

Lincore[®] 50

Key Features

- Self-shielded open arc cored wire
- Delivers an abrasion resistant deposit, even under conditions of moderate impact
- Larger wire diameter sizes may be used for the submerged arc process
- Can be used on low carbon, medium carbon, low alloy, manganese and stainless steels
- Limited to 4 layers

Typical Applications

- Crusher rolls
- Dredge cutter teeth
- Ore chute baffles
- Muller plows and tires
- Coal mining cutting teeth

Conformances

AS/NZS 2576: 2150 B7*
(nearest equivalent)7

Welding Positions



Diameter / Packaging

Diameter mm	Part Number	Packaging
1.2	ED031123	Steel Spool 11.3kg
1.6	ED031124	Steel Spool 11.3kg
2.8	ED011275	Coil 22.7kg

Mechanical Properties

Rockwell - HRC			
	1 Layer	2 Layers	3 Layers
Mild Steel	34-37	44-48	48-52
0.50% Carbon Steel	41-43	47-50	50-53
Austenitic Mn Steel	-	43-45	48-50

Deposit Composition

	%C	%Mn	%Si	%Al	%Cr	%Mo
Open Arc 1.2 mm	2.4	1.3	1.0	0.6	11.4	-
Open Arc 1.6 mm	2.4	1.3	1.0	0.6	11.4	-
Open Arc 2.8 mm	2.0	0.9	1.0	0.6	9.2	0.5