

EN10025 E360 steel plate/sheet for general Construction steels

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.

E360 DIN 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

Chemical analysis -% by mass of E360 steel

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

Mechanical properties of E360 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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