

1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, diameter 8-16mm, steel grade B500B, according to NBN A 24-302.

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
NBN A 24-302	max	0.22	0.050	0.050	-	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 %	Bend
ADV	B500B	8 ÷ 16	± 4	500c	650c	1.08c	5.0c	note 2.
NBN A 24-302	B500B	8 ÷ 12	± 10	500c	-	1.08	5.0c	note 2.
		14 ÷ 16	± 6					

NOTES:

- test on sample straight by laboratory machine and aged 100°C/1h
- bending: diameter of the mandrel $D=k*d$, 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

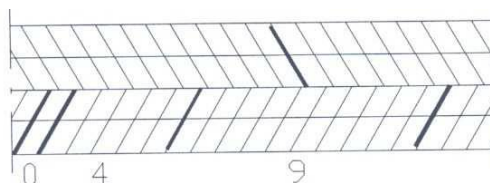
On demand document according EN10204.

7. APPROVALS

OCAB-OCBS (BENOR-43).

8. IDENTIFICATION MARK

Mark 4-9



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