



WP 17, 18, 26 TIG TORCH CONSUMABLES


TYPE 1

CUP	COLLET BODY	COLLET	HEATSHIELD	TORCH	BACKCAP
ALUMINA 10N50 10N47 10N44 10N49 10N46 10N45 10N48 10N45	STANDARD 10N29 10N32 10N30 10N28 406488 10N31	STANDARD 10N21 10N24 10N22 10N25 10N23 54N20	STANDARD		LONG 57Y02
ALUMINA-LONG 10N49L 10N48L 10N47L		WEDGE REVERSE			MEDIUM 34015
CERAMIC 105Z43 105Z45 08N80 105Z42 08N78 105Z44 08N79					SHORT 57Y04
CERAMIC-LONG 12N03 12N02 105Z60 105Z61					
STANDARD 10N50SC 10N47SC 10N49SC 10N46SC 10N48SC 10N45SC					
ALUMINA-GAS LENS 54N18 54N16 54N14 54N17 54N15 54N19	GAS LENS 45V29 45V26 45V24 45V27 45V25 45V28	STANDARD SEE ABOVE	GAS LENS		
ALUMINA LONG-GAS LENS 3" 54N17L 54N15L 54N16L 54N14L		WEDGE REVERSE			
CERAMIC - GAS LENS 54N35 54N33 54N31 54N34 54N32 54N36					
GAS LENS 54N18SC 54N15SC 54N17SC 54N14SC 54N16SC					
ALUMINA-LARGE DIAMETER 57N75 53N88 53N87 57N74 53N89	LARGE DIAMETER 45V116 995795 45V64 45V63	STANDARD SEE ABOVE	LARGE DIAMETER		
ALUMINA LONG - LARGE DIAMETER 2.75" 57N75L 53N88L 57N74L 53N87L		WEDGE REVERSE			
ALUMINA EXTRA LONG - LARGE DIAMETER 3.25" 57N75XL 53N88XL 57N74XL 53N87XL					
LARGE DIAMETER 57N75SC 53N88SC 57N74SC 53N87SC					

TYPE 2

CUP	ADAPTER	COLLET BODY	COLLET	HEATSHIELD	TORCH	BACKCAP
ALUMINA CLEAR	WITH SCREEN WITHOUT SCREEN	STANDARD	WEDGE	STANDARD		LONG 57Y02
ALUMINA CLEAR	WITH SCREEN WITHOUT SCREEN	SHORT	SHORT WEDGE	SHORT		MEDIUM 34015
CLEAR	LARGE DIAMETER WITH SCREEN	LARGE DIAMETER	SHORT WEDGE	LARGE DIAMETER		SHORT 57Y04

TYPE 3

CUP	COLLET BODY	COLLET	HEATSHIELD	TORCH	BACKCAP
ALUMINA 13N08 13N11 13N09 13N12 13N10 13N13	STANDARD	SHORT 10N21S 10N24S 10N22S 10N25S 10N23S	STANDARD		LONG 57Y02
CERAMIC 13N14 13N17 13N15 13N18 13N16 13N19		SHORT WEDGE REVERSE			MEDIUM 34015
CERAMIC-LONG 796F70 796F72 796F71 796F73		REVERSE			SHORT 57Y04
ALUMINA-GAS LENS 53N58 53N61 53N59 53N61S 53N60	SHORT - GAS LENS SEE ABOVE	SHORT WEDGE REVERSE	SHORT - GAS LENS		

TUNGSTEN ELECTRODES

TIG welding electrodes usually contain small quantities of metallic oxides, which can offer the following benefits:

- Facilitate arc starting
- Increase arc stability
- Improve current carrying capacity of the electrode
- Reduce the risk of weld contamination
- Increase electrode life

2% THORIATED TUNGSTEN - RED

Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate.

CLASSIFICATIONS	SIZE
EWTH-2	.020 x 7" (0.5mm x 175mm)
AWS A5.12-2009	.040 x 7" (1.0mm x 175mm)
WT20	1/16 x 7" (1.6mm x 175mm)
ISO 6848	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

.8% ZIRCONIATED TUNGSTEN - WHITE

Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten

CLASSIFICATIONS	SIZE
EWZr-8	.020 x 7" (0.5mm x 175mm)
AWS A5.12M-2009	.040 x 7" (1.0mm x 175mm)
WZ8	1/16 x 7" (1.6mm x 175mm)
ISO 6848	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

1.5% LANTHANATED TUNGSTEN - GOLD

Lowest erosion rate, wide current range, no spitting, best DC arc starts and stability

CLASSIFICATIONS	SIZE
EWLA-1.5	.020 x 7" (0.5mm x 175mm)
AWS A5.12-2009	.040 x 7" (1.0mm x 175mm)
WL 15	1/16 x 7" (1.6mm x 175mm)
ISO 6848	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

2% CERIATED TUNGSTEN - GREY

Low erosion rate, wide current range, AC or DC, no spitting, consistent arc starts, good stability

CLASSIFICATIONS	SIZE
EWCE-2	.020 x 7" (0.5mm x 175mm)
AWS A5.12-2009	.040 x 7" (1.0mm x 175mm)
WC20	1/16 x 7" (1.6mm x 175mm)
ISO 6848	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

PURE TUNGSTEN - GREEN

Balls easily, low cost, tends to spit at higher currents, used for non-critical welds only

CLASSIFICATIONS	SIZE
EWP	.020 x 7" (0.5mm x 175mm)
AWS A5.12-2009	.040 x 7" (1.0mm x 175mm)
WP	1/16 x 7" (1.6mm x 175mm)
ISO 6848	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

1.5% LANTHANUM, .8% YTTRIUM OXIDES .8% ZIRCONIUM - CHARTREUSE

Very stable tip geometry, runs cooler than 2% Thoriated with longer life, low to medium amperage range. Very best low amperage starts

CLASSIFICATIONS	SIZE
AWS A5.12	.020 x 7" (0.5mm x 175mm)
EWG	.040 x 7" (1.0mm x 175mm)
ISO 6848	1/16 x 7" (1.6mm x 175mm)
	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

RARE EARTH 4 (RE4) TUNGSTEN - PURPLE

Suitable for both DC and AC TIG welding. It maintains tip shape, reliable arc striking, low burn off rate, long service life

CLASSIFICATIONS	SIZE
AWS A5.12	.020 x 7" (0.5mm x 175mm)
EWG	.040 x 7" (1.0mm x 175mm)
ISO 6848	1/16 x 7" (1.6mm x 175mm)
	3/32 x 7" (2.4mm x 175mm)
	1/8 x 7" (3.2mm x 175mm)
	5/32 x 7" (4.0mm x 175mm)

