

# 1.4410

	%C	%Si	%Mn	%P	%S	%Cr	%Mo	%Ni	%N
<b>X2CrNiMoM25-7-4</b>	-	-	-	-	-	<b>24.0</b>	<b>3.00</b>	<b>6.00</b>	<b>0.24</b>
	<b>≤0.030</b>	<b>≤1.00</b>	<b>≤2.00</b>	<b>≤0.035</b>	<b>≤0.015</b>	<b>26.0</b>	<b>4.50</b>	<b>8.00</b>	<b>0.35</b>

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## STEEL PROPERTIES

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1.4410 is a super duplex stainless steel characterized by higher contents of chrome, molybdenum and nickel than standard duplex steels, resulting in increased corrosion resistance. These steels were developed for applications in aggressive chloride environments.

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## EQUIVALENT GRADES

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EN 10088-3	1.4410	X2CrNiMoN25-7-4
AISI	A182 F53	
AFNOR	Z3CND25-06Az	
UNS	S32750	

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## APPLICATIONS

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1.4410 is used in Propeller- and Pump shafting, Pump- and Valve parts, Oil- and gas industry.

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## HEAT TREATMENT

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1.4410 is offered in solution treated condition

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**Mechanical properties at room temperature for 1.4410 as per EN 10088-3 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 <sub>m</sub> MPa.	A % Min. Long Products
a ≤ 160	+AT	290	530	730 to 930	25

**Physical properties of 1.4410 as per EN 10088-1**

Density Kg/dm <sup>2</sup>	Linear Expansion Coefficient 10 <sup>-6</sup> k <sup>-1</sup> Between 20°C and (°C)					Thermal conductivity W/(m.K)	Specific Heat capacity kJ(kg.K)	Electrical resistivity Ωmm <sup>2</sup> /m At 20°C	Magnetizability
	100°C	200°C	300°C	-	-				
7.8	13.0	13.5	14.0	-	-	15	-	0.8	Yes