

CODIFICATION: AWS/SFA 5.9: ER2553

CHARACTERISTICS AND APPLICATIONS:

FW 2553 is a solid wire for TIG welding, available in bright finish, gives smooth flow, stable arc and spatter free under optimum welding conditions. It gives radiographic quality weld deposit. The duplex stainless steel weld metal is characterized by high tensile strength, resistance to stress corrosion cracking and improved resistance to pitting. The major application area includes, oil & gas industry, offshore platforms, petrochemical plants, mechanical & structural components demanding high strength together with high corrosion resistance.

TYPICAL CHEMICAL COMPOSITION OF SOLID WIRE:

Element	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N
Percent	0.025	1.10	0.45	0.010	0.012	25.0	5.5	3.5	2.0	0.15

TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL:

UTS (MPa)	Elongation (L=4d) %
780	17.0

SHIELDING GAS : Argon

CURRENT CONDITIONS : DCEN

WELDING POSITION : H, F, VU, OH

PACKING:

STANDARD SIZE	Diameter 1.6 mm, 2.0 mm, 2.5 mm & 3.2 mm in cut lengths of 1000 mm each.
QUANTITY	5 kgs wire put in an air-tight polythene bag and finally packed in a plastic container. Identification – AWS code is punched on both the sides of wire.

An ISO 9001: 2008 certified company

D & H Sécheron Electrodes Pvt. Ltd.

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