

Quality X14CrMoS17
 According to Standard EN 10088-3:2005 (E)
 Number 1.4104



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 Condi	Ø	Hardness	Rp0,2 ^d min.	Rm ^d	A ^d min. %	KV min. J
	mm.	HB ^c max	N/mm2	N/mm2		
+A	—	220	—	max 730	—	—
+QT650	≤ 60 60 < t ≤ 160	—	500	650 to 850	12 10	— —