



**NBNA21201 A 490-1,2 steel plate/sheet for general Construction steels**

NBNA21201 A 490-1,2 steel plate/sheet, NBNA21201 A 490-1,2 steel plate/sheet, under EN standard, we can regard A 490-1,2 steel plate/sheet for general Construction steels. NBNA21201 A 490-1,2 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN A 490-1,2 steel.

A 490-1,2 DIN NBNA21201-2 Number: 1.0050	Comparison of steel grades	
	NBNA21201 :1 990	A 490-1,2
	DIN17100	ST50-2
	NFA 35-501	A50-2
	BS1449	-
	UNI7070	FE 490

Chemical analysis -% by mass\* of A 490-1,2 steel

Chemical elements	C <sub>≤</sub> 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
%,by mass	-	-	-	-	0.045	0.045	0.012

Mechanical properties of A 490-1,2 steel

thickness	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	295 285			
t < 3mm t ≥ 3mm		490-600 470-610		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			11 12 13 14 18	- -

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