

Metal-Asia

COMMERCIAL PROPOSAL

Steel Wire & Wire Rod Supply for Welded Reinforcement Mesh Production

Supplier: [Metal-Asia.pw](#) — Global Industrial Procurement & Supply Chain Solutions

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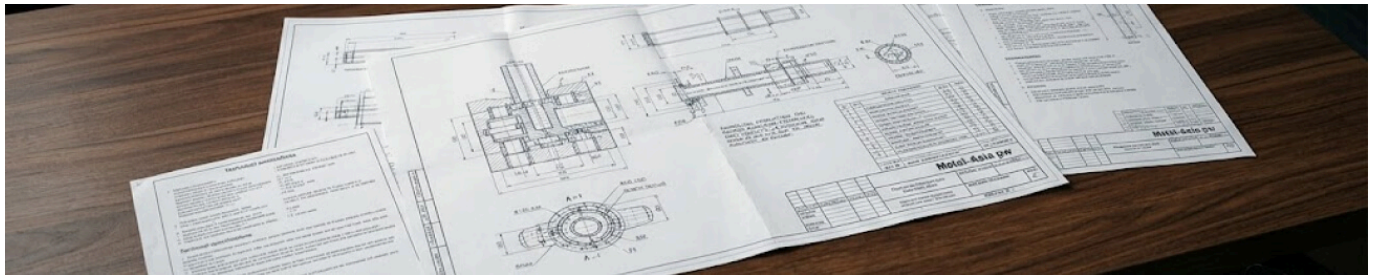
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Segment: Metal Products, Raw Materials for Construction, B2B

Target Markets: Europe, North America, Middle East, Africa, Southeast Asia, Latin America

Introduction

Reinforcement mesh production requires consistent supply of quality raw materials. We offer a comprehensive range of steel wire and wire rod from verified metallurgical mills. Products comply with international industry standards, accompanied by full documentation for customs clearance. Delivery is in coils, bundles, and reels with various surface finishes: deformed (VR-1, VR-2), smooth (OK), and galvanized. Minimum shipment quantity is 20 metric tons. Regular monthly deliveries under long-term contracts with quarterly or annual price fixation are available.



Supply requirements and conditions for reinforcement mesh production wire

Customer Pain Points & Our Solutions

Challenge	Impact	Solution
Inconsistent wire quality	Mesh defects, weld breaks	Engineering audit with chemical analysis
Customs clearance difficulties	Delays, extra costs	Customs & logistics turnkey
Incomplete or wrong diameter delivery	Production stoppage	Pre-shipment inspection with diameter measurement
Missing certificates	Customer rejection	Full international standards documentation

Challenge	Impact	Solution
Irregular deliveries	Overstocking or downtime	Long-term contracts with delivery schedule
Language barrier	Specification errors	English-speaking manager
Payment security	Financial loss risk	Escrow payment protection

Product Catalog

VR-1 Deformed (Ribbed) Reinforcement Wire

Diameter, mm	Rib Depth (h), mm	Rib Pitch (s), mm	Tensile Force, kgf (min)	Elongation, % (min)	Linear Weight, kg/m	Coil Weight, kg
3.0	0.15	2.00	400	2.0	0.052	800–1,100
4.0	0.20	2.50	720	2.5	0.092	800–1,100
5.0	0.25	3.00	1,085	3.0	0.144	800–1,100

Material: Low-carbon steel

Profile: Deformed, periodic ribs

Delivery: Coils 800–1,100 kg

HS Code: 7217.10.31

VR-2 High-Strength Deformed Wire

Diameter, mm	Rib Depth (h), mm	Rib Pitch (s), mm	Tensile Force, kgf (min)	Elongation, % (min)	Bundle Weight, kg
3.0	0.15	2.00	500	2.0	30–1,500
4.0	0.20	2.50	850	2.5	30–1,500
5.0	0.25	3.00	1,250	3.0	30–1,500
6.0	0.30	3.50	1,700	3.5	30–1,500
7.0	0.35	4.00	2,200	4.0	30–1,500
8.0	0.40	4.50	2,800	4.5	30–1,500

Material: Low-carbon steel

Profile: Deformed, periodic ribs

Delivery: Bundles 30–1,500 kg

HS Code: 7217.10.31

Steel Wire Rod

Diameter, mm	Weight per meter, kg	Meters per ton	Coil Weight, tons	External Coil Diameter, mm
5.0	0.154	6,494	1.0–1.8	1,000–1,200
5.5	0.187	5,348	1.0–1.8	1,000–1,200
6.0	0.222	4,505	1.0–1.8	1,000–1,200
6.5	0.260	3,846	1.0–1.8	1,000–1,200
7.0	0.302	3,311	1.0–1.8	1,000–1,200
8.0	0.395	2,532	1.0–1.8	1,000–1,200
9.0	0.499	2,004	1.0–1.8	1,000–1,200
10.0	0.617	1,621	1.0–1.8	1,000–1,200

Steel Grades: Structural grades 1, 2, 3

Delivery: Coils (bundles) 1.0–1.8 tons

HS Code: 7213.91.10

OK General Purpose (Binding) Wire

Diameter, mm	Type	Steel Grade	Bundle Weight, kg	External Diameter, mm
0.16–10.0	Uncoated (bright/black)	Low-carbon	20–1,500	800–900
0.20–6.0	Galvanized Class 1 (heavy)	Low-carbon	20–1,500	800–900
0.20–6.0	Galvanized Class 2 (light)	Low-carbon	20–1,500	800–900

