

Material Grade: **EN1A**

Associated Standard: **BS970: 1955**

**1. STEELMAKING**

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr*</u>	<u>Ni*</u>	<u>Mo*</u>	<u>V*</u>
<b>Min</b>	0.07		0.80	0.20					
<b>Max</b>	0.15	0.10	1.20	0.30	0.070	0.30	0.40	0.15	0.05

(\* denotes residual element)

**2. TYPICAL MECHANICAL PROPERTIES**

Test type			<u>Tensile and hardness test (at room temperature)</u>					
			Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness
Variation	Sample dia	Unit	<i>TSI</i>	<i>TSI</i>	<i>TSI</i>	%	%	<i>HB</i>
Cold drawn	> 2½ ≤ 4"	Min			23	14		
		Max						
As rolled / normalised		Min			23	26		
		Max						