Quality	**X30Cr13**
According to Standard	**EN 10088-3:2005 (E)**
Number	**1.4028**

KRANTI INDUSTRIAL METAL SUPPLIER LLP

Comparable Standards

EN	W.N.	AISI
X30Cr13	1.4028	420F

Chemical Analysis

C %	Mn %	Si % max	P% max	Cr %	Ni %	Mo %
0,26 to 0,35	≤ 1,50	1,00	0,040	12,0 to 14,0	—	—

S%	Others
≤ 0,030[b]	—

Hot Work and Heat Treatment Tempera

Heat Treatment Symbol	Hot Forming		Annealing		Quenching		Tempering
	Temperature °C	Type of cooling	Temperature °C	Type of cooling	Temperature °C	Type of cooling	Temperature °C
+A	1100 to 800	slow cooling	745 to 825	air	—	—	—
+QT 650	1100 to 800	slow cooling	—	—	950 to 1050	oil, air	625 to 675

Mechanical Properties at Room Temperature

t Treatment Condi	Ø	Hardness	Rp0,2[d] min.	Rm[d]	A[d] min. %	KV min. J
	mm.	HB[c] max	N/mm2	N/mm2		
+A	—	245	—	max 800	—	—
+QT650	≤ 160	—	650	850 to 1000	10	15