

1.4113

	%C	%Si	%Mn	%P	%S	%Cr	%Mo	%N
X6CrMo17-1	-	-	-	-	-	16.0	0.90	-
	≤0.08	≤1.00	≤1.00	≤0.040	≤0.030	18.0	1.40	-

STEEL PROPERTIES

1.4113 is a ferric stainless steel, straight chromium, non-hardenable grade. It has good corrosion resistance and formability characteristics with useful mechanical properties.

EQUIVALENT GRADES

EN 10088-3	1.4113	X6CrMo17-1
AISI	S43400	
AFNOR	Z8CD17-01	
BS	434S17	
JIS	SUS 434	
UNS	S31266	

APPLICATIONS

1.4113 is used in bars, sheets, plates, steel coils, steel pipes,

HEAT TREATMENT

1.4113 is offered in soft annealed solution.

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Mechanical properties at room temperature for 1.4113 as per EN 10088-1 in the usual delivery condition

Flat products with thickness a	Heat Treatment Condition	Hardness HB max.	0.2% Proof strength MPa. min.	Tensile Strength R _m MPa.	A % Min. Long Products
a ≤ 100	+A	200	280	440 to 660	18

Physical properties of 1.4113 as per EN 10088-3

Density Kg/dm ²	Linear Expansion Coefficient 10 ⁻⁶ k ⁻¹ Between 20°C and (°C)					Thermal conductivity W/(m.K) 20°	Specific Heat capacity kJ(kg.K) 20°	Electrical resistivity 2 /m At 20°C	Magnetizability
	100°C	200°C	300°C	400°C	500°C				
7.7	10	10.5	10.5	10.5	11.0	25	-	0.70	yes