

TIG 316H



TIG 316H consumables are designed for welding 316/316H austenitic stainless steels operating at high temperatures (500-800°C) under long term creep conditions..

CLASSIFICATIONS

AWS	A5.9	ER316H
BS EN	12072	19 12 3 H
DIN	8556	SG X5CrNiMo 19 11 (1.4403) (nearest)

CHEMICAL ANALYSIS

% Carbon	0.050	% Chromium	19.00
% Manganese	1.800	% Nickel	13.00
% Silicon	0.500	% Molybdenum	2.400
% Sulphur	0.010	% Copper	0.150
% Phosphorus	0.020	% Ferrite	5.000

**TYPICAL MECHANICAL PROPERTIES
ALL WELD METAL**

Tensile Strength	650 MPa
0.2% Proof Stress	460 MPa
Elongation on 4d	35%

Microstructure
Austenite with delta ferrite typically controlled in the range 3-8FN.

PACKING DATA

TIG (DC-)

Diameter (mm)	Current		Item Number	Pack Mass (Kg)
	Amps	Volts		
1.60	100	12	030-449	5
2.40	100	12	030-451	5

Suggested Shielding Gas: Argon

The information contained or otherwise referenced herein is presented only as typical without guarantee or warranty, and Afrox expressly disclaims any liability incurred from any reliance thereon. No data is to be construed as recommended for any welding condition or technique not controlled by Afrox.

For more information contact the Afrox Customer Service Centre,
tel: 0860 020202 or e-mail: customer.service@afrox.boc.com
Website: www.afrox.com

