

Material Grade: **BO1**

Associated Standard: **BS 4659**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Ni</u>	<u>V</u>	<u>W</u>	<u>Sn</u>	<u>Cu</u>
Min	0.85		1.10			0.40			0.40		
Max	1.00	0.40	1.35	0.035	0.035	0.60	0.40	0.25	0.60	0.05	0.20

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/mm ²	N/mm ²	N/mm ²	%	%	HB	HV
Annealed	Min							
	Max						229	
Heat treated	Min							735
	Max							