

### DIN 17100 ST44-3U Low alloy high strength steel plate

DIN 17100 ST44-3U steel plate, DIN 17100 ST44-3U steel plate is a kind of Low alloy high strength steel plate. DIN 17100 ST44-3U steel plate is characterised by a minimum yield strength of 265-275MPa and tensile strength of 410-580MPa, so ST44-3U steel is mainly used in riveted, bolted, or welded construction of bridges and buildings. The following are DIN 17100 ST44-3U steel plate's Chemical composition and mechanical properties. If you are looking for Chinese ST44-3U steel supplier, if you want to know ST44-3U steel price, please be free to contact us.

#### ST44-3U steel plate Chemical analysis -% by mass

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.18	0.18	--	1.50	0.040	0.040

#### ST44-3U steel plate Mechanical properties

thickness	Yield Strength ReH [N/mm <sup>2</sup> ] transv. min.	Tensile Strength Rm [N/mm <sup>2</sup> ] ]transv.	Fracture Elongation [%] transv. min.	Notch Impact Energy 1) Charpy complete sample longitudinal. min [J]
t ≤ 16mm t > 16mm	275 265			0 degree 27J
t < 3mm t ≥ 3mm		430-580 410-560		
Up to 1.5mm			13	
1.51-2.00mm			14	
2.01-2.50mm			15	
2.51-2.99mm			16	
≥ 3mm			20	

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