

Quality	1045
According to Standard	ASTM A 29/A 29M
Number	-



Comparable Standards	EN	W.N.	BS 970	DIN			
	C 45	1.0503	060A47	C 45			

Chemical Analysis	C % max	Mn %	Si %	Cr %	Ni %	Mo %	S%
	0.43 - 0.50	0.60 - 0.90	-	-	-	-	0.050 max.
	P %						
0.040 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

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