

Material Grade: **1.5752**

Associated Standard: **Werkstoff**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Ni</u>
Min	0.14		0.40			0.60	3.00
Max	0.20	0.40	0.70	0.035	0.035	0.90	3.50

2. TYPICAL MECHANICAL PROPERTIES

Test type		<u>Tensile and hardness test (at room temperature)</u>						<u>Impact test (KV)</u>
		<u>Yield (Re)</u>	<u>0.2 % proof</u>	<u>UTS (Rm)</u>	<u>Elong (A)</u>	<u>R of A (Z)</u>	<u>Hardness</u>	<u>Room Temp</u>
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	785		930	10	45		55
	Max			1230				