

Fine-grain structural steels, normalised rolled steel UNI5867 FeE275KTN steel plate

FeE275KTN steel plate, under UNI5867 standard FeE275KTN steel plate, under UNI5867 standard, we can regard FeE275KTN steel plate as Fine-grain structural steels, normalised rolled steel. FeE275KTN steel plate is one mainly of Fine-grain structural steels, normalised rolled steel, FeE275KTN steel plate is a hot rolled structural steels, which technical delivery conditions for normalized or normalized rolled in weldable fine grain structural steel grade. It is also regarded as DIN:TStE285 and BS:43EE

Fe E 275 KT N UNI5867 MATERIAL# 1.0491	Comparison of steel grades	
	UNE36081	AE 285 KT
	DIN17102	T StE 285
	EN 10111	S275NL
	BS4360	43 EE

Chemical analysis -% by mass*

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	0.16	0.40	0.50-1.50	0.025	0.020	0.55	0.30	0.30	0.05	0.05	0.02

Mechanical properties

thickness	Yield StrengthReH[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			+20	KV 40J
t < 3mm t ≥ 3mm		370-510		0	KV 34J
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			24	-10	KV 30J
				-20	KV 27J
				-30	KV 23J
				-40	KV 20J
				-50	KV 16J

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