

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to ST009:2011, 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)

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 TOLLERANCES

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	550c	1.15c	1.35c	1.30c	7.5c	note
ST009	B500C	8 ÷ 16	Note	500c	-	1.15c	1.35c	1.30c	7.5c	note

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

ST009 weight tolerance: ± 6 for 8mm, ± 4.5 from 10mm up to 16mm,

Bending: according to ST009. Bending angle 180°, diameter of the mandrel 3d for d ≤ 16mm.

Bending-unbending: according to ST009. Bending angle 90°, unbending angle 20°, diameter of the mandrel 5d for d ≤ 16mm

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 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)

8. IDENTIFICATION MARK

Mark 4-7

