



汇合热轧型钢产品说明书

MASTEEL HOT ROLLED SECTION STEEL
PRODUCT MANUAL

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无锡汇合金属科技有限公司
Wuxi Hulhe Metal Technology Co., Ltd

二零二五年三月

汇合简介

PROFILE OF HUIHE STEEL

专业、专注、共创未来

Professional Focus Mutual Future



无锡汇合金属科技有限公司主营：外标H型钢、外标槽钢、外标工字钢、外标角钢、国际型材、外标钢板、外标钢管等材料。公司所经营的管材规模大、品种全、价格合理。

公司是一家集销售、运输于一体的大型钢铁销售企业。公司代理、莱钢、日照、津西、长治、马钢、鞍钢、兴华等等国内各大钢厂的产品，所经营产品全部为一手货源，无任何周转环节，公司以客户和市场为导向，为相关行业提供优质材料，最新应用技术及全面的售后服务。

公司坚持以市场为导向、以西部大开发为契机、以发展为动力、以“诚实守信、实现双赢”为经营管理理念、以“客户至上、勤勉尽责”为服务宗旨，竭诚为广大客户服务。

长期以来我公司重合同守信用，深受广大客户的支持和信赖，在无锡钢材行业的取得了良好的声誉。

经营理念：诚信立业，客户至上，激发全体人员的最大潜能，为每一位客户提供最优质的产品与服务，以此实现我们的价值。

战略思想：走专业文化，规范化，规模化，国际化发展道路，创建百年基业。

质量方针：以顾客为中心，创国际知名产品。

公司一贯以服务周到、质量过关、价格合理、客户至上、让利客户、薄利多销为原则，同样的价格比质量，同样的质量比服务！

诚信铸就品质，品质铸造未来！

Wuxi Huhe Metal Technology Co., Ltd. mainly deals in: external standard H-beams, external standard channel sections, external standard I-beams, external standard angle sections, international Profiles, external standard steel plates, external standard steel pipes, etc. The company offers a wide range of pipe products with large scale, complete varieties and reasonable prices. This company is a large-scale steel sales enterprise integrating sales and transportation. It acts as an agent for products from major domestic steel mills such as Ligang, Rizhao, Jinxiexi, Changzhi, Ma'anshan, Ansteel, Xinghua, etc.

All the products it operates are sourced directly from the mills without any intermediate circulation. The company is customer-oriented and market-driven, providing high-quality materials, the latest application technologies and comprehensive after-sales services to related industries.

The company adheres to the principle of being market-oriented, taking the Western Development as an opportunity, taking development as the driving force, and taking the management concept of "honesty and trustworthiness, achieving win-win results" and the service tenet of "customer first, diligent and responsible" as its foundation. It is dedicated to serving the customers at large.

For a long time, our company has been committed to honoring contracts and keeping promises, and has received strong support and trust from our customers. We have gained a good reputation in the steel industry of Wuxi.

Business philosophy: Build a business based on integrity, prioritize customers, stimulate the maximum potential of all personnel, provide the best products and services to each customer, and thereby realize our value.

Strategic Thought: Follow the development path of professional culture, standardization, scale expansion and internationalization, and create a century-old enterprise foundation.

Quality Policy: Centered on customers, create internationally renowned products.

The company has always adhered to the principles of providing meticulous service, ensuring quality, offering reasonable prices, prioritizing customers, giving discounts to customers, and achieving high sales with low prices. Price is compared with quality, and quality is compared with service!

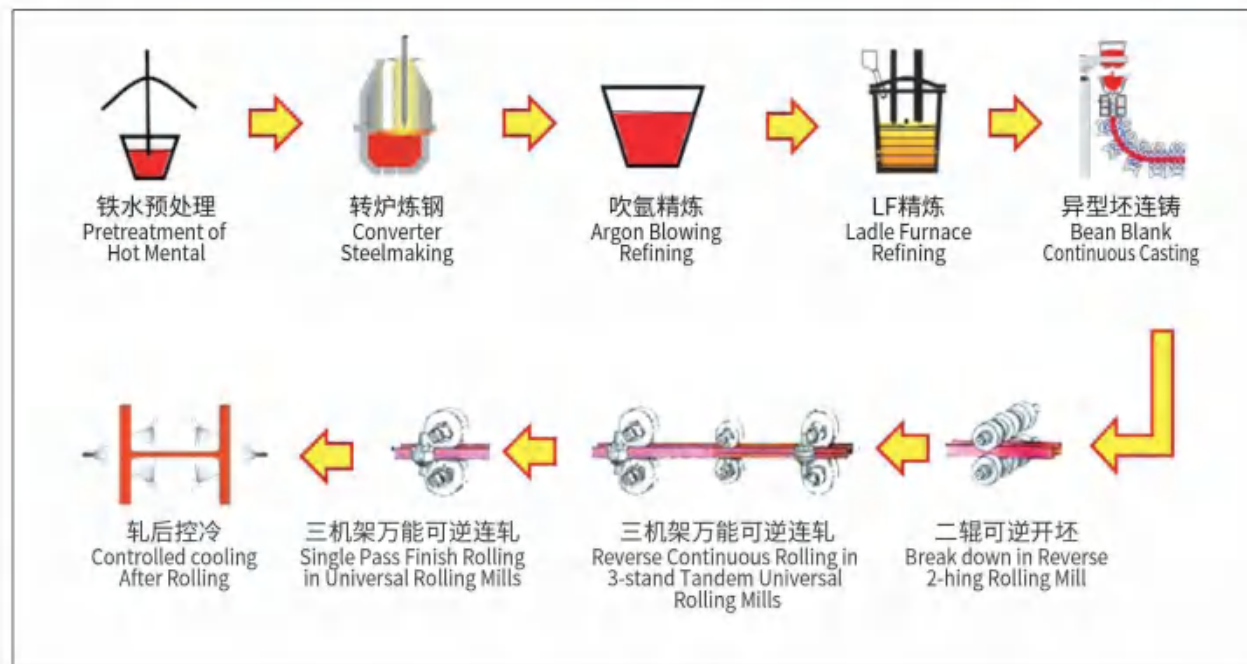
Honesty builds quality, and quality shapes the future!

大H型钢生产线

Large H-beam production line

该生产线由德国曼内斯曼·德马克公司、西门子公司和美国依太姆公司提供技术和主要设备,采用先进的近终形异型坯连铸技术和“万能—轧边—万能”轧线布置及串列轧制新工艺、万能初轧机组串列轧制小张力控制技术。目前H型钢产品规格范围200~800mm,产能110万t/a。

This production line whose technology and main equipments provided from MANNESMANN DEMAG, SIEMENS and American ITAM uses advanced near-net-shape beam blank continuous casting technology and “universal - edging universal” rolling line arrangement and tandem rolling new technology, universal roughing mill group of small tension control technology of tandem rolling. The size range of H-beam covers 200~800mm, its capacity is 1.1 million tons one year.



大H型钢生产线示意图

The large H-beam production line schematic



异形坯连铸
Shaped blank casting



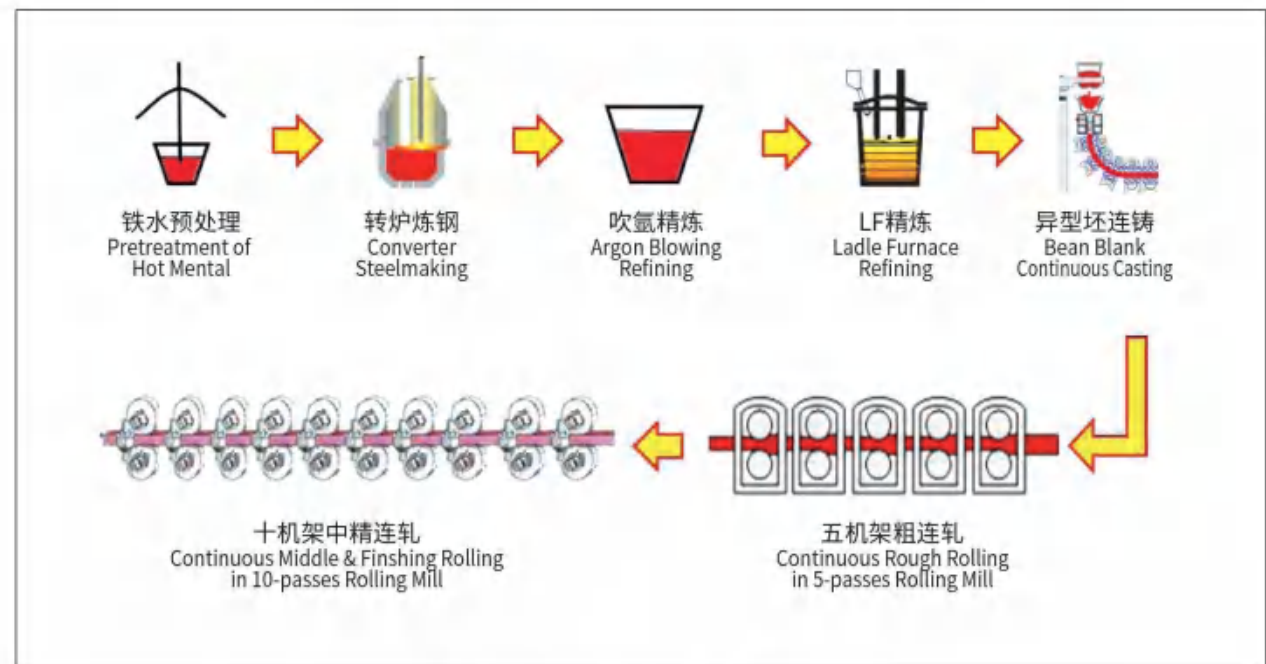
可逆式轧制
Reversible rolling

小H型钢生产线

Small H-beam production line

该线是我国最先进的中小型热轧轻型薄壁H型钢全连续轧制生产线,采用方坯或近终形异形连铸坯。目前H型钢产品规格范围100~400mm,年产能60万吨。

This line is China's first international most advanced small and medium-sized continuous rolling production line of hot rolled light and thin-wall H-beam. This H-beam production line uses square billet or near-net-shape continuous casting beam blank. The current H-beam product specification range is 100 ~ 400 mm, its designed capacity is 600 thousand tons one year.



小H型钢生产线工艺流程示意图

The small H-beam production line schematic



五机架连轧开坯
Five-frame tandem rolling



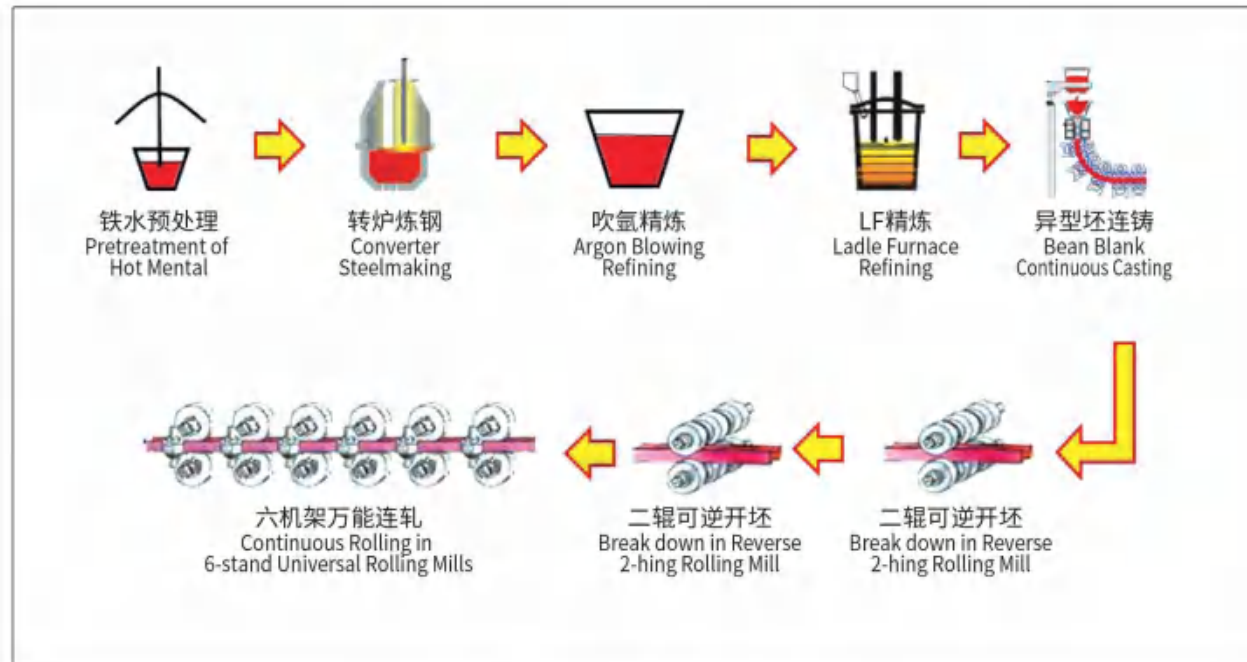
十机架连轧
Ten-frame rolling

中型型钢生产线

Light H-beam production line

该生产线采用方坯或近终型异形连续铸坯,设计年生产能力为60万吨,其中槽钢34万吨,角钢16万吨,其它型钢10万吨。H型钢产品规格范围100~250mm,槽钢100~250mm,角钢90~180mm。

This production line uses square billet or near-net-shape continuous casting beam blank, its designed capacity is 600 thousand tons one year, of which channel steel 340 thousand tons, angle 160 thousand tons and other types of steel 100 thousand tons. H-beam product specifications range of 100 ~ 250mm, channel 100 ~ 250mm, angle 90 ~ 180mm.



大H型钢生产线示意图
The large H-beam production line schematic



矿用U型钢
U-beam for mining



工字钢
I-beam



角钢
Angle steel



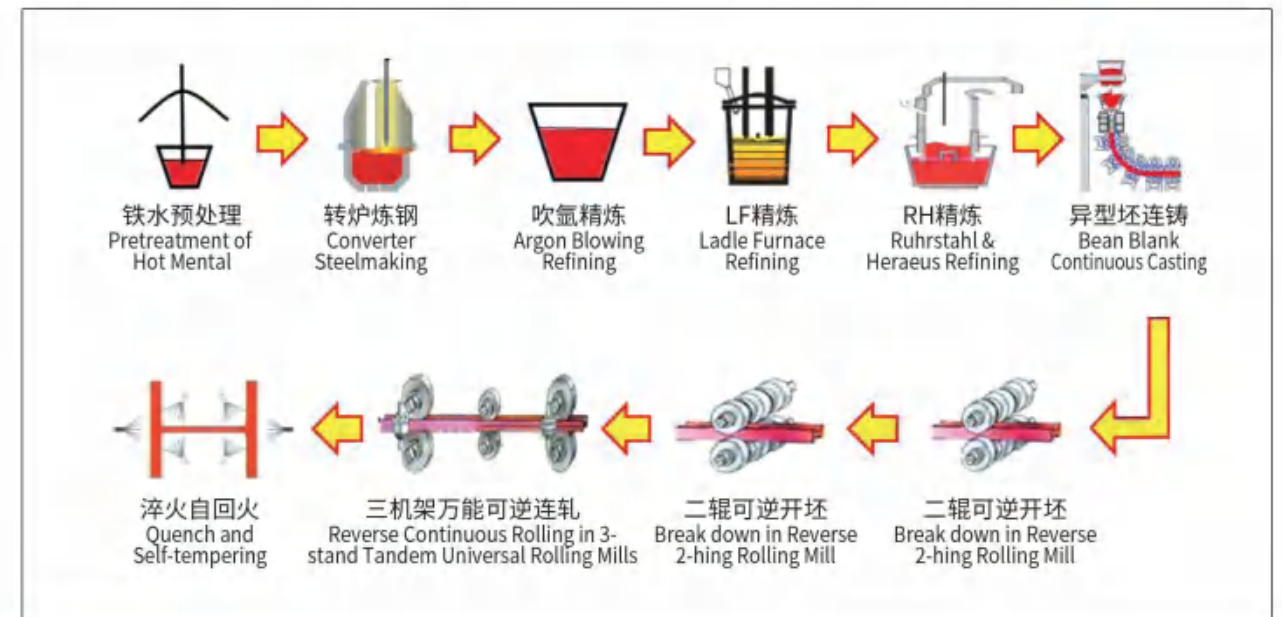
槽钢
Channel steel

重型H型钢生产线

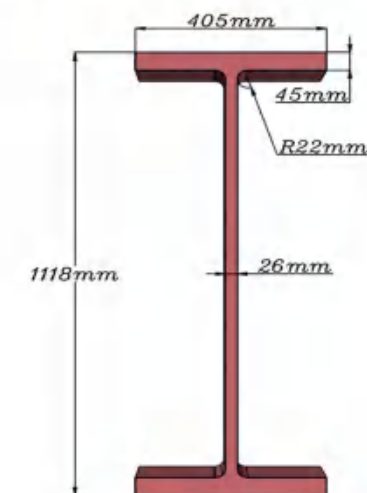
Jumbo H-beam Production Line

马钢重型热轧H型钢生产线采用1-1-3轧机布置形式,即2架BD机和1架UR-E-UF串联轧机,以及大型门式矫直机,采用近终形异型坯连铸、串列式万能连轧微张力控制、QST等先进工艺和技术。关键工艺技术和轧线主要设备由国外公司引进,全线计算机自动控制,具有当代国际先进水平,设计年产能80万吨。

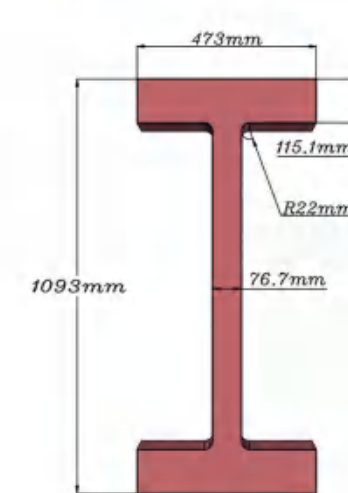
The 1-1-3 rolling mill layout with 2 BD mill and UR-E-UR tandem mill and large door-type straightener apply to Masteel jumbo hot-rolled H-beam production line. Advanced process and technology such as near-net-shape beam blank continuous casting technology, micro tension control technology of tandem universal rolling mills and QST technology is applied to the line. The key technology and equipment in which adopts automatic computer control system is introduced from foreign. The line with advanced level in contemporary international has design annual production capacity of 80,000 tons.



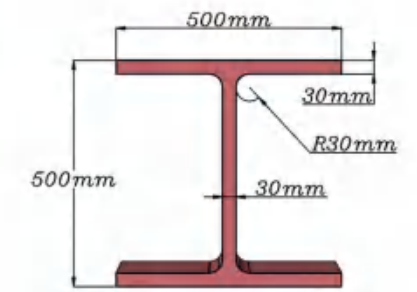
极限规格产品 Extreme specification products



腹板最高
Maximum web



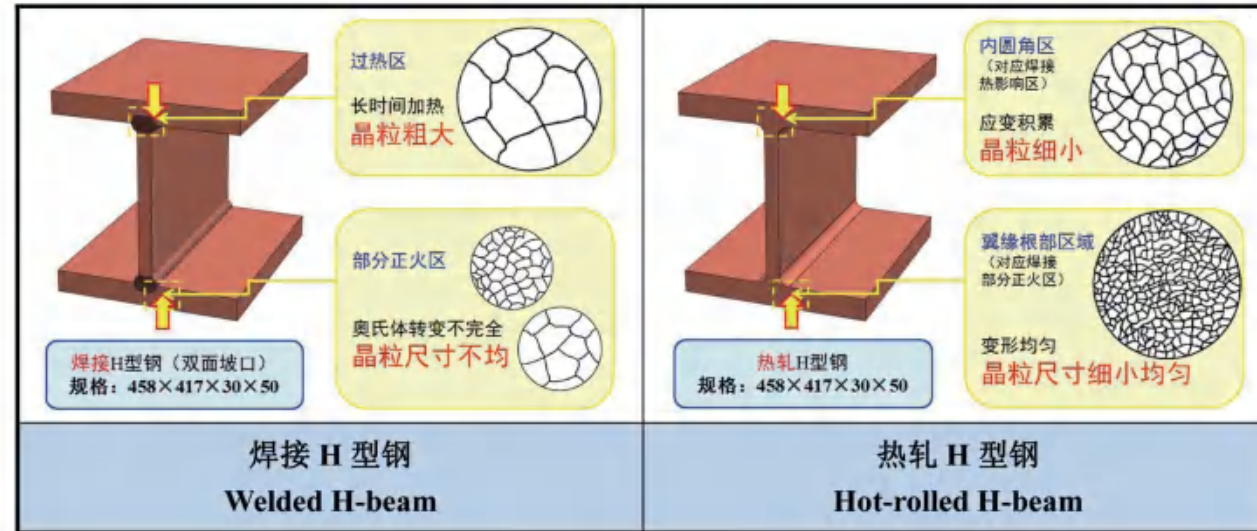
翼缘最厚
The thickest flange



翼缘最宽
The widest flange

焊接H型钢与热轧H型钢内圆角区域显微组织对比

Comparison of microstructure in the inside filleted area between welded H-beam and hot-rolled H-beam

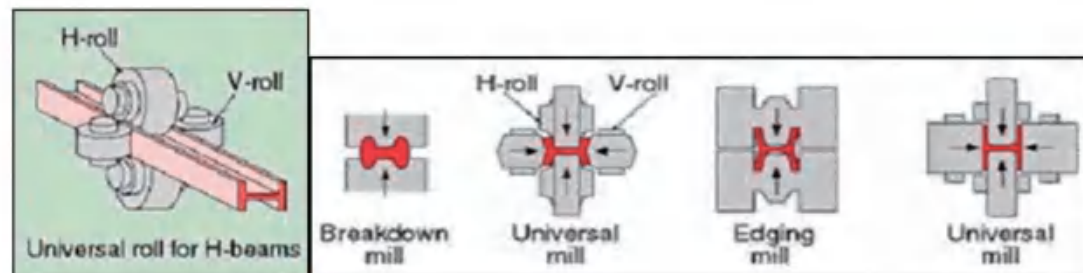
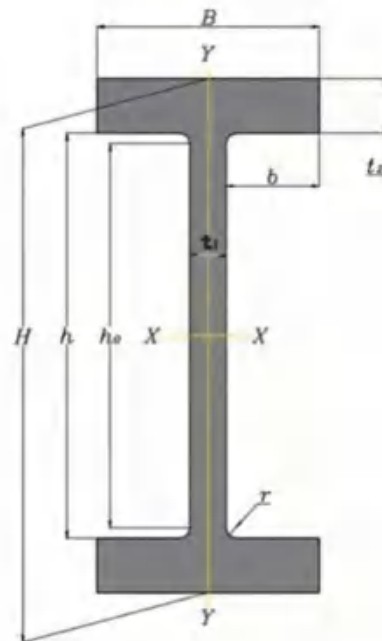
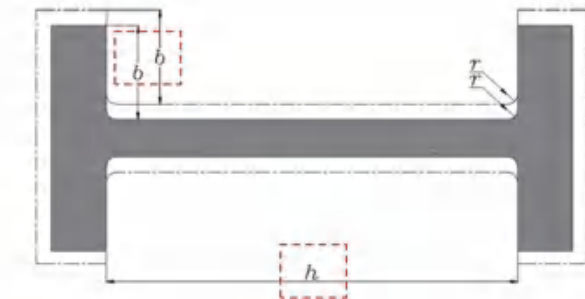


热轧H型钢设计原则

Design principle of hot rolled H-beam

热轧H型钢规格表述为: $H \times B \times t_1 \times t_2$, 其中高度: $H = h + 2 \times t_2$, 其中宽度: $B = 2 \times b + t_1$, 且要满足条件: $1.0 \leq t_2/t_1 \leq 2.0$

The specification of hot-rolled H-beam is: $H \times B \times t_1 \times t_2$, in which the height is h , $H = h + 2 \times t_2$, and the width is $B = 2 \times b + t_1$, and the condition is $1.0 \leq t_2/t_1 \leq 2.0$



基于现有辊系, 保持h值和b值不变, 通过调整t1值和t2值, H值和B值联动生产, 设计出新规格, 例如H1000×300系列规格热轧H型钢采用同一套辊系生产。

Based on the existing roll system, keeping h value and b value unchanged, through adjusting t1 value and t2 value, H value and B value linkage production, new specifications are designed. For example, H1000×300 series hot rolled H-beam is produced by the same set of roll system.

规格	高度 H	宽度 B	腹板厚度 t_1	翼缘厚度 t_2	圆角半径 r	h	b
-	联动	联动	设计	设计	-	不变	不变
H970×297×16×21	970	297	16	21	18	928	140.5
H980×298×17×26	980	298	17	26	18	928	140.5
H990×298×17×31	990	298	17	31	18	928	140.5
H1000×300×19×36	1000	300	19	36	18	928	140.5
H1008×302×21×40	1008	302	21	40	18	928	140.5



油气及海工结构用热轧型钢

The hot-rolled H-beam for oil & gas and ocean engineering structure

可供牌号、类别及用途

Available grades, categories and uses

标准	牌号 Grade	产品类别 Product Category	产品特点及用途 Features and Uses
Q/MGB 455-2015	SM400B、SM490B SM490YB、Q355D		特点：通过德国劳氏船级社、中国船级社认证，除满足JIS G3106标准要求外，低温韧性附加要求满足美国石油协会API RP2A II类钢材的要求，另外H型钢要求逐根按JIS G0901标准探伤。 Characteristic: Products are authenticated by Germanischer Lloyd and China Classification Society. Besides meeting the requirements of JIS G3106, low temperature toughness meets the requirements of American Petroleum Institute API RP2A steel. In addition, each H-beam is tested according to JIS G0901 standard. 用途：制作海洋石油钻井平台。 Application: It's mainly been used for offshore oil drilling platform.
Nabors X钻机项目用Q345E热轧H型钢技术协议（四川宏华石油设备有限公司） Nabors X drill project with Q345E hot-rolled H-beam technical agreement(Sichuan honghua petroleum equipment co.,LTD.)	Q345EJ、Q345EJ-T1	H型钢 H-beam 角钢 Angle steel 槽钢 Channel steel	特点：高酸溶铝要求，延伸、冲击检测执行美标ASTM A370，具有优异的强韧性和可焊性 Characteristic: high acid soluble, extension, impact test execution American standard ASTM A370, excellent toughness and weldability. 用途：制作石油钻机机架。 Application: to make offshore oil drilling platform.
GB 712*	A、B、D、E AH32、DH32、EH32、FH32 AH36、DH36、EH36、FH36 AH40、DH40、EH40、FH40		
GB/T 1591*	Q355ME、Q390D、Q390ME、 Q420C、Q420MD、Q420ME、 Q460ME、Q500ME		特点：具有优异的强韧性和可焊性，可附加厚度方向性能要求。 Characteristic: excellent toughness and weldability, additional thickness direction performance requirements.
EN10025-3*	S275NL、S355NL		
EN 10025-4*	S275M、S355M、S420M S275ML、S355ML、S420ML		
EN 10225*	S355G11+N/M、S355G12+N/M、 S420G3+M、S420G4+M		用途：制造远洋、沿海和内河航区航行船舶、渔船及海洋工程结构和承载部件。 Application: to make ocean, coastal and inland area ships, fishing boat and ocean engineering structure and bearing parts.
GOST 27772*	C275、C285、C345、 C345K、C375		
ASTM A131/131M*	A、B、D、E AH32、DH32、EH32、FH32 AH36、DH36、EH36、FH36 AH40、DH40、EH40、FH40		

注：* 标准中相应牌号产品的力学性能查阅第2章产品的力学性能。

Note: * The mechanical properties of the corresponding grade products in the standard refer to Chapter 2 of the mechanical properties of the product.

