



NFA35501 A 70-2 steel plate/sheet for general Construction steels

NFA35501 A 70-2 steel plate/sheet, NFA35501 A 70-2 steel plate/sheet, under EN standard, we can regard A 70-2 steel plate/sheet for general Construction steels. NFA35501 A 70-2 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN A 70-2 steel. A 70-2 steel is according to NFA35501 standard and it is equivalent to EN: Fe690-2, DIN17100:St70-2, NFA: A70-2 and NFA35501:E360 steel grades.

A 70-2 NFA35501	Comparison of steel grades	
	NFA35501:1990	A 70-2
	DIN17100	ST70-2
	NFA 35-501	A70-2
	BS1449	-
	UNI7070	FE 690

Chemical analysis -% by mass of A 70-2 steel

Chemical elements	C _≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
A 70-2	-	-	-	-	0.045	0.045	0.012

Mechanical properties of A 70-2 steel

thickness	Yield Strength ReH [N/mm ²] transv.min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm	360			
t > 16mm	355			
t < 3mm		690-900		
t ≥ 3mm		670-830		
Up to 1.5mm			4	-
1.51-2.00mm			5	-
2.01-2.50mm			6	
2.51-2.99mm			7	
≥ 3mm			10	

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