

Material Grade: **1.1170**

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	0.25		1.30						
Max	0.22	0.40	1.65	0.035	0.035	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					223	
Q+T	> 41 ≤ 100mm	Min	440		650	16	50		40
		Max			800				