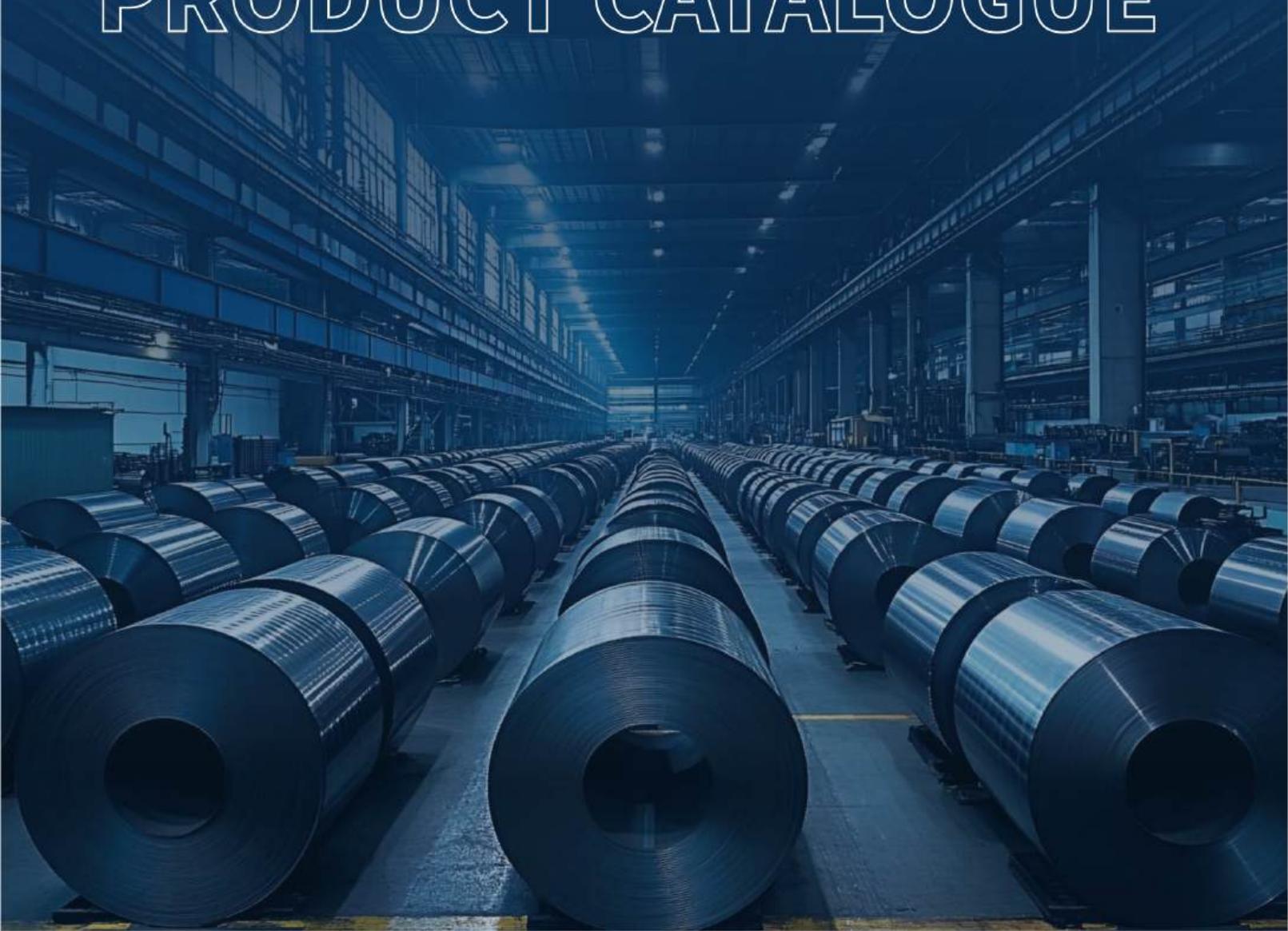




Professional Steel Supplier  
Member of EST Group

# EASTERN STEEL

## PRODUCT CATALOGUE



# Company Profile

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Eastern Steel, a core member of EST Group, is a professional steel supplier of long products, flat products, and pipes from China to global markets.

