

# MUCHANG MATERIALS

天津市牟昌进出口贸易有限公司

TIANJIN MUCHANG MATERIALS  
IMP.&EXP.CORP



感恩的心回报每一份信赖，您的需要让我们知道。

We are grateful for your trust, and willing to learn what you need.



## 我们的团队：

诚信、业绩、专业、团队、学习、创新

## Our Team has the mind of:

**Integrity, Performance, Professionalism,  
Teamwork, Learning, Innovation**

## Subsidiaries 子[公司]

>>天津市荣诚进出口贸易有限公司

**TIANJIN GLORY FAITH IMP. & EXP. CO., LTD [TRADE]**

>>烟台市顺祥金属铸造有限公司

**YANTAI SHUNXIANG IRON CASTING CO., LTD [MILL]**

>>天津市牟昌进出口贸易有限公司烟台分公司

**TIANJIN MUCHANG MATERIALS IMP. & EXP. CO., LTD, YANTAI BRANCH.**

# Partner Mills 合作[企业]



## Corporate Overview 企业[简介]

天津市牟昌进出口贸易有限公司是经天津市政府批准成立的以开展进出口贸易为主的公司。地处优美的渤海之滨，距天津港50公里。公司依托北方钢铁产区，与国内一流企业合作，分销和出口优质钢铁产品。经营品种包括各种板材、钢管、线材、长材等一些列产品。

公司坚持优质、高效、服务客户，质量意识和服务意识贯彻到每个环节，以高品质、有竞争力的价格、及时的交货期赢得众多客户的认可和信赖。

公司拥有一批精通外贸、外语、经营管理、储运等方面的人才，在广大员工的共同努力下，与一大批客户建立了稳定的合作关系，产品销往欧洲、中美、南美、非洲、中东等地，贸易伙伴遍及全世界三十多个国家和地区，年贸易额逾千万美金。

Tianjin Muchang Materials Imp.& Exp. Corp is a professional steel product supplier and exporter in China. It located in Tianjin City, 50 miles away from Tianjin Port. Company keep good relation with many first class manufactures, such as HBIS, BAOSTEEL, TPCO, Rizhao Steel, Hengyang Valin Steel Tube, Zhonguan Plate, Huijin Plate and many other mill, we devoted to introducing quality products to the world, benefiting people's life. The product include steel pipes, steel sheet and coil, profiled bar, and reinforcing bars. We make effort to build a first class corporate in Chinese steel import and export line.

Tianjin Muchang Materials adhere to the quality, efficiency, customer service. We satisfied our valued customer by on time shipment, good quality and competitive price.

In last decade, with an experienced, dynamic and highly efficient sales team, Tianjin Muchang has served many steel consumers, and achieved the annual export amount of ten million. We have successfully exported our products to more than 30 countries in the Middle East, Europe, and South America, Africa, Australia, etc.

# Business Concept 经营[理念]

## 企业使命：

致力于推广优质钢铁产品，服务于人民生活。全力打造国内一流的钢铁流通企业。

## Our Mission:

Devote to introducing quality products to the world, benefiting people's life. Make effort to build a first class corporate in Chinese steel import and export line.

## 企业精神：

诚信、专业、团队、创新

## Our Philosophy:

Integrity, professionalism, teamwork, innovation

## 企业价值观：

与时代共同前进，与客户共创价值，与员工共同成长。

## Our Values:

Go forward together with the era, Create values together with customers, Develop together with employees

# Main Products 主要[产品]

**Plate and Sheet 板材**

**Steel Pipes 管材**

**Profiled Bars 型材**

**Reinforcing Bar and Wire Rod 螺线**

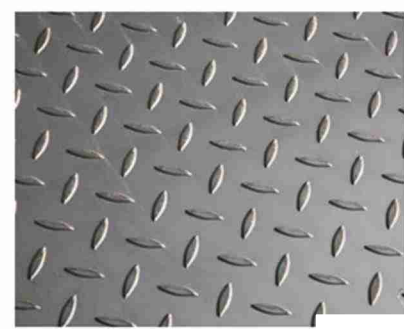
## 热轧卷板 [Hot Rolled Steel Plate]

用连铸板坯或初轧板坯作原料，经过加热炉加热粗轧精轧后成为热轧卷。热轧卷平整切板后成为热轧板。不同材质的热轧板广泛应用于建筑、机加工、造船等领域，以及轧制冷卷的原料。

Hot rolled steel coil produced by slab and billet as raw material, after rough rolling and accurate rolling in the furnace become hot rolled steel coil. Different material of hot rolled plate widely used for construction, machine, container manufacture, shipping building, bridge, and as raw material of cold rolled coil.



|                |  |
|----------------|--|
| 材质 Main Grade  | A36, Q195, Q235, SS400, SPHC, ST37/52, SAE1006/1008/1018 |
| 厚度 Thickness   | 1.5mm-200mm  |
| 宽度 Usual Width | 1000,1200,1219,1220,1250,1500,1800,2000, etc             |
| 长度 Length      | Coil or as custom's request                              |



## 冷轧卷板 [Cold Rolled Steel Coil]

冷轧板是以经过酸洗去除氧化铁皮后的优质热轧钢卷为原料，在冷轧机组上施以轧制变形后，经过退火、平整、精整等工序而制成。冷轧卷具有优良的机械和加工性能以及厚度精准等特点。广泛应用于建筑、汽车、家电、交通等

Cold-rolled sheet with high quality hot rolled coil as raw material is made in such a process as descaling through pickling, deforming by rolling in the cold mill, electro-cleaning and annealing as well as skin passing and finishing etc.

Cold rolled sheet with fine characteristic such as being accurate of machinery, processing characteristics and thickness, used with such trades as the architecture, automobile, electrical home appliances, traffic etc. Apart from being raw materials for hot dip galvanizing line.

