

EN10025 E360 steel plate/sheet for general Construction steels

Key words :

[EN10025 E360 steel plate/sheet](#), EN10025 E360 steel plate/sheet, under EN standard, we can regard E360 steel plate/sheet for general Construction steels. EN10025 E360 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN E360 steel. E360 steel is according to EN10025 standard and it is equivalent to EN:Fe690-2, DIN17100:St70-2, NFA: A70-2 and UNI7070:Fe690 steel grades.

Equivalent grade :

MNC 850 E SIS 16,50,00 steel plate/sheet is in EN 10025 standard. The comparison of steel grades is: MNC 850 E:1990 SIS 16,50,00, DIN17100 ST60-2, NFA 35-501 A60-2, BS1449, UNI7070 FE 590.

E360 EN 10025-2 Number: 1.0070	Comparison of steel grades	
	EN10025:1990	FE 690-2
	DIN17100	ST70-2
	NFA 35-501	A70-2
	BS1449	-
	UNI7070	FE 690

SIS 16,50,00 steel Chemical analysis

Main chemical composition in MNC 850 E SIS 16,50,00 steel : Phosphorus max 0.045, Silicon max 0.045, please refer to the flowing table:

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
E360	-	-	-	-	0.045	0.045	0.012

SIS 16,50,00 steel Mechanical properties

MNC 850 E SIS 16,50,00 is general Construction steels, The different thickness with different yield strength, tensile strength and fracture elongation. More detailed information about MNC 850 E SIS 16,50,00 steel Mechanical Properties , please refer to the following table:

thickness	Yield Strength ReH [N/mm ²] transv.min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy ¹)Ch Vcomplete samplelongitud. min [J]
t≤ 16mm t >16mm	360 355			-
t < 3mm t ≥ 3mm		690-900 670-830		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			4 5 6 7 10	

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