Types: Heat-treated (annealed), non-heat-treated

HS Code: 7217.10.39 (uncoated), 7217.20.30 (galvanized)

Linear Weight Reference Table

Diameter, mm	Cross-section, mm ²	Weight per meter, kg	Meters per ton
1.0	0.785	0.00617	162,338
1.6	2.011	0.0158	63,291
2.0	3.142	0.0247	40,486
2.5	4.909	0.0385	25,974
3.0	7.069	0.0555	18,018

Diameter, mm	Cross-section, mm ²	Weight per meter, kg	Meters per ton
4.0	12.566	0.0986	10,142
5.0	19.635	0.154	6,494
5.5	23.758	0.187	5,348
6.0	28.274	0.222	4,505
6.5	33.183	0.260	3,846
7.0	38.485	0.302	3,311
8.0	50.265	0.395	2,532
9.0	63.617	0.499	2,004
10.0	78.540	0.617	1,621

Packaging & Dimensions

VR-1, VR-2 Wire

Parameter	Value
Form	Coil / bundle
VR-1 coil weight	800–1,100 kg
VR-2 bundle weight	30–1,500 kg
External coil diameter	900–1,100 mm
Internal diameter	450–550 mm
Coil width	500–700 mm
Unit volume	~0.7–0.9 m ³
Securing	Steel strapping

Wire Rod

Parameter	Value
Form	Coil (bundle)
Coil weight	1.0–1.8 tons
External diameter	1,000–1,200 mm
Internal diameter	≥450 mm
Coil width	500–800 mm
Unit volume	~0.8–1.2 m ³

HS Codes & Customs Classification

Product	HS Code	Description	Duty Rate
Steel wire rod	7213.91.10	Coils, <0.25% C	5%
VR-1, VR-2 deformed wire	7217.10.31	With indentations, ribs	5%
OK smooth wire	7217.10.39	Uncoated, ≥0.8 mm	5%
Galvanized wire	7217.20.30	Zinc-coated, ≥0.8 mm	5%
Welded reinforcement mesh (finished)	7314.20.10	From deformed wire	10%
Welded masonry mesh	7314.20.90	From smooth wire	10%

Coil Marking

Each coil/bundle bears:

- Wire designation
- Standard reference
- Steel grade and heat number
- Wire diameter
- Coil/bundle weight
- Manufacturer's mark
- Date of manufacture

Services

Engineering Audit — Chemical composition verification, mechanical testing, ultrasonic inspection (UT).

China Sourcing — Full cycle from mill to your facility.

Customs & Logistics — Full customs clearance.

Comprehensive Procurement — Steel grade selection for your application.

Integrated Systems — Turnkey line equipment supply.

Tender Support — [Government procurement](#) bids.

Quality Control — NDT, UT, chemical analysis.

Metal-Asia.pw vs. Direct Suppliers

Criterion	Direct Order	Metal-Asia.pw
Quality check	Not possible	On-site inspection, UT, chemical analysis
Documentation	Partial	Full standards package
Customs	Self-managed	Full service

Criterion	Direct Order	Metal-Asia.pw
Logistics	Self-managed	Arranged
Warranty	Hard to enforce	International law contract

Delivery Terms

Parameter	Terms
Minimum order	20 metric tons
Incoterms	FCA/FOB/CIP/DDP
Transport	Road, rail, sea
Lead time	30–60 days
Packaging	Steel strapping, in coils
Guarantee	Quality certificate per standards

Gallery



Mesh production line and rebar mesh bending equipment

FAQ

Q1: What is the minimum order volume?

Minimum shipment is 20 metric tons of one diameter. Mixed batches of several diameters are possible at total weight of minimum 20 tons. Volume discounts apply for orders from 100 tons/month.

Q2: How is product quality verified?

Each batch includes a mill test certificate with chemical composition and mechanical test results. Independent verification available upon request: ultrasonic testing (UT), diameter measurement, tensile and yield strength verification.

Q3: Are long-term contracts available?

Yes. We offer annual and quarterly contracts with fixed pricing or index-linked pricing. Delivery schedules are customized: from monthly to weekly shipments.

Q4: What is the delivery lead time?

For stocked products: 15–25 days. For made-to-order: 30–60 days depending on volume and diameter. Exact timing is specified in the supply contract.

Q5: What documentation is provided?

Complete package: contract, commercial invoice, packing list, mill test certificate (MTC), certificate of origin, conformity certificate, customs declaration (if required).

Q6: What are payment terms?

Standard: 30% advance + 70% before shipment. For regular clients: payment deferral up to 30 days. Large contracts can be arranged via letter of credit.

Q7: Is delivery to our warehouse available?

Yes. We arrange delivery by road, rail, or sea. Incoterms CIP/DDP per agreement.

Q8: What is the procedure for quality claims?

Claims accepted within 30 days of receipt. If defect is confirmed as manufacturer's fault: product replacement or refund at supplier's expense.

Contact

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Comprehensive global supply of VR-1 deformed wire and steel wire rod from China