



EN10025 S275JR/J2/J0 H Beam

EN10025 S275JR/J2/J0 H Beam is a kind of steel that similar with China's GB/T700 and GB/T1591 column steel phase. EN10025 S275JR/J2/J0 H Beam is mainly used for engineering and structural steel for carbon steel and low alloy. EN10025 S275JR/J2/J0 H Beam usually without heat treatment delivery. S275 equivalent to Q275. If the order agreement is required, it can be done at room temperature 20 C, 0 C, -20 C impact test.

S275JR/J0/J2 H Beam Chemical Requirements

Material	C% max			Si %	Mn %	P %	S %	N %	Cu %	Other %
	≤16	>16,≤40	>40	max	max	max	max	max	max	max
S275JR	0.21	0.21	0.21	-	1.50	0.035	0.035	0.012	0.55	-
S275J0	0.18	0.18	0.18	-	1.50	0.030	0.030	0.012	0.55	-
S275J2	0.18	0.18	0.18	-	1.50	0.025	0.025	-	0.55	-

S275JR/J0/J2 Mechanical Properties :

Material	Tensile strength Mpa				
	Normal thickness mm				
	≤3	>3,≤100	>100,≤150	>150,≤250	>250,≤400
S275JR	430-580	410-560	400-540	380-540	-
S275J0	430-580	410-560	400-540	380-540	-
S275J2	430-580	410-560	400-540	380-540	380-540

Material	Minumum yield strength Mpa							
	Normal thickness mm							
	≤16	>16,≤40	>40,≤60	>63,≤80	>80,≤100	>100,≤150	>150,≤200	>200,≤250
S275JR	275	265	255	245	235	225	215	-



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S275J0	275	265	255	245	235	225	215	-
S275J2	275	265	255	245	235	225	215	195

Material	Minimum percentage elongation after fracture %										
	L0=80mm Normal thickness mm					L0=5.65 √ S0 mm Normal thickness mm					
	≤1	>1,≤0.5	>1.5,≤2	>2,≤5	>2.5,≤3	≥3,≤40	>40,≤63	>63,≤100	>100,≤150	>150,≤250	>250,≤400
S275JR	15	16	17	18	19	23	22	21	19	18	17 (I and t)
S275J0	14	15	16	17	18	22	21	20			
S275J2	13	14	15	16	17	21	20	19			

Material	Minmum energy (J) Normal thickness mm			
	Temperature	≤150	>150,≤250	>250,≤400
	S275JR	20	27	27
S275J0	0	27	27	-
S275J2	-20	27	27	27

S275JR/J0/J2 H Beam Features:

EN10025 S275JR/J2/J0 H Beam is a kind of low alloy high strength structural steel, with good plasticity, welding performance, impact toughness, and low cold and hot processing performance. Moderate temperature performance is also very good, also there is a certain corrosion resistance. EN10025 S275JR/J2/J0 H Beam can be used in the production of stamping parts, building structures, medium and low pressure chemical containers and low pressure boiler steam drum, sheet metal stamping parts, oil pipelines, storage tanks and the requirements of the project that on the low temperature.



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We are a trusted and reliable brand for our high quality and good manufacturing of EN10025 S275JR/J2/J0 H Beam .Our company has been a manufacturer and exporter of EN10025 S275JR/J2/J0 H Beam for decades, and has been sold all over the world with favorable price. As a responsible enterprise, we always stick to be your satisfying partner.

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