力学性能

Mechanical properties

Q/MGB 455-2015海洋石油平台用热轧H型钢

Q/MGB 455-2015 Hot rolling H section steel for offshore oil drilling platform

牌号 Grade	屈服强度 Yield Strength (MPa)	抗拉强度 Tensile strength (MPa)	断后伸长率 Elongation (%)	-20°C横向冲击功KV2 -20°C the transverse impact toughness energy (J)
SM400B	≥245 (>5~16mm) ≥235 (>16~40mm)	400~520	≥18 (>5~16mm) ≥22 (>16~40mm)	≥20
SM490B	≥325 (>5~16mm) ≥315 (>16~40mm)	490~610	≥17 (>5~16mm) ≥21 (>16~40mm)	≥34
SM490YB	≥365 (>5~16mm) ≥355 (>16~40mm)	490~610	≥15 (>5~16mm) ≥19 (>16~40mm)	≥34
Q355D	≥355 (>5~16mm) ≥345 (>16~40mm)	470~630	≥21	≥34

Nabors X钻机项目用Q345E热轧H型钢技术协议

Nabors X drill project with Q345E hot-rolled H-beam technical agreement

牌号 Grade	屈服强度 Yield Strength (MPa)	抗拉强度 Tensile strength (MPa)	断后伸长率 Elongation (%)	纵向冲击韧性 The longitudinal impact toughness KV8 (J)	冷弯 Cold bending
Q345EJ	≥345(≤16mm) ≥335(>16mm)	470~630	≥21(A50mm) ≥18(A200mm)	-45°C ≥34	D=2a (t≤16mm) D=3a (t>16mm)
Q345EJ-T1	≥345(≤16mm) ≥335(>16mm)	470~630	≥21(A50mm) ≥18(A200mm)	-40°C ≥34	

海工用钢的其他牌号

Other Grade for oil & gas and ocean engineering structure

标准 Standard	牌号 Grade	屈服强度 Yield Strength (MPa)	抗拉强度 Tensile strength (MPa)	断后伸长率 Elongation (%)	冲击功KV2 Impact toughness energy (J)
EN 10025-3	S275NL	≥275	370~510	≥24	-40°C ≥31
	S355NL	≥355	470~630	≥22	-40°C ≥31
EN 10225	S355G11+M	≥355	460~620	≥22	-40°C ≥50
	S355G11+N				-40°C ≥50*
	S355G12+M				
	S355G12+N	≥420	500~690	≥19	-40°C 60
	S420G3+M				-40°C 60*
S420G4+M					

注：* 横向V型冲击。

Note: * Transverse Charpy V-Notch impact test.

业绩实例

The instance of Results

本产品已大量应用于SZ36-1、QHD32-6、文昌13-1/2、蓬莱19-3、东方1-1、湛江17-2等海洋石油平台建造项目及石油钻井机械。

This product has been widely used in SZ36-1, QHD32-6, Wenchang13-1/2, Penglai19-3, Dongfang1-1 and Zhanjiang offshore oil platform construction project and Oil drilling machinery.



SZ36-1



WC13-1/2



QHD32-6



PL19-3



ZJ17-2



DF1-1



Aurora drilling machine



Yamal-LNG

桥梁领域

Bridge field

标准 Standard	牌号 Grade	产品类别 Product Category	产品特点及用途 Features and Uses
GB/T 1591	Q345D、Q345E、Q420D、Q460E	H型钢 H-beam 角钢 Angle steel 槽钢 Channel steel	特点：具有较高的强度、韧性以及承受机车车辆的载荷和冲击，且有良好的抗疲劳性、低温韧性、耐大气腐蚀性以及良好的焊接性能和低的缺口敏感性。 Characteristic: It has high strength, toughness and can withstand the load and impact of rolling stock, and has good fatigue resistance, low temperature toughness, atmospheric corrosion resistance, good welding performance and low notch sensitivity. 用途：主要应用于架造铁路或公路桥梁等。 Application: Mainly used for building railways or highway bridges.
GB/T714	Q345q (C、D、E)、Q370q (C、D、E)、Q420q (C、D、E)、Q460 (C、D、E)		
JIS G3101	SS400、SS490、SS540		
JIS G3136	SN490B、SN490C		
JIS G3106	SM400C、SM490A、SM490C、SM490YA、SM520B、SM520C、SM570		
EN 10025-3	S275 (N、NL)、S355 (N、NL)、S420 (N、NL)		
EN 10025-4	S275 (M、ML)、S355 (M、ML)、S420 (M、ML)、S460 (M、ML)		
ASTM A709/709M	50 [345]、50S [345S]、50W [345W]、HPS 50W [HPS 345W]、HPS 70W [HPS 485W]、HPS 100W [HPS690W]		

产品应用实例

Product application examples



产品应用领域 Product application field

汽车大梁用热轧H型钢

The hot-rolled H-beam for automobile frames

可供牌号、类别及用途

Available grades, categories and uses

牌号 Grade	规格 Specification	供货标准 Delivery Standard	产品特点及用途 Features and Uses
MGL470B	196×149×6.3×10 300×150×6.5×9 446×150×7×12 446×199×8×12 473×151×7×10	MTS50007-2012-02 MTS50011-2013-01 技术协议 Technology agreement	高强度、严格的尺寸偏差和弯曲度要求，主要用于制作半挂车、集装箱拖车和低温槽车大梁。 High strength, strict dimensional deviation and curvature requirements, mainly for the production of semitrailer, container trailers and cryogenic tankers' beams.
MGL510C	491×146×7×11.5 492×150×7×12 504×153×10×18 251×101×4.8×5.3		
A572 (Gr50)	W10×12、W12×14、W12×16 W12×19、W12×22		
A572 (Gr65)	133×102×6×12 210×134×6×10		
A656 (Gr80)	102×102×8×12 102×102×8×16		
			轻型高强热轧H型钢，具有较严的尺寸偏差和良好的表面质量要求。主要用于各类半挂车（包括平板、箱式、罐式等）、专用车车架纵梁。 Light-weight high-strength hot-rolled H-beam with strict dimensional deviation and good surface quality requirements. Mainly used for all kinds of semi-trailers (including flat, box, tank, etc.), special-purpose frame frame longitudinal beams.

力学性能和工艺性能

Mechanical and technological properties

牌号 Grade	屈服强度/MPa Yield Strength/MPa		抗拉强度 Rm/MPa Tensile strength Rm/MPa	伸长率 A /% Elongation A /%	纵向冲击功 Longitudinal impact energy		180°冷弯试验 180° cold bending test
	R _{el}	R _{oH}			温度°C Temperature °C	KV2/J	
MGL470B	≥345	-	470~630	≥21	常温 Normal temperature	≥34	d=2a
MGL510C	≥400	-	510~660	≥19	0	≥34	d=2a
A572 (Gr50)	≥345	-	≥450	≥18	-	-	-
A572 (Gr65)	≥450	-	≥550	≥15	-	-	-
A656 (Gr80)	≥550	-	≥660	≥12	-	-	-

产品应用实例

Product applications



高层建筑领域

High-rise building field

标准 Standard	牌号 Grade	产品类别 Product Category	产品特点及用途 Features and Uses
GB/T 1591	Q355 (B、C、D)、Q390 (B、C、D) Q420 (B、C)、Q460C	H型钢 H-beam	特点: 具有优异焊接、抗震、抗低温冲击等性能, 可附加厚度方向性能要求Z15、Z25、Z35。 Characteristic: It has excellent welding, shock resistance, low temperature impact resistance, etc., and can add thickness direction performance requirements Z15/Z25、Z35.
GB/T 19879	Q345GJ (C、D、E)、Q390GJ (C、D、E) Q420GJ (C、D、E)、Q460GJ (C、D、E)		
JIS G3136	SN400 (A、B、C)、SN490 (B、C)	角钢 Angle steel	用途: 主要应用于高层建筑、超高层建筑、大跨度体育场馆、机场、会展中心以及钢结构厂房等大型建筑工程的支柱和承重梁等。 Application: It is mainly used in the pillars and load-bearing beams of large-scale construction projects such as high-rise buildings, super high-rise buildings, large-span stadiums, airports, convention centers and steel structures.
EN 10025-2	S235JR/0、S275JR/0/2、S355JR/0/2、 S355K2、S450J0	槽钢 Channel steel	
EN 10025-4	S275 (M、ML)、S355 (M、ML) S420 (M、ML)、S460 (M、ML)		
GOST 27772	C235~C375、C345K		
GOST 19281	C265~C440		
ASTM A572/A572M	A572(Gr50)、A572(Gr55)、A572(Gr60)、 A572(Gr65)		

产品应用实例

Product application examples



锅炉钢结构领域

Boiler steel structure field

标准 Standard	牌号 Grade	产品类别 Product Category	产品特点及用途 Features and Uses
GB/T 1591	Q355B/NB、Q390B/NB、Q420B/NB、Q460B/NB	H型钢 H-beam	特点: 具有较高的韧性抗冲击性能, 且有良好的抗疲劳性、低温韧性、耐大气腐蚀性以及良好的焊接性能。 Characteristic: High toughness and impact resistance, good fatigue resistance, low temperature toughness, atmospheric corrosion resistance and good weldability.
GB/T 700	Q235B		
JIS G3101	SS400、SS490、SS540		
JIS G3136	SN400 (A、B、C)、SN490 (B、C)		
JIS G3106	SM400A、SM400B、SM400C、SM490A、 SM490B、SM490C、SM490YA、SM490YB、 SM520B、SM520C、SM570		
EN 10025-2	S235JR、S235J0、S235J2、S275JR、S275J0 S275J2、S355JR、S355J0、S355J2、S450J0		
GOST 27772	C275、C285、C345、C345K、C375、 C390、C390K、C440	角钢 Angle steel	
ASTM A992/992M	A992	槽钢 Channel steel	用途: 主要应用于锅炉钢架和锅炉刚性梁等。 Application: Mainly used in boiler steel frame and boiler rigid beam.
GOST 27772	C235~C375、C345K		
GOST 19281	C265~C440		

产品应用实例

Product application examples



叉车用型钢

The section steel for forklift truck

可供牌号、规格及用途

Available Grade, specification and uses

牌号 Grade	规格 Specification	供货标准 Delivery standard	产品特点及用途 Features and Uses
Q460E	H98~H130	YB/T4237-2010和用户供货技术条件 YB/T 4237-2010 and the user's technical delivery conditions	该产品对表面硬度、低温韧性、尺寸公差和形状偏差有较高的要求。主要用于制作叉车门架。 The product has high requirements for surface hardness, low temperature toughness, size tolerance and shape deviation. It's mainly used for the production of forklift portal.
MGC570C	C120~C220		
MGC490C	J120~J160		

力学性能和工艺性能

Mechanical and technological properties

牌号 Grade	屈服强度 ReL/MPa Yield Strength ReL/MPa	抗拉强度 Rm/MPa Tensile strength Rm/MPa	伸长率 A/% Elongation A/%	冲击功 Impact Energy		硬度HB Hardness HB	180°弯曲试验 180° cold bending test	
				试验温度°C Test temperature°C	KV2/J		≤16	>16~35
Q460E	≥440	≥550~720	≥17	-30	≥34	-	-	-
MGC570C	≥400	≥570	≥14	-5	≥27	≥170	d=2a	d=3a
MGC490C	≥335	≥490	≥16	0	≥34	≥140	d=2a	d=3a

产品应用实例

Product application examples



输电铁塔用角钢

Angle steel for transmission tower

可供牌号、规格及用途

Available Grade, specification and uses

牌号 Grade	规格 Specification	供货标准 Delivery standard	产品特点及用途 Features and Uses
Q235B	∠50~∠360	GB/T 700、GB/T 1591	国网标准角钢要求尺寸负偏差是GB/T706的角钢负偏差的50%，南网标准和国网大规格角钢要求尺寸偏差全为正偏差，同时表面质量要求较高。主要用于制作输电线路铁塔。 The negative deviation of national network standard size of angle steel is 50% of that in GB/T 706. South network standard steel and national network large angle steel require positive size deviation and high surface quality. Mainly used for the production of transmission line tower.
Q355B、Q355C			
Q420B、Q420C			
Q460B、Q460C			

可供牌号、规格及用途

Available Grade, specification and uses

牌号 Grade	屈服强度ReL (MPa) 对厚度, mm Yield StrengthReL (MPa) Thickness, mm		抗拉强度 Rm/MPa Tensile strength Rm/MPa	伸长率 A/% Elongation A/%	纵向冲击功 Longitudinal impact energy (20°C和0°C) KV2/J (20°C and 0°C) KV2/J	180°冷弯试验 180° cold bending test	
	≤16	>16~40				≤16	>16~40
Q235B	≥235	≥225	370~500	≥26	27	d=a	
Q355B/C	≥355	≥345	470~630	≥20	34	d=2a	d=3a
Q420B/C	≥420	≥410	520~680	≥19	34	d=2a	d=3a
Q460C	≥460	≥450	550~720	≥18	34	d=2a	d=3a

注：1. Q235B牌号屈服强度为ReH；
2. 国网大规格角钢抗拉强度无上限。
Note: 1. The Q235B yield strength is ReH;
2. The national network large angle steel's tensile strength has no upper limit.

产品应用实例

Product application examples

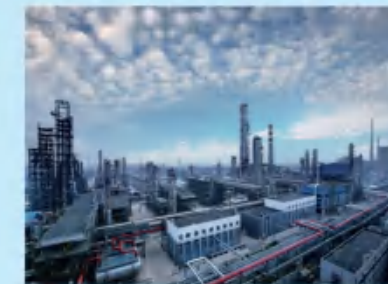


起草的型钢标准

Section steel standards drafted

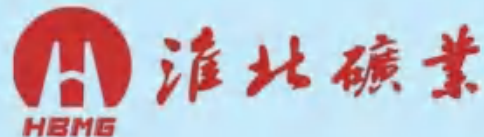


Engineering application examples

北京世纪坛
Beijing Century Monument澳门回归会馆
Macao Backing Hall国家大剧院
National Grand TheatreCCTV新台
New CCTV Building五棵松奥运篮球馆
Beijing Olympic Basketball Stadium福州师范大学学生公寓
Fuzhou Normal University student
apartments广西防城港 LNG
Guangxi Fangchenggang LNG金陵石化
Jinling Petrochemical上海地铁工程
Shanghai subway广州丫髻沙大桥
Guangzhou Yajisha Bridge港珠澳大桥
Hong Kong-Zhuhai-Macao Bridge高层建筑基坑支护
High-rise building foundation

合作伙伴

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中国石油海洋工程有限公司

CNPC OFFSHORE ENGINEERING COMPANY LIMITED

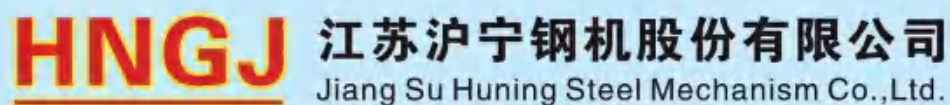
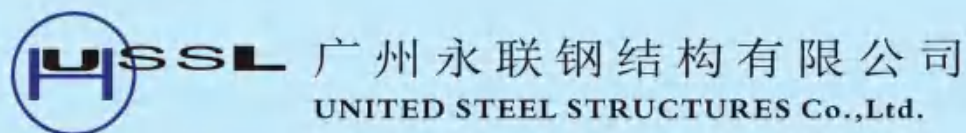
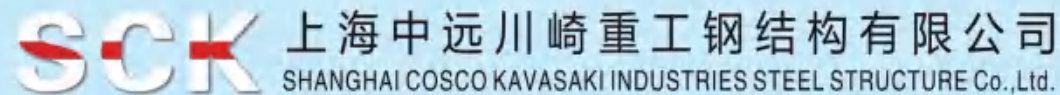


中国铁建



中国寰球工程公司

CHINA HUANQIU CONTRACTING & ENGINEERING CORPORATION



汇合热轧型钢规格表 Hui he hot-rolled section steel specifications table

重型热轧H型钢规格 Hot rolled heavy H section steel

汇合热轧H型钢产品 执行标准(规格) Hui he hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm						横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽度比 Flange width thickness ratio	腹板 宽度比 Web width thickness ratio	
	高度H Height	宽度B Breadth	腹板 厚度t _w Web thickness	翼缘 厚度t _f Flange thickness	圆角 半径r Fillet radius	内宽 B _w inside width					半腿 高bf Half leg height
YB/T 4832							cm ²	kg/m	B/t _f	(H-2r) /t _w	
H357×320×26×40	357	320	26	40	13.0	277.0	147.0	329.5	259.0	8.0	12.7
H373×324×30×48	373	324	30	48	13.0	277.0	147.0	395.6	311.0	6.8	11.6
H357×334×40×40	357	334	40	40	13.0	277.0	147.0	379.5	298.0	8.4	8.3
H377×344×50×50	377	344	50	50	13.0	277.0	147.0	484.0	380.0	6.9	7.0
H380×316×26×40	380	316	26	40	13.0	300.0	145.0	332.3	261.0	7.9	13.6
H396×320×30×48	396	320	30	48	13.0	300.0	145.0	398.7	313.0	6.7	12.3
H412×324×34×56	412	324	34	56	13.0	300.0	145.0	466.3	366.0	5.8	11.4
H389×328×34×56	389	328	34	56	13.0	277.0	147.0	463.0	363.0	5.9	10.7
H405×332×38×64	405	332	38	64	13.0	277.0	147.0	531.7	417.0	5.2	10.0
H421×336×42×72	421	336	42	72	13.0	277.0	147.0	601.6	472.0	4.7	9.4
H397×354×60×60	397	354	60	60	13.0	277.0	147.0	592.5	465.0	5.9	6.2
H417×364×70×70	417	364	70	70	13.0	277.0	147.0	705.0	553.0	5.2	5.6
H437×374×80×80	437	374	80	80	13.0	277.0	147.0	821.5	645.0	4.7	5.1
H400×402×26×40	400	402	26	40	13.0	320.0	188.0	406.3	319.0	10.1	14.4
H416×406×30×48	416	406	30	48	13.0	320.0	188.0	487.2	382.0	8.5	13.0
H400×416×40×40	400	416	40	40	13.0	320.0	188.0	462.3	363.0	10.4	9.4
H420×426×50×50	420	426	50	50	13.0	320.0	188.0	587.5	461.0	8.5	7.9
H438×316×26×40	438	316	26	40	13.0	358.0	145.0	347.3	273.0	7.9	15.8
H454×320×30×48	454	320	30	48	13.0	358.0	145.0	416.1	327.0	6.7	14.3
H470×324×34×56	470	324	34	56	13.0	358.0	145.0	486.1	382.0	5.8	13.1
H486×328×38×64	486	328	38	64	13.0	358.0	145.0	557.3	438.0	5.1	12.1
H437×340×46×80	437	340	46	80	13.0	277.0	147.0	672.9	528.0	4.3	8.9
H453×344×50×88	453	344	50	88	13.0	277.0	147.0	745.4	585.0	3.9	8.5
H469×348×54×96	469	348	54	96	13.0	277.0	147.0	819.2	643.0	3.6	8.2
H432×410×34×56	432	410	34	56	13.0	320.0	188.0	569.5	447.0	7.3	11.9
H448×414×38×64	448	414	38	64	13.0	320.0	188.0	653.0	513.0	6.5	11.1
H464×418×42×72	464	418	42	72	13.0	320.0	188.0	737.8	579.0	5.8	10.4
H440×436×60×60	440	436	60	60	13.0	320.0	188.0	716.7	563.0	7.3	6.9
H460×446×70×70	460	446	70	70	13.0	320.0	188.0	849.9	667.0	6.4	6.2
H466×460×30×30	466	460	30	30	13.0	406.0	215.0	400.6	314.0	15.3	14.7
H486×470×40×40	486	470	40	40	13.0	406.0	215.0	541.2	425.0	11.8	11.5
H508×292×26×40	508	292	26	40	13.0	428.0	133.0	346.3	272.0	7.3	18.5
H524×296×30×48	524	296	30	48	13.0	428.0	133.0	414.0	325.0	6.2	16.6
H485×352×58×104	485	352	58	104	13.0	277.0	147.0	894.3	702.0	3.4	7.9
H501×356×62×112	501	356	62	112	13.0	277.0	147.0	970.6	762.0	3.2	7.7
H517×360×66×120	517	360	66	120	13.0	277.0	147.0	1048.0	823.0	3.0	7.4
H480×422×46×80	480	422	46	80	13.0	320.0	188.0	823.9	647.0	5.3	9.9
H496×426×50×88	496	426	50	88	13.0	320.0	188.0	911.2	715.0	4.8	9.4
H512×430×54×96	512	430	54	96	13.0	320.0	188.0	999.9	785.0	4.5	9.0
H486×456×26×40	486	456	26	40	18.0	406.0	215.0	473.1	371.0	11.4	17.3
H502×460×30×48	502	460	30	48	18.0	406.0	215.0	566.2	444.0	9.6	15.5
H518×464×34×56	518	464	34	56	18.0	406.0	215.0	660.5	518.0	8.3	14.2
H516×500×20×32	516	500	20	32	18.0	452.0	240.0	413.2	324.0	15.6	24.0

汇合 热轧型钢规格表 Hui he hot-rolled section steel specifications table

重型热轧H型钢规格 Hot rolled heavy H section steel

汇合热轧H型钢产品 执行标准(规格) Hui he hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 Bw/inside width	半腿 高bf Half leg height				
H532×504×24×40	532	504	24	40	18.0	452.0	240.0	514.5	404.0	12.6	20.7
H540×300×34×56	540	300	34	56	13.0	428.0	133.0	483.0	379.0	5.4	15.1
H556×304×38×64	556	304	38	64	13.0	428.0	133.0	553.2	434.0	4.8	13.9
H572×308×42×72	572	308	42	72	13.0	428.0	133.0	624.7	490.0	4.3	13.0
H533×364×70×128	533	364	70	128	13.0	277.0	147.0	1127.0	885.0	2.8	7.2
H549×368×74×136	549	368	74	136	13.0	277.0	147.0	1207.0	948.0	2.7	7.1
H565×374×80×144	565	374	80	144	13.0	277.0	147.0	1300.0	1020.0	2.6	6.7
H528×434×58×104	528	434	58	104	13.0	320.0	188.0	1090.0	855.0	4.2	8.7
H544×438×62×112	544	438	62	112	13.0	320.0	188.0	1181.0	927.0	3.9	8.4
H560×442×66×120	560	442	66	120	13.0	320.0	188.0	1273.0	1000.0	3.7	8.1
H534×468×38×64	534	468	38	64	18.0	406.0	215.0	756.1	594.0	7.3	13.1
H550×472×42×72	550	472	42	72	18.0	406.0	215.0	853.0	670.0	6.6	12.2
H566×476×46×80	566	476	46	80	18.0	406.0	215.0	951.1	747.0	6.0	11.5
H580×476×26×40	580	476	26	40	18.0	500.0	225.0	513.6	403.0	11.9	20.9
H596×480×30×48	596	480	30	48	18.0	500.0	225.0	613.6	482.0	10.0	18.7
H588×312×46×80	588	312	46	80	13.0	428.0	133.0	697.5	548.0	3.9	12.2
H604×316×50×88	604	316	50	88	13.0	428.0	133.0	771.6	606.0	3.6	11.6
H620×320×54×96	620	320	54	96	13.0	428.0	133.0	847.0	665.0	3.3	11.0
H580×322×26×40	580	322	26	40	13.0	500.0	148.0	389.1	305.0	8.1	21.3
H596×326×30×48	596	326	30	48	13.0	500.0	148.0	464.4	365.0	6.8	19.0
H612×330×34×56	612	330	34	56	13.0	500.0	148.0	541.1	425.0	5.9	17.2
H580×390×26×40	580	390	26	40	13.0	500.0	182.0	443.5	348.0	9.8	21.3
H596×394×30×48	596	394	30	48	13.0	500.0	182.0	529.7	416.0	8.2	19.0
H612×398×34×56	612	398	34	56	13.0	500.0	182.0	617.2	485.0	7.1	17.2
H628×402×38×64	628	402	38	64	13.0	500.0	182.0	706.0	554.0	6.3	15.8
H576×446×70×128	576	446	70	128	18.0	320.0	188.0	1369.0	1070.0	3.5	7.7
H592×450×74×136	592	450	74	136	18.0	320.0	188.0	1464.0	1150.0	3.3	7.5
H608×456×80×144	608	456	80	144	18.0	320.0	188.0	1572.0	1230.0	3.2	7.2
H630×476×26×40	630	476	26	40	18.0	550.0	225.0	526.6	413.0	11.9	22.8
H646×480×30×48	646	480	30	48	18.0	550.0	225.0	628.6	493.0	10.0	20.3
H636×324×58×104	636	324	58	104	18.0	428.0	133.0	924.9	726.0	3.1	10.3
H652×328×62×112	652	328	62	112	18.0	428.0	133.0	1003.0	787.0	2.9	9.9
H668×332×66×120	668	332	66	120	18.0	428.0	133.0	1082.0	849.0	2.8	9.6
H628×334×38×64	628	334	38	64	18.0	500.0	148.0	620.3	487.0	5.2	15.6
H644×338×42×72	644	338	42	72	18.0	500.0	148.0	699.5	549.0	4.7	14.5
H660×342×46×80	660	342	46	80	18.0	500.0	148.0	780.0	612.0	4.3	13.6
H644×406×42×72	644	406	42	72	18.0	500.0	182.0	797.4	626.0	5.6	14.5
H660×408×44×80	660	408	44	80	18.0	500.0	182.0	875.6	687.0	5.1	14.2
H630×456×26×40	630	456	26	40	18.0	550.0	215.0	510.6	401.0	11.4	22.8
H646×460×30×48	646	460	30	48	18.0	550.0	215.0	609.4	478.0	9.6	20.3
H662×464×34×56	662	464	34	56	18.0	550.0	215.0	709.5	557.0	8.3	18.4

重型热轧H型钢规格 Hot rolled heavy H section steel

汇合热轧H型钢产品 执行标准(规格) Hui he hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 Bw/inside width	半腿 高bf Half leg height				
H678×468×38×64	678	468	38	64	18.0	550.0	215.0	810.8	636.0	7.3	16.9
H690×476×26×40	690	476	26	40	18.0	610.0	225.0	542.2	426.0	11.9	25.2
H706×480×30×48	706	480	30	48	18.0	610.0	225.0	646.6	508.0	10.0	22.3
H690×313×26×40	690	313	26	40	18.0	610.0	143.5	411.8	323.0	7.8	25.2
H706×317×30×48	706	317	30	48	18.0	610.0	143.5	490.1	385.0	6.6	22.3
H718×321×34×54	718	321	34	54	18.0	610.0	143.5	556.9	437.0	5.9	20.1
H734×325×38×62	734	325	38	62	18.0	610.0	143.5	637.6	501.0	5.2	18.4
H676×346×50×88	676	346	50	88	18.0	500.0	148.0	861.7	676.0	3.9	12.8
H692×350×54×96	692	350	54	96	18.0	500.0	148.0	944.8	742.0	3.6	12.1
H708×354×58×104	708	354	58	104	18.0	500.0	148.0	1029.0	808.0	3.4	11.6
H724×358×62×112	724	358	62	112	18.0	500.0	148.0	1115.0	875.0	3.2	11.1
H717×402×22×34	717	402	22	34	18.0	649.0	190.0	418.9	329.0	11.8	31.0
H733×406×26×42	733	406	26	42	18.0	649.0	190.0	512.6	402.0	9.7	26.8
H694×440×42×72	694	440	42	72	18.0	550.0	199.0	867.4	681.0	6.1	15.7
H710×444×46×80	710	444	46	80	18.0	550.0	199.0	966.2	758.0	5.6	14.7
H726×448×50×88	726	448	50	88	18.0	550.0	199.0	1066.0	837.0	5.1	13.8
H690×476×26×40	690	476	26	40	18.0	610.0	225.0	542.2	426.0	11.9	25.2
H706×480×30×48	706	480	30	48	18.0	610.0	225.0	646.6	508.0	10.0	22.3
H722×484×34×56	722	484	34	56	18.0	610.0	225.0	752.3	591.0	8.6	20.2
H750×329×42×70	750	329	42	70	18.0	610.0	143.5	719.6	565.0	4.7	17.0
H766×333×46×78	766	333	46	78	18.0	610.0	143.5	802.9	630.0	4.3	15.9
H778×337×50×84	778	337	50	84	18.0	610.0	143.5	873.9	686.0	4.0	14.8
H740×362×66×120	740	362	66	120	18.0	500.0	148.0	1202.0	943.0	3.0	10.7
H756×366×70×128	756	366	70	128	18.0	500.0	148.0	1290.0	1010.0	2.9	10.3
H772×370×74×136	772	370	74	136	18.0	500.0	148.0	1379.0	1080.0	2.7	9.9
H788×376×80×144	788	376	80	144	18.0	500.0	148.0	1486.0	1170.0	2.6	9.4
H740×424×64×120	740	424	64	120	18.0	500.0	180.0	1340.0	1050.0	3.5	11.0
H756×428×68×128	756	428	68	128	18.0	500.0	180.0	1438.0	1130.0	3.3	10.6
H772×432×72×136	772	432	72	136	18.0	500.0	180.0	1538.0	1210.0	3.2	10.2
H742×454×54×96	742	454	54	96	18.0	550.0	200.0	1171.0	920.0	4.7	13.1
H758×458×58×104	758	458	58	104	18.0	550.0	200.0	1274.0	1000.0	4.4	12.4
H774×462×62×112	774	462	62	112	18.0	550.0	200.0	1379.0	1080.0	4.1	11.9
H740×476×26×40	740	476	26	40	18.0	660.0	225.0	555.2	436.0	11.9	27.1
H756×480×30×48	756	480	30	48	18.0	660.0	225.0	661.6	519.0	10.0	24.0
H772×484×34×56	772	484	34	56	18.0	660.0	225.0	769.3	604.0	8.6	21.6
H799×302×26×40	799	302	26	40	18.0	719.0	138.0	431.3	339.0	7.6	29.3
H815×306×30×48	815	306	30	48	18.0	719.0	138.0	512.2	402.0	6.4	26.0
H781×366×58×104	781	366	58	104	18.0	573.0	154.0	1096.0	861.0	3.5	12.8
H797×370×62×112	797	370	62	112	18.0	573.0	154.0	1187.0	932.0	3.3	12.3
H813×374×66×120	813	374	66	120	18.0	573.0	154.0	1279.0	1000.0	3.1	11.8
H777×376×38×64	777	376	38	64	18.0	649.0	169.0	730.7	574.0	5.9	19.5

