

1. DESCRIPTION

Weldable hot rolled and stretched steel wire in coils for reinforcing of concrete, grade B500C named JUMBO STRETCHED, according to ELOT 1421 (Hellenic market), BDS 9252 (Bulgarian market) and AT 016-01/448-2021 (Romanian market).

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
ELOT 1421 BDS 9252 AT 016-01/448	max	0.22 (0.24)	0.050 (0.055)	0.050 (0.055)	0.80 (0.85)	0.012 (0.014)	0.50 (0.52)

Note: the values in the brackets refer to product analysis

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diam. Range mm	Weigh t tol. %	Yield S. fy min N/mm ²	Tensile S. ft min N/mm ²	ft/fy min	ft/fy max	fy/fy _{nom} max N/mm ²	Agt min %	A5 min	Bend test
ELOT 1421	B500C	8	± 6	500c	-	1.15c	1.35c	1.25c	7.5c	-	note
BDS 9252	B500C	8	± 6	500c	575c	1.15c	1.35c	1.25c	7.5c	-	note
AT 016-01/448	B500C	8	± 6	500c	-	1.15c	1.35c	1.30c	7.5c	16	note

NOTE: c – characteristic values; test after ageing 100^o/1h

f_R min 0.040 for BDS 9252; f_R min 0.045 for ELOT 1421 and AT 016-01/448

Bending for diameter 8mm: bending angle 180°, diameter of the mandrel 3d;

Bending-unbending for diameter 8mm: for ELOT and AT bending angle 90°, unbending angle min 20°, diameter of the mandrel 5d; for BDS bending angle 90°, unbending angle min 20°, diameter of the mandrel 4d.

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 identified by painting the diameter and a label reporting:

PITTINI
JUMBO STRETCHED B500C
DATE OF PRODUCTION
HEAT N°
WEIGHT t
DIAMETER mm
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand Certificate 3.1 according to EN 10204.

7. APPROVALS

TÜV AUSTRIA HELLAS (Greece); NISI (Bulgaria); Permanent Technical Council of Construction (Romania).

8. IDENTIFICATION MARK

Mark 4-7

