

## 1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, diameter 8-12mm, steel grade B500B, according to DIN488 standard.

## 2. HEAT CHEMICAL COMPOSITION

|         | Limits | C %  | P %   | S %   | Cu % | N %   | Ceq % |
|---------|--------|------|-------|-------|------|-------|-------|
| ADV     | max    | 0.22 | 0.050 | 0.050 | 0.60 | 0.012 | 0.50  |
| DIN 488 | max    | 0.22 | 0.050 | 0.050 | 0.60 | 0.012 | 0.50  |

## 3. MECHANICAL AND DIMENSIONAL PROPERTIES

| Standard | Steel Grade | Diameter mm | Weight tol. % | Re min MPa | Re max MPa | Rm/Re min | Agt min % | Prova piega |
|----------|-------------|-------------|---------------|------------|------------|-----------|-----------|-------------|
| ADV      | B500B       | 8 ÷ 12      | ± 4           | 500c       | 650c       | 1.08c     | 5.0c      | note 2.     |
| DIN 488  | B500B       | 6 ÷ 16      | -4 ÷ +6       | 500c       | 650c       | 1.08c     | 5.0c      | note 2.     |

### NOTES:

- test on sample straight by laboratory machine and aged 100°C/1h
- bending: diameter of the mandrel  $D = k \cdot d$ , bending angle 90°, re-bending angle 20° after aging 100°C/1h

## 4. STANDARD PACKAGING

- Coils weight 2.5 t, height = 700 mm, int. diameter = 700mm, ext. diameter = approx. 1130 mm, tied with 4 single or double strips according to the diameter. Regular winding.
- Coils weight 5.0 t, height = 900 mm, int. diameter = 700mm, ext. diameter = approx. 1300 mm, tied with 4 double strips. Regular winding.

## 5. STANDARD IDENTIFICATION

Each coil must be identified by a label reporting:

**ACCIAIERIE DI VERONA S.p.A.**  
**HEAT**  
**QUALITY**  
**NOMINAL DIAMETER mm**  
**NOMINAL WEIGHT kg**  
**REF. STANDARD**  
**PRODUCT CERTIFICATION LOGOS**

## 6. STANDARD CERTIFICATION

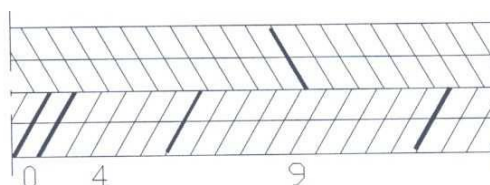
On demand document according to EN10204.

## 7. APPROVALS

PRÜFSTELLE FÜR BETONSTAHL (Germany).

## 8. IDENTIFICATION MARK

Mark 4-9



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