

Dual Shield 7000-A1

Dual Shield 7000-A1 is an all-position flux cored wire recommended for 0.5% Mo steels. It is used in the fabrication & erection of boilers, pressure piping & tubing and other pressure vessel applications.

Specifications

Classifications	SFA/AWS A5.29 : E81T1-A1C
Welding Current	DC+
Alloy Type	Low alloyed (0.5 % Mo)
CTOD-Tested	false

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
C1 shielding gas			
Stress Relieved	540 MPa	610 MPa	26 %

Typical Weld Metal Analysis %

C	Mn	Si	Mo
C1 shielding gas			
0.05	1.02	0.57	0.51

Deposition Data

Diameter	Current	Voltage
1.2 mm	140-330 A	22-34 V
1.6 mm	160-430 A	24-36 V