Quality	**X20Cr13**
According to Standard	**EN 10088-3:2008**
Number	**1.4021**

ALOK INGOTS
steel re engineered
AN ISO 9001:2008 CERTIFIED COMPANY

Comparable Standards

EN	W.N.	AISI
X20Cr13	1.4021	420

Chemical Analysis

C %	Mn %	Si %	Cr %	Ni %	Mo %
0.16 to 0.25	≤1.50	≤1.00	12.00 to 14.00	—	—

P%	S%
<0.040	S≤0.030

Hot Work and Heat Treatment Temperatı

Forging °C	Annealing °C	Hardening °C	Tempering °C
1100 to 800	750 to 820	950 to 1050	QT 700
slow cooling	air	oil / air	650 to 750 air
			QT 800
			600 to 700 air

Mechanical Properties at Room Temperature

Condition	Ø mm.	Rp0,2 min. N/mm2	Rm N/mm2	A min. %	KV min. J	Max Hardness HB
QT 700	≤160	500	700 to 850	13	25	
QT 800	≤160	600	800 to 950	12	20	
Annealed			**Max 760**			**230**