CATALOGUE
STEEL FOR THE REINFORCEMENT OF CONCRETE

Profile of Manufacturer

The company has a 1.50 MTPA State-Of-Art Integrated Steel manufacturing facility to include Pellet, Sinter, Pig iron, Sponge Iron, Ductile Iron Pipe, Billet, TMT (Rebar), Wire Rod and Ferro Alloys with their own 120 MW of Captive Power Generation Plant

The company is certified ISO 9001:2008 and environmental certification OHSAS18001, ISO 14001:2004.

Readiness to Supply Rebars for Construction

The company is ready to supply as per the following requirements of the buyer:

Product Description & HS Code: Rebar Steel 7214.20

Technical specification : Compliant with Standard 4466 Part 3

Annual Quantity : Between 100,000 to 400,000 tons.

Delivery: Price indication FOB with Freight as per Charter Party.

Payment Terms: Letter of Credit (LC) or Standby Letter of Credit (SBLC) from Prime Bank / confirmed by any bank in India

Role of Global Business Inc

Global Business Inc (GBI) are merchant traders with business relationships with major steel manufacturers. GBI will be able to step in to close gaps between buyer and seller with a fiduciary responsibility to both parties. Once there is a mutual understanding between the parties, Global Business Inc will enable both parties to conclude agreements for buy sell.

More details about the Product

No 12 Balaji Layout, Marathahalli, Bengaluru 560037 India Contact: 973 908 7576 , 973 152 7576

STEEL FOR THE REINFORCEMENT OF CONCRETE

RIBBED BARS GRADE S500W

1. DESCRIPTION

Weldable ribbed micro alloyed steel wire in wound layer COILS for concrete reinforcement according to standards, ductility C in the range of diameters 10-20mm. Manufacturing process: hot rolling and heat treatment (soft quenching).

2. CHEMICAL COMPOSITION ON PRODUCT

	Limits	C % max	P % max	S % max	P+S % max	Si % max	Mn % max	(V+Nb)/ V/Nb % min	Ceq % max
SI 4466 – S500W	Max	0.24	0.050	0.050	0.080	0.55	1.80	0.02	0.55

NOTE: C max 0.25% is permitted, provided that Ceq max is 0.48%;
In brackets chemical composition on product.

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Standard	Steel grade	Diameter Range mm	ReH min N/mm^2	Rm/Re min N/mm^2	Rm/Re max N/mm^2	Agt min %	A10 Min %	Bend α, β, κ
SI 4466	S500W Ductility C	10 to 20	500 to 650	1,15	1,35	7,5	11	note

NOTE:

- Test on sample straight by laboratory machine after artificial ageing;
- Maximum permissible deviations from nominal of the actual average weight per unit length: +4.5/-2.5% for 8-10mm, +3.5/-2.5% from 12mm; single bar +6/-4%;
- Bend test: D mandrel = 3d for Ø ≤ 16 mm; D mandrel = 6d for Ø 18-20 mm; bend angle α between 160 and 180°;
- Rebend test: D mandrel = 5d for Ø ≤ 16 mm; D mandrel = 8d for Ø 18-20 mm; bend angle α = 90° and bend back angle β = 20° after ageing 100°C/30';

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4. STANDARD PACKAGING AND DIMENSIONS

In coils of standard weight 2.4t and 4.8 t. Internal diameter 700 mm, height 900mm, max width 1050 mm (2.4 t) and 1320 mm (4.8 t). Tied with 4 metallic strips.

5. STANDARD IDENTIFICATION

Each coil with diameter painted on the surface and label reporting:

<MANUFACTURER>
<PRODUCT NAME>
HEAT N°
WEIGHT t
DIAMETER mm
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

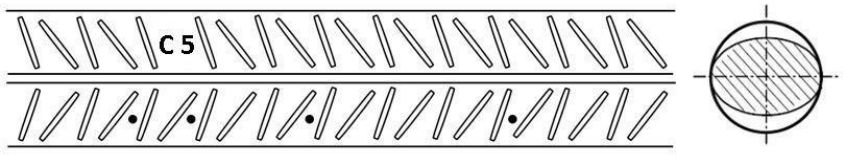
On demand test certificate 3.1 according to EN 10204 / equivalent..

