

Material Grade: **30NiCrMo16-6**

Associated Standard: **BS EN 10083**

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	0.26		0.50			1.20	3.30	0.30
Max	0.33	0.40	0.80	0.025	0.025	1.50	4.30	0.60

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
Variation	Sample dia	Unit	N/mm ²	N/mm ²	N/mm ²	%	%	HB	J
30NiCrMo16-6 + A		Min							
		Max					248		
30NiCrMo16-6 + QT	> 40 ≤ 100mm	Min	880		1080	10	45		35
		Max			11230				