



DIN 17100 ST 52-3 Channel Steel

DIN 17100 ST 52-3 Channel Steel is stronger than A36 channel, while exhibiting ease of machining, forming and welding. As a result, it is used for applications that require additional strength.

DIN 17100 ST 52-3 Channel Steel Chemical Composition:

Material	C % max						P %	S %	N %
	≤16	>16,≤30	>30,≤40	>40,≤63	>63,≤100	>100	max	max	max
ST52-3	0.2	0.2	0.22	0.22	0.22	by agreement	0.04	0.04	-

DIN 17100 ST 52-3 Channel Steel Mechanical Properties:

Material	Tensile strength Mpa		
	Normal thickness mm		
	<3	≥3,≤100	>100
St 52-3	510-680	490-630	by agreement

Material	Minimum yield strength Mpa					
	Normal thickness mm					
	≤16	>16,≤40	>40,≤63	>63,≤80	>80,≤100	>100
St52-3	355	345	335	325	315	by agreement

Material	Elongation Mpa %									
	L0=80mm Normal thickness mm					L0=5.65 √ S0 mm Normal thickness mm				
	≥0.5, <1	≥1, <1.5	≥1.5, <2	≥2, <2.5	≥2.5, <3	≥3, ≤40	>40,≤63	>63,≤100	>100	
St 52-3	14	15	16	17	1	22	21	20	by	



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						8				agreement
	12	13	14	15		16	20	19	18	

Material	Minimum energy (J) Normal thickness mm				
	Temperature	$\geq 10 \leq 16$	$> 16 \leq 63$	$> 63, \leq 100$	> 100
	St 52-3	20	27	23_	by agreement_

DIN 17100 ST 52-3 Channel Steel Application:

DIN 17100 ST 52-3 Channel Steel use in bridges, buildings, freight cars, construction equipment, smoke-stack liners, precipitators, transmission towers, and light poles where savings in weight and/or added durability are important.

DIN 17100 ST 52-3 Channel Steel Advantages:

1. To make construction easier and more convenient, saving time and labor cost.
2. Manufacture special size and shape steel products according to customers' requirement.
3. Different kinds of fittings can make up many different combinations.

Katalor is the professional Chinese DIN 17100 ST 52-3 Channel Steel supplier. If you need DIN 17100 ST 52-3 Channel Steel, we can put the DIN 17100 ST 52-3 Channel Steel order to our steel mill directly or collect these goods from our stock directly if we have enough ex-stock. Besides. if you need any offer or if you want to know the price and any other information about DIN 17100 ST 52-3 Channel Steel price, please be free to contact us.