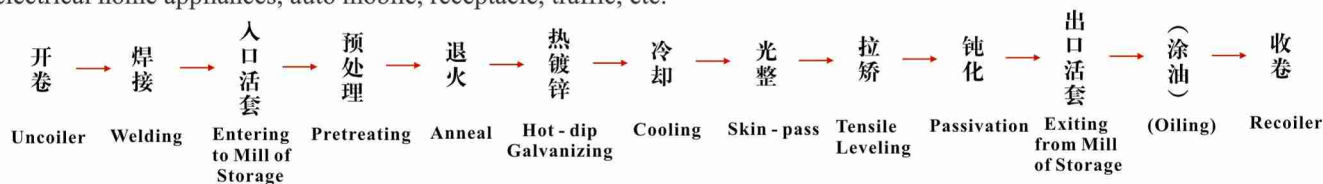
|              |  |                               |
|--------------|--|-------------------------------|
| 材质 Grade     | 普通 Common  | Q195,SPCC, DC01, ST12         |
|              | 冲压 Draw  | 08AL,SPCD,DC03/04,ST13, ST14  |
|              | 深冲 Deep drawing  | 08AL,SPCE, DC05/06,ST15, ST16 |
| 厚度 Thickness | 0.2mm-2.0mm  |                               |
| 宽度 Width     | 1000mm,1200,1219,1250,1500 mm or as per customer's request |                               |



## 镀锌镀铝锌卷 [Galvanized and Aluminum Zinc Coated Coil]

镀锌板是由冷轧机组轧制后的钢带送入连续热镀锌机组，经过电解清洗，连续退火，然后浸入熔融的锌锅中热浸镀锌或镀铝锌。在经过光整拉矫及钝化等处理而完成。热镀之后的钢材，耐腐蚀性大大提高，延长了钢板的使用寿命。主要应用于建筑、家电、汽车、容器、交通等领域。

Zinc and aluzinc coated coil produced by continuous cold rolled coil as following step. After hot dip galvanizing, the coil have good performance in corroding environment. It's service would be extended greatly. This material widely used as architecture, electrical home appliances, auto mobile, receptacle, traffic, etc.



|                   |   |
|-------------------|---|
| 材质 Main Grade     | SGCC(SGLCC),SGCD(SGLCD),SGHC,DC51D,DX51D-DX54D,S350GD,S450GD,S550GD |
| 厚度 Thickness      | 0.12-4.0mm  |
| 宽度 Width          | 660mm to 1500mm   |
| 锌层 Zinc coating   | Z60 to Z275, AZ40 to AZ150, G30 to G90                              |
| 内径 Inner Diameter | 508mm, 610mm  |



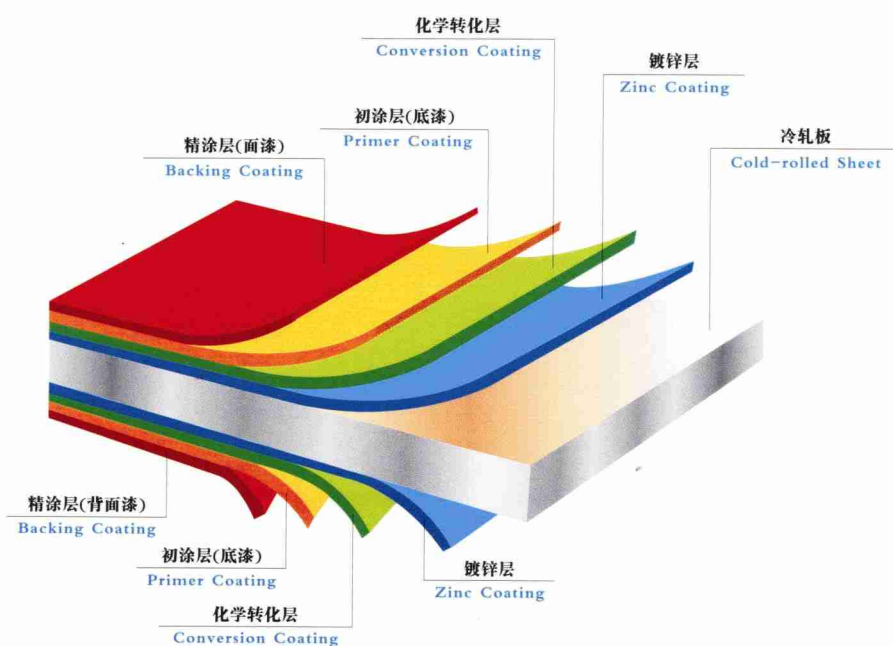


## 彩涂卷 [Color Coated Steel Coil]

彩涂板是将镀层钢板进行表面化学处理（脱脂、磷化、铬酸钝化），然后涂覆涂料，再经烘烤制成的产品。广泛应用于建筑、家电、家具、公共设施及交通运输等领域。

The color coated sheet is made by proceeding the chemistry treating ( the degrease, phosphorus, chromium hydrochloric acid passivation) on the surface of steel sheet (zinc sheet, aluzinc sheet).then draw the coating, again baking. It is widely used in such field as architecture, electrical home appliances, furniture, communal facilities and transportation.

|                            |  |
|----------------------------|--|
| 厚度 Thickness               | 0.2-1.5mm  |
| 宽度 Width                   | 800mm,914mm,1000mm,1200mm,1219mm,1250mm,or other width |
| 长度 Length                  | in roll, 1000mm to 6000mm or as per customers request. |
| 基板 Base Plate              | Z60-Z275,AZ30-AZ150                                    |
| 涂层厚度<br>Painting Thickness | 面漆 Top side: 10-20microns;                             |
|                            | 底漆 Primer: 5~7microns.                                 |
|                            | 背漆 Back side: 5~7microns.                              |
| 颜色 Color System            | RAL Color System or as per buyer's color sample.       |
| 卷重 Usual Coil Weight       | 3ton to 8 ton  |
| 内径 Inner Diameter          | 508mm,610mm  |