热轧型钢规格表

hot-rolled section steel specifications table

重型热轧H型钢规格 Hot rolled heavy H section steel

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 B_w inside width	半腿 高bf Half leg height				
YB/T 4832								cm ²	kg/m	B/t _f	(H-2r) /t _w
H793×380×42×72	793	380	42	72	18.0	649.0	169.0	822.6	646.0	5.3	18.0
H809×384×46×80	809	384	46	80	18.0	649.0	169.0	915.7	719.0	4.8	16.8
H825×388×50×88	825	388	50	88	18.0	649.0	169.0	1010.0	793.0	4.4	15.8
H799×446×26×40	799	446	26	40	18.0	719.0	210.0	546.5	429.0	11.2	29.3
H815×450×30×48	815	450	30	48	18.0	719.0	210.0	650.5	511.0	9.4	26.0
H877×304×26×40	877	304	26	40	18.0	797.0	139.0	453.2	356.0	7.6	32.3
H893×310×32×48	893	310	32	48	18.0	797.0	139.0	555.4	436.0	6.5	26.8
H876×310×26×40	876	310	26	40	18.0	796.0	142.0	457.7	359.0	7.8	32.3
H892×316×32×48	892	316	32	48	18.0	796.0	142.0	560.9	440.0	6.6	26.8
H841×392×54×96	841	392	54	96	18.0	649.0	169.0	1106.0	868.0	4.1	14.9
H857×396×58×104	857	396	58	104	18.0	649.0	169.0	1203.0	944.0	3.8	14.2
H873×400×62×112	873	400	62	112	18.0	649.0	169.0	1301.0	1020.0	3.6	13.5
H831×454×34×56	831	454	34	56	18.0	719.0	210.0	755.7	593.0	8.1	23.4
H847×458×38×64	847	458	38	64	18.0	719.0	210.0	862.2	677.0	7.2	21.3
H863×462×42×72	863	462	42	72	18.0	719.0	210.0	970.0	761.0	6.4	19.7
H877×302×26×40	877	302	26	40	18.0	797.0	138.0	451.6	355.0	7.6	32.3
H893×306×30×48	893	306	30	48	18.0	797.0	138.0	535.6	420.0	6.4	28.6
H909×310×34×56	909	310	34	56	18.0	797.0	138.0	621.0	487.0	5.5	25.7
H925×314×38×64	925	314	38	64	18.0	797.0	138.0	707.6	555.0	4.9	23.4
H877×334×26×40	877	334	26	40	18.0	797.0	154.0	477.2	375.0	8.4	32.3
H893×338×30×48	893	338	30	48	18.0	797.0	154.0	566.4	445.0	7.0	28.6
H909×342×34×56	909	342	34	56	18.0	797.0	154.0	656.8	516.0	6.1	25.7
H925×346×38×64	925	346	38	64	18.0	797.0	154.0	748.5	588.0	5.4	23.4
H879×410×46×80	879	410	46	80	18.0	719.0	182.0	989.5	777.0	5.1	18.3
H895×414×50×88	895	414	50	88	18.0	719.0	182.0	1091.0	856.0	4.7	17.2
H911×418×54×96	911	418	54	96	18.0	719.0	182.0	1194.0	937.0	4.4	16.2
H877×446×26×40	877	446	26	40	18.0	797.0	210.0	566.8	445.0	11.2	32.3
H893×450×30×48	893	450	30	48	18.0	797.0	210.0	673.9	529.0	9.4	28.6
H909×454×34×56	909	454	34	56	18.0	797.0	210.0	782.2	614.0	8.1	25.7
H925×458×38×64	925	458	38	64	18.0	797.0	210.0	891.9	700.0	7.2	23.4
H941×318×42×72	941	318	42	72	22.0	797.0	138.0	796.8	625.0	4.4	21.4
H957×322×46×80	957	322	46	80	22.0	797.0	138.0	886.0	695.0	4.0	19.8
H925×346×38×64	925	346	38	64	22.0	797.0	154.0	749.9	589.0	5.4	23.2
H941×350×42×72	941	350	42	72	22.0	797.0	154.0	842.9	662.0	4.9	21.4
H957×354×46×80	957	354	46	80	22.0	797.0	154.0	937.2	736.0	4.4	19.8
H973×358×50×88	973	358	50	88	22.0	797.0	154.0	1033.0	811.0	4.1	18.6
H941×422×42×72	941	422	42	72	22.0	797.0	190.0	946.6	743.0	5.9	21.4
H957×426×46×80	957	426	46	80	22.0	797.0	190.0	1052.0	826.0	5.3	19.8
H973×430×50×88	973	430	50	88	22.0	797.0	190.0	1159.0	910.0	4.9	18.6
H941×462×42×72	941	462	42	72	22.0	797.0	210.0	1004.0	788.0	6.4	21.4
H957×466×46×80	957	466	46	80	22.0	797.0	210.0	1116.0	876.0	5.8	19.8

重型热轧H型钢规格 Hot rolled heavy H section steel

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 B_w inside width	半腿 高bf Half leg height				
YB/T 4832								cm ²	kg/m	B/t _f	(H-2r) /t _w
H973×470×50×88	973	470	50	88	22.0	797.0	210.0	1230.0	965.0	5.3	18.6
H1008×310×26×40	1008	310	26	40	22.0	928.0	142.0	493.4	387.0	7.8	37.1
H1024×314×30×48	1024	314	30	48	22.0	928.0	142.0	584.0	458.0	6.5	32.7
H973×326×50×88	973	326	50	88	22.0	797.0	138.0	976.4	766.0	3.7	18.6
H989×330×54×96	989	330	54	96	22.0	797.0	138.0	1068.0	838.0	3.4	17.5
H1005×334×58×104	1005	334	58	104	22.0	797.0	138.0	1161.0	911.0	3.2	16.6
H1021×338×62×112	1021	338	62	112	22.0	797.0	138.0	1255.0	986.0	3.0	15.8
H1008×406×26×40	1008	406	26	40	22.0	928.0	190.0	570.2	448.0	10.2	37.1
H1024×410×30×48	1024	410	30	48	22.0	928.0	190.0	676.2	531.0	8.5	32.7
H990×436×38×64	990	436	38	64	22.0	862.0	199.0	889.8	698.0	6.8	24.9
H1006×440×42×72	1006	440	42	72	22.0	862.0	199.0	999.8	785.0	6.1	22.9
H1022×444×46×80	1022	444	46	80	22.0	862.0	199.0	1111.0	872.0	5.6	21.3
H1040×318×34×56	1040	318	34	56	22.0	928.0	142.0	675.8	531.0	5.7	29.3
H1056×322×38×64	1056	322	38	64	22.0	928.0	142.0	769.0	604.0	5.0	26.6
H1072×326×42×72	1072	326	42	72	22.0	928.0	142.0	863.4	678.0	4.5	24.5
H1038×338×50×88	1038	338	50	88	22.0	862.0	144.0	1030.0	809.0	3.8	19.9
H1054×342×54×96	1054	342	54	96	22.0	862.0	144.0	1126.0	884.0	3.6	18.7
H1070×346×58×104	1070	346	58	104	22.0	862.0	144.0	1224.0	961.0	3.3	17.7
H1040×414×34×56	1040	414	34	56	22.0	928.0	190.0	783.4	615.0	7.4	29.3
H1056×418×38×64	1056	418	38	64	22.0	928.0	190.0	891.8	700.0	6.5	26.6
H1072×422×42×72	1072	422	42	72	22.0	928.0	190.0	1002.0	786.0	5.9	24.5
H1038×448×50×88	1038	448	50	88	22.0	862.0	199.0	1224.0	961.0	5.1	19.9
H1054×452×54×96	1054	452	54	96	22.0	862.0	199.0	1337.0	1050.0	4.7	18.7
H1070×456×58×104	1070	456	58	104	22.0	862.0	199.0	1453.0	1140.0	4.4	17.7
H1088×330×46×80	1088	330	46	80	22.0	928.0	142.0	959.0	753.0	4.1	22.7
H1104×334×50×88	1104	334	50	88	22.0	928.0	142.0	1056.0	829.0	3.8	21.2
H1120×338×54×96	1120	338	54	96	22.0	928.0	142.0	1154.0	906.0	3.5	19.9
H1108×406×26×40	1108	406	26	40	22.0	1028.0	190.0	596.2	468.0	10.2	40.9
H1124×410×30×48	1124	410	30	48	22.0	1028.0	190.0	706.2	554.0	8.5	36.0
H1088×426×46×80	1088	426	46	80	22.0	928.0	190.0	1113.0	873.0	5.3	22.7
H1104×430×50×88	1104	430	50	88	22.0	928.0	190.0	1225.0	962.0	4.9	21.2
H1120×434×54×96	1120	434	54	96	22.0	928.0	190.0	1339.0	1050.0	4.5	19.9
H1136×342×58×104	1136	342	58	104	25.0	928.0	142.0	1255.0	985.0	3.3	18.7
H1152×346×62×112	1152	346	62	112	25.0	928.0	142.0	1356.0	1060.0	3.1	17.8
H1168×350×66×120	1168	350	66	120	25.0	928.0	142.0	1458.0	1140.0	2.9	16.9
H1140×414×34×56	1140	414	34	56	25.0	1028.0	190.0	818.6	643.0	7.4	32.1
H1156×418×38×64	1156	418	38	64	25.0	1028.0	190.0	931.0	731.0	6.5	29.1
H1172×422×42×72	1172	422	42	72	25.0	1028.0	190.0	1045.0	820.0	5.9	26.7
H1178×412×30×32	1178	412	30	32	25.0	1114.0	191.0	931.0	731.0	12.9	37.6
H1210×422×40×48	1210	422	40	48	25.0	1114.0	191.0	1045.0	820.0	8.8	29.0
H1218×422×40×52	1218	422	40	52	25.0	1114.0	191.0	1160.0	910.0	8.1	29.2

热轧型钢规格表

hot-rolled section steel specifications table

国标规格表 H-beam specifications (GB)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
GB/T 11263								cm ²	kg/m	B/t _f	(H-2r)/t _w
H96×99×4.5×6	96.0	99.0	4.5	6.0	8.0	84.0	47.3	16.2	12.7	16.5	17.8
H100×100×6×8	100.0	100.0	6.0	8.0	8.0	84.0	47.0	21.6	16.9	12.5	14.0
H102×102×8×12	102.0	102.0	8.0	12.0	8.0	78.0	47.0	31.3	24.5	8.5	10.8
H119×123×4.5×6	119.0	123.0	4.5	6.0	8.0	107.0	59.3	20.1	15.8	20.5	22.9
H125×125×6.5×9	125.0	125.0	6.5	9.0	8.0	107.0	59.3	30.0	23.6	13.9	16.8
H150×75×5×7	150.0	75.0	5.0	7.0	8.0	136.0	35.0	17.9	14.0	10.7	26.8
H139×97×3.2×4.5	139.0	97.0	3.2	4.5	8.0	130.0	46.9	13.4	10.5	21.6	38.4
H142×99×4.5×6	142.0	99.0	4.5	6.0	8.0	130.0	47.3	18.3	14.3	16.5	28.0
H148×100×6×9	148.0	100.0	6.0	9.0	8.0	130.0	47.0	26.4	20.7	11.1	22.0
H144×148×5×7	144.0	148.0	5.0	7.0	8.0	130.0	71.5	27.8	21.8	21.1	25.6
H147×149×6×8.5	147.0	149.0	6.0	8.5	8.0	130.0	71.5	33.7	26.4	17.5	21.8
H150×150×7×10	150.0	150.0	7.0	10.0	8.0	130.0	71.5	39.7	31.1	15.0	19.1
H152×152×9×11	152.0	152.0	9.0	11.0	8.0	130.0	71.5	45.7	35.9	13.8	15.1
H168×88×3.2×4.5	168.0	88.0	3.2	4.5	8.0	159.0	42.4	13.6	10.6	19.6	47.5
H167×173×5×7	167.0	173.0	5.0	7.0	13.0	153.0	84.0	33.3	26.2	24.7	28.2
H172×175×6.5×9.5	172.0	175.0	6.5	9.5	13.0	153.0	84.3	44.7	35.0	18.4	22.5
H175×175×7.5×11	175.0	175.0	7.5	11.0	13.0	153.0	83.8	51.4	40.4	15.9	19.9
H193×98×3.2×4.5	193.0	98.0	3.2	4.5	8.0	184.0	47.4	15.3	12.0	21.8	55.3
H196×99×4×6	196.0	99.0	4.0	6.0	8.0	184.0	47.5	19.8	15.5	16.5	45.0
H198×99×4.5×7	198.0	99.0	4.5	7.0	8.0	184.0	47.3	22.7	17.8	14.1	40.4
H200×100×5.5×8	200.0	100.0	5.5	8.0	8.0	184.0	47.3	26.7	20.9	12.5	33.5
H188×149×4.5×6	188.0	149.0	4.5	6.0	8.0	176.0	72.3	26.4	20.7	24.8	38.2
H194×150×6×9	194.0	150.0	6.0	9.0	8.0	176.0	72.0	38.1	29.9	16.7	29.7
H200×150×8×12	200.0	150.0	8.0	12.0	8.0	176.0	71.0	50.6	39.7	12.5	23.0
H210×134×10×16	210.0	134.0	10.0	16.0	7.6	178.0	62.0	61.2	48.0	8.4	19.5
H192×198×6×8	192.0	198.0	6.0	8.0	13.0	176.0	96.0	43.7	34.3	24.8	27.7
H196×165×6×10	196.0	165.0	6.0	10.0	13.0	176.0	79.5	45.0	35.3	16.5	28.3
H200×200×8×12	200.0	200.0	8.0	12.0	13.0	176.0	96.0	63.5	49.9	16.7	21.8
H200×204×12×12	200.0	204.0	12.0	12.0	13.0	176.0	96.0	71.5	56.2	17.0	14.5
H226×175×16×25	226.0	175.0	16.0	25.0	13.0	176.0	79.5	117.1	91.9	7.0	12.5
H244×124×4.5×6	244.0	124.0	4.5	6.0	8.0	232.0	59.8	25.9	20.3	20.7	50.7
H248×124×5×8	248.0	124.0	5.0	8.0	8.0	232.0	59.5	32.0	25.1	15.5	46.4
H250×125×6×9	250.0	125.0	6.0	9.0	8.0	232.0	59.5	37.0	29.0	13.9	39.0
H238×173×4.5×8	238.0	173.0	4.5	8.0	13.0	222.0	84.3	39.1	30.7	21.6	47.1
H244×175×7×11	244.0	175.0	7.0	11.0	13.0	222.0	84.0	55.5	43.6	15.9	31.1
H244×252×11×11	244.0	252.0	11.0	11.0	13.0	222.0	120.5	81.3	63.8	22.9	19.8
H250×250×9×14	250.0	250.0	9.0	14.0	13.0	222.0	120.5	91.4	71.8	17.9	24.9
H250×255×14×14	250.0	255.0	14.0	14.0	13.0	222.0	120.5	103.9	81.6	18.2	16.0

国标规格表 H-beam specifications (GB)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
GB/T 11263								cm ²	kg/m	B/t _f	(H-2r)/t _w
H303×101×5.1×5.7	303.0	101.0	5.1	5.7	13.0	291.6	48.0	27.8	21.9	17.7	54.3
H305×101×5.6×6.7	305.0	101.0	5.6	6.7	13.0	291.6	47.7	31.3	24.6	15.1	49.8
H309×102×6×8.9	309.0	102.0	6.0	8.9	13.0	291.2	48.0	37.1	29.1	11.5	47.2
H313×102×6.6×10.8	313.0	102.0	6.6	10.8	13.0	291.4	47.7	42.7	33.5	9.4	43.5
H294×148×4.5×6	294.0	148.0	4.5	6.0	13.0	282.0	71.8	31.9	25.0	24.7	59.6
H298×148.5×5×8	298.0	148.5	5.0	8.0	13.0	282.0	71.8	39.3	30.9	18.6	54.4
H298×149×5.5×8	298.0	149.0	5.5	8.0	13.0	282.0	71.8	40.8	32.0	18.6	49.5
H300×150×6.5×9	300.0	150.0	6.5	9.0	13.0	282.0	71.8	46.8	36.7	16.7	42.2
H286×198×6×8	286.0	198.0	6.0	8.0	13.0	270.0	96.0	49.3	38.7	24.8	43.3
H294×200×8×12	294.0	200.0	8.0	12.0	13.0	270.0	96.0	71.1	55.8	16.7	33.5
H298×201×9×14	298.0	201.0	9.0	14.0	13.0	270.0	96.0	82.0	64.4	14.4	30.2
H300×200×12×12	300.0	200.0	12.0	12.0	13.0	276.0	94.0	82.6	64.8	16.7	22.8
H294×302×12×12	294.0	302.0	12.0	12.0	13.0	270.0	145.0	106.3	83.5	25.2	22.3
H300×300×10×15	300.0	300.0	10.0	15.0	13.0	270.0	145.0	118.5	93.0	20.0	27.4
H300×305×15×15	300.0	305.0	15.0	15.0	13.0	270.0	145.0	133.5	105.0	20.3	18.3
H308×301×11×19	308.0	301.0	11.0	19.0	13.0	270.0	145.0	145.5	114.0	15.8	25.6
H340×173×4.5×6	340.0	173.0	4.5	6.0	13.0	328.0	84.3	37.0	29.0	28.8	69.8
H346×174×6×9	346.0	174.0	6.0	9.0	13.0	328.0	84.0	52.5	41.2	19.3	53.3
H350×175×7×11	350.0	175.0	7.0	11.0	13.0	328.0	84.0	62.9	49.4	15.9	46.3
H340×250×9×14	340.0	250.0	9.0	14.0	13.0	312.0	120.5	99.5	78.1	17.9	34.9
H338×351×13×13	338.0	351.0	13.0	13.0	13.0	312.0	169.0	133.3	105.0	27.0	24.0
H344×348×10×16	344.0	348.0	10.0	16.0	13.0	312.0	169.0	144.0	113.0	21.8	31.8
H344×354×16×16	344.0	354.0	16.0	16.0	13.0	312.0	169.0	164.7	129.0	22.1	19.9
H350×350×12×19	350.0	350.0	12.0	19.0	13.0	312.0	169.0	171.9	135.0	18.4	27.0
H350×357×19×19	350.0	357.0	19.0	19.0	13.0	312.0	169.0	196.4	154.0	18.8	17.1
H390×148×6×8	390.0	148.0	6.0	8.0	13.0	374.0	71.0	47.6	37.3	18.5	60.7
H396×149×7×11	396.0	149.0	7.0	11.0	13.0	374.0	71.0	60.4	47.4	13.5	52.9
H400×150×8×13	400.0	150.0	8.0	13.0	13.0	374.0	71.0	70.4	55.2	11.5	46.8
H390×198×6×8	390.0	198.0	6.0	8.0	13.0	374.0	96.0	55.6	43.6	24.8	60.7
H396×199×7×11	396.0	199.0	7.0	11.0	13.0	374.0	96.0	71.4	56.1	18.1	52.9
H400×200×8×13	400.0	200.0	8.0	13.0	13.0	374.0	96.0	83.4	65.4	15.4	46.8
H414×202×10×20	414.0	202.0	10.0	20.0	13.0	374.0	96.0	119.7	93.9	10.1	38.8
H390×300×10×16	390.0	300.0	10.0	16.0	13.0	358.0	145.0	133.3	105.0	18.8	36.4
H388×402×15×15	388.0	402.0	15.0	15.0	22.0	358.0	193.5	178.5	140.0	26.8	22.9
H394×398×11×18	394.0	398.0	11.0	18.0	22.0	358.0	193.5	186.8	147.0	22.1	31.8
H394×405×18×18	394.0	405.0	18.0	18.0	22.0	358.0	193.5	214.4	168.0	22.5	19.4
H400×400×13×21	400.0	400.0	13.0	21.0	22.0	358.0	193.5	218.7	172.0	19.0	27.4
H400×408×21×21	400.0	408.0	21.0	21.0	22.0	358.0	193.5	250.7	197.0	19.4	17.0

热轧型钢规格表

hot-rolled section steel specifications table

国标规格表 H-beam specifications (GB)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 Bw/inside width	半腿 高bf Half leg height				
GB/T 11263								cm ²	kg/m	B/t ₂	(H-2r) /t ₁
H406×403×16×24	406.0	403.0	16.0	24.0	22.0	358.0	193.5	254.9	200.0	16.8	22.6
H414×405×18×28	414.0	405.0	18.0	28.0	22.0	358.0	193.5	295.4	232.0	14.5	20.6
H428×407×20×35	428.0	407.0	20.0	35.0	22.0	358.0	193.5	360.7	283.0	11.6	19.2
H458×417×30×50	458.0	417.0	30.0	50.0	22.0	358.0	193.5	528.6	415.0	8.3	13.8
H498×432×45×70	498.0	432.0	45.0	70.0	22.0	358.0	193.5	770.1	604.0	6.2	10.1
H446×150×7×12	446.0	150.0	7.0	12.0	13.0	422.0	71.5	67.0	52.6	12.5	60.0
H450×151×8×14	450.0	151.0	8.0	14.0	13.0	422.0	71.5	77.5	60.8	10.8	53.0
H446×199×8×12	446.0	199.0	8.0	12.0	13.0	422.0	95.5	83.0	65.1	16.6	52.5
H450×200×9×14	450.0	200.0	9.0	14.0	13.0	422.0	95.5	95.4	74.9	14.3	47.1
H470×202×11×24	470.0	202.0	11.0	24.0	13.0	422.0	95.5	144.8	114.0	8.4	40.4
H440×300×11×18	440.0	300.0	11.0	18.0	13.0	404.0	144.5	153.9	121.0	16.7	37.6
H470×150×7×13	470.0	150.0	7.0	13.0	13.0	444.0	71.5	71.5	56.2	11.5	63.4
H475×151.5×8.5×15.5	475.0	151.5	8.5	15.5	13.0	444.0	71.5	86.2	67.6	9.8	52.8
H482×153.5×10.5×19	482.0	153.5	10.5	19.0	13.0	444.0	71.5	106.4	83.5	8.1	43.4
H491×146×7×11.5	491.0	146.0	7.0	11.5	13.0	468.0	69.5	67.8	53.2	12.7	66.4
H492×150×7×12	492.0	150.0	7.0	12.0	13.0	468.0	71.5	70.2	55.1	12.5	66.6
H494×150×7×13	494.0	150.0	7.0	13.0	13.0	468.0	71.5	73.2	57.5	11.5	66.9
H500×152×9×16	500.0	152.0	9.0	16.0	13.0	468.0	71.5	92.2	72.4	9.5	52.7
H504×153×10×18	504.0	153.0	10.0	18.0	13.0	468.0	71.5	103.3	81.1	8.5	47.8
H496×199×9×14	496.0	199.0	9.0	14.0	13.0	468.0	95.0	99.3	77.9	14.2	52.2
H500×200×10×16	500.0	200.0	10.0	16.0	13.0	468.0	95.0	112.3	88.1	12.5	47.4
H506×201×11×19	506.0	201.0	11.0	19.0	13.0	468.0	95.0	129.3	102.0	10.6	43.6
H510×206×16×21	510.0	206.0	16.0	21.0	13.0	468.0	95.0	162.9	128.0	9.8	30.3
H512×202×12×22	512.0	202.0	12.0	22.0	13.0	468.0	95.0	146.5	115.0	9.2	40.5
H518×204×14×25	518.0	204.0	14.0	25.0	13.0	468.0	95.0	169.0	133.0	8.2	35.1
H482×300×11×15	482.0	300.0	11.0	15.0	13.0	452.0	144.5	141.2	111.0	20.0	41.5
H488×300×11×18	488.0	300.0	11.0	18.0	13.0	452.0	144.5	159.2	125.0	16.7	42.0
H498×301×12×23	498.0	301.0	12.0	23.0	13.0	452.0	144.5	194.2	152.0	13.1	39.3
H492×465×15×20	492.0	465.0	15.0	20.0	22.0	452.0	225.0	258.0	202.0	23.3	29.9
H502×465×15×25	502.0	465.0	15.0	25.0	22.0	452.0	225.0	304.5	239.0	18.6	30.5
H502×470×20×25	502.0	470.0	20.0	25.0	22.0	452.0	225.0	329.6	259.0	18.8	22.9
H546×199×9×14	546.0	199.0	9.0	14.0	13.0	518.0	95.0	103.8	81.5	14.2	57.8
H550×200×10×16	550.0	200.0	10.0	16.0	13.0	518.0	95.0	117.3	92.0	12.5	52.4
H544×300×11×15	544.0	300.0	11.0	15.0	13.0	514.0	144.5	148.0	116.0	20.0	47.1
H550×300×11×18	550.0	300.0	11.0	18.0	13.0	514.0	144.5	166.0	130.0	16.7	47.6
H596×199×10×15	596.0	199.0	10.0	15.0	13.0	566.0	94.5	117.8	92.4	13.3	57.0
H600×200×11×17	600.0	200.0	11.0	17.0	13.0	566.0	94.5	131.7	103.0	11.8	52.2
H606×201×12×20	606.0	201.0	12.0	20.0	13.0	566.0	94.5	149.8	118.0	10.1	48.3

国标规格表 H-beam specifications (GB)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 Bw/inside width	半腿 高bf Half leg height				
GB/T 11263								cm ²	kg/m	B/t ₂	(H-2r) /t ₁
H582×300×12×17	582.0	300.0	12.0	17.0	13.0	548.0	144.0	169.2	133.0	17.6	46.3
H588×300×12×20	588.0	300.0	12.0	20.0	13.0	548.0	144.0	187.2	147.0	15.0	46.8
H594×302×14×23	594.0	302.0	14.0	23.0	13.0	548.0	144.0	217.1	170.0	13.1	40.6
H600×304×16×26	600.0	304.0	16.0	26.0	13.0	548.0	144.0	247.2	194.0	11.7	35.9
H604×308×20×28	604.0	308.0	20.0	28.0	13.0	548.0	144.0	283.5	223.0	11.0	28.9
H625×198.5×13.5×17.5	625.0	198.5	13.5	17.5	13.0	590.0	92.5	150.6	118.0	11.3	44.4
H630×200×15×20	630.0	200.0	15.0	20.0	13.0	590.0	92.5	170.0	133.0	10.0	40.3
H638×202×17×24	638.0	202.0	17.0	24.0	13.0	590.0	92.5	198.7	156.0	8.4	36.0
H630×200×13×20	630.0	200.0	13.0	20.0	13.0	590.0	93.5	158.2	124.0	10.0	46.5
H630×200×15×20	630.0	200.0	15.0	20.0	13.0	590.0	92.5	170.0	133.0	10.0	40.3
H646×299×10×15	646.0	299.0	10.0	15.0	13.0	616.0	144.5	152.8	120.0	19.9	62.0
H650×300×11×17	650.0	300.0	11.0	17.0	13.0	616.0	144.5	171.2	134.0	17.6	56.7
H656×301×12×20	656.0	301.0	12.0	20.0	13.0	616.0	144.5	195.8	154.0	15.1	52.5
H697×200×15×20.5	697.0	200.0	15.0	20.5	18.0	656.0	92.5	183.2	144.0	9.8	44.1
H700×200×15×22	700.0	200.0	15.0	22.0	18.0	656.0	92.5	189.2	149.0	9.1	44.3
H692×300×13×20	692.0	300.0	13.0	20.0	18.0	652.0	143.5	207.5	163.0	15.0	50.5
H700×300×13×24	700.0	300.0	13.0	24.0	18.0	652.0	143.5	231.5	182.0	12.5	51.1
H708×302×15×28	708.0	302.0	15.0	28.0	18.0	652.0	143.5	269.7	212.0	10.8	44.8
H708×304×15×28	708.0	304.0	15.0	28.0	18.0	652.0	144.5	270.8	213.0	10.9	44.8
H734×299×12×16	734.0	299.0	12.0	16.0	18.0	702.0	143.5	182.7	143.0	18.7	58.2
H742×300×13×20	742.0	300.0	13.0	20.0	18.0	702.0	143.5	214.0	168.0	15.0	54.3
H750×300×13×24	750.0	300.0	13.0	24.0	18.0	702.0	143.5	238.0	187.0	12.5	54.9
H758×303×16×28	758.0	303.0	16.0	28.0	18.0	702.0	143.5	284.8	224.0	10.8	45.1
H792×300×14×22	792.0	300.0	14.0	22.0	18.0	748.0	143.0	239.5	188.0	13.6	54.0
H800×300×14×26	800.0	300.0	14.0	26.0	18.0	748.0	143.0	263.5	207.0	11.5	54.6
H808×302×16×30	808.0	302.0	16.0	30.0	18.0	748.0	143.0	303.7	238.0	10.1	48.3
H834×298×14×19	834.0	298.0	14.0	19.0	18.0	796.0	142.0	227.5	179.0	15.7	57.0
H842×299×15×23	842.0	299.0	15.0	23.0	18.0	796.0	142.0	259.7	204.0	13.0	53.7
H850×300×16×27	850.0	300.0	16.0	27.0	18.0	796.0	142.0	292.1	229.0	11.1	50.9
H858×301×17×31	858.0	301.0	17.0	31.0	18.0	796.0	142.0	324.7	255.0	9.7	48.4
H890×299×15×23	890.0	299.0	15.0	23.0	18.0	844.0	142.0	266.9	210.0	13.0	56.9
H900×300×16×28	900.0	300.0	16.0	28.0	18.0	844.0	142.0	305.8	240.0	10.7	54.0
H912×302×18×34	912.0	302.0	18.0	34.0	18.0	844.0	142.0	360.1	283.0	8.9	48.7
H970×297×16×21	970.0	297.0	16.0	21.0	18.0	928.0	140.5	276.0	217.0	14.1	58.4
H980×298×17×26	980.0	298.0	17.0	26.0	18.0	928.0	140.5	315.5	248.0	11.5	55.5
H990×298×17×31	990.0	298.0	17.0	31.0	18.0	928.0	140.5	345.3	271.0	9.6	56.1
H1000×300×19×36	1000.0	300.0	19.0	36.0	18.0	928.0	140.5	395.1	310.0	8.3	50.7
H1008×302×21×40	1008.0	302.0	21.0	40.0	18.0	928.0	140.5	439.3	345.0	7.6	46.3

