WT E2553-16
Data Sheet

Specifications:

AWS A5.4
AWS Class E2553-16
ASME SFA 5.4

Properties (Typical, as-welded):

Tensile Strength: 112,000 psi
Yield Strength: 90,000 psi
Elongation: 26.5%

Description:

WT 2553-16 is considered a duplex alloy that deposits austenitic ferritic metal. It is mainly used for joining other duplex stainless steels as well as low alloy steels. When welding WT 2553-16 electrodes provide an increase tensile strength as well as an increase in pitting resistance and stress cracking resistance. It is often used in offshore industries and in piping for gas and oil.

Available in multiple sizes and diameters in spool and wire rods.

Chemical Composition (Wt%):

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
1.0	0.5-1.5	1.5-2.5	2.9-3.9	0.03	6.5-8.5	24.0-27.0	0.04	0.06

Note: Single values are maximum unless otherwise noted.

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126: OSHA Safety and Health Standards 29 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.