

Quality X14CrMoS17

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

Number 1.4104



KRANTI INDUSTRIAL
METAL SUPPLIER LLP

Comparable Standards

EN	W.N.	AISI
X14CrMoS17	1.4104	430F

Chemical Analysis

C %	Si % max	Mn %	P % max	S %	Cr %
0,10 to 0,17	1,00	≤ 1,50	0,040	0, 15 to 0,35	15,5 to 17,5

Cu	Mo %	Nb	Ni %	Others
—	0,20 to 0,60	—	—	—

Hot Work and Heat Treatment Temper:

Heat Treatment Symbol	Hot Forming		Annealing		Quenching		Tempering Temperature °C
	Temperature °C	Type of cooling	Temperature °C	Type of cooling	Temperature °C	Type of cooling	
+A	1100 to 800	air	750 to 850	furn.,air	—	—	—
+QT 650	1100 to 800	air	—	—	950 to 1070	oil, air	550 to 650

Mechanical Properties at Room Temperature

Heat Treatment Condition	Ø	Hardness	Rp0,2 ^d min.	Rm ^d	A ^d min. %	KV min. J
	mm.	HB ^c max	N/mm ²	N/mm ²		
+A	—	220	—	max 730	—	—
+QT650	≤ 60	—	500	650 to 850	12	—
	60 < t ≤ 160				10	—