


Quality	O1						
According to Standard	ASTM A 681						
Number	-						
							
Comparable Standards	EN	W.N.	AISI	DIN	UNS		
	-	1.2510	-	100MnCrW4	T31501		
Chemical Analysis	C %	Mn %	Si %	Cr %	V %	Mo %	S %
	0.85 to 1.00	1.00 to 1.40	0.10 to 0.50	0.40 to 0.70	0.30 max.	-	0.030 max.
	P %	W %					
	0.030 max.	0.40 to 0.60					
Hot Work and Heat Treatment							
	Preheat Treatment °F (°C)	Austenitizing Temperature, °F (°C) Salt Bath	Controlled Atmosphere Furnaces	Austenitizing Time (minutes)	Quench Medium	Tempering Temperature, °F (°C)	Minimum Hardness, RC
	1200 (649)	1450 (788)	1475 (802)	5 - 15	Oil	400 (204)	59
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 Cold Drawn BHN BHN	
	-	-	-	-	-	212	241