



FW 304

CHARACTERISTICS AND APPLICATIONS:

FW 304 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 welds. Wire contains 19Cr - 10Ni. The weld metal exhibits excellent resistance to Intergranular Corrosion. It is ideally suited for welding of stainless steels of similar composition like 304 and equivalents, for overlays, surfacing, and repairing castings of similar materials.

TYPICAL CHEMICAL COMPOSITION OF SOLID WIRE:

Element	C	Mn	Si	S	P	Cr	Ni
%	0.04	1.20	0.30	0.015	0.018	19.0	10.0

TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL:

UTS (MPa)	Elongation (L = 4d) %
570	38.0

SHIELDING GAS: Argon

CURRENT CONDITION: DCEN

WELDING POSITION: H, F, VU, OH

PACKING:

STANDARD SIZE: Diameter 1.6 mm, 2.0 mm, 2.4 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 each wire.