From our base in China, we source from qualified mills in accordance with GB/T, EN, ASTM, JIS and API standards and export mainly to the Middle East, Africa, Southeast Asia and Latin America. Our product range covers reinforcing steel, structural sections, galvanized, Galvalume and pre-painted coils, plates, strips, billets and pipes for construction and industrial applications.

Eastern Steel focuses on stable, long-term cooperation with Chinese mills, strict quality control and third-party inspections (SGS/BV as requested), flexible shipment from major Chinese ports, and professional service for both large projects and regular traders.

## Our Advantages



Part of EST Group – backed by a multi-product trading platform and strong mill relationships.



One-stop solution – rebar, wire rod, billets, sections, GI, PPGI, pipes from one source.



Standard compliance – products aligned with GB/T 1499.2, GB/T 706, GB/T 707, GB/T 8163, GB/T 9711, EN 10346, EN 10169, ASTM, API, and other major standards.



Flexible logistics – container, break-bulk and bulk shipments; 6-12 m lengths or coils.



International mindset – documentation and service adapted to Middle East, Africa and Europe requirements.



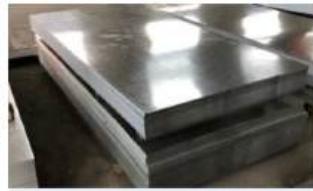
## Our Main Steel Products



Rebar  
(Reinforcing Steel Bar)



Galvanized / Galvalume  
Steel Coil (GI / GL)



Galvanized Steel  
Sheet / Plate



Galvanized Steel Strip



PPGI / PPGL  
(Prepainted Steel Coil)



Steel Pipe  
(Seamless / Welded)



Wire Rod



Steel Billet



H Beam



I Beam



C Channel Steel



U Channel Steel



Equal Angle Steel



# Rebar (Reinforcing Steel Bar)

Hot-rolled ribbed rebars for reinforced concrete, supplied according to GB/T 1499.2 and equivalent ISO and international standards (such as ASTM A615, BS 4449, EN 10080, ISO 6935-2, SI 4466 and others).

## Key Features:

High yield strength and ductility (HRB400 / HRB500 and equivalents).

Ribbed profile for superior bond with concrete.

Reliable dimensional tolerance and weight control.

## Typical Applications:

Building and infrastructure projects (slabs, beams, columns).

Bridges, tunnels, foundations and industrial facilities.

## Rebar – Typical Specifications

Nominal Diameter (mm)	Theoretical Weight (kg/m)	Typical Grade	Typical International Grades	Standards	Common Lengths (m)
8	0.395	HRB400 / HRB500	ASTM A615 Gr.40/60, B500A/B500B	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	6, 9, 12
10	0.617	HRB400 / HRB500	ASTM A615 Gr.40/60, B500A/B500B	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	6, 9, 12
12	0.888	HRB400 / HRB500	ASTM A615 Gr.40/60, B500A/B500B	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	6, 9, 12
16	1.578	HRB400 / HRB500	ASTM A615 Gr.60, B500B/C	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	6, 12
20	2.466	HRB400 / HRB500	ASTM A615 Gr.60, B500B/C	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	12
25	3.853	HRB400 / HRB500	ASTM A615 Gr.60, B500B/C	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	12
32	6.313	HRB400 / HRB500	ASTM A615 Gr.60, B500B/C	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	12
40	9.865	HRB400 / HRB500	ASTM A615 Gr.60/75, B500C	GB/T 1499.2, ASTM A615, BS 4449, EN 10080	12

# Wire Rod

Low- and medium-carbon steel wire rod supplied in coils, suitable for drawing, mesh, fasteners and other downstream products. Common grades include Q195, Q235, SAE1006, SAE1008.

## Key Features:

- Good ductility and surface quality.
- Close dimensional tolerances and homogeneous coils.
- Suitable for cold drawing and processing.

## Typical Applications:

- Wire drawing, nails, mesh, binding wire.
- Fasteners, springs, small components.



