

DIN 17100 st44-2 Low alloy high strength steel plate

DIN 17100 st44-2 steel plate, DIN 17100 st44-2 steel plate is a kind of Low alloy high strength steel plate. DIN 17100 st44-2 steel plate is characterised by a minimum yield strength of 265-275MPa and tensile strength of 410-580MPa, so st44-2 steel is mainly used in riveted, bolted, or welded construction of bridges and buildings. the following are DIN 17100 st44-2 steel plate's Chemical composition and mechanical properties. If you are looking for Chinese st44-2 steel supplier, if you want to know st44-2 steel price, please be free to contact us.

st44-2 steel plate Chemical analysis -% by mass

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.21	0.21	--	1.50	0.045	0.045

st44-2 steel plate Mechanical properties

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation [%] transv. min.	Notch Impact Energy 1) Ch V complete sample longitud. min [J]
t ≤ 16mm	275			20 degree 27J
t > 16mm	265			
t < 3mm		430-580		
t ≥ 3mm		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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