热轧型钢规格表

hot-rolled section steel specifications table

日标规格表 H-beam specifications (JIS)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
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JIS G 3192:2014								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
H100×100×6×8	100.0	100.0	6.0	8.0	8.0	84.0	47.0	21.6	16.9	12.5	14.0
H125×60×6×8	125.0	60.0	6.0	8.0	8.0	109.0	27.0	16.7	13.1	7.5	18.2
H125×125×6.5×9	125.0	125.0	6.5	9.0	8.0	107.0	59.3	30.0	23.6	13.9	16.8
H150×75×5×7	150.0	75.0	5.0	7.0	8.0	136.0	35.0	17.9	14.0	10.7	26.8
H148×100×6×9	148.0	100.0	6.0	9.0	8.0	130.0	47.0	26.4	20.7	11.1	22.0
H150×150×7×10	150.0	150.0	7.0	10.0	8.0	130.0	71.5	39.7	31.1	15.0	19.1
H175×175×7.5×11	175.0	175.0	7.5	11.0	13.0	153.0	83.8	51.4	40.4	15.9	19.9
H198×99×4.5×7	198.0	99.0	4.5	7.0	8.0	184.0	47.3	22.7	17.8	14.1	40.4
H200×100×5.5×8	200.0	100.0	5.5	8.0	8.0	184.0	47.3	26.7	20.9	12.5	33.5
H194×150×6×9	194.0	150.0	6.0	9.0	8.0	176.0	72.0	38.1	29.9	16.7	29.7
H200×200×8×12	200.0	200.0	8.0	12.0	13.0	176.0	96.0	63.5	49.9	16.7	21.8
H248×124×5×8	248.0	124.0	5.0	8.0	8.0	232.0	59.5	32.0	25.1	15.5	46.4
H250×125×6×9	250.0	125.0	6.0	9.0	8.0	232.0	59.5	37.0	29.0	13.9	39.0
H244×175×7×11	244.0	175.0	7.0	11.0	13.0	222.0	84.0	55.5	43.6	15.9	31.1
H250×250×9×14	250.0	250.0	9.0	14.0	13.0	222.0	120.5	91.4	71.8	17.9	24.9
H298×149×5.5×8	298.0	149.0	5.5	8.0	13.0	282.0	71.8	40.8	32.0	18.6	49.5
H300×150×6.5×9	300.0	150.0	6.5	9.0	13.0	282.0	71.8	46.8	36.7	16.7	42.2
H294×200×8×12	294.0	200.0	8.0	12.0	13.0	270.0	96.0	71.1	55.8	16.7	33.5
H300×300×10×15	300.0	300.0	10.0	15.0	13.0	270.0	145.0	118.5	93.0	20.0	27.4
H346×174×6×9	346.0	174.0	6.0	9.0	13.0	328.0	84.0	52.5	41.2	19.3	53.3
H350×175×7×11	350.0	175.0	7.0	11.0	13.0	328.0	84.0	62.9	49.4	15.9	46.3
H340×250×9×14	340.0	250.0	9.0	14.0	13.0	312.0	120.5	99.5	78.1	17.9	34.9
H350×350×12×19	350.0	350.0	12.0	19.0	13.0	312.0	169.0	171.9	135.0	18.4	27.0
H396×199×7×11	396.0	199.0	7.0	11.0	13.0	374.0	96.0	71.4	56.1	18.1	52.9
H400×200×8×13	400.0	200.0	8.0	13.0	13.0	374.0	96.0	83.4	65.4	15.4	46.8
H390×300×10×16	390.0	300.0	10.0	16.0	13.0	358.0	145.0	133.3	105.0	18.8	36.4
H400×400×13×21	400.0	400.0	13.0	21.0	22.0	358.0	193.5	218.7	172.0	19.0	27.4
H414×405×18×28	414.0	405.0	18.0	28.0	22.0	358.0	193.5	295.4	232.0	14.5	20.6
H428×407×20×35	428.0	407.0	20.0	35.0	22.0	358.0	193.5	360.7	283.0	11.6	19.2
H458×417×30×50	458.0	417.0	30.0	50.0	22.0	358.0	193.5	528.6	415.0	8.3	13.8
H498×432×45×70	498.0	432.0	45.0	70.0	22.0	358.0	193.5	770.1	604.0	6.2	10.1
H446×199×8×12	446.0	199.0	8.0	12.0	13.0	422.0	95.5	83.0	65.1	16.6	52.5
H450×200×9×14	450.0	200.0	9.0	14.0	13.0	422.0	95.5	95.4	74.9	14.3	47.1
H440×300×11×18	440.0	300.0	11.0	18.0	13.0	404.0	144.5	153.9	121.0	16.7	37.6
H496×199×9×14	496.0	199.0	9.0	14.0	13.0	468.0	95.0	99.3	77.9	14.2	52.2
H500×200×10×16	500.0	200.0	10.0	16.0	13.0	468.0	95.0	112.3	88.1	12.5	47.4
H482×300×11×15	482.0	300.0	11.0	15.0	13.0	452.0	144.5	141.2	111.0	20.0	41.5
H488×300×11×18	488.0	300.0	11.0	18.0	13.0	452.0	144.5	159.2	125.0	16.7	42.0

日标规格表 H-beam specifications (JIS)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{width} width	半腿 高bf Half leg height				
JIS G 3192:2014								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
H596×199×10×15	596.0	199.0	10.0	15.0	13.0	566.0	94.5	117.8	92.4	13.3	57.0
H600×200×11×17	600.0	200.0	11.0	17.0	13.0	566.0	94.5	131.7	103.0	11.8	52.2
H582×300×12×17	582.0	300.0	12.0	17.0	13.0	548.0	144.0	169.2	133.0	17.6	46.3
H588×300×12×20	588.0	300.0	12.0	20.0	13.0	548.0	144.0	187.2	147.0	15.0	46.8
H594×302×14×23	594.0	302.0	14.0	23.0	13.0	548.0	144.0	217.1	170.0	13.1	40.6
H692×300×13×20	692.0	300.0	13.0	20.0	18.0	652.0	143.5	207.5	163.0	15.0	50.5
H700×300×13×24	700.0	300.0	13.0	24.0	18.0	652.0	143.5	231.5	182.0	12.5	51.1
H792×300×14×22	792.0	300.0	14.0	22.0	18.0	748.0	143.0	239.5	188.0	13.6	54.0
H800×300×14×26	800.0	300.0	14.0	26.0	18.0	748.0	143.0	263.5	207.0	11.5	54.6
H890×299×15×23	890.0	299.0	15.0	23.0	18.0	844.0	142.0	266.9	210.0	13.0	56.9
H900×300×16×28	900.0	300.0	16.0	28.0	18.0	844.0	142.0	305.8	240.0	10.7	54.0
H912×302×18×34	912.0	302.0	18.0	34.0	18.0	844.0	142.0	360.1	283.0	8.9	48.7
H918×303×19×37	918.0	303.0	19.0	37.0	18.0	844.0	142.0	387.4	304.0	8.2	46.4

韩标规格表 H-beam specifications (KS)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{width} width	半腿 高bf Half leg height				
KS D 3502: 2016								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
H100×100×6×8	100.0	100.0	6.0	8.0	10.0	84.0	47.0	21.9	17.2	12.5	13.3
H125×60×6×8	125.0	60.0	6.0	8.0	9.0	109.0	27.0	16.8	13.2	7.5	17.8
H125×125×6.5×9	125.0	125.0	6.5	9.0	10.0	107.0	59.3	30.3	23.8	13.9	16.2
H150×75×5×7	150.0	75.0	5.0	7.0	8.0	136.0	35.0	17.9	14.0	10.7	26.8
H148×100×6×9	148.0	100.0	6.0	9.0	11.0	130.0	47.0	26.8	21.1	11.1	21.0
H150×150×7×10	150.0	150.0	7.0	10.0	11.0	130.0	71.5	40.1	31.5	15.0	18.3
H175×90×5×8	175.0	90.0	5.0	8.0	9.0	159.0	42.5	23.1	18.1	11.3	31.4
H175×175×7.5×11	175.0	175.0	7.5	11.0	12.0	153.0	83.8	51.2	40.2	15.9	20.1
H198×99×4.5×7	198.0	99.0	4.5	7.0	11.0	184.0	47.3	23.2	18.2	14.1	39.1
H200×100×5.5×8	200.0	100.0	5.5	8.0	11.0	184.0	47.3	27.2	21.3	12.5	32.4
H194×150×6×9	194.0	150.0	6.0	9.0	13.0	176.0	72.0	39.0	30.6	16.7	28.0

热轧型钢规格表

hot-rolled section steel specifications table

韩标规格表 H-beam specifications (KS)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
KS D 3502: 2016								cm ²	kg/m	B/t ₂	(H-2r) /t ₁
H200×200×8×12	200.0	200.0	8.0	12.0	13.0	176.0	96.0	63.5	49.9	16.7	21.8
H200×204×12×12	200.0	204.0	12.0	12.0	13.0	176.0	96.0	71.5	56.2	17.0	14.5
H248×124×5×8	248.0	124.0	5.0	8.0	12.0	232.0	59.5	32.7	25.7	15.5	44.8
H250×125×6×9	250.0	125.0	6.0	9.0	12.0	232.0	59.5	37.7	29.6	13.9	37.7
H244×175×7×11	244.0	175.0	7.0	11.0	16.0	222.0	84.0	56.2	44.1	15.9	30.3
H244×252×11×11	244.0	252.0	11.0	11.0	16.0	222.0	120.5	82.1	64.4	22.9	19.3
H248×249×8×13	248.0	249.0	8.0	13.0	16.0	222.0	120.5	84.7	66.5	19.2	27.0
H250×250×9×14	250.0	250.0	9.0	14.0	16.0	222.0	120.5	92.2	72.4	17.9	24.2
H250×255×14×14	250.0	255.0	14.0	14.0	16.0	222.0	120.5	104.7	82.2	18.2	15.6
H298×149×5.5×8	298.0	149.0	5.5	8.0	13.0	282.0	71.8	40.8	32.0	18.6	49.5
H300×150×6.5×9	300.0	150.0	6.5	9.0	13.0	282.0	71.8	46.8	36.7	16.7	42.2
H294×200×8×12	294.0	200.0	8.0	12.0	18.0	270.0	96.0	72.4	56.8	16.7	32.3
H294×302×12×12	294.0	302.0	12.0	12.0	18.0	270.0	145.0	107.7	84.5	25.2	21.5
H298×201×9×14	298.0	201.0	9.0	14.0	18.0	270.0	96.0	83.4	65.4	14.4	29.1
H300×300×10×15	300.0	300.0	10.0	15.0	18.0	270.0	145.0	119.8	94.0	20.0	26.4
H300×305×15×15	300.0	305.0	15.0	15.0	18.0	270.0	145.0	134.8	106.0	20.3	17.6
H304×301×11×17	304.0	301.0	11.0	17.0	18.0	270.0	145.0	134.8	106.0	17.7	24.4
H310×305×15×20	310.0	305.0	15.0	20.0	18.0	270.0	145.0	165.3	130.0	15.3	18.3
H310×310×20×20	310.0	310.0	20.0	20.0	18.0	270.0	145.0	180.8	142.0	15.5	13.7
H346×174×6×9	346.0	174.0	6.0	9.0	14.0	328.0	84.0	52.7	41.4	19.3	53.0
H350×175×7×11	350.0	175.0	7.0	11.0	14.0	328.0	84.0	63.1	49.6	15.9	46.0
H354×176×8×13	354.0	176.0	8.0	13.0	14.0	328.0	84.0	73.7	57.8	13.5	40.8
H340×250×9×14	340.0	250.0	9.0	14.0	20.0	312.0	120.5	101.5	79.7	17.9	33.3
H336×249×8×12	336.0	249.0	8.0	12.0	20.0	312.0	120.5	88.2	69.2	20.8	37.0
H338×351×13×13	338.0	351.0	13.0	13.0	20.0	312.0	169.0	135.3	106.0	27.0	22.9
H344×348×10×16	344.0	348.0	10.0	16.0	20.0	312.0	169.0	146.0	115.0	21.8	30.4
H344×354×16×16	344.0	354.0	16.0	16.0	20.0	312.0	169.0	166.6	131.0	22.1	19.0
H350×350×12×19	350.0	350.0	12.0	19.0	20.0	312.0	169.0	173.9	136.0	18.4	25.8
H350×357×19×19	350.0	357.0	19.0	19.0	20.0	312.0	169.0	198.4	156.0	18.8	16.3
H396×199×7×11	396.0	199.0	7.0	11.0	16.0	374.0	96.0	72.2	56.6	18.1	52.0
H400×200×8×13	400.0	200.0	8.0	13.0	16.0	374.0	96.0	84.1	66.0	15.4	46.0
H390×300×10×16	390.0	300.0	10.0	16.0	22.0	358.0	145.0	136.0	107.0	18.8	34.6
H388×402×15×15	388.0	402.0	15.0	15.0	22.0	358.0	193.5	178.5	140.0	26.8	22.9
H394×398×11×18	394.0	398.0	11.0	18.0	22.0	358.0	193.5	186.8	147.0	22.1	31.8

韩标规格表 H-beam specifications (KS)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
KS D 3502: 2016								cm ²	kg/m	B/t ₂	(H-2r) /t ₁
H394×405×18×18	394.0	405.0	18.0	18.0	22.0	358.0	193.5	214.4	168.0	22.5	19.4
H400×400×13×21	400.0	400.0	13.0	21.0	22.0	358.0	193.5	218.7	172.0	19.0	27.4
H400×408×21×21	400.0	408.0	21.0	21.0	22.0	358.0	193.5	250.7	197.0	19.4	17.0
H406×403×16×24	406.0	403.0	16.0	24.0	22.0	358.0	193.5	254.9	200.0	16.8	22.6
H414×405×18×28	414.0	405.0	18.0	28.0	22.0	358.0	193.5	295.4	232.0	14.5	20.6
H428×407×20×35	428.0	407.0	20.0	35.0	22.0	358.0	193.5	360.7	283.0	11.6	19.2
H458×417×30×50	458.0	417.0	30.0	50.0	22.0	358.0	193.5	528.6	415.0	8.3	13.8
H498×432×45×70	498.0	432.0	45.0	70.0	22.0	358.0	193.5	770.1	604.0	6.2	10.1
H446×199×8×12	446.0	199.0	8.0	12.0	18.0	422.0	95.5	84.3	66.2	16.6	51.3
H450×200×9×14	450.0	200.0	9.0	14.0	18.0	422.0	95.5	96.8	76.0	14.3	46.0
H434×299×10×15	434.0	299.0	10.0	15.0	24.0	404.0	144.5	135.0	106.0	19.9	38.6
H440×300×11×18	440.0	300.0	11.0	18.0	24.0	404.0	144.5	157.4	124.0	16.7	35.6
H496×199×9×14	496.0	199.0	9.0	14.0	20.0	468.0	95.0	101.3	79.5	14.2	50.7
H500×200×10×16	500.0	200.0	10.0	16.0	20.0	468.0	95.0	114.2	89.7	12.5	46.0
H506×201×11×19	506.0	201.0	11.0	19.0	20.0	468.0	95.0	131.3	103.0	10.6	42.4
H482×300×11×15	482.0	300.0	11.0	15.0	26.0	452.0	144.5	145.5	114.0	20.0	39.1
H488×300×11×18	488.0	300.0	11.0	18.0	26.0	452.0	144.5	163.5	128.0	16.7	39.6
H596×199×10×15	596.0	199.0	10.0	15.0	22.0	566.0	94.5	120.5	94.6	13.3	55.2
H600×200×11×17	600.0	200.0	11.0	17.0	22.0	566.0	94.5	134.4	106.0	11.8	50.5
H606×201×12×20	606.0	201.0	12.0	20.0	22.0	566.0	94.5	152.5	120.0	10.1	46.8
H612×202×13×23	612.0	202.0	13.0	23.0	22.0	566.0	94.5	170.7	134.0	8.8	43.7
H582×300×12×17	582.0	300.0	12.0	17.0	28.0	548.0	144.0	174.5	137.0	17.6	43.8
H588×300×12×20	588.0	300.0	12.0	20.0	28.0	548.0	144.0	192.5	151.0	15.0	44.3
H594×302×14×23	594.0	302.0	14.0	23.0	28.0	548.0	144.0	222.4	175.0	13.1	38.4
H692×300×13×20	692.0	300.0	13.0	20.0	28.0	652.0	143.5	211.5	166.0	15.0	48.9
H700×300×13×24	700.0	300.0	13.0	24.0	28.0	652.0	143.5	235.5	185.0	12.5	49.5
H708×302×15×28	708.0	302.0	15.0	28.0	28.0	652.0	143.5	273.6	215.0	10.8	43.5
H792×300×14×22	792.0	300.0	14.0	22.0	28.0	748.0	143.0	243.4	191.0	13.6	52.6
H800×300×14×26	800.0	300.0	14.0	26.0	28.0	748.0	143.0	267.4	210.0	11.5	53.1
H808×302×16×30	808.0	302.0	16.0	30.0	28.0	748.0	143.0	307.6	241.0	10.1	47.0
H890×299×15×23	890.0	299.0	15.0	23.0	28.0	844.0	142.0	270.9	213.0	13.0	55.6
H900×300×16×28	900.0	300.0	16.0	28.0	28.0	844.0	142.0	309.8	243.0	10.7	52.8
H912×302×18×34	912.0	302.0	18.0	34.0	28.0	844.0	142.0	364.0	286.0	8.9	47.6
H918×303×19×37	918.0	303.0	19.0	37.0	28.0	844.0	142.0	391.3	307.0	8.2	45.4

热轧型钢规格表

hot-rolled section steel specifications table

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B_{inside} width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
W4×13	106.0	103.0	7.1	8.8	-	88.4	48.0	24.6	19.3	11.7	-
W5×16	127.0	127.0	6.1	9.1	-	108.8	60.5	30.3	23.8	14.0	-
W5×19	131.0	128.0	6.9	10.9	-	109.2	60.6	35.9	28.1	11.7	-
W6×8.5	148.0	100.0	4.3	4.9	-	138.2	47.9	16.6	13.0	20.4	-
W6×9	150.0	100.0	4.3	5.5	-	139.0	47.9	17.2	13.5	18.2	-
W6×12	153.0	102.0	5.8	7.1	-	138.8	48.1	23.0	18.0	14.4	-
W6×16	160.0	102.0	6.6	10.3	-	139.4	47.7	30.6	24.0	9.9	-
W6×15	152.0	152.0	5.8	6.6	-	138.8	73.1	28.7	22.5	23.0	-
W6×20	157.0	153.0	6.6	9.3	-	138.4	73.2	38.0	29.8	16.5	-
W6×25	162.0	154.0	8.1	11.6	-	138.8	73.0	47.3	37.1	13.3	-
W8×10	200.0	100.0	4.3	5.2	-	189.6	47.9	19.1	15.0	19.2	-
W8×13	203.0	102.0	5.8	6.5	-	190.0	48.1	24.6	19.3	15.7	-
W8×15	206.0	102.0	6.2	8.0	-	190.0	47.9	28.7	22.5	12.8	-
W8×18	207.0	133.0	5.8	8.4	-	190.2	63.6	33.9	26.6	15.8	-
W8×21	210.0	134.0	6.4	10.2	-	189.6	63.8	39.9	31.3	13.1	-
W8×24	201.0	165.0	6.2	10.2	-	180.6	79.4	45.7	35.9	16.2	-
W8×28	205.0	166.0	7.2	11.8	-	181.4	79.4	53.1	41.7	14.1	-
W8×31	203.0	203.0	7.2	11.0	-	181.0	97.9	58.7	46.1	18.5	-
W8×35	206.0	204.0	7.9	12.6	-	180.8	98.1	66.2	52.0	16.2	-
W8×40	210.0	205.0	9.1	14.2	-	181.6	98.0	75.2	59.0	14.4	-
W8×48	216.0	206.0	10.2	17.4	-	181.2	97.9	90.5	71.0	11.8	-
W8×58	222.0	209.0	13.0	20.6	-	180.8	98.0	109.8	86.0	10.1	-
W8×67	229.0	210.0	14.5	23.7	-	181.6	97.8	127.3	100.0	8.9	-
W10×12	251.0	101.0	4.8	5.3	-	240.4	48.1	22.8	17.9	19.1	-
W10×15	254.0	102.0	5.8	6.9	-	240.2	48.1	28.4	22.3	14.8	-
W10×17	257.0	102.0	6.1	8.4	-	240.2	48.0	32.2	25.3	12.1	-
W10×19	260.0	102.0	6.4	10.0	-	240.0	47.8	36.2	28.4	10.2	-
W10×22	258.0	146.0	6.1	9.1	-	239.8	70.0	41.6	32.7	16.0	-
W10×26	262.0	147.0	6.6	11.2	-	239.6	70.2	49.1	38.5	13.1	-
W10×30	266.0	148.0	7.6	13.0	-	240.0	70.2	57.0	44.8	11.4	-
W10×33	247.0	202.0	7.4	11.0	-	225.0	97.3	62.5	49.1	18.4	-
W10×39	252.0	203.0	8.0	13.5	-	225.0	97.5	73.9	58.0	15.0	-
W10×45	257.0	204.0	8.9	15.7	-	225.6	97.6	85.4	67.0	13.0	-
W10×49	253.0	254.0	8.6	14.2	-	224.6	122.7	92.9	73.0	17.9	-
W10×54	256.0	255.0	9.4	15.6	-	224.8	122.8	101.9	80.0	16.3	-
W10×60	260.0	256.0	10.7	17.3	-	225.4	122.7	113.4	89.0	14.8	-
W10×68	264.0	257.0	11.9	19.6	-	224.8	122.6	128.7	101.0	13.1	-
W10×77	269.0	259.0	13.5	22.1	-	224.8	122.8	146.5	115.0	11.7	-

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B_{inside} width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
W10×88	275.0	261.0	15.4	25.1	-	224.8	122.8	166.9	131.0	10.4	-
W10×100	282.0	263.0	17.3	28.4	-	225.2	122.9	189.8	149.0	9.3	-
W10×112	289.0	265.0	19.2	31.8	-	225.4	122.9	212.7	167.0	8.3	-
W12×14	303.0	101.0	5.1	5.7	-	291.6	48.0	26.8	21.0	17.7	-
W12×16	305.0	101.0	5.6	6.7	-	291.6	47.7	30.3	23.8	15.1	-
W12×19	309.0	102.0	6.0	8.9	-	291.2	48.0	36.1	28.3	11.5	-
W12×22	313.0	102.0	6.6	10.8	-	291.4	47.7	41.7	32.7	9.4	-
W12×26	310.0	165.0	5.8	9.7	-	290.6	79.6	49.3	38.7	17.0	-
W12×30	313.0	166.0	6.6	11.2	-	290.6	79.7	56.7	44.5	14.8	-
W12×35	317.0	167.0	7.6	13.2	-	290.6	79.7	66.4	52.0	12.7	-
W12×40	303.0	203.0	7.5	13.1	-	276.8	97.8	76.4	60.0	15.5	-
W12×45	306.0	204.0	8.5	14.6	-	276.8	97.8	85.3	67.0	14.0	-
W12×50	310.0	205.0	9.4	16.3	-	277.4	97.8	94.4	74.0	12.6	-
W12×53	306.0	254.0	8.8	14.6	-	276.8	122.6	100.7	79.0	17.4	-
W12×58	310.0	254.0	9.1	16.3	-	277.4	122.5	109.5	86.0	15.6	-
W12×65	308.0	305.0	9.9	15.4	-	277.2	147.6	123.6	97.0	19.8	-
W12×72	311.0	306.0	10.9	17.0	-	277.0	147.6	136.4	107.0	18.0	-
W12×79	314.0	307.0	11.9	18.7	-	276.6	147.6	149.0	117.0	16.4	-
W12×87	318.0	308.0	13.1	20.6	-	276.8	147.5	164.4	129.0	15.0	-
W12×96	323.0	309.0	14.0	22.9	-	277.2	147.5	182.3	143.0	13.5	-
W12×106	327.0	310.0	15.5	25.1	-	276.8	147.3	201.3	158.0	12.4	-
W12×120	333.0	313.0	18.0	28.1	-	276.8	147.5	227.9	179.0	11.1	-
W12×136	341.0	315.0	20.1	31.8	-	277.4	147.5	257.3	202.0	9.9	-
W12×152	348.0	317.0	22.1	35.6	-	276.8	147.5	287.9	226.0	8.9	-
W12×170	356.0	319.0	24.4	39.6	-	276.8	147.3	322.4	253.0	8.1	-
W12×190	365.0	322.0	26.9	44.1	-	276.8	147.6	360.4	283.0	7.3	-
W12×210	374.0	325.0	30.0	48.3	-	277.4	147.5	398.9	313.0	6.7	-
W12×230	382.0	328.0	32.6	52.6	-	276.8	147.7	436.2	342.0	6.2	-
W12×252	391.0	330.0	35.4	57.2	-	276.6	147.3	477.4	375.0	5.8	-
W12×279	403.0	334.0	38.9	62.7	-	277.6	147.6	528.8	415.0	5.3	-
W12×305	415.0	336.0	41.3	68.7	-	277.6	147.4	578.2	454.0	4.9	-
W12×336	427.0	340.0	45.1	75.1	-	276.8	147.5	637.4	500.0	4.5	-
W14×22	349.0	127.0	5.8	8.5	-	332.0	60.6	41.9	32.9	14.9	-
W14×26	353.0	128.0	6.5	10.7	-	331.6	60.8	49.6	39.0	12.0	-
W14×30	352.0	171.0	6.9	9.8	-	332.4	82.1	56.9	44.6	17.4	-
W14×34	355.0	171.0	7.2	11.6	-	331.8	81.9	65.0	51.0	14.7	-
W14×38	358.0	172.0	7.9	13.1	-	331.8	82.1	73.8	58.0	13.1	-
W14×43	347.0	203.0	7.7	13.5	-	320.0	97.7	81.7	64.0	15.0	-

