



**EN10025 S235JR/J2/J0 H Beam**

EN10025 S235JR/J2/J0 H Beam is the European standard of non alloy structural steel, EN10025 S235JR/J2/J0 H Beam is equivalent to the national standard of Q235B that is low carbon structural steel. EN10025 S235JR/J2/J0 H Beam has good plasticity, toughness, welding, cold stamping properties and a certain strength, good cold bending properties, and low temperature performance is not very good (impact test is 20. EN10025 S235JR/J2/J0 H Beam is widely used in general requirements of parts and welded structure parts.

**S235JR/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
S235JR	0.19	0.19	0.23	-	1.50	0.045	0.045	0.014	0.60	-
S235J0	0.19	0.19	0.19	-	1.50	0.040	0.040	0.014	0.60	-
S235J2	0.19	0.19	0.19	-	1.50	0.035	0.035	-	0.60	-

Material	Tensile strength Mpa				
	Normal thickness mm				
	≤3	>3,≤100	>100,≤150	>150,≤250	>250,≤400
S235JR	360-510	360-510	350-500	340-490	-
S235J0	360-510	360-510	350-500	340-490	-
S235J2	360-510	360-510	350-500	340-490	330-480

**S235JR/J0/J2 H Beam Mechanical Properties:**

Material	Minimum yield strength Mpa
	Normal thickness mm



**SHANGHAI KATALOR ENTERPRISES CO., LTD.**

**Tel:0086-21-61182423 Website:www.katalor.com**

	≤16	>16,≤40	>40,≤63	>63,≤80	>80,≤100	>100,≤150	>150,≤200	>200,≤250	>250,≤400
S235JR	235	225	215	215	215	195	185	175	
S235J0	235	225	215	215	215	195	185	175	
S235J2	235	225	215	215	215	195	185	175	165

Material	Minimum elongation percentage after fracture Mpa %										
	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
S235JR	17	18	19	20	21	26	25	24	22	21	
S235J0	16	17	18	19	20	25	24	23			
S235J2	15	16	17	18	19	24	23	22			21 (I and t)

Material	Minimum energy (J) Normal thickness mm			
	Temperature	≤150	>150,≤250	>250,≤400
	S235JR	20	27	27
S235J0	0	27	27	—
S235J2	-20	27	27	27

**EN10025 S235JR/J2/J0 H Beam Special Uses:**

EN10025 S235JR/J2/J0 H Beam is widely used for welding, bolt connection, riveting structure. EN10025 S235JR/J2/J0 H Beam is also mainly used in buildings, bridges, ships, vehicle structure, manufacturing tools, cutting tools, moulds and tools.



## **SHANGHAI KATALOR ENTERPRISES CO., LTD.**

**Tel:0086-21-61182423    Website:www.katalor.com**

---

Shanghai Katalor Enterprises Co., Ltd is a big complex combined steel stockist whose business related with trade, processing, storage and transportation. we are specialized in supplying EN10025 S235JR/J2/J0 H Beam. We have the good quality and advanced equipment, our products meet the state standard, and also available for customers' requirement. If you have any needs of EN10025 S235JR/J2/J0 H Beam please do not hesitate to contact us by email [info@katalor.com](mailto:info@katalor.com), we can do our best to help you!