



Manufacturers of Custom Welding Lines for Resale
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SELECTRODE

7160

Mild Steel Flux Cored MIG
Wire

INTERNATIONAL CLASSIFICATIONS

AWS Specification: AWS A5.20

AWS Classification: E71T-1/1M

FEATURES & APPLICATIONS

7160 is an all-position, flux cored welding wire, which is intended for single and multiple pass welding of low-alloy and carbon steel where a minimum 70,000 psi tensile strength and good notch toughness is required. It is an excellent general purpose welding wire. This wire has very low fume, stable arc, good slag removal and excellent mechanical properties

Typical Applications:

- Buff and fillet welding of hulls and storage tanks.
- Structural steel
- Farm machinery
- Construction equipment
- General carbon steel fabrication

TYPICAL WIRE CHEMISTRY (AS WELDED WITH 100% CO2 SHEILDING GAS)

100% CO2

C	SI	Mn	P	S
.05	.56	1.39	.008	.014

75% Ar/25% CO2

C	SI	Mn	P	S
.05	.64	1.61	.005	.01

TYPICAL MECHANICAL PROPERTIES (AS WELDED)

	100% CO2	75%Ar/25%CO2
Yield Strength, psi:	82,700	78,100
Tensile Strength, psi:	90,600	89,100
% Elongation:	25.6	26.3
Charpy V-Notch (ft · lb f) @ 0°F:	70 61	
Charpy V-Notch (ft · lb f) @ -20°F:	32 40	

WELDING CURRENT & INSTRUCTIONS

Welding Current: DECP (Electrode Positive, Reverse Polarity)

Welding Positions: All position

TDS 7160 – Revision 04/04/17

Available Diameters and Suggested Operating Range in Amps:

.035": 100-250

.045": 100-300

.052": 100-330

1/16": 150-400