热轧型钢规格表

hot-rolled section steel specifications table

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t _f	(H-2r)/t _w
W14×48	350.0	204.0	8.6	15.1	-	319.8	97.7	91.6	72.0	13.5	-
W14×53	354.0	205.0	9.4	16.8	-	320.4	97.8	100.7	79.0	12.2	-
W14×61	353.0	254.0	9.5	16.4	-	320.2	122.3	115.9	91.0	15.5	-
W14×68	357.0	255.0	10.5	18.3	-	320.4	122.3	128.7	101.0	13.9	-
W14×74	360.0	256.0	11.4	19.9	-	320.2	122.3	140.1	110.0	12.9	-
W14×82	363.0	257.0	13.0	21.7	-	319.6	122.0	155.3	122.0	11.8	-
W14×90	356.0	369.0	11.2	18.0	-	320.0	178.9	170.6	134.0	20.5	-
W14×99	360.0	370.0	12.3	19.8	-	320.4	178.9	187.4	147.0	18.7	-
W14×109	364.0	371.0	13.3	21.8	-	320.4	178.9	206.3	162.0	17.0	-
W14×120	368.0	373.0	15.0	23.9	-	320.2	179.0	228.0	179.0	15.6	-
W14×132	372.0	374.0	16.4	26.2	-	319.6	178.8	249.6	196.0	14.3	-
W14×145	375.0	394.0	17.3	27.7	-	319.6	188.4	275.2	216.0	14.2	-
W14×159	380.0	395.0	18.9	30.2	-	319.6	188.1	302.1	237.0	13.1	-
W14×176	387.0	398.0	21.1	33.3	-	320.4	188.5	333.7	262.0	12.0	-
W14×193	393.0	399.0	22.6	36.6	-	319.8	188.2	365.6	287.0	10.9	-
W14×211	399.0	401.0	24.9	39.6	-	319.8	188.1	400.0	314.0	10.1	-
W14×233	407.0	404.0	27.2	43.7	-	319.6	188.4	442.0	347.0	9.2	-
W14×257	416.0	406.0	29.8	48.0	-	320.0	188.1	486.8	382.0	8.5	-
W14×283	425.0	409.0	32.8	52.6	-	319.8	188.1	536.0	421.0	7.8	-
W14×311	435.0	412.0	35.8	57.4	-	320.2	188.1	589.5	463.0	7.2	-
W14×342	446.0	416.0	39.1	62.7	-	320.6	188.5	649.0	509.0	6.6	-
W14×370	455.0	418.0	42.0	67.6	-	319.8	188.0	701.4	551.0	6.2	-
W14×398	465.0	421.0	45.0	72.3	-	320.4	188.0	753.8	592.0	5.8	-
W14×426	474.0	424.0	47.6	77.1	-	319.8	188.2	808.0	634.0	5.5	-
W14×455	483.0	428.0	51.2	81.5	-	320.0	188.4	862.3	677.0	5.3	-
W14×500	498.0	432.0	55.6	88.9	-	320.2	188.2	948.1	744.0	4.9	-
W14×550	514.0	437.0	60.5	97.0	-	320.0	188.3	1042.0	818.0	4.5	-
W14×605	531.0	442.0	65.9	106.0	-	319.0	188.1	1148.0	900.0	4.2	-
W14×665	550.0	448.0	71.9	115.0	-	320.0	188.1	1261.0	990.0	3.9	-
W16×26	399.0	140.0	6.4	8.8	-	381.4	66.8	49.5	38.8	15.9	-
W16×31	403.0	140.0	7.0	11.2	-	380.6	66.5	58.7	46.1	12.5	-
W16×36	403.0	177.0	7.5	10.9	-	381.2	84.8	67.5	53.0	16.2	-
W16×40	407.0	178.0	7.7	12.8	-	381.4	85.2	76.4	60.0	13.9	-
W16×45	410.0	179.0	8.8	14.4	-	381.2	85.1	85.3	67.0	12.4	-
W16×50	413.0	180.0	9.7	16.0	-	381.0	85.2	95.6	75.0	11.3	-
W16×57	417.0	181.0	10.9	18.2	-	380.6	85.1	108.2	85.0	9.9	-
W16×67	415.0	260.0	10.0	16.9	-	381.2	125.0	127.5	100.0	15.4	-
W16×77	420.0	261.0	11.6	19.3	-	381.4	124.7	145.3	114.0	13.5	-

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准 (规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸 /mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t _f	(H-2r)/t _w
W16×89	425.0	263.0	13.3	22.2	-	380.6	124.9	168.3	132.0	11.8	-
W16×100	431.0	265.0	14.9	25.0	-	381.0	125.1	189.8	149.0	10.6	-
W18×35	450.0	152.0	7.6	10.8	-	428.4	72.2	66.3	52.0	14.1	-
W18×40	455.0	153.0	8.0	13.3	-	428.4	72.5	76.4	60.0	11.5	-
W18×46	459.0	154.0	9.1	15.4	-	428.2	72.5	86.6	68.0	10.0	-
W18×50	457.0	190.0	9.0	14.5	-	428.0	90.5	94.3	74.0	13.1	-
W18×55	460.0	191.0	9.9	16.0	-	428.0	90.6	104.5	82.0	11.9	-
W18×60	463.0	192.0	10.5	17.7	-	427.6	90.8	113.4	89.0	10.8	-
W18×65	466.0	193.0	11.4	19.0	-	428.0	90.8	123.6	97.0	10.2	-
W18×71	469.0	194.0	12.6	20.6	-	427.8	90.7	135.1	106.0	9.4	-
W18×76	463.0	280.0	10.8	17.3	-	428.4	134.6	144.0	113.0	16.2	-
W18×86	467.0	282.0	12.2	19.6	-	427.8	134.9	163.0	128.0	14.4	-
W18×97	472.0	283.0	13.6	22.1	-	427.8	134.7	183.5	144.0	12.8	-
W18×106	476.0	284.0	15.0	23.9	-	428.2	134.5	201.2	158.0	11.9	-
W18×119	482.0	286.0	16.6	26.9	-	428.2	134.7	225.5	177.0	10.6	-
W18×130	489.0	283.0	17.0	30.5	-	428.0	133.0	245.9	193.0	9.3	-
W18×143	495.0	285.0	18.5	33.5	-	428.0	133.3	271.4	213.0	8.5	-
W18×158	501.0	287.0	20.6	36.6	-	427.8	133.2	299.4	235.0	7.8	-
W18×175	509.0	289.0	22.6	40.4	-	428.2	133.2	331.1	260.0	7.2	-
W18×192	517.0	291.0	24.4	44.4	-	428.2	133.3	364.3	286.0	6.6	-
W18×211	525.0	293.0	26.9	48.5	-	428.0	133.1	401.3	315.0	6.0	-
W18×234	535.0	296.0	29.5	53.6	-	427.8	133.3	444.4	349.0	5.5	-
W18×258	545.0	299.0	32.5	58.4	-	428.2	133.3	489.3	384.0	5.1	-
W18×283	555.0	302.0	35.6	63.5	-	428.0	133.2	536.8	421.0	4.8	-
W18×311	567.0	305.0	38.6	69.6	-	427.8	133.2	590.5	464.0	4.4	-
W21×44	525.0	165.0	8.9	11.4	-	502.2	78.1	84.0	66.0	14.5	-
W21×50	529.0	166.0	9.7	13.6	-	501.8	78.2	94.3	74.0	12.2	-
W21×57	535.0	166.0	10.3	16.5	-	502.0	77.9	108.4	85.0	10.1	-
W21×48	524.0	207.0	9.0	10.9	-	502.2	99.0	91.8	72.0	19.0	-
W21×55	528.0	209.0	9.5	13.3	-	501.4	99.8	104.5	82.0	15.7	-
W21×62	533.0	209.0	10.2	15.6	-	501.8	99.4	117.3	92.0	13.4	-
W21×68	537.0	210.0	10.9	17.4	-	502.2	99.6	128.7	101.0	12.1	-
W21×73	539.0	211.0	11.6	18.8	-	501.4	99.7	138.9	109.0	11.2	-
W21×83	544.0	212.0	13.1	21.2	-	501.6	99.5	156.6	123.0	10.0	-
W21×93	549.0	214.0	14.7	23.6	-	501.8	99.7	175.8	138.0	9.1	-
W21×101	543.0	312.0	12.7	20.3	-	502.4	149.7	191.0	150.0	15.4	-
W21×111	546.0	313.0	14.0	22.2	-	501.6	149.5	210.2	165.0	14.1	-
W21×122	551.0	315.0	15.2	24.4	-	502.2	149.9	232.0	182.0	12.9	-

热轧型钢规格表

hot-rolled section steel specifications table

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
W21×132	554.0	316.0	16.5	26.3	-	501.4	149.8	249.6	196.0	12.0	-
W21×147	560.0	318.0	18.3	29.2	-	501.6	149.9	279.0	219.0	10.9	-
W21×166	571.0	315.0	19.0	34.5	-	502.0	148.0	315.8	248.0	9.1	-
W21×182	577.0	317.0	21.1	37.6	-	501.8	148.0	346.5	272.0	8.4	-
W21×201	585.0	319.0	23.1	41.4	-	502.2	148.0	382.1	300.0	7.7	-
W21×223	593.0	322.0	25.4	45.5	-	502.0	148.3	423.0	332.0	7.1	-
W21×248	603.0	324.0	27.9	50.5	-	502.0	148.1	469.2	369.0	6.4	-
W21×275	613.0	327.0	31.0	55.6	-	501.8	148.0	521.1	409.0	5.9	-
W24×55	599.0	178.0	10.0	12.8	-	573.4	84.0	104.4	82.0	13.9	-
W24×62	603.0	179.0	10.9	15.0	-	573.0	84.1	117.2	92.0	11.9	-
W24×68	603.0	228.0	10.5	14.9	-	573.2	108.8	128.7	101.0	15.3	-
W24×76	608.0	228.0	11.2	17.3	-	573.4	108.4	144.0	113.0	13.2	-
W24×84	612.0	229.0	11.9	19.6	-	572.8	108.6	159.2	125.0	11.7	-
W24×94	617.0	230.0	13.1	22.2	-	572.6	108.5	178.4	140.0	10.4	-
W24×103	623.0	229.0	14.0	24.9	-	573.2	107.5	195.0	153.0	9.2	-
W24×104	611.0	324.0	12.7	19.0	-	573.0	155.7	197.6	155.0	17.1	-
W24×117	616.0	325.0	14.0	21.6	-	572.8	155.5	221.6	174.0	15.0	-
W24×131	622.0	327.0	15.4	24.4	-	573.2	155.8	248.4	195.0	13.4	-
W24×146	628.0	328.0	16.5	27.7	-	572.6	155.8	276.5	217.0	11.8	-
W24×162	635.0	329.0	17.9	31.0	-	573.0	155.6	307.0	241.0	10.6	-
W24×176	641.0	327.0	19.0	34.0	-	573.0	154.0	333.7	262.0	9.6	-
W24×192	647.0	329.0	20.6	37.1	-	572.8	154.2	363.2	285.0	8.9	-
W24×207	653.0	330.0	22.1	39.9	-	573.2	154.0	391.1	307.0	8.3	-
W24×229	661.0	333.0	24.4	43.9	-	573.2	154.3	434.4	341.0	7.6	-
W24×250	669.0	335.0	26.4	48.0	-	573.0	154.3	473.9	372.0	7.0	-
W24×279	679.0	338.0	29.5	53.1	-	572.8	154.3	529.9	415.0	6.4	-
W24×306	689.0	340.0	32.0	57.9	-	573.2	154.0	579.1	455.0	5.9	-
W24×335	699.0	343.0	35.1	63.0	-	573.0	154.0	634.2	498.0	5.4	-
W24×370	711.0	347.0	38.6	69.1	-	572.8	154.2	701.5	551.0	5.0	-
W27×84	678.0	253.0	11.7	16.3	-	645.4	120.7	159.2	125.0	15.5	-
W27×94	684.0	254.0	12.4	18.9	-	646.2	120.8	178.3	140.0	13.4	-
W27×102	688.0	254.0	13.1	21.1	-	645.8	120.5	193.7	152.0	12.0	-
W27×114	693.0	256.0	14.5	23.6	-	645.8	120.8	216.7	170.0	10.8	-
W27×129	702.0	254.0	15.5	27.9	-	646.2	119.3	244.7	192.0	9.1	-
W27×146	695.0	355.0	15.4	24.8	-	645.4	169.8	276.5	217.0	14.3	-
W27×161	701.0	356.0	16.8	27.4	-	646.2	169.6	305.8	240.0	13.0	-
W27×178	706.0	358.0	18.4	30.2	-	645.6	169.8	337.5	265.0	11.9	-
W27×194	714.0	356.0	19.0	34.0	-	646.0	168.5	368.3	289.0	10.5	-

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
W27×217	722.0	359.0	21.1	38.1	-	645.8	169.0	411.5	323.0	9.4	-
W27×235	728.0	360.0	23.1	40.9	-	646.2	168.5	445.9	350.0	8.8	-
W27×258	736.0	362.0	24.9	45.0	-	646.0	168.6	489.1	384.0	8.0	-
W27×281	744.0	364.0	26.9	49.0	-	646.0	168.6	533.9	419.0	7.4	-
W27×307	752.0	367.0	29.5	53.1	-	645.8	168.8	582.2	457.0	6.9	-
W27×336	762.0	369.0	32.0	57.9	-	646.2	168.5	637.5	500.0	6.4	-
W27×368	772.0	372.0	35.1	63.0	-	646.0	168.5	698.9	548.0	5.9	-
W27×539	826.0	387.0	50.0	89.9	-	646.2	168.5	1022.0	802.0	4.3	-
W30×90	750.0	264.0	11.9	15.5	-	719.0	126.1	170.8	134.0	17.0	-
W30×99	753.0	265.0	13.2	17.0	-	719.0	125.9	187.2	147.0	15.6	-
W30×108	758.0	266.0	13.8	19.3	-	719.4	126.1	205.1	161.0	13.8	-
W30×116	762.0	267.0	14.4	21.6	-	718.8	126.3	220.3	173.0	12.4	-
W30×124	766.0	267.0	14.9	23.6	-	718.8	126.1	235.6	185.0	11.3	-
W30×132	770.0	268.0	15.6	25.4	-	719.2	126.2	249.8	196.0	10.6	-
W30×148	779.0	266.0	16.5	30.0	-	719.0	124.8	280.2	220.0	8.9	-
W30×173	773.0	381.0	16.6	27.1	-	718.8	182.2	327.5	257.0	14.1	-
W30×191	779.0	382.0	18.0	30.1	-	718.8	182.0	361.8	284.0	12.7	-
W30×211	786.0	384.0	19.7	33.4	-	719.2	182.2	400.1	314.0	11.5	-
W30×235	795.0	382.0	21.1	38.1	-	718.8	180.5	445.8	350.0	10.0	-
W30×261	803.0	385.0	23.6	41.9	-	719.2	180.7	495.8	389.0	9.2	-
W30×292	813.0	387.0	25.9	47.0	-	719.0	180.6	553.4	434.0	8.2	-
W30×326	823.0	390.0	29.0	52.1	-	718.8	180.5	616.8	484.0	7.5	-
W30×357	833.0	393.0	31.5	56.9	-	719.2	180.8	677.2	531.0	6.9	-
W30×391	843.0	396.0	34.5	62.0	-	719.0	180.8	742.5	582.0	6.4	-
W33×118	835.0	292.0	14.0	18.8	-	797.4	139.0	224.9	176.0	15.5	-
W33×130	840.0	292.0	14.7	21.7	-	796.6	138.7	245.8	193.0	13.5	-
W33×141	846.0	293.0	15.4	24.4	-	797.2	138.8	267.7	210.0	12.0	-
W33×152	851.0	294.0	16.1	26.8	-	797.4	139.0	287.9	226.0	11.0	-
W33×169	859.0	292.0	17.0	31.0	-	797.0	137.5	320.0	251.0	9.4	-
W33×201	855.0	400.0	18.2	29.2	-	796.6	190.9	380.5	299.0	13.7	-
W33×221	862.0	401.0	19.7	32.4	-	797.2	190.7	418.8	329.0	12.4	-
W33×241	868.0	403.0	21.1	35.6	-	796.8	191.0	457.0	359.0	11.3	-
W33×263	877.0	401.0	22.1	39.9	-	797.2	189.5	499.6	392.0	10.1	-
W33×291	885.0	404.0	24.4	43.9	-	797.2	189.8	551.2	433.0	9.2	-
W33×318	893.0	406.0	26.4	48.0	-	797.0	189.8	602.1	473.0	8.5	-
W33×354	903.0	409.0	29.5	53.1	-	796.8	189.8	671.3	527.0	7.7	-
W33×387	913.0	411.0	32.0	57.9	-	797.2	189.5	734.5	576.0	7.1	-
W36×135	903.0	304.0	15.2	20.1	-	862.8	144.4	256.8	201.0	15.1	-

热轧型钢规格表

hot-rolled section steel specifications table

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
ASTM A6/A6M-13								cm ²	kg/m	B/ t_2	(H-2r)/ t_1
W36×150	911.0	304.0	15.9	23.9	-	863.2	144.1	284.5	223.0	12.7	-
W36×160	915.0	305.0	16.5	25.9	-	863.2	144.3	303.9	238.0	11.8	-
W36×170	919.0	306.0	17.3	27.9	-	863.2	144.4	322.0	253.0	11.0	-
W36×182	923.0	307.0	18.4	30.0	-	863.0	144.3	344.9	271.0	10.2	-
W36×194	927.0	308.0	19.4	32.0	-	863.0	144.3	368.0	289.0	9.6	-
W36×210	932.0	309.0	21.1	34.5	-	863.0	144.0	398.7	313.0	9.0	-
W36×232	943.0	308.0	22.1	39.9	-	863.2	143.0	440.0	345.0	7.7	-
W36×256	951.0	310.0	24.4	43.9	-	863.2	142.8	484.7	381.0	7.1	-
W36×231	927.0	418.0	19.3	32.0	-	863.0	199.4	439.4	344.0	13.1	-
W36×247	931.0	419.0	20.3	34.4	-	862.2	199.4	468.7	368.0	12.2	-
W36×262	936.0	420.0	21.3	36.6	-	862.8	199.4	496.6	390.0	11.5	-
W36×282	943.0	422.0	22.5	39.9	-	863.2	199.8	534.4	420.0	10.6	-
W36×302	948.0	423.0	24.0	42.7	-	862.6	199.5	571.7	449.0	9.9	-
W36×330	957.0	422.0	25.9	47.0	-	863.0	198.1	625.6	491.0	9.0	-
W36×361	965.0	425.0	28.4	51.1	-	862.8	198.3	684.8	537.0	8.3	-
W36×395	975.0	427.0	31.0	55.9	-	863.2	198.0	748.4	588.0	7.6	-
W36×441	987.0	431.0	34.5	62.0	-	863.0	198.3	835.6	656.0	7.0	-
W36×487	999.0	434.0	38.1	68.1	-	862.8	198.0	923.3	725.0	6.4	+
W36×529	1011.0	437.0	40.9	73.9	-	863.2	198.1	1002.0	787.0	5.9	-
W36×652	1043.0	446.0	50.0	89.9	-	863.2	198.0	1235.0	970.0	5.0	-
W36×723	1061.0	451.0	55.0	99.1	-	862.8	198.0	1372.0	1077.0	4.6	-
W40×149	970.0	300.0	16.0	21.1	-	927.8	142.0	280.4	222.0	14.2	-
W40×167	980.0	300.0	16.5	26.0	-	928.0	141.8	316.8	249.0	11.5	+
W40×183	990.0	300.0	16.5	31.0	-	928.0	141.8	346.8	272.0	9.7	-
W40×211	1000.0	300.0	19.1	35.9	-	928.2	140.5	400.4	314.0	8.4	-
W40×235	1008.0	302.0	21.1	40.0	-	928.0	140.5	445.1	350.0	7.6	-
W40×264	1016.0	303.0	24.4	43.9	-	928.2	139.3	500.2	393.0	6.9	-
W40×278	1020.0	304.0	26.0	46.0	-	928.0	139.0	528.7	415.0	6.6	-
W40×294	1026.0	305.0	26.9	49.0	-	928.0	139.1	556.3	438.0	6.2	-
W40×327	1036.0	308.0	30.0	54.1	-	927.8	139.0	619.3	486.0	5.7	+
W40×331	1036.0	309.0	31.0	54.0	-	928.0	139.0	629.1	494.0	5.7	-
W40×392	1056.0	314.0	36.0	64.0	-	928.0	139.0	743.7	584.0	4.9	-
W40×199	982.0	400.0	16.5	27.1	-	927.8	191.8	377.6	296.0	14.8	-
W40×215	990.0	404.0	16.5	31.0	-	928.0	193.8	411.3	321.0	13.0	-
W40×249	1000.0	400.0	19.0	36.1	-	927.8	190.5	472.8	371.0	11.1	-
W40×277	1008.0	402.0	21.1	40.0	-	928.0	190.5	525.1	412.0	10.1	-
W40×297	1012.0	402.0	23.6	41.9	-	928.2	189.2	563.7	443.0	9.6	-
W40×324	1020.0	404.0	25.4	46.0	-	928.0	189.3	615.1	483.0	8.8	-

美标规格 H-beam specifications (ASTM)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
ASTM A6/A6M-13								kg/m	B/ t_2	(H-2r)/ t_1	
W40×362	1030.0	407.0	28.4	51.1	-	927.8	189.3	687.2	539.0	8.0	-
W40×372	1032.0	408.0	29.5	52.0	-	928.0	189.3	705.8	554.0	7.8	-
W40×397	1040.0	409.0	31.0	55.9	-	928.2	189.0	752.7	591.0	7.3	-
W40×431	1048.0	412.0	34.0	60.0	-	928.0	189.0	817.6	642.0	6.9	-
W40×503	1068.0	417.0	39.0	70.0	-	928.0	189.0	953.4	748.0	6.0	-
W40×593	1092.0	424.0	45.5	82.0	-	928.0	189.3	1125.0	883.0	5.2	-
W40×655	1108.0	428.0	50.0	89.9	-	928.2	189.0	1244.0	976.0	4.8	-
W44×230	1090.0	400.0	18.0	31.0	-	1028.0	191.0	436.5	343.0	12.9	-
W44×262	1100.0	400.0	20.0	36.0	-	1028.0	190.0	497.0	390.0	11.1	-
W44×290	1108.0	402.0	22.0	40.0	-	1028.0	190.0	551.2	433.0	10.1	-
W44×335	1118.0	405.0	26.0	45.0	-	1028.0	189.5	635.2	499.0	9.0	-
HP8×29	200.0	205.0	9.0	9.0	-	182.0	98.0	54.7	43.0	22.8	-
HP8×36	204.0	207.0	11.3	11.3	-	181.4	97.9	67.6	53.0	18.3	-
HP10×42	246.0	256.0	10.5	10.7	-	224.6	122.8	78.9	62.0	23.9	-
HP10×57	254.0	260.0	14.4	14.4	-	225.2	122.8	108.3	85.0	18.1	-
HP12×53	299.0	306.0	11.0	11.0	-	277.0	147.5	100.6	79.0	27.8	-
HP12×63	303.0	308.0	13.1	13.1	-	276.8	147.5	118.4	93.0	23.5	-
HP12×74	308.0	310.0	15.4	15.5	-	277.0	147.3	140.2	110.0	20.0	-
HP12×84	312.0	312.0	17.4	17.4	-	277.2	147.3	159.3	125.0	17.9	-
HP12×89	314.0	313.0	18.3	18.3	-	277.4	147.4	168.1	132.0	17.1	-
HP14×73	346.0	370.0	12.8	12.8	-	320.4	178.6	137.7	108.0	28.9	-
HP14×89	351.0	373.0	15.6	15.6	-	319.8	178.7	168.2	132.0	23.9	-
HP14×102	356.0	376.0	17.9	17.9	-	320.2	179.1	193.6	152.0	21.0	-
HP14×117	361.0	378.0	20.4	20.4	-	320.2	178.8	221.7	174.0	18.5	-
HP16×88	389.0	398.0	13.7	13.7	-	361.6	192.2	166.8	131.0	29.1	-
HP16×101	394.0	400.0	15.9	15.9	-	362.2	192.1	192.5	151.0	25.2	-
HP16×121	400.0	403.0	19.1	19.1	-	361.8	192.0	230.8	181.0	21.1	-
HP16×141	406.0	406.0	22.2	22.2	-	361.6	191.9	268.8	211.0	18.3	-
HP16×162	413.0	410.0	25.4	25.4	-	362.2	192.3	308.5	242.0	16.1	-
HP16×183	419.0	413.0	28.6	28.6	-	361.8	192.2	347.4	272.0	14.4	-
HP18×135	445.0	451.0	19.1	19.1	-	406.8	216.0	257.7	202.0	23.6	-
HP18×157	451.0	454.0	22.1	22.1	-	406.8	216.0	298.3	234.0	20.5	-
HP18×181	457.0	457.0	25.4	25.4	-	406.2	215.8	343.1	269.0	18.0	-
HP18×204	464.0	460.0	28.6	28.6	-	406.8	215.7	387.2	304.0	16.1	-

热轧型钢规格表

hot-rolled section steel specifications table

英标规格 H-beam specifications (BS)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area cm ²	理论 重量 Overlapping waves theory kg/m	翼缘 宽厚比 Flange width thickness ratio B/t ₂	腹板 宽厚比 Web width thickness ratio (H-2r) /t ₁
	高度H Height	宽度B Breadth	腹板 厚度t ₂ Web thickness	翼缘 厚度t ₁ Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
B152×152×23	152.4	152.2	5.8	6.8	7.6	138.8	73.2	29.3	23.0	22.4	23.7
B152×152×30	157.6	152.9	6.5	9.4	7.6	138.8	73.2	38.3	30.0	16.3	21.9
B152×152×37	161.8	154.4	8.0	11.5	7.6	138.8	73.2	47.1	37.0	13.4	18.3
B203×102×23	203.2	101.8	5.4	9.3	7.6	184.6	48.2	29.4	23.1	10.9	34.8
B203×133×25	203.2	133.2	5.7	7.8	7.6	187.6	63.8	32.0	25.1	17.1	33.0
B203×133×30	206.8	133.9	6.4	9.6	7.6	187.6	63.8	38.2	30.0	13.9	29.9
B203×203×45	200.2	205.9	9.5	9.5	10.2	181.2	98.2	57.2	44.9	21.7	18.9
B203×203×46	203.2	203.6	7.2	11.0	10.2	181.2	98.2	58.7	46.1	18.5	25.4
B203×203×52	206.2	204.3	7.9	12.5	10.2	181.2	98.2	66.3	52.0	16.3	23.5
B203×203×54	204.0	207.7	11.3	11.4	10.2	181.2	98.2	68.7	53.9	18.2	16.2
B203×203×60	209.6	205.8	9.4	14.2	10.2	181.2	98.2	76.4	60.0	14.5	20.1
B203×203×71	215.8	206.4	10.0	17.3	10.2	181.2	98.2	90.4	71.0	11.9	19.5
B203×203×86	222.2	209.1	12.7	20.5	10.2	181.2	98.2	109.6	86.1	10.2	15.9
B254×102×22	254.0	101.6	5.7	6.8	7.6	240.4	48.0	28.0	22.0	14.9	41.9
B254×102×25	257.2	101.9	6.0	8.4	7.6	240.4	48.0	32.0	25.2	12.1	40.3
B254×102×28	260.4	102.2	6.3	10.0	7.6	240.4	48.0	36.1	28.3	10.2	38.9
B254×146×31	251.4	146.1	6.0	8.6	7.6	234.2	70.1	39.7	31.1	17.0	39.4
B254×146×37	256.0	146.4	6.3	10.9	7.6	234.2	70.1	47.2	37.0	13.4	38.2
B254×146×43	259.6	147.3	7.2	12.7	7.6	234.2	70.1	54.8	43.0	11.6	33.9
B254×254×63	247.1	256.6	10.6	10.7	12.7	225.7	123.0	80.2	63.0	24.0	20.9
B254×254×71	249.7	258.0	12.0	12.0	12.7	225.7	123.0	90.4	71.0	21.5	18.7
B254×254×73	254.1	254.6	8.6	14.2	12.7	225.7	123.0	93.1	73.1	17.9	26.6
B254×254×85	254.3	260.4	14.4	14.3	12.7	225.7	123.0	108.4	85.1	18.2	15.9
B254×254×89	260.3	256.3	10.3	17.3	12.7	225.7	123.0	113.3	88.9	14.8	22.8
B254×254×107	266.7	258.8	12.8	20.5	12.7	225.7	123.0	136.4	107.1	12.6	18.9
B254×254×132	276.3	261.3	15.3	25.3	12.7	225.7	123.0	168.1	132.0	10.3	16.4
B254×254×167	289.1	265.2	19.2	31.7	12.7	225.7	123.0	212.9	167.1	8.4	13.7
B305×102×25	305.1	101.6	5.8	7.0	7.6	291.1	47.9	31.6	24.8	14.5	50.0
B305×102×28	308.7	101.8	6.0	8.8	7.6	291.1	47.9	35.9	28.2	11.6	48.9
B305×102×33	312.7	102.4	6.6	10.8	7.6	291.1	47.9	41.8	32.8	9.5	45.1
B305×165×40	303.4	165.0	6.0	10.2	8.9	283.0	79.5	51.3	40.3	16.2	47.6
B305×165×46	306.6	165.7	6.7	11.8	8.9	283.0	79.5	58.8	46.1	14.0	43.1
B305×165×54	310.4	166.9	7.9	13.7	8.9	283.0	79.5	68.8	54.0	12.2	37.0
B305×305×79	299.3	306.4	11.0	11.1	15.2	277.1	147.7	100.5	78.9	27.6	24.4
B305×305×88	301.7	307.8	12.4	12.3	15.2	277.1	147.7	112.1	88.0	25.0	21.9
B305×305×95	303.7	308.7	13.3	13.3	15.2	277.1	147.7	121.0	94.9	23.2	20.5
B305×305×97	307.9	305.3	9.9	15.4	15.2	277.1	147.7	123.4	96.9	19.8	28.0
B305×305×110	307.9	310.7	15.3	15.4	15.2	277.1	147.7	140.1	110.0	20.2	18.1

