

Material Grade: **805M20**

Associated Standard: **BS970**

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>
Min	0.17	0.10	0.60			0.35	0.35	0.15
Max	0.23	0.35	0.95	0.040	0.035	0.65	0.75	0.25

2. TYPICAL MECHANICAL PROPERTIES

Test type	Tensile and hardness test (at room temperature)						Impact test (KV)
	Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Unit	N/mm ²	N/mm ²	N/mm ²	%	%	HB	J
Normalised	Min						
	Max					207	
Q+T capability test on 19mm sample	Min		850	11			16
	Max						