



BETANOX ZF

STAINLESS STEEL (Austenitic Steel)

AWS A/SFA 5.4 **E316L-16**

CLASSIFICATION:

ISO 3581-A
E (19 12 3 L) R 12
IS 5206
E19.12.2 LR26

KEY FEATURES:

- Rutile type coating
- Extra low carbon 18/14/Mo type deposit provide resistance to intergranular corrosion.
- Nearly zero ferrite content
- Smooth operating characteristics
- All position capability
- Radiographic quality weld
- Excellent corrosion resistance at high temperature service

APPROVALS: CE

TYPICAL APPLICATIONS:

- Specially designed for Urea reactors and Chemical industries
- Welding of Mo bearing austenitic alloys such as AISI 316, 316L, 317, 317L, 318 types
- Suitable for material no. 1.4401, 1.4404, 1.4406, 1.4408, 1.4429, 1.4435, 1.4436, 1.4437, 1.4571, 1.4580, 1.4583



TYPICAL CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt %:

C	Mn	Si	Cr	Ni	Mo
0.03	2.2	0.5	17.7	13	2.3

MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%	Ferrite No.
Typical	As Welded	605	37	0
Specification		490 min	30 min	0.5 max

PARAMETERS - PACKING DATA:

Ø x L, mm	Amperage, A		
2.5 x 350	50-75	 AC (70 OCV) /DCEP REDRYING CONDITION: 250-300°C for minimum 1 hr.	All Positions, except vertical Down 
3.15 x 350	80-100		
4.0 x 350	110-140		

Available in Standard carton packing of 10 kg box containing 5 cartons of 2 kg each.