

GJ-HB-SS400

Hot Rolled H Beam

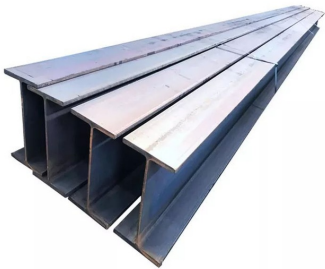
Grade: SS400

JIS G3192-2014 | JIS G3101-2010 | ASTM A36 equivalent

HOT ROLLED H BEAM (JIS STANDARD)

PRODUCT DESCRIPTION

Hot rolled H beam SS400 is a Japanese Industrial Standard general structural steel grade, equivalent to ASTM A36 and GB Q235B. It is the most commonly used structural steel in Japanese and Southeast Asian construction markets. The grade offers good balance of strength, ductility and weldability, with well-established supply chains and certification for JIS-compliant projects.



KEY FEATURES

- > JIS G3192 dimensional standard with tight tolerance control
- > Good weldability and machinability for general fabrication
- > Proven performance in seismic design applications
- > Available in wide flange (H) and narrow flange (I) series
- > Mill test certificates per JIS G0801 with full traceability

TYPICAL APPLICATIONS

- > Building and construction per Japanese architectural standards
- > Industrial facilities and warehouse structures in SE Asia
- > Mechanical equipment frames and machine bases
- > Temporary structures and formwork supports
- > Export projects requiring JIS certification

CHEMICAL COMPOSITION (wt %)

C	Si	Mn	P	S
<=0.23	<=0.35	<=1.40	<=0.045	<=0.045

MECHANICAL PROPERTIES

Thickness (mm)	Yield >=MPa	Tensile MPa	Elong >=%
<=16	245	400-510	21
>16-40	235	400-510	20
>40	215	400-510	19

DIMENSIONS & SPECIFICATIONS

Designation HxB	Web tw	Flange tf	Weight kg/m
100x100	6.0	8.0	17.2
150x150	7.0	10.0	31.9
200x200	8.0	12.0	50.5
250x250	9.0	14.0	72.4
300x300	10.0	15.0	94.5
350x350	12.0	19.0	137.0
400x400	13.0	21.0	172.0

PACKAGING & SHIPPING

Standard export packing: steel strapping bundles, waterproof wrapping, end protectors. Container loading: 20-25 tons per 40ft HC (length <=12m requires open top or flat rack).