

Material Grade: **EN32A**

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		0.05	0.40						
Max	0.15	0.35	0.70	0.05	0.05	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>						<u>Impact test (Izod)</u>
	Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Unit	<i>TSI</i>	<i>TSI</i>	<i>TSI</i>	%	%	<i>HB</i>	<i>Ft-lbs</i>
Capability test for core strength	Min		32	20			40
	Max						