



J-503

STAINLESS STEEL ELECTRODE CORROSION RESISTANT

CLASSIFICATION

AWS A/SFA 5.4 E-316L

DESCRIPTION

J-503 is a extra low carbon, rutile coated, 18/12/2.3 Mo stainless steel electrode with excellent resistance to corrosion, heat and cracking. The weld metal has properties of creep resistance & is of radiographic quality with stable & smooth arc, easy slag detachability and almost spatter free welding.

APPLICATIONS

Suitable for AISI 316L grades of stainless steels, chemical industries, dyes and paint industries, pharmaceutical and fertilizer industries.

CHEMICAL COMPOSITION %

C	Mn	Si	Cr	Ni	Mo	S	P
0.04 max	0.70-2.0	0.3-0.75	17.0-20.0	11.0-14.0	2.0-3.0	0.03 max	0.04 max

ALL WELD MECHANICAL PROPERTIES

UTS, MPa	EL%	Ferrite No.
510-610	30-40	3-8

RECOMMENDED CURRENT CHARACTERISTICS : AC (70 OCV) DC (+)

SIZE mm DxL	2.50x350	3.15x350	4.00x350	5.00x350
CURRENT (Amps)	50-75	80-100	110-140	150-180

PRECAUTIONS

Redrying Condition : 250°c for one hour before use.

Packing Specification - **Supplied in 2 Kgs x 5 Pkts = 10 Kgs**