## Wire Rod – Typical Specifications

Diameter (mm)	Typical Grades	Standards	Coil Weight (t)	Typical Coil Inner Diameter (mm)	Delivery Condition
5.5	Q195, Q235, SAE1006, SAE1008	GB/T 701, SAE, IS 7904	1.8 – 2.1	≈850–910	Hot rolled in coil
6.5	Q195, Q235, SAE1006, SAE1008	GB/T 701, SAE, IS 7904	1.8 – 2.1	≈850–910	Hot rolled in coil
8	Q235, SAE1008, SAE1010	GB/T 701, SAE, IS 7904	1.8 – 2.1	≈850–910	Hot rolled in coil
10–12	Q235, SAE1008–1010	GB/T 701, SAE, IS 7904	1.8 – 2.1	≈850–910	Hot rolled in coil
Range	5.5 – 16	Low/medium carbon classes	As above	As above	As above

# Galvanized & Galvalume Steel Coil (GI/GL)

Hot-dip galvanized (GI, Z-coating) and Galvalume (GL, AZ-coating) steel coils with continuous metallic coating, produced according to EN 10346, ASTM A653 / A792 and JIS G3302 / JIS G3321, using commercial and structural grades such as DX51D, DX52D, SGCC or equivalent.

## Key Features:

- Zinc coating for long-term corrosion protection.
- Wide thickness and width range.
- Multiple spangle and surface options.
- Option of zinc (GI, Z-coating) or aluminum-zinc (Galvalume, GL, AZ-coating) according to project requirements and environment.

## Typical Applications:

- Roofing and cladding, purlins and profiles.
- Ducting, light structural components and fabrication. Galvalume (GL) is recommended for coastal and industrial environments requiring enhanced corrosion resistance.

## Galvanized Steel Coil – Typical Specifications

Thickness (mm)	Width (mm)	Z / AZ Coating (g/m <sup>2</sup> , both sides)	Base Grade	Surface / Treatment	Coil ID (mm)	Typical Coil Weight (t)	Standards
0.20 – 0.30	600 – 1,000	Z40 – Z140	DX51D, SGCC	Regular/zero spangle, oiled/dry	508 / 610	3 – 8	EN 10346, JIS G3302
0.30 – 0.80	914 – 1,250	Z60 – Z275	DX51D, DX52D, S250GD	Regular/mini spangle, skin-pass	508 / 610	3 – 10	EN 10346, ASTM A653
0.80 – 1.50	1,000 – 1,250	Z80 – Z275	S250GD – S350GD	Spangle per order, oiled/dry	508 / 610	5 – 12	EN 10346, ASTM A653
1.50 – 3.00	1,000 – 1,250	Z80 – Z275	Structural grades	Spangle per order	508 / 610	5 – 12	EN 10346, ASTM A653
0.20-3.00	600 – 1,250 (typical)	Z: 40-275 / AZ: 50-150	DX51D and higher forming grades	As ordered	508 / 610	3 – 12	EN 10346, ASTM A653 / A792, JIS G3302 / JIS G3321, EN 10143

# PPGI & PPGL Coil (Prepainted Galvanized & Galvalume Steel Coil)

Color-coated steel coils (PPGI & PPGL) with organic coatings applied on galvanized (Z) or Galvalume (AZ) substrate, produced according to EN 10169, ASTM A755 and JIS G3312 / JIS G3322. Coils are available with PE, SMP or PVDF paint systems for different durability requirements.

## Key Features:

- Attractive appearance with durable color finishes.
- Good formability and corrosion resistance.
- Multiple paint systems: PE, SMP, HDP, PVDF.
- Available on GI (Z-coating) or Galvalume (AZ-coating) substrate to match required lifetime and environment.



## Typical Applications:

- Roofing and wall cladding, sandwich panels.
- Home appliances and light industrial enclosures.