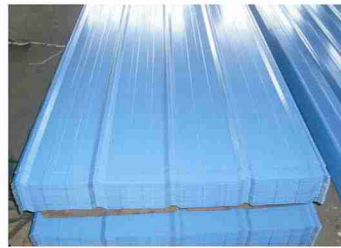


## 压型板 [Corrugated Sheet]

压型板是薄钢板经冷轧或冷压成型的板材。原材料通常包括镀锌板、镀铝锌板、彩涂板。板型包括承重瓦，屋面和墙体瓦，仿古瓦等。广泛用于仓库、厂房、展览中心等建设。

Corrugated sheet is produced by galvanized coil, alu-zinc coil, color coated coil. The Type include decking sheet, wave roofing, antique tile and so on. Widely used in warehouse, factory, exhibition center. It can be used both for wall and roof.

|              |   |
|--------------|---|
| 原料 Material  | Galvanized sheet, Aluzinc sheet, Color coated sheet |
| 厚度 Thickness | 0.14-1.0mm  |
| 宽度 Width     | 600mm to 1100mm                                     |
| 长度 Length    | up to client option.                                |



|                       |                        |                        |                        |
|-----------------------|------------------------|------------------------|------------------------|
| <p>1.YX18-80-850</p>  | <p>2.YX25-287-860</p>  | <p>3.YX28-280-840</p>  | <p>4.YX10-130-910</p>  |
| <p>5.YX25-205-820</p> | <p>6.YX35-125-750</p>  | <p>7.YX15-225-900</p>  | <p>8.YX51-410-820</p>  |
| <p>9.YX76-380-760</p> | <p>10.YX76-344-688</p> | <p>11.YX51-250-750</p> | <p>12.YX75-200-600</p> |

## Steel Pipes 管材

### 无缝钢管 [Seamless Steel Pipe]

无缝钢管是一种具有中空截面、周边没有接缝的圆形，方形，矩形钢材。无缝钢管是用钢锭或实心经穿孔制成毛管，然后经热轧、冷轧或冷拔制成。广泛用于制造结构件和机械零件，如石油钻杆、汽车传动轴、自行车架以及建筑施工中用的钢脚手架等。钢管还是各种常规武器不可缺少的材料，枪管、炮筒等都要钢管来制造。按生产工艺分为热轧管，冷轧管，冷拔管。

Seamless steel pipe is a hollow section, no seams around. The shape include round, square, rectangular. Seamless steel pipe is made of pipe billet or solid tube piercing the tube, and then by hot-rolled, cold-rolled or cold-drawn. Widely used in the manufacture of structural parts and mechanical parts, such as drill pipe, automotive drive shafts, bicycle frames and construction using steel scaffolding. Steel pipe is also indispensable material for variety of conventional weapons and barrel etc. According to the production technology seamless steel pipe divided into hot-rolled pipes, cold rolled tubes, and cold drawn tubes.

| 种类 Type                 | 标准 Standard   | 材质 Steel Grade  |
|-------------------------|---|---|
| 管线管 Line Pipe           | API 5L, ASTM A53/A106, DIN1629, JIS G3454, JIS3466                        | A, B, X42, X46, X52, X56, X60, X65, X70, St37, ST52,                                    |
| 气瓶管 Cylinder Pipe       | GB18248   | 34Mn2V, 37Mn, 30CrMo, 34CrMo4   |
| 锅炉管 Boiler tube         | ASME SA106, ASME SA210, ASME SA213, ASME SA335, DIN 17175, GB3087, GB5310 | A, B, V, T11, T12, T22, T91, St35.8, St45.8, 20#, 20G, 20MnG, 20MoG, 15CrMoG, 12Cr1MoVG |
| 结构管 structure pipe      | ASTM A53/A106, GB8162   | A, B, 20#, 45#, Q345, 20Mn2, 42CrMo   |
| 液压支柱管 Hydraulic tube    | GB17396   | 35#, 45#, 27SiMn, 20CrMo4, 30CrMo4  |
| 石油裂化管 Oil cracking tube | ASME SA 213, GB9948   | T5, T9, 20#, 16Mn, 12CrMo, 15CrMo   |
| 化肥管 Chemical pipe       | GB6479  | 20#, 16Mn, 12CrMo, 15CrMo   |

Pipe Coating:

FBE (Fusion bond epoxy) coating

3PE (Three layer polyethylene) coating

3PP (Three layer polypropylene) coating



## 高频焊管 [ERW Pipe]

高频焊钢管是由带钢或钢板高频焊接而成。广泛应用于建筑、低压流体输送、脚手架、石油工业及结构支撑等。  
ERW pipe is welded by steel trip. Widely used in the field of construction, low pressure of liquid transportation, scaffolds gas and petroleum

products, or structure use.

|                   |   |
|-------------------|---|
| 标准 Standard       | BS1387, ASTM A53 ,GB3091, API5L, JIS  |
| 钢级 Grade          | A, B, X42- X56, Q195, Q235, Q345  |
| 外径 Outer Diameter | 10mm to 406.4mm(1/2" to 16")  |
| 厚度 Thickness      | 0.5mm-10mm  |
| 长度 Length         | 5.8m ,6m, 9m, 12m, or other length as request   |
| 表面 Surface        | 热镀锌、电镀锌、预镀锌、黑漆或清漆. Hot dip galvanizing, electro-galvanizing, pre-galvanized pipe, black or varnish painting etc |
| 端部 Ending Type    | 平头或者车丝管箍盖帽. Plain end or screwed with socket and plastic cap  |