英标规格 H-beam specifications (BS)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area cm ²	理论 重量 Overlapping waves theory kg/m	翼缘 宽厚比 Flange width thickness ratio B/t ₂	腹板 宽厚比 Web width thickness ratio (H-2r) /t ₁
	高度H Height	宽度B Breadth	腹板 厚度t ₂ Web thickness	翼缘 厚度t ₁ Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
B305×305×118	314.5	307.4	12.0	18.7	15.2	277.1	147.7	150.2	117.9	16.4	23.7
B305×305×126	312.3	312.9	17.5	17.6	15.2	277.1	147.7	160.6	126.1	17.8	16.1
B305×305×137	320.5	309.2	13.8	21.7	15.2	277.1	147.7	174.4	136.9	14.2	21.0
B305×305×149	318.5	316.0	20.6	20.7	15.2	277.1	147.7	189.9	149.1	15.3	14.0
B305×305×158	327.1	311.2	15.8	25.0	15.2	277.1	147.7	201.4	158.1	12.4	18.8
B305×305×180	326.7	319.7	24.8	24.8	15.2	277.1	147.5	229.3	180.0	12.9	11.9
B305×305×186	328.3	320.9	25.5	25.6	15.2	277.1	147.7	236.9	186.0	12.5	11.7
B305×305×198	339.9	314.5	19.1	31.4	15.2	277.1	147.7	252.4	198.1	10.0	16.2
B305×305×223	337.9	325.7	30.3	30.4	15.2	277.1	147.7	284.0	222.9	10.7	10.1
B305×305×240	352.5	318.4	23.0	37.7	15.2	277.1	147.7	305.8	240.0	8.4	14.0
B305×305×283	365.3	322.2	26.8	44.1	15.2	277.1	147.7	360.4	282.9	7.3	12.5
B356×171×45	351.4	171.1	7.0	9.7	10.2	332.0	82.1	57.3	45.0	17.6	47.3
B356×171×51	355.0	171.5	7.4	11.5	10.2	332.0	82.1	64.9	51.0	14.9	45.2
B356×171×57	358.0	172.2	8.1	13.0	10.2	332.0	82.1	72.6	57.0	13.2	41.7
B356×171×67	363.4	173.2	9.1	15.7	10.2	332.0	82.1	85.5	67.1	11.0	37.7
B356×368×109	346.4	371.0	12.8	12.9	15.2	320.6	179.1	138.7	108.9	28.8	24.7
B356×368×129	355.6	368.6	10.4	17.5	15.2	320.6	179.1	164.3	129.0	21.1	31.3
B356×368×133	352.0	373.8	15.6	15.7	15.2	320.6	179.1	169.4	133.0	23.8	20.6
B356×368×152	356.4	376.0	17.8	17.9	15.2	320.6	179.1	193.7	152.0	21.0	18.3
B356×368×153	362.0	370.5	12.3	20.7	15.2	320.6	179.1	194.8	152.9	17.9	27.0
B356×368×174	361.4	378.5	20.3	20.4	15.2	320.6	179.1	221.5	173.9	18.6	16.3
B356×368×177	368.2	372.6	14.4	23.8	15.2	320.6	179.1	225.5	177.0	15.7	23.5
B356×368×202	374.6	374.7	16.5	27.0	15.2	320.6	179.1	257.2	201.9	13.9	20.9
B356×406×235	381.0	394.8	18.4	30.2	15.2	320.6	188.2	299.4	235.1	13.1	19.1
B356×406×287	393.6	399.0	22.6	36.5	15.2	320.6	188.2	365.7	287.1	10.9	16.1
B356×406×340	406.4	403.0	26.6	42.9	15.2	320.6	188.2	433.0	339.9	9.4	14.1
B356×406×393	419.0	407.0	30.6	49.2	15.2	320.6	188.2	500.6	393.0	8.3	12.7
B356×406×467	436.6	412.2	35.8	58.0	15.2	320.6	188.2	594.9	467.0	7.1	11.3
B356×406×551	455.6	418.5	42.1	67.5	15.2	320.6	188.2	701.9	551.0	6.2	10.1
B356×406×634	474.6	424.0	47.6	77.0	15.2	320.6	188.2	807.5	633.9	5.5	9.3
B406×140×39	398.0	141.8	6.4	8.6	10.2	380.8	67.7	49.7	39.0	16.5	59.0
B406×140×46	403.2	142.2	6.8	11.2	10.2	380.8	67.7	58.6	46.0	12.7	56.3
B406×178×54	402.6	177.7	7.7	10.9	10.2	380.8	85.0	69.0	54.1	16.3	49.6
B406×178×60	406.4	177.9	7.9	12.8	10.2	380.8	85.0	76.5	60.1	13.9	48.9
B406×178×67	409.4	178.8	8.8	14.3	10.2	380.8	85.0	85.5	67.1	12.5	44.2
B406×178×74	412.8	179.5	9.5	16.0	10.2	380.8	85.0	94.5	74.2	11.2	41.3
B457×152×52	449.8	152.4	7.6	10.9	10.2	428.0	72.4	66.6	52.3	14.0	56.5
B457×152×60	454.6	152.9	8.1	13.3	10.2	428.0	72.4	76.2	59.8	11.5	53.6

热轧型钢规格表

hot-rolled section steel specifications table

英标规格 H-beam specifications (BS)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
BS 4-1:2005								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
B457×152×67	458.0	153.8	9.0	15.0	10.2	428.0	72.4	85.6	67.2	10.3	48.6
B457×152×74	462.0	154.4	9.6	17.0	10.2	428.0	72.4	94.5	74.2	9.1	46.0
B457×152×82	465.8	155.3	10.5	18.9	10.2	428.0	72.4	104.5	82.1	8.2	42.4
B457×191×67	453.4	189.9	8.5	12.7	10.2	428.0	90.7	85.5	67.1	15.0	50.9
B457×191×74	457.0	190.4	9.0	14.5	10.2	428.0	90.7	94.6	74.3	13.1	48.5
B457×191×82	460.0	191.3	9.9	16.0	10.2	428.0	90.7	104.5	82.0	12.0	44.4
B457×191×89	463.4	191.9	10.5	17.7	10.2	428.0	90.7	113.8	89.3	10.8	42.2
B457×191×98	467.2	192.8	11.4	19.6	10.2	428.0	90.7	125.3	98.3	9.8	39.2
B533×210×82	528.3	208.8	9.6	13.2	12.7	501.9	99.6	104.7	82.2	15.8	52.4
B533×210×92	533.1	209.3	10.1	15.6	12.7	501.9	99.6	117.4	92.1	13.4	50.3
B533×210×101	536.7	210.0	10.8	17.4	12.7	501.9	99.6	128.7	101.0	12.1	47.3
B533×210×109	539.5	210.8	11.6	18.8	12.7	501.9	99.6	138.9	109.0	11.2	44.3
B533×210×122	544.5	211.9	12.7	21.3	12.7	501.9	99.6	155.4	122.0	9.9	40.9
B610×229×101	602.6	227.6	10.5	14.8	12.7	573.0	108.6	128.9	101.2	15.4	55.0
B610×229×113	607.6	228.2	11.1	17.3	12.7	573.0	108.6	143.9	113.0	13.2	52.5
B610×229×125	612.2	229.0	11.9	19.6	12.7	573.0	108.6	159.3	125.1	11.7	49.3
B610×229×140	617.2	230.2	13.1	22.1	12.7	573.0	108.6	178.2	139.9	10.4	45.2
B610×305×149	612.4	304.8	11.8	19.7	16.5	573.0	146.5	190.0	149.1	15.5	49.1
B610×305×179	620.2	307.1	14.1	23.6	16.5	573.0	146.5	228.1	179.0	13.0	41.6
B610×305×238	635.8	311.4	18.4	31.4	16.5	573.0	146.5	303.3	238.1	9.9	32.8
B686×254×125	677.9	253.0	11.7	16.2	15.2	645.5	120.7	159.5	125.2	15.6	55.3
B686×254×140	683.5	253.7	12.4	19.0	15.2	645.5	120.7	178.4	140.1	13.4	52.7
B686×254×152	687.5	254.5	13.2	21.0	15.2	645.5	120.7	194.1	152.4	12.1	49.8
B686×254×170	692.9	255.8	14.5	23.7	15.2	645.5	120.7	216.8	170.2	10.8	45.7
B838×292×176	834.9	291.7	14.0	18.8	17.8	797.3	138.9	224.0	175.9	15.5	57.1
B838×292×194	840.7	292.4	14.7	21.7	17.8	797.3	138.9	246.8	193.8	13.5	54.8
B838×292×226	850.9	293.8	16.1	26.8	17.8	797.3	138.9	288.6	226.5	11.0	50.6
B914×305×201	903.0	303.3	15.1	20.2	19.1	862.6	144.1	255.9	200.9	15.0	57.3
B914×305×224	910.4	304.1	15.9	23.9	19.1	862.6	144.1	285.6	224.2	12.7	54.9
B914×419×343	911.8	418.5	19.4	32.0	24.1	847.8	199.6	437.3	343.3	13.1	44.5
B914×305×253	918.4	305.5	17.3	27.9	19.1	862.6	144.1	322.8	253.4	10.9	50.9
B914×305×289	926.6	307.7	19.5	32.0	19.1	862.6	144.1	368.3	289.1	9.6	45.6
B914×419×388	921.0	420.5	21.4	36.6	24.1	847.8	199.6	494.2	388.0	11.5	40.8
B1016×305×222	970.3	300.0	16.0	21.1	30.0	928.1	142.0	282.8	222.0	14.2	56.9
B1016×305×249	980.0	300.0	16.5	26.0	-	928.0	141.8	316.8	249.0	11.5	-
B1016×305×272	990.0	300.0	16.5	31.0	-	928.0	141.8	346.8	272.0	9.7	-
B1016×305×314	1000.0	300.0	19.1	35.9	-	928.2	140.5	400.4	314.0	8.4	-
B1016×305×349	1008.1	302.0	21.1	40.0	30.0	928.1	140.5	445.2	349.0	7.6	44.9

英标规格 H-beam specifications (BS)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
BS 4-1:2005								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
B1016×305×393	1016.0	303.0	24.4	43.9	-	928.2	139.3	500.2	393.0	6.9	-
B1016×305×415	1020.0	304.0	26.0	46.0	-	928.0	139.0	528.7	415.0	6.6	-
B1016×305×438	1026.0	305.0	27.0	49.0	30.0	928.0	139.0	557.2	438.0	6.2	35.8
B1016×305×494	1036.0	309.0	31.0	54.0	-	928.0	139.0	629.1	494.0	5.7	-
B1016×305×584	1056.0	314.0	36.0	64.0	-	928.0	139.0	743.7	584.0	4.9	-

澳洲规格表 H-beam specifications (AS/NZS)

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
AS/NZS 3679.1:2010								cm ²	kg/m	B/t ₂	(H-2r)/t ₁
150UC23.4	152.4	152.0	6.1	6.8	8.9	138.8	73.0	29.8	23.4	22.4	22.1
150UC30.0	157.6	153.0	6.6	9.4	8.9	138.8	73.2	38.6	30.3	16.3	21.2
150UC37.2	167.8	154.0	8.1	11.5	8.9	144.8	73.0	47.8	37.5	13.4	18.5
200UB18.2	198.0	99.0	4.5	7.0	11.0	184.0	47.3	23.2	18.2	14.1	39.1
200UB22.3	201.6	133.0	5.0	7.0	8.9	187.6	64.0	28.7	22.5	19.0	36.8
200UB25.4	203.2	133.0	5.8	7.8	8.9	187.6	63.6	32.3	25.4	17.1	32.0
200UB29.8	207.0	134.0	6.3	9.6	8.9	187.8	63.9	38.2	30.0	14.0	30.0
200UC46.2	203.4	203.0	7.3	11.0	11.4	181.4	97.9	59.0	46.3	18.5	24.7
200UC52.2	206.4	204.0	8.0	12.5	11.4	181.4	98.0	66.6	52.3	16.3	23.0
200UC59.5	209.8	205.0	9.3	14.2	11.4	181.4	97.9	76.2	59.8	14.4	20.1
250UC72.9	253.8	254.0	8.6	14.2	14.0	225.4	122.7	93.2	73.2	17.9	26.3
250UC89.5	260.0	256.0	10.5	17.3	14.0	225.4	122.8	113.9	89.4	14.8	22.1
310UC96.8	308.0	305.0	9.9	15.4	16.5	277.2	147.6	123.7	97.1	19.8	27.8
310UC118	314.6	307.0	11.9	18.7	16.5	277.2	147.6	150.1	118.0	16.4	23.7
310UC137	320.6	309.0	13.8	21.7	16.5	277.2	147.6	174.7	137.0	14.2	20.8
310UC158	327.2	311.0	15.7	25.0	16.5	277.2	147.7	201.4	158.0	12.4	18.7
410UB53.7	402.6	178.0	7.6	10.9	11.4	380.8	85.2	68.9	54.1	16.3	50.0
410UB59.7	406.4	178.0	7.8	12.8	11.4	380.8	85.1	76.4	60.0	13.9	49.2
460UB67.1	453.8	190.0	8.5	12.7	11.4	428.4	90.8	85.8	67.3	15.0	50.7
530UB82.0	528.2	209.0	9.6	13.2	14.0	501.8	99.7	105.0	82.5	15.8	52.1
530UB92.4	533.0	209.0	10.2	15.6	14.0	501.8	99.4	118.1	92.7	13.4	49.5

热轧型钢规格表

hot-rolled section steel specifications table

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) Hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
EN 10365								cm ²	kg/m	B/ t_f	(H-2r)/ t_w
IPE AA 120	117.0	64.0	3.8	4.8	7.4	107.4	30.1	10.7	8.4	13.3	26.9
IPE A 120	117.6	64.0	3.8	5.1	6.7	107.4	30.1	11.0	8.7	12.5	27.4
IPE 120	120.0	64.0	4.4	6.3	6.9	107.4	29.8	13.2	10.4	10.2	24.1
IPE AA 200	196.4	100.0	4.5	6.7	12.1	183.0	47.8	22.9	18.0	14.9	38.2
IPE A 200	197.0	100.0	4.5	7.0	12.1	183.0	47.8	23.5	18.4	14.3	38.4
IPE 200	200.0	100.0	5.6	8.5	12.1	183.0	47.2	28.5	22.4	11.8	31.4
IPE O 200	202.0	102.0	6.2	9.5	12.2	183.0	47.9	32.0	25.1	10.7	28.7
IPE A 300	297.0	150.0	6.1	9.2	14.9	278.6	72.0	46.5	36.5	16.3	43.8
IPE 300	300.0	150.0	7.1	10.7	15.0	278.6	71.5	53.8	42.2	14.0	38.0
IPE O 300	304.0	152.0	8.0	12.7	14.9	278.6	72.0	62.8	49.3	12.0	34.3
IPE A 360	357.6	170.0	6.6	11.5	18.1	334.6	81.7	64.0	50.2	14.8	48.7
IPE 360	360.0	170.0	8.0	12.7	17.9	334.6	81.0	72.7	57.1	13.4	40.5
IPE O 360	364.0	172.0	9.2	14.7	17.9	334.6	81.4	84.1	66.0	11.7	35.7
IPE A 400	397.0	180.0	7.0	12.0	21.0	373.0	86.5	73.1	57.4	15.0	50.7
IPE 400	400.0	180.0	8.6	13.5	21.1	373.0	85.7	84.5	66.3	13.3	41.6
IPE O 400	404.0	182.0	9.7	15.5	21.0	373.0	86.2	96.4	75.7	11.7	37.3
IPE V 400	408.0	182.0	10.6	17.5	20.9	373.0	85.7	107.0	84.0	10.4	34.5
IPE A 500	497.0	200.0	8.4	14.5	21.0	468.0	95.8	101.1	79.4	13.8	54.2
IPE 500	500.0	200.0	10.2	16.0	20.9	468.0	94.9	115.5	90.7	12.5	44.9
IPE O 500	506.0	202.0	12.0	19.0	21.0	468.0	95.0	136.7	107.0	10.6	38.7
IPE V 500	514.0	204.0	14.2	23.0	21.1	468.0	94.9	164.1	129.0	8.9	33.2
IPE 750 x 134	750.0	264.0	12.0	15.5	17.0	719.0	126.0	170.6	134.0	17.0	59.7
IPE 750 x 147	753.0	265.0	13.2	17.0	17.0	719.0	125.9	187.5	147.0	15.6	54.5
IPE 750 x 173	762.0	267.0	14.4	21.6	16.9	718.8	126.3	221.3	173.0	12.4	50.6
IPE 750 x 196	770.0	268.0	15.6	25.4	16.9	719.2	126.2	250.8	196.0	10.6	47.2
HE 120 AA	109.0	120.0	4.2	5.5	12.2	98.0	57.9	18.6	14.6	21.8	20.1
HE 120 A	114.0	120.0	5.0	8.0	11.8	98.0	57.5	25.3	19.9	15.0	18.1
HE 120 B	120.0	120.0	6.5	11.0	12.0	98.0	56.8	34.0	26.7	10.9	14.8
HE 120 C	130.0	123.0	9.5	16.0	12.0	98.0	56.8	49.9	39.2	7.7	11.2
HE 120 M	140.0	126.0	12.5	21.0	12.0	98.0	56.8	66.4	52.1	6.0	9.3
HE 160 AA	148.0	160.0	4.5	7.0	15.1	134.0	77.8	30.4	23.8	22.9	26.2
HE 160 A	152.0	160.0	6.0	9.0	15.1	134.0	77.0	38.8	30.4	17.8	20.3
HE 160 B	160.0	160.0	8.0	13.0	15.2	134.0	76.0	54.3	42.6	12.3	16.2
HE 160 C	170.0	163.0	11.0	18.0	15.2	134.0	76.0	75.4	59.2	9.1	12.7
HE 160 M	180.0	166.0	14.0	23.0	15.2	134.0	76.0	97.1	76.2	7.2	10.7
HE 200 AA	186.0	200.0	5.5	8.0	17.9	170.0	97.3	44.1	34.6	25.0	27.3
HE 200 A	190.0	200.0	6.5	10.0	17.9	170.0	96.8	53.8	42.3	20.0	23.7
HE 200 B	200.0	200.0	9.0	15.0	18.1	170.0	95.5	78.1	61.3	13.3	18.2

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) Hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
EN 10365								cm ²	kg/m	B/ t_f	(H-2r)/ t_w
HE 200 C	210.0	203.0	12.0	20.0	18.1	170.0	95.5	104.4	81.9	10.2	14.5
HE 200 M	220.0	206.0	15.0	25.0	18.1	170.0	95.5	131.3	103.0	8.2	12.3
HE 240 AA	224.0	240.0	6.5	9.0	21.1	206.0	116.8	60.4	47.4	26.7	28.0
HE 240 A	230.0	240.0	7.5	12.0	20.9	206.0	116.3	76.8	60.3	20.0	25.1
HE 240 B	240.0	240.0	10.0	17.0	21.0	206.0	115.0	106.0	83.2	14.1	19.8
HE 240 C	255.0	244.0	14.0	24.5	21.0	206.0	115.0	152.2	119.0	10.0	15.2
HE 240 M	270.0	248.0	18.0	32.0	21.0	206.0	115.0	199.6	157.0	7.8	12.7
HE 260 AA	244.0	260.0	6.5	9.5	24.1	225.0	126.8	69.0	54.1	27.4	30.1
HE 260 A	250.0	260.0	7.5	12.5	24.0	225.0	126.3	86.8	68.2	20.8	26.9
HE 260 B	260.0	260.0	10.0	17.5	23.9	225.0	125.0	118.4	93.0	14.9	21.2
HE 260 C	275.0	264.0	14.0	25.0	23.9	225.0	125.0	168.4	132.0	10.6	16.2
HE 260 M	290.0	268.0	18.0	32.5	23.9	225.0	125.0	219.6	172.0	8.2	13.5
HE 280 AA	264.0	280.0	7.0	10.0	23.9	244.0	136.5	78.0	61.2	28.0	30.9
HE 280 A	270.0	280.0	8.0	13.0	24.1	244.0	136.0	97.3	76.4	21.5	27.7
HE 280 B	280.0	280.0	10.5	18.0	24.1	244.0	134.8	131.4	103.0	15.6	22.1
HE 280 C	295.0	284.0	14.5	25.5	24.1	244.0	134.8	185.2	145.0	11.1	17.0
HE 280 M	310.0	288.0	18.5	33.0	24.1	244.0	134.8	240.2	189.0	8.7	14.2
HE 300 AA	283.0	300.0	7.5	10.5	27.0	262.0	146.3	88.9	69.8	28.6	30.5
HE 300 A	290.0	300.0	8.5	14.0	26.9	262.0	145.8	112.5	88.3	21.4	27.8
HE 300 B	300.0	300.0	11.0	19.0	27.0	262.0	144.5	149.1	117.0	15.8	22.4
HE 300 C	320.0	305.0	16.0	29.0	27.0	262.0	144.5	225.1	177.0	10.5	16.6
HE 300 M	340.0	310.0	21.0	39.0	27.0	262.0	144.5	303.1	238.0	7.9	13.6
HE 360 AA	339.0	300.0	9.0	12.0	27.0	315.0	145.5	106.6	83.7	25.0	31.7
HE 360 A	350.0	300.0	10.0	17.5	27.1	315.0	145.0	142.8	112.0	17.1	29.6
HE 360 B	360.0	300.0	12.5	22.5	26.9	315.0	143.8	180.6	142.0	13.3	24.5
HE 360 M	395.0	308.0	21.0	40.0	27.0	315.0	143.5	318.8	250.0	7.7	16.2
HE 400 AA	378.0	300.0	9.5	13.0	27.0	352.0	145.3	117.7	92.4	23.1	34.1
HE 400 A	390.0	300.0	11.0	19.0	27.0	352.0	144.5	159.0	125.0	15.8	30.5
HE 400 B	400.0	300.0	13.5	24.0	27.0	352.0	143.3	197.8	155.0	12.5	25.6
HE 400 M	432.0	307.0	21.0	40.0	27.0	352.0	143.0	325.8	256.0	7.7	18.0
HE 450 AA	425.0	300.0	10.0	13.5	27.1	398.0	145.0	127.1	99.7	22.2	37.1
HE 700 AA	670.0	300.0	13.0	17.0	26.9	636.0	143.5	190.9	150.0	17.6	47.4
HE 700 A	690.0	300.0	14.5	27.0	27.0	636.0	142.8	260.5	204.0	11.1	43.9
HE 700 B	700.0	300.0	17.0	32.0	27.0	636.0	141.5	306.4	241.0	9.4	38.0
HE 700 M	716.0	304.0	21.0	40.0	27.0	636.0	141.5	383.0	301.0	7.6	31.5
HE 700x352	728.0	308.0	25.0	46.0	27.0	636.0	141.5	448.6	352.0	6.7	27.0
HE 700x418	744.0	313.0	29.5	54.0	27.0	636.0	141.8	531.9	418.0	5.8	23.4
HE 800 AA	770.0	300.0	14.0	18.0	30.0	734.0	143.0	218.5	172.0	16.7	50.7

热轧型钢规格表

hot-rolled section steel specifications table

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area cm ²	理论 重量 Overlapping waves theory kg/m	翼缘 宽厚比 Flange width thickness ratio B/t ₂	腹板 宽厚比 Web width thickness ratio (H-2r) /t ₁
	高度H Height	宽度B Breadth	腹板 厚度t ₁ Web thickness	翼缘 厚度t ₂ Flange thickness	圆角 半径r Fillet radius	内宽 B _{in} inside width	半腿 高bf Half leg height				
HE 800 A	790.0	300.0	15.0	28.0	30.0	734.0	142.5	285.8	224.0	10.7	48.7
HE 800 B	800.0	300.0	17.5	33.0	30.0	734.0	141.3	334.2	262.0	9.1	42.3
HE 800 M	814.0	303.0	21.0	40.0	30.1	734.0	141.0	404.3	317.0	7.6	35.9
HE 800 x 373	826.0	308.0	25.0	46.0	30.0	734.0	141.5	474.6	373.0	6.7	30.6
HE 800 x 444	842.0	313.0	30.0	54.0	30.1	734.0	141.5	566.0	444.0	5.8	26.1
HE 900 AA	870.0	300.0	15.0	20.0	30.0	830.0	142.5	252.2	198.0	15.0	54.0
HE 900 A	890.0	300.0	16.0	30.0	30.0	830.0	142.0	320.5	252.0	10.0	51.9
HE 900 B	900.0	300.0	18.5	35.0	30.0	830.0	140.8	371.3	291.0	8.6	45.4
HE 900 M	910.0	302.0	21.0	40.0	30.0	830.0	140.5	423.6	333.0	7.6	40.5
HE 900 x 391	922.0	307.0	25.0	46.0	30.1	830.0	141.0	497.7	391.0	6.7	34.5
HE 900 x 466	938.0	312.0	30.0	54.0	30.0	830.0	141.0	593.7	466.0	5.8	29.3
HE 1000 AA	970.0	300.0	16.0	21.0	30.0	928.0	142.0	282.2	222.0	14.3	56.9
HE 1000 x 249	980.0	300.0	16.5	26.0	29.9	928.0	141.8	316.8	249.0	11.5	55.8
HE 1000 A	990.0	300.0	16.5	31.0	29.9	928.0	141.8	346.8	272.0	9.7	56.4
HE 1000 B	1000.0	300.0	19.0	36.0	29.9	928.0	140.5	400.0	314.0	8.3	49.5
HE 1000 M	1008.0	302.0	21.0	40.0	30.0	928.0	140.5	444.2	349.0	7.6	45.1
HE 1000 x 393	1016.0	303.0	24.4	43.9	29.9	928.2	139.3	500.2	393.0	6.9	39.2
HE 1000 x 415	1020.0	304.0	26.0	46.0	30.0	928.0	139.0	528.7	415.0	6.6	36.9
HE 1000 x 438	1026.0	305.0	26.9	49.0	29.5	928.0	139.1	556.0	438.0	6.2	35.9
HE 1000 x 494	1036.0	309.0	31.0	54.0	30.0	928.0	139.0	629.1	494.0	5.7	31.5
HE 1000 x 584	1056.0	314.0	36.0	64.0	30.0	928.0	139.0	743.7	584.0	4.9	27.7
HL 920 x 344	927.0	418.0	19.3	32.0	19.1	863.0	199.4	437.2	344.0	13.1	46.1
HL 920 x 368	931.0	419.0	20.3	34.3	19.0	862.4	199.4	465.6	368.0	12.2	44.0
HL 920 x 390	936.0	420.0	21.3	36.6	19.0	862.8	199.4	494.3	390.0	11.5	42.2
HL 920 x 420	943.0	422.0	22.5	39.9	19.1	863.2	199.8	534.1	420.0	10.6	40.2
HL 920 x 449	948.0	423.0	24.0	42.7	19.1	862.6	199.5	571.4	449.0	9.9	37.9
HL 920 x 491	957.0	422.0	25.9	47.0	19.0	863.0	198.1	623.3	491.0	9.0	35.5
HL 920 x 537	965.0	425.0	28.4	51.1	19.0	862.8	198.3	682.5	537.0	8.3	32.6
HL 920 x 588	975.0	427.0	31.0	55.9	19.0	863.2	198.0	748.1	588.0	7.6	30.2
HL 920 x 656	987.0	431.0	34.5	62.0	19.1	863.0	198.3	835.3	656.0	7.0	27.5
HL 920 x 725	999.0	434.0	38.1	68.1	18.9	862.8	198.0	922.9	725.0	6.4	25.2
HL 920 x 787	1011.0	437.0	40.9	73.9	18.9	863.2	198.1	1002.0	787.0	5.9	23.8
HL 920 x 970	1043.0	446.0	50.0	89.9	19.0	863.2	198.0	1236.6	970.0	5.0	20.1
HL 920 x 1077	1061.0	451.0	55.0	99.1	18.9	862.8	198.0	1371.5	1077.0	4.6	18.6
HL 920 x 972	1081.0	457.0	60.5	109.0	19.1	863.0	198.3	1521.5	1194.0	4.2	17.2
HL 920 x 973	1093.0	461.0	64.0	115.1	19.0	862.8	198.5	1616.5	1269.0	4.0	16.5
HL 920 x 974	1093.0	473.0	76.7	115.1	19.0	862.8	198.2	1753.7	1377.0	4.1	13.8
HL 1000 AA	982.0	400.0	16.5	27.1	30.0	927.8	191.8	377.6	296.0	14.8	55.9

