



DIN 17100 ST 44-2 Channel Steel

DIN 17100 ST 44-2 Channel Steel is a hot rolled, mild steel structural C shape with inside radius corners that is ideal for all structural applications, general fabrication, manufacturing and repairs. Its C-shape or U-shape configuration is ideal for added strength and rigidity over steel angle when your project's load is vertical or horizontal. DIN 17100 ST 44-2 Channel Steel shape is easy to weld, cut, form and machine with the proper equipment and knowledge.

DIN 17100 ST 44-2 Channel Steel Chemical Requirements:

Material	C % max						P %	S %	N %	Other %
	≤16	>16, ≤30	>30, ≤40	>40, ≤63	>63, ≤100	>100	max	max	max	max
ST44-2	0.21	0.21	0.21	0.2	0.2	0.22	0.05	0.05	0.01	-

DIN 17100 ST 44-2 Channel Steel Mechanical Properties:

Material	Tensile strength Mpa		
	Normal thickness mm		
	<3	≥3, ≤100	>100
St 44-2	430-580	410-540	By agreement

Material	Minimum yield strength Mpa					
	Normal thickness mm					
	≤16	>16, ≤40	>40, ≤63	>63, ≤80	>80, ≤100	>100
St44-2	275	265	255	245	235	By agreement

Material	Elongation Mpa %	
	L0=80mm Normal thickness mm	L0=5.65 √ S0 mm Normal thickness mm



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	$\geq 0.5,$ < 1	$\geq 1,$ < 1.5	$\geq 1.5,$ < 2	$\geq 2,$ < 2.5	$\geq 2.5,$ < 3	$\geq 3,$ ≤ 40	$> 40, \leq 63$	$> 63, \leq 100$	> 100
St 44-2	14	15	16	17	18	22	21	20	By agreement

Material	Minimum energy (J)				
	Normal thickness mm				
	Temperature	$\geq 10 \leq 16$	$> 16 \leq 63$	$> 63, \leq 100$	> 100
St 44-2	20	27	27	-	By agreement

EN10025 S355JR/J2/J0 Channel steel typical Applications:

EN10025 S355JR/J2/J0 Channel steel used for general structural purposes, for use in riveted, bolted, or welded construction of buildings, bridges, machinery, etc. Used for booms, rails, braces, frames, brackets, cross-members, liners, truck trailers, truck beds, racks, etc.

Payment : T/T, L/C or others

Trade Terms : FOB / CFR /CIF or others

As the professional Chinese EN10025 S355JR/J2/J0 Channel steel supplier, we supply our customers the best quality with the competitive price, the best service and rapid delivery time. If you purchase the EN10025 S355JR/J2/J0 Channel steel, we support you to pay a visit to our company and do inspection. If you have any need, you are welcome to contact me, and we are sincerely looking for your cooperation.