

Material Grade: **1.0511**

Associated Standard: **Werkstoff**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Mo</u>	<u>Ni</u>	<u>Cr+Mo+Ni</u>
Min	0.37		0.50						
Max	0.44	0.40	0.80	0.045	0.045	0.40	0.10	0.40	0.63

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	<i>N/mm2</i>	<i>N/mm2</i>	<i>N/mm2</i>	<i>%</i>	<i>%</i>	<i>HB</i>	<i>J</i>
Annealed			Min						
			Max					197	
Q+T	> 41 ≤ 100mm	Min	350		600	16	45		
		Max			750				