### BS1387 pipe dimension

| 通径 Nominal(DN) |     | 外径 Outside diameter | 壁厚 Wall thickness mm |        |       |
|----------------|-----|---------------------|----------------------|--------|-------|
| Inch           | mm  | mm                  | Light                | Medium | Heavy |
| 1/2            | 15  | 21.3                | 2                    | 2.6    | 3.2   |
| 3/4            | 20  | 26.7                | 2.3                  | 2.6    | 3.2   |
| 1              | 25  | 33.4                | 2.6                  | 3.2    | 4     |
| 1 1/4          | 32  | 42.2                | 2.6                  | 3.2    | 4     |
| 1 1/2          | 40  | 48.3                | 2.9                  | 3.2    | 4     |
| 2              | 50  | 60.3                | 2.9                  | 3.6    | 4.5   |
| 2 1/2          | 65  | 75                  | 3.2                  | 3.6    | 4.5   |
| 3              | 80  | 88.9                | 3.2                  | 4      | 5     |
| 4              | 100 | 114.3               | 3.6                  | 4.5    | 5.4   |
| 5              | 125 | 141.3               | -                    | 5      | 5.4   |
| 6              | 150 | 168.3               | -                    | 5      | 5.4   |



## 方矩管 [Square and Rectangular Pipe]

方矩管分无缝和焊接两种。通常用的方矩管是焊接方矩管。表面可做涂漆涂油镀锌等防锈处理。主要用于机械加工，建筑结构，汽车、造船、电厂等。

Square and rectangular tube can be welded tube and seamless tube, surface can be painted of anti rust oil or hot dip galvanized, it is used for machinery, processing, structure building, automobile manufacturing, shipbuilding, electric power etc.

|              |  |
|--------------|--|
| 标准 Standard  | GB/T6728-2002, GB/T6725-2002, GBT3094-2000, JG 178-2005, ASTM A500<br>JIS G3466, EN10210 etc |
| 材质 Grade     | Q195, Q235, Q345, S235JR, St37-2   |
| 直径 Diameter  | 10x10mm to 600x600mm   |
| 厚度 Thickness | 0.5mm-20mm   |
| 长度 Length    | 5.8m, 6m, 9m, 12m, or other length as request  |
| 表面 Surface   | 涂油黑漆或镀锌 Oiled, black painted or hot dip galvanized   |

| 方管 Square Steel Pipe |       |              |       |       |              | 矩管 Rectangular Steel Pipe |        |              |       |         |              |
|----------------------|-------|--------------|-------|-------|--------------|---------------------------|--------|--------------|-------|---------|--------------|
| L1 mm                | L2 mm | Thickness mm | L1 mm | L2 mm | Thickness mm | L1 mm                     | L2 mm  | Thickness mm | L1 mm | L2 mm   | Thickness mm |
| 10                   | 10    | 0.3-1.0      | 115   | 115   | 2.0-12.0     | 18                        | 10     | 0.4-0.8      | 150   | 80-100  | 3.0-14.0     |
| 12                   | 12    | 0.3-1.0      | 120   | 120   | 2.0-16.0     | 20                        | 8-14   | 0.4-2.0      | 160   | 80-130  | 5.0-16.0     |
| 15                   | 15    | 0.4-1.4      | 135   | 135   | 2.0-16.0     | 25                        | 12-20  | 0.5-1.5      | 175   | 100-150 | 5.0-20.0     |
| 10                   | 10    | 0.5-1.5      | 140   | 140   | 2.0-18.0     | 30                        | 10-20  | 0.5-2.5      | 180   | 80-150  | 3.0-20.0     |
| 18                   | 18    | 0.4-1.5      | 150   | 150   | 2.0-20.0     | 38                        | 25     | 0.7-1.5      | 200   | 80-160  | 3.0-20.0     |
| 20                   | 20    | 0.5-2.0      | 160   | 160   | 3.0-20.0     | 40                        | 10-30  | 0.7-3.75     | 220   | 120-200 | 3.0-25.0     |
| 25                   | 25    | 0.5-2.5      | 180   | 180   | 3.0-20.0     | 45                        | 20     | 1.5-4.0      | 250   | 100-225 | 4.0-25.0     |
| 28                   | 28    | 0.5-1.5      | 200   | 200   | 4.0-22.0     | 50                        | 10-40  | 0.6-4.0      | 260   | 90-175  | 6.0-25.0     |
| 30                   | 30    | 0.5-4.0      | 220   | 220   | 4.0-22.0     | 60                        | 20-40  | 0.6-5.0      | 280   | 120-240 | 6.0-25.0     |
| 35                   | 35    | 0.6-1.8      | 240   | 240   | 4.0-22.0     | 70                        | 20-50  | 1.0-6.0      | 300   | 100-250 | 4.0-24.0     |
| 40                   | 40    | 0.6-6.0      | 250   | 250   | 4.0-22.0     | 75                        | 50-45  | 2.0-8.0      | 310   | 210     | 7.0-25       |
| 50                   | 50    | 0.7-6.0      | 260   | 260   | 4.0-25.0     | 80                        | 40-60  | 0.7-8.0      | 320   | 200     | 7.0-25       |
| 60                   | 60    | 0.7-6.0      | 280   | 280   | 6.0-25.0     | 90                        | 50-60  | 2.0-8.0      | 350   | 150-300 | 7.0-25.0     |
| 70                   | 70    | 0.9-6.0      | 300   | 300   | 6.0-25.0     | 100                       | 20-80  | 1.0-9.0      | 360   | 200-350 | 7.0-25.0     |
| 75                   | 75    | 1.0-7.5      | 350   | 350   | 6.0-25.0     | 110                       | 60-75  | 3.0-10.0     | 400   | 150-300 | 7.0-25.0     |
| 80                   | 80    | 1.0-8.0      | 400   | 400   | 6.0-25.0     | 120                       | 60-100 | 3.0-14.0     | 450   | 150-350 | 7.0-25.0     |
| 90                   | 90    | 2.0-10.0     | 500   | 500   | 6.0-25.0     | 125                       | 90-100 | 3.0-14.0     | 500   | 200-400 | 7.0-25.0     |
| 100                  | 100   | 1.5-12.0     | 600   | 600   | 6.0-25.0     | 130                       | 120    | 3.0-14.0     | 600   | 200     | 8.0-25.0     |
| 110                  | 110   | 2.0-12.0     |       |       |              | 140                       | 80     | 3.0-10.0     |       |         |              |