## PPGI Coil – Typical Specifications

Thickness (mm)	Width (mm)	Base Grade	Z / AZ Coating (g/m <sup>2</sup> )	Top / Back Paint (μm)	Paint Systems (Typical)	Coil ID (mm)	Coil Weight (t)	Standards
0.20 – 0.30	720 – 1,000	DX51D+Z, SGCC	Z60 – Z140	15–20 / 5–7	PE	508 / 610	3 – 5	EN 10169, JIS G3312
0.30 – 0.60	914 – 1,250	DX51D+Z, S250GD	Z70 – Z180	15–20 / 5–10	PE / SMP	508 / 610	3 – 7	EN 10169, ASTM A755
0.50 – 0.80	1,000 – 1,250	S250GD+Z – S350GD	Z100 – Z275	20–25 / 7–10	SMP / HDP	508 / 610	3 – 7	EN 10169, ASTM A755
0.60 – 0.80	1,000 – 1,250	S280GD+Z – S350GD	Z120 – Z275	25 / 7–10	PVDF (high durability)	508 / 610	3 – 7	EN 10169, ASTM A755
0.20–1.20	720 – 1,250	DX51D+Z / DX51D+AZ, SGCC / SGLCC or equivalent	Z: 60–275 / AZ: 50–150	15–25 / 5–10 (typical) or As per customer	PE, SMP, HDP, PVDF	508 / 610	3 – 5 (typical)	EN 10169, ASTM A755, JIS G3312 / G3322

# Galvanized Steel Strip (Slit GI Strip)

Narrow GI strips slit from galvanized coils, used for profiles, clamps, cable trays, small sections and pipe forming.

## Key Features:

- Customized strip width.
- Stable zinc coating for forming and welding.
- Suitable for roll-forming and pipe making.

## GI Strip – Typical Specifications

Thickness (mm)	Strip Width (mm)	Zinc Coating (g/m <sup>2</sup> )	Typical Grades	Coil ID (mm)	Typical Coil Weight (t)	Typical Applications
0.30 – 0.50	20 – 200	Z60 – Z140	DX51D, SGCC	508 / 610	2 – 8	Clips, light sections, cable supports
0.50 – 0.80	20 – 400	Z80 – Z180	DX51D, S250GD	508 / 610	2 – 10	Roll-formed profiles, studs
0.80 – 1.50	40 – 400	Z80 – Z275	S250GD – S350GD	508 / 610	3 – 10	Pipe making, structural strip
1.50 – 3.00	50 – 400	Z80 – Z275	Structural GI grades	508 / 610	3 – 10	Heavy profiles, guard rails, hardware

# Steel Billet

Continuous cast square steel billets used as feedstock for rolling rebar, wire rod, sections and other long products. Typical steel grades are Q235, Q275, 3SP, 5SP.

## Key Features:

- Stable chemistry and internal soundness for rolling.
- Square cross-section with tight dimensional tolerances.
- Suitable for long product mills (rebar, angles, channels, beams).

## Typical Applications:

- Rolling of rebar, wire rod and structural steel.
- Forging and machining of simple sections.



## Steel Billet – Typical Specifications

Section (mm)	Typical Length (m)	Typical Grades	Standards	Casting Method	Typical Use
100 × 100	6 – 12	Q235, 3SP, 5SP	GB / enterprise standards	Continuous casting	Rebar, small sections, wire rod
120 × 120	6 – 12	Q235, 3SP, 5SP, Q275	GB / enterprise standards	Continuous casting	Rebar, angles, channels
130 × 130	6 – 12	Q235, 3SP, 5SP, Q275	GB / enterprise standards	Continuous casting	Rebar, wire rod, medium sections
150 × 150	6 – 12	Q235, 3SP, 5SP, Q275	GB / enterprise standards	Continuous casting	Heavy rebar, H/I beams, channels
Range	6 – 12	Carbon steel / low alloy	GB, GOST, EN equivalents	Continuous casting	Long product rolling feedstock

# Welded Steel Pipe (ERW / SSAW / LSAW)



Electric-Resistance Welded (ERW) and Submerged Arc Welded (SSAW/LSAW) pipes for water, gas and oil transmission, manufactured under GB/T 9711, API 5L, ASTM A53.

