

1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, according to NBN A 24-302 grade BE500TS.

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	N %	Ceq %
NBN A 24-302	max	0.22	0.050	0.050	0.012	0.50

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Standard	Steel Grade	Diameter range mm	Weight tol. %	Re min MPa	Rm min MPa	Rm/Re Min	Agt min %	Bend
NBN A 24-302	BE500TS	8 ÷ 12	± 10	500c	550c	1.08c	5.0c	note
		14 ÷ 16	± 6					

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 30° after aging 100°C/1h
- specific rib area: $f_R \geq 0.052$ for diameter 8mm, $f_R \geq 0.060$ for diameter 10mm, $f_R \geq 0.065$ for diameter 12mm

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.
- Coils weight 5.0 t, height = 900 mm, int. diameter = 700mm, ext. diameter = approx. 1300 mm, tied with 4 double strips.

5. STANDARD IDENTIFICATION

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

PITTINI
ACCIAIERIE DI VERONA S.p.A.
JUMBO STRETCHED BE500TS
DIAMETER mm
HEAT N°
NOMINAL WEIGHT kg
PACKAGING
DATE OF PRODUCTION
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

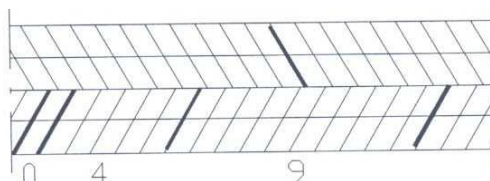
On demand certificate 3.1 according EN10204.

7. APPROVALS

OCAB-OCBS (BENOR-43).

8. IDENTIFICATION MARK

Mark 4-9



Acciaierie di Verona S.p.A.

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