



FW 430



**CODIFICATION: AWS/SFA 5.9
ER430**

CHARACTERISTICS AND APPLICATIONS:

FW 430 is a solid wire for TIG process available in bright finish, gives smooth flow, stable arc and spatter free under optimum welding conditions. It gives radiographic quality weld deposit. Weld metal possesses excellent resistance to corrosion, abrasion, and impact. It is designed for joining of similar alloys and for surfacing and overlay application on unalloyed steels. Ideally suited for surfacing of valves impellers, turbine, blades etc.

CHEMICAL COMPOSITION OF SOLID WIRE (%):

Element	C	Mn	Si	S	P	Cr
Range	0.10 Max	0.60 Max	0.50 Max	0.03 Max	0.03 Max	15.5-17.0
Typical	0.06	0.50	0.40	0.015	0.018	16.5

MECHANICAL PROPERTIES OF ALL WELD METAL: (PWHT: 780°C for 2 Hrs.)

Property	UTS (MPa)	% Elongation (L=4d)
Range	450 Min	20 Min
Typical	490	24

SHIELDING GAS : Argon

WELDING POSITIONS :

CURRENT CONDITIONS : DCEN

PACKING:

Standard Size	Diameter 1.6 mm, 2.0 mm, 2.5 mm & 3.15 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.

An ISO 9001: 2015 Certified Company

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