## Welded Pipe – Typical Specifications

Type	OD (mm)	WT (mm)	Typical Length (m)	Typical Grades	Standards	Typical Applications
ERW	21.3 – 168.3	1.5 – 10	6 – 12	Q235, Q345, Gr.B	GB/T 3091, GB/T 9711, ASTM A53, API 5L	Water/gas pipelines, structural
ERW	168.3 – 660	3 – 20	6 – 12	Q235, Q345, API 5L B/X42	GB/T 9711, API 5L	Oil/gas, piling, structural
SSAW	219 – 1,420	5 – 20	6 – 18	Q235, Q345, API 5L B/X42-X70	GB/T 9711, API 5L	Long-distance oil & gas pipelines
LSAW	406 – 2,000	6 – 25	6 – 18	Q345, API 5L X42-X70	GB/T 9711, API 5L	High-pressure pipelines, large diameter

# Seamless Steel Pipe (Fluid & Structural)



Seamless pipes for fluid transport and mechanical applications according to GB/T 8163, ASTM A106, API 5L and related standards.

## Seamless Pipe – Typical Specifications

OD (mm)	WT (mm)	Typical Length (m)	Typical Grades	International Grades	Typical Use	Standards
21.3	2.0 – 4.0	6 – 12	10#, 20#	ASTM A106 Gr.B, API 5L Gr.B	Fluid transport, boiler, general use	GB/T 8163, ASTM A106, API 5L
33.7	3.0 – 6.0	6 – 12	20#, Q345B	ASTM A106 Gr.B, API 5L B/X42	Fluid and structural	GB/T 8163, API 5L
60.3	3.2 – 10	6 – 12	20#, Q345B	ASTM A106 Gr.B, API 5L B/X42	Process pipelines, machinery	GB/T 8163, API 5L
114.3	4.0 – 12	6 – 12	20#, Q345B	ASTM A106 Gr.B, API 5L B/X52	High-pressure fluid / structural	GB/T 8163, ASTM A106
168.3	5.0 – 20	6 – 12	20#, Q345B, Q390	API 5L B/X42/X52	Oil, gas, water pipelines	GB/T 8163, GB/T 9711, API 5L
Range	2 – 60 (WT range)	6 – 12	10, 20, Q345-Q460	ASTM, EN, API grades	Fluid, mechanical & structural uses	GB/T 8163, API 5L, ASTM A106

# Galvanized Steel Sheet / Plate (Cut-to-Length GI)

Flat galvanized sheets and plates cut to length from GI coils, used where fixed sizes and easy installation are required.

## Key Features:

- Uniform zinc coating and flatness.
- Trimmed edges and fixed lengths.
- Ready for installation or fabrication.

## Typical Applications:

- Roofing and wall sheets.
- Cable trays, enclosures, ducting, light fabrication.

## GI Sheet / Plate – Typical Specifications

Thickness (mm)	Width (mm)	Length (mm)	Zinc Coating (g/m <sup>2</sup> )	Typical Grades	Edge Type	Standards
0.30 – 0.50	800 – 1,000	1,800 – 3,000	Z60 – Z180	DX51D, SGCC	Mill/Trim	EN 10346, JIS G3302
0.50 – 0.80	914 – 1,250	2,000 – 3,000	Z80 – Z275	DX51D, S250GD	Trim	EN 10346, ASTM A653
0.80 – 1.50	1,000 – 1,250	2,000 – 6,000	Z80 – Z275	S250GD – S350GD	Trim	EN 10346, ASTM A653
1.50 – 3.00	1,000 – 1,500	2,000 – 6,000	Z80 – Z275	Structural GI	Trim	EN 10346, ASTM A653

# H Beam

Hot-rolled H-shaped beams with wide flanges and excellent load-bearing capacity and section efficiency, produced according to GB/T 11263 and equivalent standards.

## Key Features:

- High section modulus and bending resistance.
- Parallel wide flanges for easy connection and fabrication.
- Suitable for welded, bolted and riveted structures.



## Typical Applications:

- Multi-storey buildings, industrial plants, warehouses.
- Bridges, ports, shipbuilding, large steel structures.

