

<b>Quality</b>	<b>S2</b>
<b>According to Standard</b>	<b>ASTM A 681</b>
<b>Number</b>	<b>-</b>



<b>Comparable Standards</b>	<b>EN</b>	<b>W.N.</b>	<b>AISI</b>	<b>DIN</b>	<b>UNS</b>
	-	1.2510	-	100MnCrW4	T41902

<b>Chemical Analysis</b>	<b>C %</b>	<b>Mn %</b>	<b>Si %</b>	<b>Cr %</b>	<b>V %</b>	<b>Mo %</b>	<b>S %</b>
	0.40 to 0.55	0.30 to 0.50	0.90 to 1.20	-	0.50 max.	0.30 to 0.60	0.030 max.
	<b>P %</b>	<b>W %</b>					
	0.030 max.	-					

### Hot Work and Heat Treatment

Preheat Treatment °F (°C)	Austenitizing Temperature, °F (°C)		Austenitizing Time (minutes)	Quench Medium	Tempering Temperature, °F (°C)	Minimum Hardness, RC
	Salt Bath	Controlled Atmosphere Furnaces				
1250 (677)	1625 (885)	1650 (899)	5 - 15	Brine	400 (204)	58

### Mechanical Properties at Room Temperature

Condition	Ø mm.	Rp0,2 min. N/mm2	Rm N/mm2	A min. %	KV min. J	Max. Brinell Hardness	
						Annealed BHN	Cold Drawn BHN
	-	-	-	-	-	217	241