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area cm ²	理论 重量 Overlapping waves theory kg/m	翼缘 宽厚比 Flange width thickness ratio B/t ₂	腹板 宽厚比 Web width thickness ratio (H-2r) /t ₁
	高度H Height	宽度B Breadth	腹板 厚度t ₁ Web thickness	翼缘 厚度t ₂ Flange thickness	圆角 半径r Fillet radius	内宽 B _{in} inside width	半腿 高bf Half leg height				
HL 1000 A	990.0	400.0	16.5	31.0	30.0	928.0	191.8	408.8	321.0	12.9	56.4
HL 1000 B	1000.0	400.0	19.0	36.1	30.0	927.8	190.5	472.8	371.0	11.1	49.5
HL 1000 M	1008.0	402.0	21.1	40.0	30.0	928.0	190.5	525.1	412.0	10.1	44.9
HL 1000 x 443	1012.0	402.0	23.6	41.9	30.1	928.2	189.2	563.7	443.0	9.6	40.3
HL 1000 x 483	1020.0	404.0	25.4	46.0	30.0	928.0	189.3	615.1	483.0	8.8	37.8
HL 1000 x 539	1030.0	407.0	28.4	51.1	30.0	927.8	189.3	687.2	539.0	8.0	34.2
HL 1000 x 554	1032.0	408.0	29.5	52.0	30.0	928.0	189.3	705.8	554.0	7.8	32.9
HL 1000 x 591	1040.0	409.0	31.0	55.9	29.9	928.2	189.0	752.7	591.0	7.3	31.6
HL 1000 x 642	1048.0	412.0	34.0	60.0	29.9	928.0	189.0	817.6	642.0	6.9	29.1
HL 1000 x 748	1068.0	417.0	39.0	70.0	29.9	928.0	189.0	953.4	748.0	6.0	25.9
HL 1000 x 883	1092.0	424.0	45.5	82.0	30.0	928.0	189.3	1125.3	883.0	5.2	22.7
HL 1000 x 976	1108.0	428.0	50.0	89.9	30.1	928.2	189.0	1241.4	976.0	4.8	21.0
HL 1100 A	1090.0	400.0	18.0	31.0	20.1	1028.0	191.0	436.5	343.0	12.9	58.3
HL 1100 B	1100.0	400.0	20.0	36.0	19.9	1028.0	190.0	497.0	390.0	11.1	53.0
HL 1100 M	1108.0	402.0	22.0	40.0	20.0	1028.0	190.0	551.2	433.0	10.1	48.5
HL 1100 R	1118.0	405.0	26.0	45.0	20.0	1028.0	189.5	635.2	499.0	9.0	41.5
HL 1100 x 548	1128.0	407.0	28.0	50.0	20.1	1028.0	189.5	698.3	548.0	8.1	38.9
HL 1100 x 607	1138.0	410.0	31.0	55.0	20.0	1028.0	189.5	773.1	607.0	7.5	35.4
HLZ 1100 A	1075.4	458.0	20.0	31.0	40.6	1013.4	219.0	500.8	393.0	14.8	49.7
HLZ 1100 B	1079.4	458.0	20.0	33.0	40.6	1013.4	219.0	519.1	408.0	13.9	49.9
HLZ 1100 C	1083.4	459.0	21.0	35.0	40.7	1013.4	219.0	548.3	430.0	13.1	47.7
HLZ 1100 D	1087.4	460.0	22.0	37.0	40.6	1013.4	219.0	577.5	453.0	12.4	45.7
HD 400 x 187	368.0	391.0	15.0	24.0	15.0	320.0	188.0	237.6	187.0	16.3	22.5
HD 400 x 216	375.0	394.0	17.3	27.7	15.0	319.6	188.4	275.5	216.0	14.2	19.9
HD 400 x 237	380.0	395.0	18.9	30.2	14.9	319.6	188.1	300.9	237.0	13.1	18.5
HD 400 x 262	387.0	398.0	21.1	33.3	15.0	320.4	188.5	334.6	262.0	12.0	16.9
HD 400 x 287	393.0	399.0	22.6	36.6	15.1	319.8	188.2	366.3	287.0	10.9	16.1
HD 400 x 314	399.0	401.0	24.9	39.6	15.2	319.8	188.1	399.2	314.0	10.1	14.8
HD 400 x 347	407.0	404.0	27.2	43.7	15.2	319.6	188.4	442.0	347.0	9.2	13.8
HD 400 x 382	416.0	406.0	29.8	48.0	15.2	320.0	188.1	487.1	382.0	8.5	12.9
HD 400 x 421	425.0	409.0	32.8	52.6	15.0	319.8	188.1	537.1	421.0	7.8	12.0
HD 400 x 463	435.0	412.0	35.8	57.4	14.8	320.2	188.1	589.5	463.0	7.2	11.3
HD 400 x 509	446.0	416.0	39.1	62.7	15.2	320.6	188.5	649.0	509.0	6.6	10.6
HD 400 x 551	455.0	418.0	42.0	67.6	15.1	319.8	188.0	701.4	551.0	6.2	10.1
HD 400 x 592	465.0	421.0	45.0	72.3	15.1	320.4	188.0	754.9	592.0	5.8	9.7
HD 400 x 634	474.0	424.0	47.6	77.1	15.1	319.8	188.2	808.0	634.0	5.5	9.3
HD 400 x 677	483.0	428.0	51.2	81.5	15.0	320.0	188.4	863.4	677.0	5.3	8.8
HD 400 x 744	498.0	432.0	55.6	88.9	15.2	320.2	188.2	948.1	744.0	4.9	8.4

热轧型钢规格表

hot-rolled section steel specifications table

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
EN 10365								cm ²	kg/m	B/t _f	(H-2r) /t _w
HD 400 x 818	514.0	437.0	60.5	97.0	15.0	320.0	188.3	1043.3	818.0	4.5	8.0
HD 400 x 900	531.0	442.0	65.9	106.0	15.0	319.0	188.1	1149.2	900.0	4.2	7.6
HD 400 x 990	550.0	448.0	71.9	115.0	15.0	320.0	188.1	1262.4	990.0	3.9	7.2
HD 400 x 1086	569.0	454.0	78.0	125.0	15.2	319.0	188.0	1385.8	1086.0	3.6	6.9
HD 400 x 1202	580.0	471.0	95.0	130.0	14.9	320.0	188.0	1530.5	1202.0	3.6	5.8
HD 400 x 1299	600.0	476.0	100.0	140.0	14.9	320.0	188.0	1654.7	1299.0	3.4	5.7
HP 400 x 122	348.0	390.0	14.0	14.0	14.9	320.0	188.0	155.9	122.0	27.9	22.7
HP 400 x 140	352.0	392.0	16.0	16.0	15.1	320.0	188.0	178.6	140.0	24.5	20.1
HP 400 x 158	356.0	394.0	18.0	18.0	15.1	320.0	188.0	201.4	158.0	21.9	18.1
HP 400 x 176	360.0	396.0	20.0	20.0	14.9	320.0	188.0	224.3	176.0	19.8	16.5
HP 400 x 194	364.0	398.0	22.0	22.0	15.2	320.0	188.0	247.5	194.0	18.1	15.2
HP 400 x 213	368.0	400.0	24.0	24.0	14.9	320.0	188.0	270.7	213.0	16.7	14.1
HP 400 x 231	372.0	402.0	26.0	26.0	15.1	320.0	188.0	294.2	231.0	15.5	13.1
UBP 203 x 203 x 45	200.2	205.9	9.5	9.5	10.2	181.2	98.2	57.2	44.9	21.7	18.9
UBP 203 x 203 x 54	204.0	207.7	11.3	11.4	10.2	181.2	98.2	68.7	53.9	18.2	16.3
UBP 254 x 254 x 63	247.1	256.6	10.6	10.7	12.7	225.7	123.0	80.2	63.0	24.0	20.9
UBP 254 x 254 x 71	249.7	258.0	12.0	12.0	12.7	225.7	123.0	90.4	71.0	21.5	18.7
UBP 254 x 254 x 85	254.3	260.4	14.4	14.3	12.9	225.7	123.0	108.4	85.1	18.2	15.9
UBP 305 x 305 x 79	299.3	306.4	11.0	11.1	15.3	277.1	147.7	100.5	78.9	27.6	24.4
UBP 305 x 305 x 88	301.7	307.8	12.4	12.3	15.3	277.1	147.7	112.1	88.0	25.0	21.9
UBP 305 x 305 x 95	303.7	308.7	13.3	13.3	15.0	277.1	147.7	120.9	94.9	23.2	20.6
UBP 305 x 305 x 110	307.9	310.7	15.3	15.4	15.3	277.1	147.7	140.1	110.0	20.2	18.1
UBP 305 x 305 x 126	312.3	312.9	17.5	17.6	15.1	277.1	147.7	160.6	126.1	17.8	16.1
UBP 305 x 305 x 149	318.5	316.0	20.6	20.7	15.2	277.1	147.7	189.9	149.1	15.3	14.0
UBP 305 x 305 x 186	328.3	320.9	25.5	25.6	15.0	277.1	147.7	236.9	186.0	12.5	11.7
UBP 305 x 305 x 223	337.9	325.7	30.3	30.4	15.3	277.1	147.7	284.0	222.9	10.7	10.1
UBP 356 x 368 x 109	346.4	371.0	12.8	12.9	15.1	320.6	179.1	138.7	108.9	28.8	24.7
UBP 356 x 368 x 133	352.0	373.8	15.6	15.7	15.3	320.6	179.1	169.4	133.0	23.8	20.6
UBP 356 x 368 x 152	356.4	376.0	17.8	17.9	15.4	320.6	179.1	193.7	152.0	21.0	18.3
UBP 356 x 368 x 174	361.4	378.5	20.3	20.4	15.2	320.6	179.1	221.5	173.9	18.6	16.3
UB 203 x 102 x 23	203.2	101.8	5.4	9.3	7.6	184.6	48.2	29.4	23.1	10.9	34.8
UB 203 x 133 x 25	203.2	133.2	5.7	7.8	7.6	187.6	63.8	32.0	25.1	17.1	33.0
UB 203 x 133 x 30	206.8	133.9	6.4	9.6	7.6	187.6	63.8	38.2	30.0	13.9	29.9
UB 254 x 102 x 22	254.0	101.6	5.7	6.8	7.6	240.4	48.0	28.0	22.0	14.9	41.9
UB 254 x 102 x 25	257.2	101.9	6.0	8.4	7.6	240.4	48.0	32.0	25.2	12.1	40.3
UB 254 x 102 x 28	260.4	102.2	6.3	10.0	7.6	240.4	48.0	36.1	28.3	10.2	38.9
UB 254 x 146 x 31	251.4	146.1	6.0	8.6	7.6	234.2	70.1	39.7	31.1	17.0	39.4
UB 254 x 146 x 37	256.0	146.4	6.3	10.9	7.6	234.2	70.1	47.2	37.0	13.4	38.2

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w\text{inside}}$ width	半腿 高bf Half leg height				
EN 10365								cm ²	kg/m	B/t _f	(H-2r) /t _w
UB 254 x 146 x 43	259.6	147.3	7.2	12.7	7.6	234.2	70.1	54.8	43.0	11.6	33.9
UB 305 x 102 x 25	305.1	101.6	5.8	7.0	7.6	291.1	47.9	31.6	24.8	14.5	50.0
UB 305 x 102 x 28	308.7	101.8	6.0	8.8	7.6	291.1	47.9	35.9	28.2	11.6	48.9
UB 305 x 102 x 33	312.7	102.4	6.6	10.8	7.6	291.1	47.9	41.8	32.8	9.5	45.1
UB 305 x 165 x 40	303.4	165.0	6.0	10.2	8.9	283.0	79.5	51.3	40.3	16.2	47.6
UB 305 x 165 x 46	306.6	165.7	6.7	11.8	8.6	283.0	79.5	58.7	46.1	14.0	43.2
UB 305 x 165 x 54	310.4	166.9	7.9	13.7	8.9	283.0	79.5	68.8	54.0	12.2	37.0
UB 356 x 171 x 45	351.4	171.1	7.0	9.7	10.2	332.0	82.1	57.3	45.0	17.6	47.3
UB 356 x 171 x 51	355.0	171.5	7.4	11.5	10.2	332.0	82.1	64.9	51.0	14.9	45.2
UB 356 x 171 x 57	358.0	172.2	8.1	13.0	10.2	332.0	82.1	72.6	57.0	13.2	41.7
UB 356 x 171 x 67	363.4	173.2	9.1	15.7	10.2	332.0	82.1	85.5	67.1	11.0	37.7
UB 406 x 140 x 39	398.0	141.8	6.4	8.6	10.2	380.8	67.7	49.7	39.0	16.5	59.0
UB 406 x 140 x 46	403.2	142.2	6.8	11.2	10.2	380.8	67.7	58.6	46.0	12.7	56.3
UB 406 x 178 x 54	402.6	177.7	7.7	10.9	10.2	380.8	85.0	69.0	54.1	16.3	49.6
UB 406 x 178 x 60	406.4	177.9	7.9	12.8	10.2	380.8	85.0	76.5	60.1	13.9	48.9
UB 406 x 178 x 67	409.4	178.8	8.8	14.3	10.2	380.8	85.0	85.5	67.1	12.5	44.2
UB 406 x 178 x 74	412.8	179.5	9.5	16.0	10.2	380.8	85.0	94.5	74.2	11.2	41.3
UB 457 x 152 x 52	449.8	152.4	7.6	10.9	10.2	428.0	72.4	66.6	52.3	14.0	56.5
UB 457 x 152 x 60	454.6	152.9	8.1	13.3	10.2	428.0	72.4	76.2	59.8	11.5	53.6
UB 457 x 152 x 67	458.0	153.8	9.0	15.0	10.2	428.0	72.4	85.6	67.2	10.3	48.6
UB 457 x 152 x 74	462.0	154.4	9.6	17.0	10.2	428.0	72.4	94.5	74.2	9.1	46.0
UB 457 x 152 x 82	465.8	155.3	10.5	18.9	10.0	428.0	72.4	104.5	82.1	8.2	42.5
UB 457 x 191 x 67	453.4	189.9	8.5	12.7	10.2	428.0	90.7	85.5	67.1	15.0	50.9
UB 457 x 191 x 74	457.0	190.4	9.0	14.5	10.2	428.0	90.7	94.6	74.3	13.1	48.5
UB 457 x 191 x 82	460.0	191.3	9.9	16.0	10.3	428.0	90.7	104.5	82.0	12.0	44.4
UB 457 x 191 x 89	463.4	191.9	10.5	17.7	10.4	428.0	90.7	113.8	89.3	10.8	42.2
UB 457 x 191 x 98	467.2	192.8	11.4	19.6	10.4	428.0	90.7	125.3	98.3	9.8	39.2
UB 533 x 210 x 82	528.3	208.8	9.6	13.2	12.7	501.9	99.6	104.7	82.2	15.8	52.4
UB 533 x 210 x 92	533.1	209.3	10.1	15.6	12.8	501.9	99.6	117.4	92.1	13.4	50.2
UB 533 x 210 x 101	536.7	210.0	10.8	17.4	12.8	501.9	99.6	128.7	101.0	12.1	47.3
UB 533 x 210 x 109	539.5	210.8	11.6	18.8	12.9	501.9	99.6	138.9	109.0	11.2	44.3
UB 533 x 210 x 122	544.5	211.9	12.7	21.3	12.7	501.9	99.6	155.4	122.0	9.9	40.9
UB 610 x 229 x 101	602.6	227.6	10.5	14.8	12.6	573.0	108.6	128.9	101.2	15.4	55.0
UB 610 x 229 x 113	607.6	228.2	11.1	17.3	12.5	573.0	108.6	143.9	113.0	13.2	52.5
UB 610 x 229 x 125	612.2	229.0	11.9	19.6	12.5	573.0	108.6	159.3	125.1	11.7	49.3
UB 610 x 229 x 140	617.2	230.2	13.1	22.1	12.7	573.0	108.6	178.2	139.9	10.4	45.2
UB 610 x 305 x 149	612.4	304.8	11.8	19.7	16.4	573.0	146.5	190.0	149.1	15.5	49.1
UB 610 x 305 x 179	620.2	307.1	14.1	23.6	16.6	573.0	146.5	228.1	179.0	13.0	41.6

热轧型钢规格表

hot-rolled section steel specifications table

欧洲规格表 H-beam specifications of EN

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_w Web thickness	翼缘 厚度 t_f Flange thickness	圆角 半径r Fillet radius	内宽 $B_{w/inside}$ width	半腿 高bf Half leg height				
EN 10365								cm ²	kg/m	B/ t_f	(H-2r) / t_w
UB 610 x 305 x 238	635.8	311.4	18.4	31.4	16.4	573.0	146.5	303.3	238.1	9.9	32.8
UB 686 x 254 x 125	677.9	253.0	11.7	16.2	15.3	645.5	120.7	159.5	125.2	15.6	55.3
UB 686 x 254 x 140	683.5	253.7	12.4	19.0	15.1	645.5	120.7	178.4	140.1	13.4	52.7
UB 686 x 254 x 152	687.5	254.5	13.2	21.0	15.3	645.5	120.7	194.1	152.4	12.1	49.8
UB 686 x 254 x 170	692.9	255.8	14.5	23.7	15.1	645.5	120.7	216.8	170.2	10.8	45.7
UB 762 x 267 x 134	750.0	264.4	12.0	15.5	16.6	719.0	126.2	170.6	134.0	17.1	59.7
UB 762 x 267 x 147	754.0	265.2	12.8	17.5	16.5	719.0	126.2	187.2	146.9	15.2	56.3
UB 762 x 267 x 173	762.2	266.7	14.3	21.6	16.6	719.0	126.2	220.4	173.0	12.3	51.0
UB 762 x 267 x 197	769.8	268.0	15.6	25.4	16.3	719.0	126.2	250.6	196.8	10.6	47.3
UB 838 x 292 x 176	834.9	291.7	14.0	18.8	17.8	797.3	138.9	224.0	175.9	15.5	57.1
UB 838 x 292 x 194	840.7	292.4	14.7	21.7	17.7	797.3	138.9	246.8	193.8	13.5	54.8
UB 838 x 292 x 226	850.9	293.8	16.1	26.8	17.9	797.3	138.9	288.6	226.0	11.0	50.6
UB 914 x 305 x 201	903.0	303.3	15.1	20.2	19.0	862.6	144.1	255.9	200.9	15.0	57.3
UB 914 x 305 x 224	910.4	304.1	15.9	23.9	19.0	862.6	144.1	285.6	224.2	12.7	54.9
UB 914 x 305 x 238	915.0	305.0	16.5	25.9	18.9	863.2	144.3	303.5	238.0	11.8	53.2
UB 914 x 305 x 253	918.4	305.5	17.3	27.9	19.0	862.6	144.1	322.8	253.4	10.9	50.9
UB 914 x 305 x 271	923.0	307.0	18.4	30.0	19.0	863.0	144.3	346.1	271.0	10.2	48.1
UB 914 x 305 x 289	926.6	307.7	19.5	32.0	19.2	862.6	144.1	368.3	289.1	9.6	45.5
UB 914 x 305 x 313	932.0	309.0	21.1	34.5	19.0	863.0	144.0	398.4	313.0	9.0	42.4
UB 914 x 305 x 345	943.0	308.0	22.1	39.9	19.2	863.2	143.0	439.7	345.0	7.7	40.9
UB 914 x 305 x 381	951.0	310.0	24.4	43.9	19.0	863.2	142.8	485.9	381.0	7.1	37.4
UB 914 x 305 x 425	961.0	313.0	26.9	49.0	19.0	863.0	143.1	542.0	425.0	6.4	34.3
UB 914 x 305 x 474	971.0	316.0	30.0	54.1	19.2	862.8	143.0	603.9	474.0	5.8	31.1
UB 914 x 305 x 521	981.0	319.0	33.0	58.9	18.9	863.2	143.0	663.7	521.0	5.4	28.6
UB 914 x 305 x 576	993.0	322.0	36.1	65.0	18.9	863.0	143.0	733.2	576.0	5.0	26.5
UB 914 x 419 x 343	911.8	418.5	19.4	32.0	24.1	847.8	199.6	437.3	343.3	13.1	44.5
UB 914 x 419 x 388	921.0	420.5	21.4	36.6	24.0	847.8	199.6	494.2	388.0	11.5	40.8
UB 1016 x 305 x 222	970.0	300.0	16.0	21.1	30.0	927.8	142.0	282.8	222.0	14.2	56.9
UB 1016 x 305 x 249	980.0	300.0	16.5	26.0	30.0	928.0	141.8	316.8	249.0	11.5	55.8
UB 1016 x 305 x 272	990.0	300.0	16.5	31.0	30.0	928.0	141.8	346.8	272.0	9.7	56.4
UB 1016 x 305 x 314	1000.0	300.0	19.1	35.9	30.0	928.2	140.5	400.4	314.0	8.4	49.2
UB 1016 x 305 x 350	1008.0	302.0	21.1	40.0	30.0	928.0	140.5	445.1	350.0	7.6	44.9
UB 1016 x 305 x 393	1016.0	303.0	24.4	43.9	30.0	928.2	139.3	500.2	393.0	6.9	39.2
UB 1016 x 305 x 415	1020.0	304.0	26.0	46.0	30.0	928.0	139.0	528.7	415.0	6.6	36.9
UB 1016 x 305 x 438	1026.0	305.0	26.9	49.0	30.0	928.0	139.1	556.3	438.0	6.2	35.9
UB 1016 x 305 x 494	1036.0	309.0	31.0	54.0	30.0	928.0	139.0	629.1	494.0	5.7	31.5
UB 1016 x 305 x 584	1056.0	314.0	36.0	64.0	30.0	928.0	139.0	743.7	584.0	4.9	27.7
UC 152 x 152 x 23	152.4	152.2	5.8	6.8	7.2	138.8	73.2	29.2	23.0	22.4	23.8

欧洲规格表 H-beam specifications of EN

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EN 10365								cm ²	kg/m	B/ t_f	(H-2r) / t_w
UC 152 x 152 x 30	157.6	152.9	6.5	9.4	7.6	138.8	73.2	38.3	30.0	16.3	21.9
UC 152 x 152 x 37	161.8	154.4	8.0	11.5	7.6	138.8	73.2	47.1	37.0	13.4	18.3
UC 203 x 203 x 46	203.2	203.6	7.2	11.0	10.2	181.2	98.2	58.7	46.1	18.5	25.4
UC 203 x 203 x 52	206.2	204.3	7.9	12.5	10.2	181.2	98.2	66.3	52.0	16.3	23.5
UC 203 x 203 x 60	209.6	205.8	9.4	14.2	10.2	181.2	98.2	76.4	60.0	14.5	20.1
UC 203 x 203 x 71	215.8	206.4	10.0	17.3	10.2	181.2	98.2	90.4	71.0	11.9	19.5
UC 203 x 203 x 86	222.2	209.1	12.7	20.5	10.0	181.2	98.2	109.6	86.1	10.2	15.9
UC 254 x 254 x 73	254.1	254.6	8.6	14.2	12.7	225.7	123.0	93.1	73.1	17.9	26.6
UC 254 x 254 x 89	260.3	256.3	10.3	17.3	12.6	225.7	123.0	113.3	89.9	14.8	22.8
UC 254 x 254 x 107	266.7	258.8	12.8	20.5	12.8	225.7	123.0	136.4	107.0	12.6	18.8
UC 254 x 254 x 132	276.3	261.3	15.3	25.3	12.5	225.7	123.0	168.1	132.0	10.3	16.4
UC 254 x 254 x 167	289.1	265.2	19.2	31.7	12.9	225.7	123.0	212.9	167.0	8.4	13.7
UC 305 x 305 x 97	307.9	305.3	9.9	15.4	15.0	277.1	147.7	123.4	96.9	19.8	28.1
UC 305 x 305 x 118	314.5	307.4	12.0	18.7	15.2	277.1	147.7	150.2	117.9	16.4	23.7
UC 305 x 305 x 137	320.5	309.2	13.8	21.7	15.1	277.1	147.7	174.4	136.9	14.2	21.0
UC 305 x 305 x 158	327.1	311.2	15.8	25.0	15.3	277.1	147.7	201.4	158.1	12.4	18.8
UC 305 x 305 x 198	339.9	314.5	19.1	31.4	15.1	277.1	147.7	252.4	198.1	10.0	16.2
UC 305 x 305 x 240	352.5	318.4	23.0	37.7	15.2	277.1	147.7	305.8	240.0	8.4	14.0
UC 305 x 305 x 283	365.3	322.2	26.8	44.1	15.1	277.1	147.7	360.4	282.9	7.3	12.5
UC 356 x 368 x 129	355.6	368.6	10.4	17.5	15.1	320.6	179.1	164.3	129.0	21.1	31.3
UC 356 x 368 x 153	362.0	370.5	12.3	20.7	15.2	320.6	179.1	194.8	152.9	17.9	27.0
UC 356 x 368 x 177	368.2	372.6	14.4	23.8	15.2	320.6	179.1	225.5	177.0	15.7	23.5
UC 356 x 368 x 202	374.6	374.7	16.5	27.0	15.1	320.6	179.1	257.2	201.9	13.9	20.9
UC 356 x 406 x 235	381.0	394.8	18.4	30.2	13.4	320.6	188.2	299.0	235.1	13.1	19.2
UC 356 x 406 x 287	393.6	399.0	22.6	36.5	15.2	320.6	188.2	365.7	287.1	10.9	16.1
UC 356 x 406 x 340	406.4	403.0	26.6	42.9	15.1	320.6	188.2	433.0	339.9	9.4	14.1
UC 356 x 406 x 393	419.0	407.0	30.6	49.2	15.3	320.6	188.2	500.6	393.0	8.3	12.7
UC 356 x 406 x 467	436.6	412.2	35.8	58.0	15.2	320.6	188.2	594.9	467.0	7.1	11.3
UC 356 x 406 x 509	446.0	416.0	39.1	62.7	15.2	320.6	188.5	649.0	509.0	6.6	10.6
UC 356 x 406 x 551	455.6	418.5	42.1	67.5	15.1	320.6	188.2	701.9	551.0	6.2	10.1
UC 356 x 406 x 592	465.0	421.0	45.0	72.3	15.1	320.4	188.0	754.9	592.0	5.8	9.7
UC 356 x 406 x 634	474.6	424.0	47.6	77.0	15.0	320.6	188.2	807.5	634.0	5.5	9.3
UC 356 x 406 x 677	483.0	428.0	51.2	81.5	15.0	320.0	188.4	863.4	677.0	5.3	8.8
UC 356 x 406 x 744	498.0	432.0	55.6	88.9	15.2	320.2	188.2	948.1	744.0	4.9	8.4
UC 356 x 406 x 818	514.0	437.0	60.5	97.0	15.0	320.0	188.3	1043.3	818.0	4.5	8.0
UC 356 x 406 x 900	531.0	442.0	65.9	106.0	15.0	319.0	188.1	1149.2	900.0	4.2	7.6
UC 356 x 406 x 990	550.0	448.0	71.9	115.0	15.0	320.0	188.1	1262.4	990.0	3.9	7.2
UC 356 x 406 x 1086	569.0	454.0	78.0	125.0	15.2	319.0	188.0	1385.8	1086.0	3.6	6.9
UC 356 x 406 x 1202	580.0	471.0	95.0	130.0	15.3	320.0	188.0	1530.6	1202.0	3.6	5.8
UC 356 x 406 x 1299	600.0	476.0	100.0	140.0	15.3	320.0	188.0	1654.8	1299.0	3.4	5.7

