

Quality X6Cr17

According to Standard EN 10088-3:2005 (E)

Number 1.4016



Comparable Standards

EN	W.N.	AISI
X6Cr17	1.4016	430

Chemical Analysis

C % max	Si % max	Mn % max	P% max	S%
0,08	1,00	1,00	0,040	≤ 0,030 ^b
Cr %	N max	Mo %	Ti	Ni %
16,0 to 18,0	—	—	—	—

Hot Work and Heat Treatment Temperatures

Heat Treatment Symbol	Hot Forming		Annealing	
	Temperature °C	Type of cooling	Temperature °C	Type of cooling
+A	1100 to 800	air	750 to 850	air

Mechanical Properties at Room Temperature

Heat Treatment Condition	Ø mm.	Hardness HB ^c max	Rp0,2 ^d min. N/mm2	Rm ^d N/mm2	A % min. (long.)
	100	200	240	400 to 630	20

Resistance to	
in the delivery condition	in the welded condition
yes	no