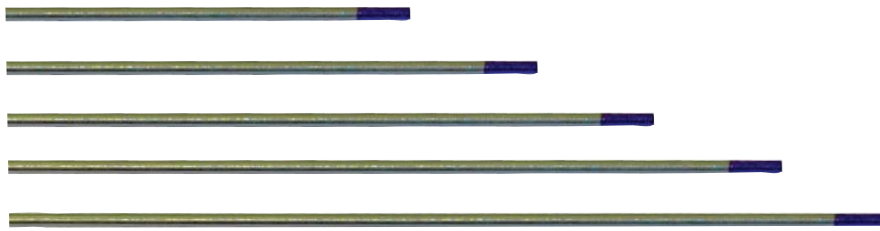
Information and charts supplied by Wolfram



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EWG TUNGSTEN ELECTRODES



- Longer life
- Non-radioactive additives
- Stable tip and arc geometry
- Proven to outperform other electrodes
- Can be used in both DC & AC processes
- Best choice to replace thoriated electrodes

Specifications:

- AWS Class: EWG
- AWS Spec: A5.12M/A5.12:2009
- 150 mm lengths in three industry-standard diameters: 1.6 mm, 2.4 mm, 3.2 mm
- Colour code: Purple

Part Number	Description
16E3	EWG Tungsten 1.6 mm
24E3	EWG Tungsten 2.4 mm
32E3	EWG Tungsten 3.2 mm

THORIATED TUNGSTEN

- 2% Thoriated red tungstens
- Pack of 10



Part No	Description
10T	Size 1.0 mm Thoriated Tungsten
16T	Size 1.6 mm Thoriated Tungsten
24T	Size 2.4 mm Thoriated Tungsten
32T	Size 3.2 mm Thoriated Tungsten
40T	Size 4.0 mm Thoriated Tungsten
48T	Size 4.8 mm Thoriated Tungsten
64T	Size 6.4 mm Thoriated Tungsten

ZIRCONIATED TUNGSTEN

- Zirconiated white tungstens
- Pack of 10



Part No	Description
10Z	Size 1.0 mm Zirconiated Tungsten
16Z	Size 1.6 mm Zirconiated Tungsten
24Z	Size 2.4 mm Zirconiated Tungsten
32Z	Size 3.2 mm Zirconiated Tungsten
40Z	Size 4.0 mm Zirconiated Tungsten
64Z	Size 6.4 mm Zirconiated Tungsten

CERIATED TUNGSTEN

- Ceriated grey tungstens
- Pack of 10



Part No	Description
10C	Size 1.0 mm Ceriated Tungsten
16C	Size 1.6 mm Ceriated Tungsten
24C	Size 2.4 mm Ceriated Tungsten
32C	Size 3.2 mm Ceriated Tungsten
40C	Size 4.0 mm Ceriated Tungsten

LANTHIATED TUNGSTEN

- Lanthiated gold tungstens
- Pack of 10



Part No	Description
10L	Size 1.0 mm Lanthiated Tungsten
16L	Size 1.6 mm Lanthiated Tungsten
24L	Size 2.4 mm Lanthiated Tungsten
32L	Size 3.2 mm Lanthiated Tungsten
40L	Size 4.0 mm Lanthiated Tungsten
48L	Size 4.8 mm Lanthiated Tungsten



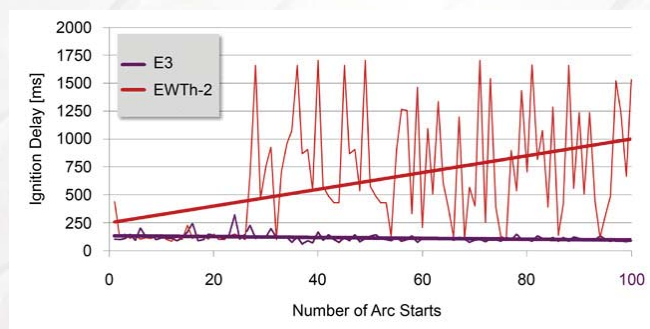
E3 TUNGSTEN

Premium tungsten delivering results for serious TIG applications

- Longer life
- Non-radioactive additives
- Stable tip and arc geometry
- Can be used in both DC & AC processes



Part No	Description
16E3	Size 1.6 mm E3 Tungsten
24E3	Size 2.4 mm E3 Tungsten
32E3	Size 3.2 mm E3 Tungsten



PIRANHA 2 TUNGSTEN GRINDER

- Ideal for general shop use.
- Easy set up, optimal consistency and near perfect repeatability.
- Compact, durable and solid design with no vibration.
- Universal collet arm for 3 electrode sizes - with no equipment changes.
- Containment baffle to keep dust in.
- Electrode notching station for simple cut-off.
- Double sided grinding wheel.
- Angle Range: 10° - 60°
- Electrode Diameters: 1.0 MM, 1.6 MM, 2.4 MM
- Minimum Electrode Length: 19.05 MM
- Voltage: 100/120 vac, 50/60HZ, 220v
- Power Consumption: 70 WATTS
- Motor: 1/10 HP, 8000 RPM, 1.5 AMPS
- Dimensions: 304.8 MM x 203.2 MM x 203.2 MM (LxWxH)
- Weight: 6.35 KGS



Part No	Description
PG2	Piranha 2 Tungsten Grinder

PIRANHA 3 TUNGSTEN GRINDER



Part No	Description
PG3	Piranha 3 Tungsten Grinder

- Designed for commercial use.
- Continuous grinding of 1.0 MM - 4.8 MM tungsten.
- Solid steel construction with no vibration.
- Longitudinal grinding for maximum arc stability.
- Electrode guide accommodates 6 electrode sizes.
- Electrode notching station for simple cut off.
- Electrode guide has square end grind position.
- 15.24 cm diamond wheel improves surface finish.
- Vacuum port ready.
- Angle Range: 10° - 60°
- Electrode Diameters: 1.0 MM, 1.6 MM, 2.4 MM
3.2 MM, 4.0 MM, 4.8 MM
- Minimum Electrode Length: 19.05 MM
- Voltage: 100/120 vac, 50/60HZ, 220v
- Power Consumption: 500 WATTS
- Motor: 1/3 HP, 1680 RPM, 5 AMPS
- Dimensions: 508 MM x 304.8 MM x 304.8 MM (LxWxH)
- Weight: 23.13 KGS

PORTABLE TUNGSTEN GRINDER KIT



- Light-weight, easy to use and portable.
- Integrated exhaust with replaceable dust filter.
- Grinds quality points on tungsten electrodes.
- Able to grind electrodes as short as 8 – 15 mm.
- See-through cover allows inspection of grinding operation.
- Adjustment of grinding position on wheel triples diamond wheel life expectancy.
- Manufactured to meet all EU directives.
- Power supply: 110/230 V
- Motor: 850 W; Rpm: 2800
- 1 year warranty.

Kit Contains:

- Grinder with Dust Filter Cassette
- Grinding wand
- 1.6 mm, 2.4 mm and 3.2 mm Collets
- High quality foam padded storage case

Part Number	Description
TMPTG01	Portable Tungsten Grinder

