

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 BHN	Cold Drawn BHN
	-	-	-	-	-	212	241