

EN10025 E355 steel plate/sheet for general Construction steels

EN10025 E355 steel plate/sheet, EN10025 E355 steel plate/sheet, under EN standard, we can regard E355 steel plate/sheet for general Construction steels. EN10025 E355 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN E355 steel. E355 steel is according to EN10025 standard and it is equivalent to DIN17100:St60-2, NFA:A60-2 and UNI7070:Fe590 steel grades.

E355 DIN EN 10025-2 Number: 1.0060	Comparison of steel grades	
	EN10025:1990	FE 590-2
	DIN17100	ST60-2
	NFA 35-501	A60-2
	BS1449	-
	UNI7070	FE 590

Chemical analysis -% by mass of E355 steel

Chemical elements	C _≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
E355	-	-	-	-	0.045	0.045	0.012

Mechanical properties

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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