

Material Grade: **1.0535**

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>
<b>Min</b>	0.52		0.60						
<b>Max</b>	0.60	0.40	0.90	0.045	0.045	0.40	0.10	0.40	0.63

**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>
<b>Variation</b>	<b>Sample dia</b>	<b>Unit</b>	<i>N/mm2</i>	<i>N/mm2</i>	<i>N/mm2</i>	<i>%</i>	<i>%</i>	<i>HB</i>	<i>J</i>
<b>Annealed</b>			<b>Min</b>						
			<b>Max</b>					229	
<b>Q+T</b>	<b>&gt; 41 ≤ 100mm</b>	<b>Min</b>	420		700	15	40		
		<b>Max</b>			850				