## H Beam – Typical Specifications

Designation (h × b) mm	H (mm)	B (mm)	Web t_w (mm)	Flange t_f (mm)	Approx. Weight (kg/m)	Typical Grades	Standards	Common Lengths (m)
200 × 100	200	100	5.5–6	8–9	≈21–27	Q235B, Q355B, S235JR	GB/T 11263, EN 10025	6, 9, 12
250 × 125	250	125	6–7	9–10	≈29–36	Q235B, Q355B, S275JR	GB/T 11263, EN 10025	6, 9, 12
300 × 150	300	150	6.5–7.5	10–11	≈36–44	Q235B, Q355B, S355JR	GB/T 11263, EN 10025	6, 12
350 × 175	350	175	7–8	11–12	≈44–52	Q355B, S355JR	GB/T 11263, EN 10025	6, 12
400 × 200	400	200	8–9	13–14	≈56–65	Q355B, S355JR	GB/T 11263, EN 10025	6, 12
Range	100–900	100–300	As per standard	As per standard	As per standard	Q235–Q390, S235–S355	GB/T 11263, EN 10365	6–12 (plus custom)

# I Beam

Hot-rolled I-section beams according to GB/T 706 and equivalent standards, used in building and general steel structures.

## Key Features:

- Economical structural section.
- Good bending characteristics in one principal axis.
- Widely available sizes and lengths.

## Typical Applications:

- Building frameworks, crane beams, platforms.
- General engineering and fabrication.

## I Beam – Typical Specifications

Designation (h) mm	H (mm)	B (mm)	Web t_w (mm)	Flange t_f (mm)	Approx. Weight (kg/m)	Typical Grades	Standards	Common Lengths (m)
160	160	≈82	≈5	≈7	≈14	Q235B, Q355B	GB/T 706, JIS, EN	6, 9, 12
200	200	≈100	≈5.5	≈8	≈18	Q235B, Q355B	GB/T 706, JIS, EN	6, 9, 12
250	250	≈125	≈6	≈8-9	≈25-29	Q235B, Q355B	GB/T 706, JIS, EN	6, 12
300	300	≈140	≈7	≈9-10	≈32-36	Q235B, Q355B	GB/T 706, JIS, EN	6, 12
360	360	≈170	≈7.5	≈11	≈44	Q235B, Q355B	GB/T 706, JIS, EN	6, 12

# U Channel Steel (Hot-Rolled Channel)

Hot-rolled U-shaped channels produced according to GB/T 707 and equivalent JIS/EN standards.

## Key Features:

Good load-bearing for beams, frames, and stiffeners.

Robust, simple section with easy fabrication.



## Typical Applications:

Building and bridge structures.

Machinery, vehicle frames, support frames.

## U Channel – Typical Specifications

Size (h × b × t_w) mm	Height h (mm)	Flange b (mm)	Web t_w (mm)	Approx. Weight (kg/m)	Typical Grades	Standards	Common Lengths (m)
80 × 43 × 5	80	43	5	≈8–10	Q235B, Q355B	GB/T 707, JIS, EN	6, 9, 12
100 × 48 × 5.3	100	48	5.3	≈10–11	Q235B, Q355B	GB/T 707, JIS, EN	6, 9, 12
120 × 53 × 5.5	120	53	5.5	≈13–14	Q235B, Q355B	GB/T 707, JIS, EN	6, 12
140 × 58 × 6	140	58	6	≈16–17	Q235B, Q355B	GB/T 707, JIS, EN	6, 12
160 × 63 × 6.5	160	63	6.5	≈20	Q235B, Q355B	GB/T 707, JIS, EN	6, 12
Range	50–400	37–104	As standard	As standard	Q235–Q390, S235–S355	GB/T 707, EN 10025	6 – 12

# C Channel Steel (Cold-Formed C Purlin)

Cold-formed C-shaped sections used mainly as purlins and girts, formed from galvanized steel strip/coils.

## Key Features:

- Lightweight yet high strength.
- Holes and punching can be customized.
- Supplied galvanized for long service life.

## Typical Applications:

- Roof and wall purlins for industrial buildings and warehouses.
- Secondary structural members, framing, light steel structures.

