



Wholesale Welding Supplies Ltd

PRODUCT INFORMATION SHEET



TIG WELDING ACCESSORIES

PART NUMBERS

HP16310
HP16316
HP16324
HP16332
HP16340

PRODUCT DESCRIPTIONS

2% CERIATED TUNGSTENS

1.0MM x 150MM
1.6MM x 150MM
2.4MM x 150MM
3.2MM x 150MM
4.0MM x 150MM

PICTURE FILE: HP16310-HP16340

PRODUCT DESCRIPTION:

The ceriated tungstens in this range contain 2% of ceria of cerium oxide (CeO_2) and are identified by a grey colour code. The welding characteristics of 2% ceriated tungstens make them suitable for use in most TIG welding applications, AC or negative DC, including the welding of nickel alloys, mild and stainless steels, aluminium and copper. Ceria, unlike thorium, is not a radioactive material and does not create a health threat from repeated exposure.

Ceriated tungstens have an extended usable life and high current-carrying capacity, due to the ceria addition. Perhaps most importantly, the main characteristic of ceriated tungstens is their ability to operate successfully under AC and negative DC conditions. Arc starting is easier and the arc is more stable with a ceriated tungsten than with a pure or zirconiated tungsten. Like with thoriated tungstens, the tip wear rate is reasonably low.

150mm length 2% ceriated tungstens are available from WWS in diameters ranging from 1.0mm to 4.0mm.

TECHNICAL SPECIFICATIONS:

Classification:	EWCe-2 (under ANSI/AWS A5.12-92)
Suitable Current:	AC or DC (-) [negative DC]
Suitable For Welding:	Metals typically welded by pure, thoriated or zirconiated tungstens.
Tungsten Rod Length:	150mm
Available In Diameters:	1.0mm, 1.6mm, 2.4mm, 3.2mm, 4.0mm

NOTES:

A range of 1% thoriated tungstens (EWTh-1), suitable for DC (-) TIG welding of mild steel is also available, WWS part numbers HP16008 – HP16048.

In addition, a range of 2% thoriated tungstens (EWTh-2), suitable for DC (-) mild steel and stainless steel TIG welding is supplied by WWS, part numbers HP16105 – HP16164.

WWS also supply a range of 0.8% zirconiated tungstens (EWZr-08), suitable for AC TIG welding of aluminium and magnesium alloys, WWS part numbers HP16208 – HP16240.

ALTERNATIVES: 2% Thoriated Tungstens (EWTh-2) for mild and stainless steels, etc., HP16105 – HP16164
0.8% Zirconiated Tungstens (EWZr-08), for AC TIG welding, HP16208 – HP16264

TEL: 01462 482200 FAX: 01462 482202 EMAIL: sales@wholeweld.co.uk
VISIT THE WHOLESALE WELDING SUPPLIES WEBSITE AT: <http://www.wholeweld.co.uk>