

Quality 431		 KRANTI INDUSTRIAL METAL SUPPLIER LLP							
According to Standard		ASTM A 276 - 06							
Number		-							
Comparable Standards	EN	W.N.	BS						
	X17CrNi16-2	1.4057	431S29						
Chemical Analysis	C %	Mn %	Si %	P%	Cr %	Ni %	Mo %	S%	Other Elements
	0.20	1.00	1.00	0.040 max.	15.0 to 17.0	1.25 to 2.50	—	0.030 max.	—
Hot Work and Heat Treatment									
	Type ^A	Heat Treatment Temperature ^B	Quench ant	Hard ness					
		°F (°C), min		HRC, min					
	431	1875 (1020)	Oil	40					
Mechanical Properties at Room Temperature									
Finish	Condition	Diameter or Thickness in. (mm) over 1 1/2 (38.10) to 1 3/4 (44.45)	Tensile Strength, min ksi Mpa	Yield Strength, ^A min ksi Mpa		Elongation in 2 in. (50 mm) ^B or 4D min%	Reduction of Area, min, %	Brinell Hardness, max	
			125 860	100 690		18	45	-	
Hot Finished or Cold Finished	A	all	- -	- -		-	-	285	
		-	- -	- -		-	-	-	