## C Channel (C Purlin) – Typical Specifications

Section Code	Height <b>h</b> (mm)	Flange <b>b</b> (mm)	Lip <b>c</b> (mm)	Thickness <b>t</b> (mm)	Typical Steel Grade	Finish	Common Lengths (m)
C100	100–102	≈50–51	≈12–15	1.0 – 2.5	G300–G550, Q235, Q355	Hot-dip galvanized (GI)	6, 8, 12
C150	150–152	≈60–64	≈14–18	1.2 – 3.0	G300–G550, Q235, Q355	Hot-dip galvanized (GI)	6, 8, 12
C200	200–203	≈70–76	≈16–20	1.5 – 3.0	G300–G550, Q235, Q355	Hot-dip galvanized (GI)	6, 8, 12
C250	250	≈75–80	≈18–22	1.5 – 3.0	G300–G550, Q235, Q355	Hot-dip galvanized (GI)	6, 12
Range	100 – 300	50 – 80	10 – 25	1.0 – 3.0	G300–G550, Q235, Q355	GI / painted as required	6 – 12

# Equal Angle Steel

Hot-rolled equal angle steel as per GB/T 706 and equivalent EN/JIS standards.

## Key Features:

- Simple and versatile “L” section.
- Good resistance to bending and torsion in bracing systems.
- Wide size range for structural and fabrication use.

## Typical Applications:

- Transmission towers, steel structures, trusses.
- Frames, supports, bracing and fabrication.



## Equal Angle – Typical Specifications

Size (A × A × t) mm	Side A (mm)	Thickness t (mm)	Typical Grades	Standards	Common Lengths (m)
40 × 40 × 4	40	4	Q235B, Q355B, S235JR	GB/T 706, EN 10056	6, 9, 12
50 × 50 × 5	50	5	Q235B, Q355B, S235JR	GB/T 706, EN 10056	6, 9, 12
63 × 63 × 6	63	6	Q235B, Q355B, S275JR	GB/T 706, EN 10056	6, 12
75 × 75 × 6	75	6	Q235B, Q355B, S275JR	GB/T 706, EN 10056	6, 12
90 × 90 × 8	90	8	Q355B, S355JR	GB/T 706, EN 10056	6, 12
100 × 100 × 10	100	10	Q355B, S355JR	GB/T 706, EN 10056	6, 12
Range	20–250	3–35	Q235–Q420, S235–S355	GB/T 706, EN 10056	3 – 12

# Packing & Loading

## **Long Products (Rebar, Wire Rod, Billets, Sections):**

Rebar and sections are supplied in bundles with steel straps, typically 2–3 t per bundle. Wire rod is supplied in coils, wrapped if required, with coil weight around 1.8–2.1 t. Billets are bundled with steel strapping, suitable for bulk or break-bulk loading.

## **Coils (GI, GL, PPGI, PPGL, Strip)**

Coils are loaded eye-to-sky or eye-to-side as required, with inner diameter 508 / 610 mm and coil weight 3–12 t depending on product and size. They are protected with inner kraft paper, outer galvanized or color sheet, and steel straps.

## **Pipes:**

Pipes are bundled with steel straps, with plastic caps on ends if required, and black/oiled or coated surface as per order.





## Why Choose Eastern Steel (EST Group)



### Professional Supplier

Eastern Steel is not a mill, but a dedicated supplier, providing access to multiple mills and optimal combinations of price, quality and delivery.



### Standard-Compliant Products

All products are sourced against recognized standards such as GB/T, EN, ASTM, JIS and API, with mill test certificates (MTC) and optional third-party inspection (SGS/BV).



### Strong China Sourcing

As part of EST Group, we leverage long-term relationships with leading Chinese mills for stable supply of rebar, billets, GI / GL coils, PPGL / PPGL coils and pipes.



### Flexible Logistics & Documentation

Experience with FOB, CFR, CIF, LC and T/T, and documentation suitable for Middle East, Africa, Europe and other regions.



### Technical Support

We help customers choose the right grade, standard and specification for their projects, and can match equivalent standards (GB ↔ ASTM/EN/API).

# EASTERN STEEL

## EST Group

Business Type : Steel Supplier

Main Products :

Rebar & Wire Rod | GI / GL Coils, Sheets & Strips

PPGI & PPGL Coils | Steel Billets

Seamless & Welded Steel Pipes | H / I Beams

Channel Steel | Equal Angle Steel



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