

Material Grade: **EN9**

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>
Min	0.50	0.05	0.50						
Max	0.60	0.35	0.80	0.06	0.06	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>
Normalised	≤ 4"	Min	23		45	18		201
		Max						255
Drawn	≤ 2"	Min			50	12		223
		Max			65			302
Q+T 'R'	≤ 2"	Min	30		45	18		201
		Max						255