

Quality X6CrMoS19-2



According to Standard EN FD A 35-570:1996

Number 1.4114

Comparable Standards

German DIN	France AFNOR	USA ASTM	China GB	U.K. B.S.	Russia GOST	USA UNS	Japan JIS	Republic Of Korea KS
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X6CrMoS17	Z8CDF 19-2	XM-34	-	-	-	S18200	-	-
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Chemical Analysis

C% max	Si% max	Mn% max	P% max	S% max	Cr% max	Mo% max	Ni% max	Cu% max	Nb% max
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0.08	1.00	2.50	0.040	0.15-0.35	17.5-19.5	1.50-2.50	0.75	-	-
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Hot Work and Heat Treatment Temperatures

Temperature °C

Melting Range	Hot Forming	Isothermal Annealing + I	Stabilizing	Quenching +Q	Tempering +T	Soft Annealing	Sensitization		
1500	Preheat 870-820	Not Suitable	-	Not Suitable	Not Suitable	850-775 air	-		
	Hot Forming 1100-1040								

Chemical Treatment : Passivation (20-50% HN03) + (2-6% Na2Cr2O7 •2H2O) Hot or Cold

Mechanical Properties at Room Temperature

Heat Treated Materials + A FD A 35-570 : 1996

Size mm	to	Testing at room temperature			
		R N/mm2	Rp 0.2 N/mm2 min.(L)	A% min	Kv2 + 20 °C J min.
100		430-630	240	14	-