

Material Grade: **1.7131**

Associated Standard: **Werkstoff**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>
Min	0.14		1.00			0.80
Max	0.19	0.40	1.30	0.035	0.035	1.10

2. TYPICAL MECHANICAL PROPERTIES

Test type		<u>Tensile and hardness test (at room temperature)</u>						<u>Impact test (KV)</u>
		Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Variation	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						229	
Case hardened core strength on samples ≤ 30mm	Min	590		780	10	40		34
	Max			1080				