

### Bostrand LW1



#### Classification Weld Metal

EN ISO 14341-A G 38 2 C G3Si1  
 EN ISO 14341-A G 42 3 M G3Si1

#### Classification Wire Electrode

EN ISO 14341-A G3Si1  
 SFA/AWS A5.18 ER70S-6

#### Description and applications

Bostrand LW1 is the general purpose mild steel copper coated MAG (metal active gas) wire. De-oxidised with manganese and silicon, it produces quality welds with excellent radiographic and mechanical properties. Bostrand LW1 is ideal for welding most mild and carbon-manganese steels e.g. Lloyds grades A to EH (up to EH32).

#### Approvals

ABS : 3YSA (M21)                      BV : SA3YM (M21)                      CE EN 13479  
 LR : 3S, 3YS                              DNV : 111 YMS

#### Typical all-weld mechanical properties – as welded using Ar/20%CO<sub>2</sub>

Yield Stress	480	MPa
Tensile Strength	560	MPa
Elongation	26	%
Charpy V impact value, Typical	- 20°C	90
	- 30°C	70
		J
		J

#### Chemical Composition (wire)

	Min	Max
C	0.06	0.14
Si	0.80	1.00
Mn	1.40	1.60
S		0.025
P		0.025
Cu		0.35

#### Welding Parameters

Size (mm)	0.6	0.8	1.0	1.2	1.6
Current (amps)	30-100	60-200	80-300	120-380	225-550