

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to ST009:2011 (Romanian market) and БТО -18.1/04.02.2019 (Bulgarian market), steel grade 500, ductility class C, named PITTINI B500 JUMBO HD.

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
PITTINI	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)
ST009	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)
БТО - 18.1/04.02.2019	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

*is permitted C max 0.25% if Ceq max 0.48%

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter range mm	Weight toll. %	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 %	Bend test
PITTINI	B500C	8 ÷ 16	Note	500c	575c	1.15c	1.35c	1.25c	7.5c	note
ST009	B500C	8 ÷ 16	Note	500c	-	1.15c	1.35c	1.30c	7.5c	note
БТО - 18.1/04.02.2019	B500C	8 ÷ 16	Note	500c	575c	1.15c	1.35c	1.25c	7.5c	note

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

weight tolerance: ± 6 for 8mm, ± 4.5 from 10mm up to 16mm,

Bending and re-bending: according to ST009 and БТО -18.1/04.02.2019.

Rib geometry parameters and specific rib area: according to ST009 and БТО -18.1/04.02.2019

4. STANDARD PACKAGING

Coils of std weight 2.4 t and 4.8 t. Height = 900 mm, internal diameter = 700 mm, max width 1050 mm (2.4 t) and 1320 mm (4.8 t). Tied with 4 metallic strips.

5. STANDARD IDENTIFICATION

Each coil identified by label reporting: manufacturer, grade, heat number, diameter, nominal weight, standard references, date of rolling.

6. STANDARD CERTIFICATION

On demand Inspection Certificate according to EN 10204 3.1.

7. APPROVALS

ICECON (Romania) and NISI (Bulgaria)

8. IDENTIFICATION MARKS

Mark 4-7

