PITTINI
SGQ
FERRIERE NORD

TECHNICAL SPECIFICATION COILS JUMBO STRETCHED B500C BULGARIAN, GREEK, HUNGARIAN AND ROMANIAN MARKET	Document Revision Date Page	SPF515 3 20/01/2026 1/1

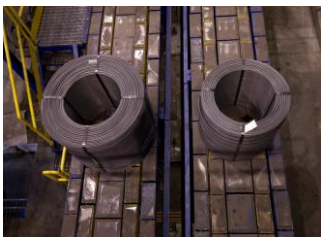
1. DESCRIPTION

Weldable hot rolled and stretched steel wire in coils for reinforcing of concrete, grade B500C named JUMBO STRETCHED, according to BDS 9252 (Bulgarian market), ELOT 1421 (Greek market), A-90/2017 (Hungarian market) and AT 016-01/520-2023 (Romanian market).

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
BDS 9252; ELOT 1421; A-90/2017; AT 016-01/520-2023	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
BDS 9252	B500C	8	± 6	500c	575c	1.15c	1.35c	1.25c	7.5c	-	note
ELOT 1421	B500C	8	± 6	500c	-	1.15c	1.35c	1.25c	7.5c	-	note
A-90/2017	B500C	8	± 6	500c	-	1.15c	1.35c	1.30c	7.5c	18	note
AT 016-01/520-2023	B500C	8	± 6	500c	-	1.15c	1.35c	1.30c	7.5c	16	note

NOTE: c – characteristic values; test after ageing 100°/1h
f_R min 0.040 for BDS 9252 and A-90/2017; f_R min 0.045 for ELOT 1421 and AT 016-01/520-2023
Bending for diameter 8mm: bending angle 180°, diameter of the mandrel 3d;
Bending-unbending for diameter 8mm: for ELOT, AT and A-90/2017 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
HEAT N°
WEIGHT
DIAMETER
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

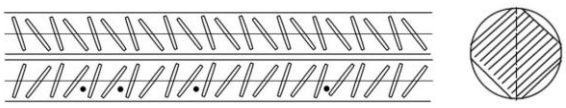
On demand Certificate 3.1 according to EN 10204. Where relevant Declaration of Conformity or Declaration of Performance.

7. APPROVALS

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

8. IDENTIFICATION MARK

Mark 4-7



Ferriere Nord S.p.A.
Zona Industriale Rivoli
33010 Osoppo (UD)
Tel.: +39 0432 062811
Fax.: +39 0432 062822
www.pittini.it