## 埋弧焊管 [SAW pipe]

埋弧焊钢管分为直缝埋弧和螺旋埋弧。因口径大被用于输水、石油天然气管道及建筑领域。

SAW pipe including Longitudinal Submerged Arc Welded Pipe, and Spiral Submerged Arc Welded pipe, Used for the conveyance of water, gas and petroleum products, as well as construction structure.

|                      |   |
|----------------------|---|
| 标准 Standard          | API 5L, EN10208,GB9711,ISO,GB                     |
| 材质 Grade             | A,B, X42 to X70, Q235, Q345                       |
| 外径 Outer diameter    | 219.1mm to 2134mm (8" to 84")                     |
| 壁厚 Thickness         | 5mm-30mm  |
| 长度 Length            | 6m, 9m, 12m, or other length as request           |
| 端部 Ending Type       | 平头或坡口带保护器 Beveled end with socket and plastic cap |
| 表面 Surface Treatment | 黑漆或清漆 Black or varnish painting anti-corrosion    |



## Profiled Bar 型材

型材包含热轧和冷弯型材。我公司主要供应工字钢、H型钢、角钢、槽钢、扁钢、檩条等。

Include hot rolled and cold bend profiled bar. Main profiled bar we supply IPE, IPEAA, H beam, Angle Bar, channel, flat bar and purlines .

|                      |   |
|----------------------|---|
| 材质 Grade             | SS400 A36 Q235 Q345 S235JR S355JR ST37 etc  |
| 表面 Surface Treatment | Black steel, Hot dip Galvanized, Black Painted, Oiled   |
| 应用 Application       | machinery, processing, structure building, automobile manufacturing, shipbuilding, electric power |

## 工字钢 [I Beam , IPE & IPEAA]

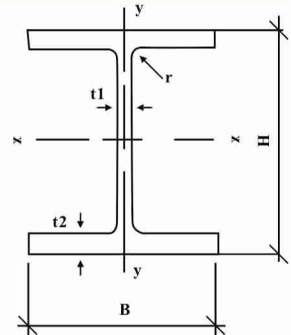
| 国标 Hot Rolled Common I Beam |             |            |               | 国标 Hot Rolled Common I Beam |             |            |               | 欧标 European Standard of IPE AND IPEAA mm |             |                 |               |               |
|-----------------------------|-------------|------------|---------------|-----------------------------|-------------|------------|---------------|--|-------------|-----------------|---------------|---------------|
| Waist Height                | leg breadth | Thick-ness | theory weight | Waist Height                | leg breadth | Thick-ness | theory weight | Waist Height                             | leg breadth | waist thickness | leg thickness | theory weight |
| 80                          | 50          | 4.5        | 7.52          | 280                         | 122         | 8.5        | 43.492        | IPEAA 80                                 | 46          | 3.2             | 4.2           | 5             |
| 100                         | 68          | 4.5        | 11.261        | 280                         | 124         | 10.5       | 47.888        | IPE 80                                   | 46          | 3.8             | 5.2           | 6             |
| 126                         | 74          | 5          | 14.223        | 300                         | 126         | 9          | 48.084        | IPEAA 100                                | 55          | 3.6             | 4.5           | 6.72          |
| 140                         | 80          | 5.5        | 16.89         | 300                         | 128         | 11         | 52.794        | IPE 100                                  | 55          | 4.1             | 5.7           | 8             |
| 160                         | 88          | 6          | 20.513        | 320                         | 130         | 9.5        | 52.717        | IPEAA 120                                | 64          | 3.8             | 4.8           | 8 1/3         |
| 180                         | 94          | 6.5        | 24.143        | 320                         | 132         | 11.5       | 57.741        | IPE 120                                  | 64          | 4.4             | 6.3           | 10.4          |
| 200                         | 100         | 7          | 27.929        | 320                         | 134         | 13.5       | 62.765        | IPEAA 140                                | 73          | 3.8             | 5.2           | 10            |
| 200                         | 102         | 9          | 31.069        | 360                         | 136         | 10         | 60.037        | IPE 140                                  | 73          | 4.7             | 6.9           | 12.9          |
| 220                         | 110         | 7.5        | 33.07         | 360                         | 138         | 12         | 65.689        | IPEAA 160                                | 82          | 4               | 5.6           | 12.31         |
| 220                         | 112         | 9.5        | 36.524        | 360                         | 140         | 14         | 71.341        | IPE 160                                  | 82          | 5               | 7.4           | 15.8          |
| 250                         | 116         | 8          | 38.105        | 400                         | 142         | 10.5       | 67.598        | IPE 180                                  | 91          | 5.3             | 8             | 18.8          |
| 250                         | 118         | 10         | 42.03         | 400                         | 144         | 12.5       | 73.878        | IPE 200                                  | 100         | 5.6             | 8.5           | 22.4          |
|                             |             |            |               | 400                         | 146         | 14.5       | 80.158        | IPE 220                                  | 110         | 5.9             | 9.2           | 26.2          |
|                             |             |            |               |                             |             |            |               | IPE 240                                  | 120         | 6.2             | 9.8           | 30.7          |
|                             |             |            |               |                             |             |            |               | IPE 270                                  | 135         | 6.6             | 10.2          | 36.1          |