7. APPROVALS

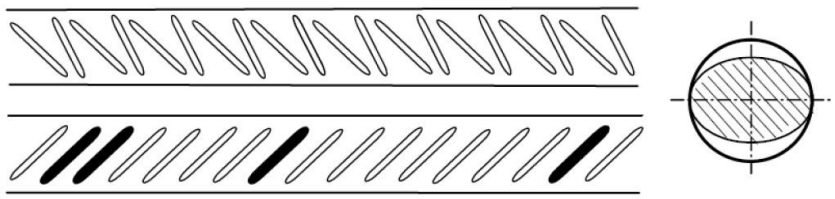
Manufacturer shall provide three (3) bars of each diameter that the buyer is desirous to import, each 2 meters long for preliminary tests at your country's Standards Institution. samples and Material Safety Data Sheet with detailed information about the product chemical and physical properties, as well as its potential hazards. The Buyer shall submit the samples for product for testing, certification and obtaining License for import.

8. STANDARD IDENTIFICATION

Mark 4+7
Ø10-16mm



Ø18-20mm



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RIBBED BARS GRADE S400W

1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, steel grade S400W, according to SI 4466 part 3.

2. CHEMICAL COMPOSITION OF PRODUCT

	Limits	%	P %	S %	P+S %	Si %	Mn %	Ceq %
SI 4466	max	0.24	0.050	0.050	0.080	0.55	1.80	0.55

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter range mm	Weight tol. %	Yield S. fy N/mm^2	ft/fy min	Agt min %	A10 min %	Bend test
SI 4466	S400W	8	Note	400-520	1.25	8	12	note

NOTE:

- Test on sample straight by laboratory machine (no artificial ageing);
- Maximum permissible deviations from nominal of the actual average weight per unit length: +4.5/-2.5% for 8-10mm; single bar +6/-4%;
- Bend test: D mandrel =3d for Ø≤16mm; bend angle α between 160° and 180°;
- Rebend test: D mandrel =5d for Ø≤16mm; bend angle α=90° and bend back angle β=20° after ageing 100°C/30'.

4. STANDARD PACKAGING

Coils of std weight 2.4 t and 4.8 t. Height = 700 - 900 mm, internal diameter

= 700 mm. Tied with 4 metallic strips.

5. STANDARD IDENTIFICATION

Each coil with diameter painted on the surface and label reporting:

<Manufacturer Name>
<Brand Name>
DATE OF PRODUCTION
HEAT N°
DIAMETER MM
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

No 12 Balaji Layout, Marathahalli, Bengaluru 560037 India Contact: 973 908 7576 , 973 152 7576

6. STANDARD CERTIFICATION

On demand Certificate 3.1 according to EN 10204 / Equivalent.

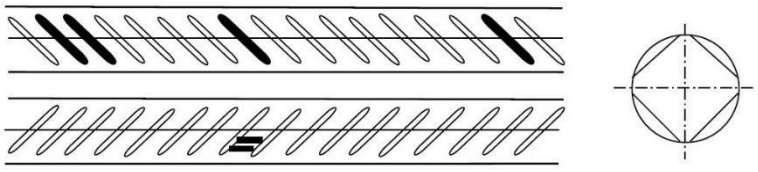
7. APPROVALS

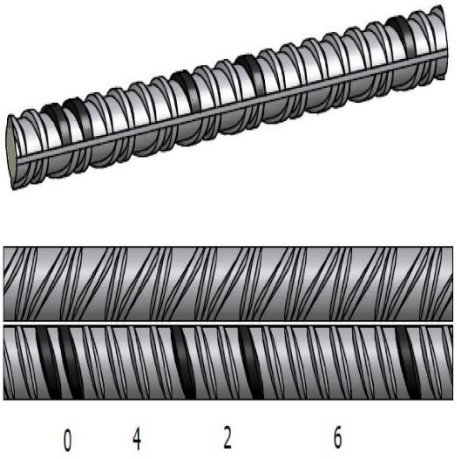
Manufacturer shall provide three samples and Material Safety Data Sheet (MSDS) with detailed information about the product chemical and physical properties, as well as its potential hazards to the buyer.

Buyer shall submit three samples of the product for certification and approval to the **Standards Institution** for testing and obtaining License for import.

8. IDENTIFICATION MARK

Mark 4-7=





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