

# 1.4512

<b>X2CrTi12</b>	<b>%C</b>	<b>%Si</b>	<b>%Mn</b>	<b>%P</b>	<b>%S</b>	<b>%Cr</b>	<b>%Ti</b>
<b>Min.</b>	-	-	-	-	-	10.5	6 x (C+N)
<b>Max.</b>	0.05	1.00	1.00	0.040	0.015	12.5	0.65

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## STEEL PROPERTIES

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1.4512 has superior corrosion resistance than mild carbon steel in dry air condition with no chloride contamination. It offers good corrosion resistance and longer life in demanding atmospheric conditions where superficial rusting and discoloration is acceptable. Presence of titanium reduces the risk of sensitization due to intergranular corrosion. The grade offers good machinability and can be welded using most of the common techniques.

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## EQUIVALENT GRADES

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EN 10088-3	1.4512	X2CrTi12
AISI	409	
UNS	S40900	

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## APPLICATIONS

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1.4512 is used in manufacturing of exhaust systems, mufflers, catalytic converters for automobile and industrial exhaust systems

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## HEAT TREATMENT

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1.4512 is usually supplied in annealed (A) condition