热轧型钢规格表

hot-rolled section steel specifications table

俄国规格表 H-beam specifications of GOST AC4M

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _w inside width	半腿 高bf Half leg height				
GOST AC4M 20-93								cm ²	kg/m	B/ t_2	(H-2r) / t_1
12B1	117.6	64.0	3.8	5.1	7.0	107.4	30.1	11.0	8.7	12.5	27.3
12B2	120.0	64.0	4.4	6.3	7.0	107.4	29.8	13.2	10.4	10.2	24.1
14B1	137.4	73.0	3.8	5.6	7.0	126.2	34.6	13.4	10.5	13.0	32.5
14B2	140.0	73.0	4.7	6.9	7.0	126.2	34.2	16.4	12.9	10.6	26.8
16B1	157.0	82.0	4.0	5.9	9.0	145.2	39.0	16.2	12.7	13.9	34.8
16B2	160.0	82.0	5.0	7.4	9.0	145.2	38.5	20.1	15.8	11.1	28.4
18B1	177.0	91.0	4.3	6.5	9.0	164.0	43.4	19.6	15.4	14.0	37.0
18B2	180.0	91.0	5.3	8.0	9.0	164.0	42.9	24.0	18.8	11.4	30.6
20B1	200.0	100.0	5.5	8.0	11.0	184.0	47.3	27.2	21.3	12.5	32.4
25B1	248.0	124.0	5.0	8.0	12.0	232.0	59.5	32.7	25.7	15.5	44.8
25B2	250.0	125.0	6.0	9.0	12.0	232.0	59.5	37.7	29.6	13.9	37.7
30B1	298.0	149.0	5.5	8.0	13.0	282.0	71.8	40.8	32.0	18.6	49.5
30B2	300.0	150.0	6.5	9.0	13.0	282.0	71.8	46.8	36.7	16.7	42.2
35B1	346.0	174.0	6.0	9.0	14.0	328.0	84.0	52.7	41.4	19.3	53.0
35B2	350.0	175.0	7.0	11.0	14.0	328.0	84.0	63.1	49.6	15.9	46.0
40B1	396.0	199.0	7.0	11.0	16.0	374.0	96.0	72.2	56.6	18.1	52.0
40B2	400.0	200.0	8.0	13.0	16.0	374.0	96.0	84.1	66.0	15.4	46.0
45B1	446.0	199.0	8.0	12.0	18.0	422.0	95.5	84.3	66.2	16.6	51.3
45B2	450.0	200.0	9.0	14.0	18.0	422.0	95.5	96.8	76.0	14.3	46.0
50B1	492.0	199.0	8.8	12.0	20.0	468.0	95.1	92.4	72.5	16.6	51.4
50B2	496.0	199.0	9.0	14.0	20.0	468.0	95.0	101.3	79.5	14.2	50.7
50B3	500.0	200.0	10.0	16.0	20.0	468.0	95.0	114.2	89.7	12.5	46.0
55B1	543.0	220.0	9.5	13.5	24.0	516.0	105.3	113.4	89.0	16.3	52.1
55B2	547.0	220.0	10.0	15.5	24.0	516.0	105.0	124.8	97.9	14.2	49.9
60B1	596.0	199.0	10.0	15.0	22.0	566.0	94.5	120.5	94.6	13.3	55.2
60B2	600.0	200.0	11.0	17.0	22.0	566.0	94.5	134.4	105.5	11.8	50.5
70B0	693.0	230.0	11.8	15.2	24.0	662.6	109.1	153.1	120.1	15.1	54.7
70B1	691.0	260.0	12.0	15.5	24.0	660.0	124.0	164.7	129.3	16.8	53.6
70B2	697.0	260.0	12.5	18.5	24.0	660.0	123.8	183.6	144.2	14.1	51.9
20SH1	194.0	150.0	6.0	9.0	13.0	176.0	72.0	39.0	30.6	16.7	28.0

俄国规格表 H-beam specifications of GOST AC4M

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size /mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _w inside width	半腿 高bf Half leg height				
GOST AC4M 20-93								cm ²	kg/m	B/ t_2	(H-2r) / t_1
25SH1	244.0	175.0	7.0	11.0	16.0	222.0	84.0	56.2	44.1	15.9	30.3
26SH2	255.0	180.0	7.5	12.0	16.0	231.0	86.3	62.7	49.2	15.0	29.7
30SH1	294.0	200.0	8.0	12.0	18.0	270.0	96.0	72.4	56.8	16.7	32.3
30SH2	300.0	201.0	9.0	15.0	18.0	270.0	96.0	87.4	68.6	13.4	29.3
30SH3	299.0	200.0	9.0	15.0	18.0	269.0	95.5	87.0	68.3	13.3	29.2
35SH1	334.0	249.0	8.0	11.0	20.0	312.0	120.5	83.2	65.3	22.6	36.8
35SH2	340.0	250.0	9.0	14.0	20.0	312.0	120.5	101.5	79.7	17.9	33.3
35SH3	345.0	250.0	10.5	16.0	20.0	313.0	119.8	116.3	91.3	15.6	29.0
40SH1	383.0	299.0	9.5	12.5	22.0	358.0	144.8	112.9	88.6	23.9	35.7
40SH2	390.0	300.0	10.0	16.0	22.0	358.0	145.0	136.0	106.7	18.8	34.6
40SH3	396.0	300.0	12.5	18.0	22.0	360.0	143.8	157.2	123.4	16.7	28.2
45SH1	440.0	300.0	11.0	18.0	24.0	404.0	144.5	157.4	123.5	16.7	35.6
50SH1	482.0	300.0	11.0	15.0	26.0	452.0	144.5	145.5	114.2	20.0	39.1
50SH2	487.0	300.0	14.5	17.5	26.0	452.0	142.8	176.3	138.4	17.1	30.0
50SH3	493.0	300.0	15.5	20.5	26.0	452.0	142.3	198.9	156.1	14.6	28.5
50SH4	499.0	300.0	16.5	23.5	26.0	452.0	141.8	221.4	173.8	12.8	27.1
60SH1	582.0	300.0	12.0	17.0	28.0	548.0	144.0	174.5	137.0	17.6	43.8
60SH2	589.0	300.0	16.0	20.5	28.0	548.0	142.0	217.4	170.7	14.6	33.3
60SH3	597.0	300.0	18.0	24.5	28.0	548.0	141.0	252.4	198.1	12.2	30.1
60SH4	605.0	300.0	20.0	28.5	28.0	548.0	140.0	298.3	225.6	10.5	27.5
70SH1	692.0	300.0	13.0	20.0	28.0	652.0	143.5	211.5	166.0	15.0	48.9
70SH2	698.0	300.0	15.0	23.0	28.0	652.0	142.5	242.5	190.4	13.0	42.8
70SH3	707.0	300.0	18.0	27.5	28.0	652.0	141.0	289.1	226.9	10.9	36.2
70SH4	715.0	300.0	20.5	31.5	28.0	652.0	139.8	329.4	258.6	9.5	32.1
70SH5	725.0	300.0	23.0	36.5	28.0	652.0	138.5	375.7	294.9	8.2	29.1
80SH1	782.0	300.0	13.5	17.0	28.0	748.0	143.3	209.7	164.6	17.6	53.8
80SH2	792.0	300.0	14.0	22.0	28.0	748.0	143.0	243.5	191.1	13.6	52.6
90SH1	881.0	299.0	15.0	18.5	28.0	844.0	142.0	244.0	191.5	16.2	55.0
90SH2	890.0	299.0	15.0	23.0	28.0	844.0	142.0	270.9	212.6	13.0	55.6
100SH1	990.0	320.0	16.0	21.0	30.0	948.0	152.0	293.8	230.6	15.2	58.1

热轧型钢规格表

hot-rolled section steel specifications table

俄国规格表 H-beam specifications of GTO AC4M

热轧H型钢产品 执行标准(规格) hot-rolled H-beam products performance standards (specifications)	截面尺寸/mm Section size/mm							横截 面积 Cross section area	理论 重量 Overlapping waves theory	翼缘 宽厚比 Flange width thickness ratio	腹板 宽厚比 Web width thickness ratio
	高度H Height	宽度B Breadth	腹板 厚度 t_1 Web thickness	翼缘 厚度 t_2 Flange thickness	圆角 半径r Fillet radius	内宽 B _{inside} width	半腿 高bf Half leg height				
GTO AC4M 20-93											
100SH2	998.0	320.0	17.0	25.0	30.0	948.0	151.5	328.9	258.2	12.8	55.2
100SH3	1006.0	320.0	18.0	29.0	30.0	948.0	151.0	364.0	285.7	11.0	52.6
100SH4	1013.0	320.0	19.5	32.5	30.0	948.0	150.3	400.6	314.5	9.8	48.9
20K1	196.0	199.0	6.5	10.0	13.0	176.0	96.3	52.7	41.4	19.9	26.2
20K2	200.0	200.0	8.0	12.0	13.0	176.0	96.0	63.5	49.9	16.7	21.8
23K1	227.0	240.0	7.0	10.5	14.0	206.0	116.5	66.5	52.2	22.9	28.4
23K2	230.0	240.0	8.0	12.0	14.0	206.0	116.0	75.8	59.5	20.0	25.3
25K1	246.0	249.0	8.0	12.0	16.0	222.0	120.5	79.7	62.6	20.8	26.8
25K2	250.0	250.0	9.0	14.0	16.0	222.0	120.5	92.2	72.4	17.9	24.2
25K3	253.0	251.0	10.0	15.5	16.0	222.0	120.5	102.2	80.2	16.2	22.1
26K1	255.0	260.0	8.0	12.0	16.0	231.0	126.0	83.1	65.2	21.7	27.9
26K2	258.0	260.0	9.0	13.5	16.0	231.0	125.5	93.2	73.2	19.3	25.1
26K3	262.0	260.0	10.0	15.5	16.0	231.0	125.0	105.9	83.1	16.8	23.0
30K1	298.0	299.0	9.0	14.0	18.0	270.0	145.0	110.8	87.0	21.4	29.1
30K2	300.0	300.0	10.0	15.0	18.0	270.0	145.0	119.8	94.0	20.0	26.4
30K3	300.0	305.0	15.0	15.0	18.0	270.0	145.0	134.8	105.8	20.3	17.6
30K4	304.0	301.0	11.0	17.0	18.0	270.0	145.0	134.8	105.8	17.7	24.4
35K1	342.0	348.0	10.0	15.0	20.0	312.0	169.0	139.0	109.1	23.2	30.2
35K2	350.0	350.0	12.0	19.0	20.0	312.0	169.0	173.9	136.5	18.4	25.8
35K3	353.0	350.0	13.0	20.0	20.0	313.0	168.5	184.1	144.5	17.5	24.1
40K1	394.0	398.0	11.0	18.0	22.0	358.0	193.5	186.8	146.6	22.1	31.8
40K2	400.0	400.0	13.0	21.0	22.0	358.0	193.5	218.7	171.7	19.0	27.4
40K3	406.0	403.0	16.0	24.0	22.0	358.0	193.5	254.9	200.1	16.8	22.6
40K4	414.0	405.0	18.0	28.0	22.0	358.0	193.5	295.4	231.9	14.5	20.6
40K5	429.0	400.0	23.0	35.5	22.0	358.0	188.5	370.5	290.8	11.3	16.7

工字钢规格表 I-beam specifications

热轧工字钢产品 hot-rolled I-beam products	截面尺寸/mm Section size/mm						横截面积 Cross section area	理论重量 Overlapping waves theory
	高度h Height	腿宽度b Breadth	腰厚d Waist depth	腿厚t Leg depth	内圆角r Inner round corner	外圆角 r_1 Outer round corner		
GB/T 706								
I12	120	74	5	8.4	7	3.5	17.8	14
I14	140	80	5.5	9.1	7.5	3.8	21.5	16.9
I16	160	88	6	9.9	8	4	26.11	20.5
I18	180	94	6.5	10.7	8.5	4.3	30.74	24.1
I20a	200	100	7	11.4	9	4.5	35.55	27.9
I20b	200	102	9	11.4	9	4.5	39.55	31.1

备注: 具备GB/T 706标准中I10#~I63#型号开发能力
Remarks: the company has the development ability of I10#~I63# model in GB / T 706 standard

槽钢规格表 Channel specifications

热轧槽钢产品 hot-rolled channel steel products	截面尺寸/mm Section size/mm						横截面积 Cross section area	理论重量 Overlapping waves theory
	高度h Height	腿宽度b Breadth	腰厚d Waist depth	腿厚t Leg depth	内圆角r Inner round corner	外圆角 r_1 Outer round corner		
GB/T 706								
[10	100	48	5.3	8.5	8.5	4.2	12.74	10
[12	120	53	5.5	9	9	4.5	15.36	12.1
[14a	140	58	6	9.5	9.5	4.8	18.51	14.5
[14b	140	60	8	9.5	9.5	4.8	21.31	16.7
[16a	160	63	6.5	10	10	5	21.95	17.2
[16b	160	65	8.5	10	10	5	25.15	19.8
[18a	180	68	7	10.5	10.5	5.2	25.69	20.2
[18b	180	70	9	10.5	10.5	5.2	29.29	23
[20a	200	73	7	11	11	5.5	28.83	22.6
[20b	200	75	9	11	11	5.5	32.83	25.8
[24a	240	78	7	12	12	6	34.21	26.9
[24b	240	80	9	12	12	6	39.01	30.6
[24c	240	82	11	12	12	6	43.81	34.4
[25a	250	78	7	12	12	6	34.91	27.4
[25b	250	80	9	12	12	6	39.91	31.3
[25c	250	82	11	12	12	6	44.91	35.3

备注: 具备GB/T 706标准中[10#~[40#型号开发能力
Remarks: the company has the development ability of [10#~ [40# model in GB / T 706 standard

热轧型钢规格表

hot-rolled section steel specifications table

角钢规格表 Angle specifications

热轧角钢产品 hot-rolled angle steel products	截面尺寸/mm Section size/mm				横截面积 Cross section area	理论重量 Overlapping waves theory
	边宽度b Edge width	边厚度 dEdge depth	内圆角r Inner round corner	外圆角r ₁ Outer round corner		
GB/T 706					cm ²	kg/m
∠100×100×6	100	6	12	2	11.93	9.37
∠100×100×7	100	7	12	2.3	13.8	10.8
∠100×100×8	100	8	12	2.7	15.64	12.3
∠100×100×9	100	9	12	3	17.46	13.7
∠100×100×10	100	10	12	3.3	19.26	15.1
∠100×100×12	100	12	12	4	22.8	17.9
∠100×100×14	100	14	12	4.7	26.26	20.6
∠100×100×16	100	16	12	5.3	29.63	23.3
∠125×125×8	125	8	14	2.7	19.75	15.5
∠125×125×10	125	10	14	3.3	24.37	19.1
∠125×125×12	125	12	14	4	28.91	22.7
∠125×125×14	125	14	14	4.7	33.37	26.2
∠125×125×16	125	16	14	5.3	37.74	29.6
∠140×140×10	140	10	14	3.3	27.37	21.5
∠140×140×12	140	12	14	4	32.51	25.5
∠140×140×14	140	14	14	4.7	37.57	29.5
∠140×140×16	140	16	14	5.3	42.54	33.4
∠160×160×10	160	10	16	3.3	31.5	24.7
∠160×160×12	160	12	16	4	37.44	29.4
∠160×160×14	160	14	16	4.7	43.3	34
∠160×160×16	160	16	16	5.3	49.07	38.5
∠180×180×12	180	12	16	4	42.24	33.2
∠180×180×14	180	14	16	4.7	48.9	38.4
∠180×180×16	180	16	16	5.3	55.47	43.5
∠180×180×18	180	18	16	6	61.96	48.6
∠220×220×16	220	16	21	5.3	68.67	53.9
∠220×220×18	220	18	21	6	76.75	60.3
∠220×220×20	220	20	21	6.7	84.76	66.5
∠220×220×22	220	22	21	7.3	92.68	72.8
∠220×220×24	220	24	21	8	100.5	78.9
∠220×220×26	220	26	21	8.7	108.3	85
∠250×250×18	250	18	24	6	87.84	69
∠250×250×20	250	20	24	6.7	97.05	76.2
∠250×250×22	250	22	24	7.3	106.2	83.3
∠250×250×24	250	24	24	8	115.2	90.4
∠250×250×26	250	26	24	8.7	124.2	97.5
∠250×250×28	250	28	24	9.3	133	104
∠250×250×30	250	30	24	10	141.8	111
∠250×250×32	250	32	24	10.7	150.5	118
∠250×250×35	250	35	24	11.7	163.4	128

备注: 具备GB/T 706标准中∠10#~∠36#型号开发能力

Remarks: the company has the development ability of ∠10# ~ ∠36# model in GB/T 706 standard

型钢主要钢种及性能表 Main steel grade and performance table of section steel

国标GB

标准 Standard	牌号 Grade	屈服强度 /MPa Yield Strength	抗拉强度 /MPa Tensile strength	屈强比 yield ratio	伸长率 A/% Elongation	纵向冲击试验 Longitudinal impact test		180°冷弯试验 180° cold bending test	
						温度/°C Temperature	冲击功KV ₂ /J impact energy		
GB/T 700	Q235B					20		d=a(≤60mm) d=2a(>60~100mm)	
	Q235C	≥235	370~500	-	≥26	0	≥27		
	Q235D					-20			
GB/T 1591	Q355B					20		d=2a(≤16mm) d=3a(>16~100mm)	
	Q355C					0	≥34		
	Q355D	≥355	470~630	-	≥22	-20			
	Q355NE/ME					-40	≥31		
	Q355NF/MF					-60	≥27		
	Q390B					20			d=2a(≤16mm) d=3a(>16~100mm)
Q390C	≥390	490~650	-	≥21	0	≥34			
Q390D					-20				
Q390NE/ME					≥20	-40	≥31		
GB/T 1591	Q420B					20		d=2a(≤16mm) d=3a(>16~100mm)	
	Q420C	≥420	520~680	-	≥20	0	≥34		
	Q420ND/MD					≥19	-20		≥40
	Q420NE/ME						-40		≥31
	Q460C					0	≥34		d=2a(≤16mm) d=3a(>16~100mm)
Q460ND/MD	≥460	540~720	-	≥17	-20	≥40			
Q460NE/ME						-40	≥31		
GB/T 1591	Q500MC					0	≥55	-	
	Q500MD	≥500	610~770	-	≥17	-20	≥47		
	Q500ME						-40		≥31
	A					20	-		-
B	≥235	400~520	-	≥22	0				
D					-20	≥27			
E					-40				
AH32					0		-		
DH32	≥315	450~570	-	≥22	-20	≥31			
EH32					-40				
FH32					-60				
AH36					0				

型钢主要钢种及性能表 Main steel grade and performance table of section steel

国标GB

标准 Standard	牌号 Grade	屈服强度 /MPa Yield Strength	抗拉强度 /MPa Tensile strength	屈强比 yield ratio	伸长率 A/% Elongation	纵向冲击试验 Longitudinal impact test		180°冷弯试验 180°cold bending test
						温度/°C Temperature	冲击功KV ₂ /J impact energy	
GB 712	DH36	≥355	490~630	-	≥21	-20	≥34	
	EH36					-40		
	FH36					-60		
	AH40	≥390	510~660	-	≥20	0	≥41	
	DH40					-20		
	EH40					-40		
	FH40	-60						
	AH420	≥420	530~680	-	≥18	0	≥42	
	DH420					-20		
	EH420					-40		
	FH420	-60						
	AH460	≥460	570~720	-	≥17	0	≥46	
	DH460					-20		
	EH460					-40		
FH460	-60							
GB/T 714	Q345qC	≥345	≥490	-	≥20	0	≥120	d=2a(≤16mm) d=3a(>16mm)
	Q345qD					-20		
	Q345qE					-40		
	Q370qC	≥370	≥510	-	≥20	0	≥120	
	Q370qD					-20		
	Q370qE					-40		
	Q420qD	≥420	≥540	-	≥19	-20	≥120	
	Q420qE					-40		
	Q420qF					-60		
	Q460qD	≥460	≥570	-	≥18	-20	≥120	
	Q460qE					-40		
	Q460qF					-60		
GB/T 4171	Q355NHB	≥355	490~630	-	≥22	20	≥47	
	Q355NHC					0	≥34	
	Q355NHD					-20	≥34	
	Q355NHE					-40	≥27	

国标GB

标准 Standard	牌号 Grade	屈服强度 /MPa Yield Strength	抗拉强度 /MPa Tensile strength	屈强比 yield ratio	伸长率 A/% Elongation	纵向冲击试验 Longitudinal impact test		180°冷弯试验 180°cold bending test
						温度/°C Temperature	冲击功KV ₂ /J impact energy	
GB/T 4171	Q415NHB	≥415	520~680	-	≥22	20	≥47	d=a(≤6mm) d=2a(>6~16mm) d=3a(>16mm)
	Q415NHC					0	≥34	
	Q415NHD					-20	≥34	
	Q415NHE					-40	≥27	
	Q460NHB	≥460	570~730	-	≥20	20	≥47	
	Q460NHC					0	≥34	
	Q460NHD					-20	≥34	
	Q460NHE					-40	≥27	
GB/T 19879	Q235GJB	235~345	400~510	≤0.80	≥23	20	≥47	d=2a(≤16mm) d=3a(>16mm)
	Q235GJC					0		
	Q235GJD					-20		
	Q235GJE					-40		
	Q345GJB	345~455	490~610	≤0.80	≥22	20	≥47	
	Q345GJC					0		
	Q345GJD					-20		
	Q345GJE					-40		
	Q390GJB	390~510	510~660	≤0.83	≥20	20	≥47	
	Q390GJC					0		
	Q390GJD					-20		
	Q390GJE					-40		
	Q420GJB	420~550	530~680	≤0.83	≥20	20	≥47	
	Q420GJC					0		
	Q420GJD					-20		
	Q420GJE					-40		
Q460GJB	460~600	570~720	≤0.83	≥18	20	≥47		
Q460GJC					0			
Q460GJD					-20			
Q460GJE					-40			

注：对有厚度效应的性能指标仅列出最小厚度档对应的要求值，其它厚度的性能要求值见相应标准。
Note: The thickness of the performance indicators only listed the minimum thickness of the corresponding requirements of the value and other thickness of the performance requirements see the corresponding standards.

型钢主要钢种及性能表 Main steel grade and performance table of section steel

目标JIS

标准 Standard	牌号 Grade	屈服强度 ReH/MPa Yield Strength					抗拉强度 Rm/MPa Tensile strength	屈强 比/% yield ratio	伸长率 Elongation			纵向冲击试验 Longitudinal impact test		180° 冷弯 试验 180° cold bending test
		<12 mm	12 ~ 16 mm	>16 ~ 40 mm	>40 ~ 100 mm	>100 ~ 160 mm			A200/%	A50/%	>40 mm	温度/°C Temper- ature	冲击功 KV2/J impact energy	
JIS G 3101	SS400	≥245	≥235	≥215	≥205	400~510	-	≥17	≥21	≥23	-	-	d=3a	
JIS G 3106	SM490A	≥325	≥315	≥295	≥285	490~610	-	≥17	≥21	≥23	-	-	-	
	SM490B						0				≥27	-		
JIS G 3136	SN400A	≥235		≥215	-	400~510	-	≥17	≥21	≥23	-	-	-	
	SN400B	≥235	235~355	215~335	-	400~510	≤80	≥18	≥22	≥24	0	≥27	-	
	SN490B	≥325	325~445	295~415	-	490~610	≤80	≥17	≥21	≥23	0	≥27	-	

欧标EN

标准 Standard	牌号 Grade	屈服强度 ReH/MPa Yield Strength	抗拉强度 Rm/MPa Tensile strength	伸长率 A/% Elongation	纵向冲击试验 Longitudinal impact test	
					温度/°C Temperature	冲击功KV2/J impact energy
EN 10025-2	S235JR	≥235	360~510	≥26	20	≥27
	S235J0				0	
	S275JR	≥275	410~560	≥23	20	≥27
	S275J0				0	
	S275J2				-20	
	S355JR				20	
	S355J0	0				
	S355J2	-20				
	S355K2	-20	≥40			
	S450J0	≥450	550~720	≥17	0	≥27
EN 10025-4	S355M	≥355	470~630	≥22	-20	≥40
	S355ML				-50	≥27
	S460M	≥460	540~720	≥17	-20	≥40
EN 10025-5	S355J0WP	≥355	470~630	≥22	0	≥27
	S355J2WP				-20	
	S355J0W	≥355	470~630	≥22	0	≥27
	S355J2W				-20	
	S355K2W				-20	

注：对有厚度效应的性能指标仅列出最小厚度档对应的要求值，其它厚度的性能要求值见相应标准。
Note: The thickness of the performance indicators only listed the minimum thickness of the corresponding requirements of the value and other thickness of the performance requirements see the corresponding standards.

美标ASTM/ASME

标准 Standard	牌号 Grade	屈服强度 ReH/MPa Yield strength	抗拉强度 Rm/MPa Tensile strength	屈强 比 yield ratio	伸长率/% Elongation		纵向冲击试验 Longitudinal impact test											
					A ₂₀₀	A ₅₀	温度/°C Temperature	冲击功KV ₈ /J impact energy										
								≤50 mm	>50~70 mm	>70~100 mm								
ASTM A36/A36M	A36	≥250	400~550	-	≥20	≥21	-	-	-									
ASTM A572/A572M	A572(Gr50)	≥345	≥450	-	≥18	≥21	-	-	-									
	A572(Gr55)	≥380	≥485	-	≥17	≥20	-	-	-									
	A572(Gr60)	≥415	≥520	-	≥16	≥18	-	-	-									
	A572(Gr65)	≥450	≥550	-	≥15	≥17	-	-	-									
ASTM A992/A992M	A992	345~450	≥450	≤0.85	≥18	≥21	-	-	-									
ASTM A131/A131M	A	≥235	400~520	-	≥21	≥24	20	-	-									
	B						0	≥27	≥34	≥41								
	D						-20											
	E						-40											
	AH32						≥315	440~590	-	≥19	≥22	0	≥31	≥38	≥46			
	DH32	-20																
	EH32	-40																
	FH32	-60																
	ASTM A131/A131M	AH36	≥355	490~620	-	≥19	≥22	0	≥34	≥41	≥50							
		DH36						-20										
EH36		-40																
FH36		-60																
AH40		≥390						510~650				-	≥19	≥22	0	≥39	≥46	≥55
DH40															-20			
EH40	-40																	
FH40	-60																	
ASTM A709/A709M	A709(Gr50F-1)	≥345	≥450	-	≥18	≥21	21	≥34	≥41	-								
	A709(Gr50F-2)						4											
	A709(Gr50F-3)						-12											
ASTM A913/A913M	A913(Gr50)	≥345	≥450	-	≥18	≥21	21	≥54	-	-								
	A913(Gr60)	≥415	≥520	-	≥16	≥18												
	A913(Gr65)	≥450	≥550	-	≥15	≥17												
	A913(Gr70)	≥485	≥620	-	≥14	≥16												

型钢主要钢种及性能表 Main steel grade and performance table of section steel

俄标RS/ГОСТ

标准 Standard	牌号 Grade	钢材厚度 /mm Thickness	屈服强度 R _{eL} /MPa Yield Strength	抗拉强度 R _m /MPa Tensile strength	伸长率 A/% Elongation	180° 冷弯试验 180° cold bending test	纵向冲击试验 Longitudinal impact test		时效 冲击韧性 KCU(J/cm ²) Aging impact toughness
							温度/°C Temperature	冲击韧性 KCU(J/cm ²) impact toughness	
ГОСТ 27772	C235	≥4~20	≥235	≥360	≥26	d=a	-	-	-
		>20~40	≥225			d=2a	-	-	-
	C245	≥4~20	≥245	≥370	≥25	d=a	-	-	≥29
		>20~25	≥235			d=2a	-	-	
		>25~30				-	-	-	
	C255	≥4~10	≥255	≥380	≥25	d=a	-20	≥29	≥29
		>10~20	≥245			≥370			
		>20~40	≥235	≥24	-				
	C275	≥4~10	≥275	≥390	≥24	d=a	-	-	≥29
		>10~20	≥275	≥380	≥23	d=a	-	-	
	C285	≥4~10	≥285	≥400	≥24	d=a	-20	≥29	≥29
		>10~20	≥275	≥390	≥23	d=a			
	C345	≥4~10	≥345	≥490	≥21	d=2a	-70	≥34	≥29
		>10~20	≥325	≥470				≥29	
>20~40		≥305	≥460	-40				≥34	
C345K	≥4~10	≥345	≥470	≥20	d=2a	-40	≥39	-	
C375	≥4~10	≥375	≥510	≥21	d=2a	-70	≥34	≥29	
	>10~20	≥355	≥490				≥29		
	>20~40	≥335	≥480				-40		≥34
ГОСТ 19281	265	≤100	≥265	≥430	≥21	d=2a	-40	≥29	≥29
		>100~250	≥265					≥430	
	295	≤100	≥295	≥430	-	-	-	-	
		>100~160	≥295	≥430	-70	≥34			
	315	≤140	≥315	≥440	-	-	-	-	
	325	≤60	≥325	≥450	-70	≥34			
		>60~140	≥325	≥450	-70	≥29			
	345	≤20	≥345	≥480	-70	≥29			
		>20~140	≥345	≥480	-	-			
355	≤140	≥355	≥480	-	-				
375	≤20	≥375	≥510	-40	≥39				
	>20~50	≥375	≥510	-70	≥34				
390	≤20	≥390	≥530	≥19	-70	≥34			
	>20~50	≥390	≥530	-	-				
440	≤16	≥440	≥590	-	-				

注：ГОСТ 19281标准中牌号的冲击试验温度根据订货时的交货类别确定，表中所列为标准中最高要求。

Note: The impact test temperature of the grade in the ГОСТ 19281 standard is determined by the type of delivery at the time of order, which is the highest requirement in the table.