

**DIN 17102 TStE355 steel plate/sheet for fine-grain structural steels
normalised rolled steels**

DIN 17102 TStE355 steel plate/sheet, DIN 17102 TStE355 steel plate/sheet, under DIN standard, we can regard TStE355 steel plate/sheet as fine-grain structural steels, normalised rolled steels. DIN 17102 TStE355 is mainly used as fine-grain structural steels, normalised rolled steels.

DIN 17102 TStE355 steel plate/sheet is fine-grain structural steels, normalised rolled steel plates/sheets specially manufactured for different types of welded constructions, from base material, resistant to heat and tough for low temperatures. And it can be used for pressure boilers, storing tanks both movable and standing, high pressure pipes, bridges, masts, tethers, etc.

T StE 355 DIN17102 MATERIAL# 1.0456	Comparison of steel grades	
	UNE36081	AE 355 KT
	EN 10025-3	S355NL
	UN	Fe E 355 KT N
	NFA36 201	E355FP
	BS1449	50 EE

Chemical analysis -% by mass of DIN TStE355 steel

Chemical elements	C max	Si max	Mn max	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
%,by mass	0.18	0.50	0.90-1.65	0.025	0.020	0.55	0.30	0.50	0.12	0.05	0.02

Mecha

mechanical properties of DIN TStE355 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	355 345			+20 KV 40J 0 KV 34J
t < 3mm t ≥ 3mm		470-630		-10 KV 30J -20 KV 27J
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			22	-30 KV 23J -40 KV 20J -50 KV 16J

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