## H 型钢 [H Beam]

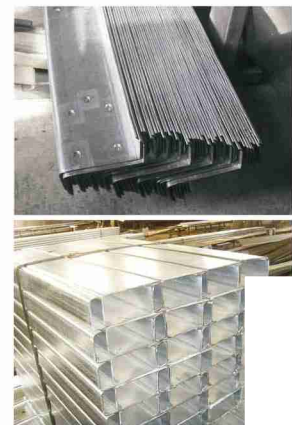
| H Beam  |     |    |            |            | H Beam  |    |    |            |            | H Beam  |    |    |            |            |
|---------|-----|----|------------|------------|---------|----|----|------------|------------|---------|----|----|------------|------------|
| H*B     | T1  | T2 | W1<br>kg/m | W2<br>kg/m | H*B     | T1 | T2 | W1<br>kg/m | W2<br>kg/m | H*B     | T1 | T2 | W1<br>kg/m | W2<br>kg/m |
| 100*100 | 6   | 8  | 16.9       | 17.2       | 300*300 | 10 | 15 | 93         | 94.5       | 450*200 | 9  | 14 | 77.9       | 79.5       |
| 125*125 | 6.5 | 9  | 23.6       | 23.8       | 300*305 | 15 | 15 | 105        | 106        | 450*300 | 11 | 18 | 121        | 124        |
| 150*75  | 5   | 7  | 14         | 14.3       | 346*174 | 6  | 9  | 41.2       | 41.8       | 500*150 | 10 | 16 | 75.6       | 77.1       |
| 150*100 | 6   | 9  | 20.7       | 21.4       | 350*250 | 9  | 14 | 78.1       | 79.7       | 496*199 | 9  | 14 | 77.9       | 79.5       |
| 150*150 | 7   | 10 | 31.1       | 31.9       | 344*348 | 10 | 16 | 113        | 115        | 500*200 | 10 | 16 | 88.2       | 89.6       |
| 175*90  | 5   | 8  | 18         | 18.2       | 350*350 | 12 | 19 | 135        | 137        | 506*201 | 11 | 19 | 102        | 103        |
| 175*175 | 7.5 | 11 | 40.4       | 40.4       | 400*150 | 8  | 13 | 55.2       | 55.8       | 482*300 | 11 | 15 | 111        | 115        |
| 200*100 | 5.5 | 8  | 20.9       | 21.7       | 396*199 | 7  | 11 | 56.1       | 56.7       | 488*300 | 11 | 18 | 125        | 129        |
| 200*150 | 6   | 9  | 29.9       | 31.2       | 400*200 | 8  | 13 | 65.4       | 66         | 596*199 | 10 | 15 | 92.5       | 95.1       |
| 200*200 | 8   | 12 | 49.9       | 50.5       | 390*300 | 10 | 16 | 105        | 107        | 600*200 | 11 | 17 | 103.4      | 106        |
| 200*204 | 12  | 12 | 56.2       | 56.7       | 388*42  | 15 | 15 | 140        | 141        | 606*201 | 12 | 20 | 118        | 120        |
| 248*124 | 5   | 8  | 25.1       | 25.8       | 394*398 | 11 | 18 | 147        | 147        | 582*300 | 12 | 17 | 133        | 137        |
| 244*175 | 7   | 11 | 43.6       | 44.1       | 400*400 | 13 | 21 | 172        | 172        | 588*300 | 12 | 20 | 147        | 151        |
| 250*250 | 9   | 14 | 71.8       | 72.4       | 400*408 | 21 | 21 | 197        | 197        | 594*302 | 14 | 23 | 170        | 175        |
| 250*255 | 14  | 14 | 81.6       | 82.2       | 414*405 | 18 | 28 | 232        | 233        | 692*300 | 13 | 20 | 163        | 166        |
| 298*149 | 5.5 | 8  | 32         | 32.6       | 428*407 | 20 | 35 | 283        | 284        | 700*300 | 13 | 24 | 182        | 185        |
| 300*150 | 6.5 | 9  | 36.7       | 37.3       | 450*150 | 9  | 14 | 63.9       | 65.5       | 800*300 | 14 | 26 | 207        | 210        |
| 294*200 | 8   | 12 | 55.8       | 57.3       | 446*199 | 8  | 12 | 65.1       | 66.7       | 900*300 | 16 | 28 | 240        | 243        |
| 294*302 | 12  | 12 | 83.4       | 85         |         |    |    |            |            |         |    |    |            |            |

Remark: H-waist height; B-Leg breadth; T1-waist thickness; T2-leg thickness  
W1-JIS standard weight; W2-GB standard weight



## 檩条 [Cold Formed Purline]

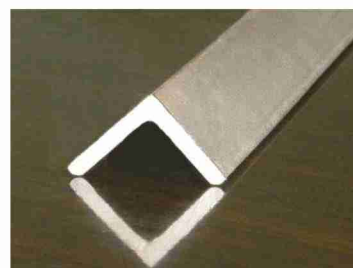
|                        |   |
|------------------------|---|
| 类型 Type                | C section ,U section, Z section                   |
| 标准 Standard            | GB-T228-2002                                      |
| 材质 Grade               | Q195, Q235, Q345, SPCC                            |
| 外形尺寸 Size              | (35-400) x (80-350) x (15-25) mm                  |
| 厚度 Thickness           | 0.3-6mm   |
| 长度 Length              | 6m, 12m, or other length as request               |
| 表面处理 Surface Treatment | Black painted, pre-galvanized, hot dip galvanized |
| 加工 Processing          | Punch hole  |





## 角钢 [Angle Bar]

| Type          | Size mm | Thickness mm |
|---------------|---------|--------------|
| Equal Angle   | 20 X 20 | 2.0-3.0      |
|               | 25 X 25 | 2.0-3.0      |
|               | 30 X 30 | 2.0-3.0      |
|               | 35 X 35 | 2.0-3.5      |
|               | 40 X 40 | 3.0-4.0      |
|               | 50 X 50 | 3.0-5.0      |
|               | 60 X 60 | 3.0-6.0      |
|               | 63 X 63 | 3.0-6.0      |
|               | 70 X 70 | 3.0-8.0      |
|               | 75 X 75 | 3.0-8.0      |
|               | 80 X 80 | 4.0-10.0     |
| Unequal Angle | 20-200  | 2.0-10       |



