

Material Grade: **EN31**

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	0.90	0.10	0.30			1.00			
Max	1.20	0.35	0.75	0.05	0.05	1.60	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
Unit	N/mm2	N/mm2	N/mm2	%	%	HB
Annealed	Min					
	Max					229