

Quality	4150						
According to Standard	ASTM A 29/A 29M						
Number	-						
 KRANTI INDUSTRIAL METAL SUPPLIER LLP							
Comparable Standards	EN	W.N.	BS 970	DIN			
	-	-	-	-			
Chemical Analysis	C % max	Mn %	Si %	Cr %	Ni %	Mo %	S%
	0.48 - 0.53	0.75 - 1.00	0.15 - 0.35	0.80 - 1.10	-	0.15 - 0.25	0.040
	P %						
	0.035 max.						
Hot Work and Heat Treatment Temperatures							
	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				
	-	-	-	-	-	-	-
Mechanical Properties at Room Temperature							
	Ø	Rp0,2 min.	Rm	A min. %	KV min. J	Max. Brinell Hardness	
Condition	mm.	N/mm2	N/mm2			Annealed BHN	Cold Drawn BHN
	-	-	-	-	-	-	-