## Reinforcing Bar and Wire Rod 螺线

### 螺纹钢 [Reinforced Bar]

|             |   |
|-------------|---|
| 标准 Standard | GB1499.2, BS4449, ASTM A615,                                |
| 材质 Grade    | HRB335, HRB400, GRB500, HRB400E, BS460B, BS500B, GR40, GR60 |
| 直径 Diameter | 8mm to 42mm   |
| 长度 Length   | 6m, 9m, 12m or in roll                                      |



### 盘条 [Wire Rod]

|             |   |
|-------------|---|
| 标准 Standard | GB1499.2, BS4449, ASTM A615,              |
| 材质 Grade    | SAE 1006, SAE 1008, Q195, Q235, 15Mn-70Mn |
| 直径 Diameter | 5.5, 6.5, up to 20 mm                     |
| 长度 Length   | In roll                                   |

## 钢管壁厚对照表 [Normal Wall Thickness of Pipe]

| Nominal Pipe Size |        | Outside Diameter<br>D(mm) | Nominal Wall Thickness |        |       |       |       |        |      |       |       |
|-------------------|--------|---------------------------|------------------------|--------|-------|-------|-------|--------|------|-------|-------|
| DN(in)            | DN(mm) |                           | sch5s                  | sch10s | sch10 | sch20 | sch30 | sch40s | STD  | sch40 | sch60 |
| 1/8               | 6      | 10.3                      |                        | 1.24   |       |       |       | 1.73   | 1.73 | 1.73  |       |
| 1/4               | 8      | 13.7                      |                        | 1.65   |       |       |       | 2.24   | 2.24 | 2.24  |       |
| 3/8               | 10     | 17.1                      |                        | 1.65   |       |       |       | 2.31   | 2.31 | 2.31  |       |
| 1/2               | 15     | 21.3                      | 1.65                   | 2.11   |       |       |       | 2.77   | 2.77 | 2.77  |       |
| 3/4               | 20     | 26.7                      | 1.65                   | 2.11   |       |       |       | 2.87   | 2.87 | 2.87  |       |
| 1                 | 25     | 33.4                      | 1.65                   | 2.77   |       |       |       | 3.38   | 3.38 | 3.38  |       |
| 1 1/4             | 32     | 42.2                      | 1.65                   | 2.77   |       |       |       | 3.56   | 3.56 | 3.56  |       |
| 1 1/2             | 40     | 48.3                      | 1.65                   | 2.77   |       |       |       | 3.68   | 3.68 | 3.68  |       |
| 2                 | 50     | 60.3                      | 1.65                   | 2.77   |       |       |       | 3.91   | 3.91 | 3.91  |       |
| 2 1/2             | 65     | 73                        | 2.11                   | 3.05   |       |       |       | 5.16   | 5.16 | 5.16  |       |
| 3                 | 80     | 88.9                      | 2.11                   | 3.05   |       |       |       | 5.49   | 5.49 | 5.49  |       |
| 3 1/2             | 90     | 101.6                     | 2.11                   | 3.05   |       |       |       | 5.74   | 5.74 | 5.74  |       |
| 4                 | 100    | 114.3                     | 2.11                   | 3.05   |       |       |       | 6.02   | 6.02 | 6.02  |       |
| 5                 | 125    | 141.3                     | 2.77                   | 3.4    |       |       |       | 6.55   | 6.55 | 6.55  |       |
| 6                 | 150    | 168.3                     | 2.77                   | 3.4    |       |       |       | 7.11   | 7.11 | 7.11  |       |
| 8                 | 200    | 219.1                     | 2.77                   | 3.76   |       | 6.35  | 7.04  | 8.18   | 8.18 | 8.18  | 10.31 |
| 10                | 250    | 273.1                     | 3.4                    | 4.19   |       | 6.35  | 7.8   | 9.27   | 9.27 | 9.27  | 12.7  |
| 12                | 300    | 323.9                     | 3.96                   | 4.57   |       | 6.35  | 8.38  | 9.53   | 9.53 | 10.31 | 14.27 |
| 14                | 350    | 355.6                     | 3.96                   | 4.78   | 6.35  | 7.92  | 9.53  |        | 9.53 | 11.13 | 15.09 |
| 16                | 400    | 406.4                     | 4.19                   | 4.78   | 6.35  | 7.92  | 9.53  |        | 9.53 | 12.7  | 16.66 |
| 18                | 450    | 457.2                     | 4.19                   | 4.78   | 6.35  | 7.92  | 11.13 |        | 9.53 | 14.27 | 19.05 |
| 20                | 500    | 508                       | 4.78                   | 5.54   | 6.35  | 9.53  | 12.7  |        | 9.53 | 15.09 | 20.62 |
| 22                |        | 558.8                     | 4.78                   | 5.54   | 6.35  | 9.53  | 12.7  |        | 9.53 |       | 22.23 |
| 24                | 600    | 609.6                     | 5.54                   | 6.35   | 6.35  | 9.53  | 14.27 |        | 9.53 | 17.48 | 24.61 |
| 26                |        | 660.4                     |                        |        | 7.92  | 12.7  |       |        | 9.53 |       |       |
| 28                | 700    | 711.2                     |                        |        | 7.92  | 12.7  | 15.88 |        | 9.53 |       |       |
| 30                |        | 762                       | 6.35                   | 7.92   | 7.92  | 12.7  | 15.88 |        | 9.53 |       |       |
| 32                | 800    | 812.8                     |                        |        | 7.92  | 12.7  | 15.88 |        | 9.53 | 17.48 |       |
| 34                |        | 863.6                     |                        |        | 7.92  | 12.7  | 15.88 |        | 9.53 | 17.48 |       |
| 36                | 900    | 914.4                     |                        |        | 7.92  | 12.7  | 15.88 |        | 9.53 | 19.05 |       |
| 38                |        | 965.2                     |                        |        |       |       |       |        | 9.53 |       |       |
| 40                | 1000   | 1016                      |                        |        |       |       |       | 9.53   |      | 12.7  |       |
| 42                |        | 1066.8                    |                        |        |       |       |       |        | 9.53 |       |       |
| 44                | 1100   | 1117.6                    |                        |        |       |       |       |        | 9.53 |       |       |
| 46                |        | 1168.4                    |                        |        |       |       |       |        | 9.53 |       |       |
| 48                | 1200   | 1219.2                    |                        |        |       |       |       |        | 9.53 |       |       |

