

MNC 850 E SIS 16,50,00 steel plate/sheet for general Construction steels

MNC 850 E SIS 16,50,00 steel plate/sheet, MNC 850 E SIS 16,50,00 steel plate/sheet, under EN standard, we can regard SIS 16,50,00 steel plate/sheet for general Construction steels. MNC 850 E SIS 16,50,00 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN SIS 16,50,00 steel. SIS 16,50,00 steel is according to MNC 850 E standard and it is equivalent to DIN17100:St60-2, NFA:A60-2 and UNI7070:Fe590 steel grades.

SIS 16,50,00 MNC 850 E	Comparison of steel grades	
	MNC 850 E:1990	FE 590-2
	DIN17100	ST60-2
	NFA 35-501	A60-2
	BS1449	-
	UNI7070	FE 590

Chemical analysis -% by mass of SIS 16,50,00 steel

Chemical elements	C _≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
SIS 16,50,00	-	-	-	-	0.045	0.045	0.012

Mechanical properties of SIS 16,50,00 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 t > 16mm	335 325			
t < 3mm t ≥ 3mm		590-770 570-710		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			7 8 9 10 14	- -

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