



NFA 35-501 E 24-3 steel plate

[NFA 35-501 E 24-3 steel plate](#), carbon structural **steel**

[E 24-3 steel plate](#), **NFA 35-501 E 24-3 steel plate** is a kind of carbon structural steel. **NFA 35-501 E 24-3 steel** plate is characterised by a minimum yield strength of 170-235MPa and tensile strength of 340-510MPa, so [E 24-3 steel](#) is mainly used in riveted, bolted, or welded construction of bridges and buildings. the following are [NFA 35-501 E 24-3 steel](#) plate's Chemical composition and mechanical properties

E 24-3 steel plate Chemical analysis -% by mass*

Chemical elements	C ≤ 16mm max	C > 16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.17	0.17	--	1.40	0.045	0.045

E 24-3 steel plate Mechanical properties

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv. min.	Fracture Elongation [%] transv. min.	Notch Impact Energy (1) Charpy complete sample longitudinal. min [J]
t ≤ 16mm t > 16mm	235 225			Degree: 0 AV: 27J
t < 3mm t ≥ 3mm		360-510 340-470		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			16 17 18 19 24	

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