| Nominal Pipe Size |        | Outside Diameter<br>D(mm) | Nominal Wall Thickness |       |       |        |        |        |        |       |
|-------------------|--------|---------------------------|------------------------|-------|-------|--------|--------|--------|--------|-------|
| DN(in)            | DN(mm) |                           | sch80s                 | XS    | sch80 | sch100 | sch120 | sch140 | sch160 | XXS   |
| 1/8               | 6      | 10.3                      | 2.41                   | 2.41  | 2.41  |        |        |        |        |       |
| 1/4               | 8      | 13.7                      | 3.2                    | 3.02  | 3.02  |        |        |        |        |       |
| 3/8               | 10     | 17.1                      | 3.02                   | 3.2   | 3.2   |        |        |        |        |       |
| 1/2               | 15     | 21.3                      | 3.73                   | 3.73  | 3.73  |        |        |        | 4.78   | 7.47  |
| 3/4               | 20     | 26.7                      | 3.91                   | 3.91  | 3.91  |        |        |        | 5.56   | 7.82  |
| 1                 | 25     | 33.4                      | 4.55                   | 4.55  | 4.55  |        |        |        | 6.35   | 9.09  |
| 1 1/4             | 32     | 42.2                      | 4.85                   | 4.85  | 4.85  |        |        |        | 6.35   | 9.7   |
| 1 1/2             | 40     | 48.3                      | 5.08                   | 5.08  | 5.08  |        |        |        | 7.14   | 10.15 |
| 2                 | 50     | 60.3                      | 5.54                   | 5.54  | 5.54  |        |        |        | 8.74   | 11.07 |
| 2 1/2             | 65     | 73                        | 7.01                   | 7.01  | 7.01  |        |        |        | 9.53   | 14.02 |
| 3                 | 80     | 88.9                      | 7.62                   | 7.62  | 7.62  |        |        |        | 11.13  | 15.24 |
| 3 1/2             | 90     | 101.6                     | 8.08                   | 8.08  | 8.08  |        |        |        |        |       |
| 4                 | 100    | 114.3                     | 8.56                   | 8.56  | 8.56  |        | 11.13  |        | 13.49  | 17.12 |
| 5                 | 125    | 141.3                     | 9.53                   | 9.53  | 9.53  |        | 12.7   |        | 15.88  | 19.05 |
| 6                 | 150    | 168.3                     | 10.97                  | 10.97 | 10.97 |        | 14.27  |        | 18.26  | 21.95 |
| 8                 | 200    | 219.1                     | 12.7                   | 12.7  | 12.7  | 15.09  | 18.26  | 20.62  | 23.01  | 22.23 |
| 10                | 250    | 273.1                     | 12.7                   | 12.7  | 15.09 | 18.26  | 21.44  | 25.4   | 28.58  | 25.4  |
| 12                | 300    | 323.9                     | 12.7                   | 12.7  | 17.48 | 21.44  | 25.4   | 28.58  | 33.32  | 25.4  |
| 14                | 350    | 355.6                     |                        | 12.7  | 19.05 | 23.83  | 27.79  | 31.75  | 35.71  |       |
| 16                | 400    | 406.4                     |                        | 12.7  | 21.44 | 26.19  | 30.96  | 36.53  | 40.49  |       |
| 18                | 450    | 457.2                     |                        | 12.7  | 23.83 | 29.36  | 34.93  | 39.67  | 45.24  |       |
| 20                | 500    | 508                       |                        | 12.7  | 26.19 | 32.54  | 38.1   | 44.45  | 50.01  |       |
| 22                |        | 558.8                     |                        | 12.7  | 28.58 | 34.93  | 41.28  | 47.63  | 53.98  |       |
| 24                | 600    | 609.6                     |                        | 12.7  | 30.96 | 38.89  | 46.02  | 52.37  | 59.54  |       |
| 26                |        | 660.4                     |                        | 12.7  |       |        |        |        |        |       |
| 28                | 700    | 711.2                     |                        | 12.7  |       |        |        |        |        |       |
| 30                |        | 762                       |                        | 12.7  |       |        |        |        |        |       |
| 32                | 800    | 812.8                     |                        | 12.7  |       |        |        |        |        |       |
| 34                |        | 863.6                     |                        | 12.7  |       |        |        |        |        |       |
| 36                | 900    | 914.4                     |                        | 12.7  |       |        |        |        |        |       |
| 38                |        | 965.2                     |                        | 12.7  |       |        |        |        |        |       |
| 40                | 1000   | 1016                      |                        |       |       |        |        |        |        |       |
| 42                |        | 1066.8                    |                        | 12.7  |       |        |        |        |        |       |
| 44                | 1100   | 1117.6                    |                        | 12.7  |       |        |        |        |        |       |
| 46                |        | 1168.4                    |                        | 12.7  |       |        |        |        |        |       |
| 48                | 1200   | 1219.2                    | 12.7                   |       |       |        |        |        |        |       |



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