

Material Grade: **EN34**

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	0.14	0.10	0.30				1.50	0.20	
Max	0.20	0.35	0.60	0.05	0.05	0.30	2.00	0.30	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 performed on 1.1/8" dia samples	Min		45	18			40
	Max						