



S355JR/J2/J0 H Beam

S355JR/J2/J0 H beam is divided into ordinary S355JR/J2/J0 H beam and high quality S355JR/J2/J0 H beam according to the different quality of steel smelting. Ordinary S355JR/J2/J0 H beam is divided into large type steel, medium-sized steel, small type steel according to the current metal products catalog. Ordinary S355JR/J2/J0 H beam also can be divided into steel, channel steel, angle steel, H steel, round steel according to the section shape.

If steel structure use hot-rolled S355JR/J2/J0 H beam, steel structure will have scientific and reasonable structure, good flexibility and plasticity, high structure stability, and suitable for bearing vibration and impact load of building structure, strong ability to resist natural disasters, especially suitable for some building structures with the earthquake.

S355JR/J0/J2 H Beam Chemical Composition

Material	C% max			Si %	Mn %	P %	S %	N %	Cu %	Other %
	≤16	>16,≤40	>40	max	max	max	max	max	max	max
S355JR	0.24	0.24	0.24	0.55	1.60	0.035	0.035	0.012	0.55	—
S355J0	0.20	0.20	0.22	0.55	1.60	0.030	0.030	0.012	0.55	—
S355J2	0.20	0.20	0.22	0.55	1.60	0.025	0.025	—	0.55	—

S355JR/J0/J2 H Beam Mechanical Properties:

Material	Tensile strength Mpa				
	Normal thickness mm				
	≤3	>3,≤100	>100,≤150	>150,≤250	>250,≤400
S355JR	510-680	470-630	450-600	450-600	—
S355J0	510-680	470-630	450-600	450-600	—
S355J2	510-680	470-630	450-600	450-600	450-600



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Material	Minimum yield strength Mpa							
	Normal thickness mm							
	≤16	>16,≤40	>40,≤63	>63,≤80	>80,≤100	>100,≤150	>150,≤200	>200,≤250
S355JR	355	345	335	325	315	295	285	275
S355J0	355	345	335	325	315	295	285	275
S355J2	355	345	335	325	315	295	285	275

Material	Minimum elongation percentage after fracture %										
	L0=80mm Normal thickness mm					L0=5.65 √ S0 mm Normal thickness mm					
	≤1	>1,≤0.5	>1.5,≤2	>2,≤2.5	>2.5,≤3	≥3,≤40	>40,≤63	>63,≤100	>100,≤150	>150,≤250	>250,≤400
S355JR	14	15	16	17	18	22	21	20	18	17	
S355J0											
S355J2											17 (I and t)

Material	Minimum energy (J) Normal thickness mm			
	Temperature	≤150	>150,≤250	>250,≤400
S355JR	20	27	27	—
S355J0	0	27	27	—
S355J2	-20	27	27	27

S355JR/J0/J2 H Beam Advantages:

Compared with the H type steel welding, S355JR/J2/J0 H beam can significantly save labor and materials, reduce raw material, energy and labor consumption, low residual



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stress, good surface appearance and quality. Then, S355JR/J2/J0 H beam is not only easy to mechanical processing, structural connection and installation, but also easy to dismantle and reuse.

Shanghai Katalor Enterprises has been supported oversea shipbuilding project, Oil or Gas project and constructing big infrastructural projects oversea since 2000. We exported S355JR/J2/J0 H beam to Saudi Arabia, Iran, Iraq, United Arab Emirates, Qatar, Bahrain, Oman, Kuwait, Turkey, Egypt, Yemen , Syria, Israel, Jordan, Cyprus, Singapore, Malaysia, Indonesia, Thailand, Vietnam, South Korea and so on. If you have any needs of S355JR/J2/J0 H beam, please do not hesitate to contact us by email info@katalor.com, we can do our best to help you!