

**Fine-grain structural steels, normalised rolled steel BS1449 43EE steel plate**

43EE steel plate, under BS1449 standard 43EE steel plate, under BS1449 standard, we can regard 43EE steel plate as Fine-grain structural steels, normalised rolled steel

43EE steel plate is one mainly of Fine-grain structural steels, normalised rolled steel,43EE steel plate is under BS1449 standard equivalent to DIN:43EE,which with a minimum impact energy of 20J at temperatures not lower than -20 degree and the tensile strength of 43EE is 370 to 510MPa

43EE BS1449 MATERIAL# 1.0491	Comparison of steel grades	
	UNE36081	AE285KG/AE285KW
	DIN1614/2	S275N
	NFA 36-301	-
	UN	Fe E 275KG N

Chemical analysis -% by mass\*

Chemical elements	C max	Si max	Mn	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
%,by mass	0.18	0.40	0.50-1.50	0.030	0.025	0.55	0.30	0.30	0.05	0.05	0.02

Mechanical properties

thickness	Yield Strength ReH[N/mm2] transv.min.	TensileStrengthRm[N/mm2]transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	275 265			31J +20 KV
t < 3mm t ≥ 3mm		370-510		27J 0 KV
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			24	24J -10 KV 20J -20 KV -40 - -50 -

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