

## 1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to ST009 (Romania), BDS 9252 (Bulgaria), ELOT 1421 (Greece) steel grade 500, ductility class C, named JUMBO SPOOLED.

## 2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
PITTINI and ST009 and BDS 9252 and ELOT 1421	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. Re min MPa	Yield S. Re max MPa	Rm/Re min	Rm/Re max	Agt min %	Bend test
PITTINI	B500C	10 ÷ 16	± 4.5	500c	650	1.15c	1.35c	7.5c	note
ST 009	B500C	10 ÷ 16	± 4.5	500c	650	1.15c	1.35c	7.5c	note
BDS9252	B500C	10 ÷ 16	± 4.5	500c	650	1.15c	1.35c	7.5c	note
ELOT1421	B500C	10 ÷ 16	± 4.5	500c	650	1.15c	1.35c	7.5c	note

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

$f_R$  values and bending-unbending according to ST 009, BDS 9252, ELOT 1421

## 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

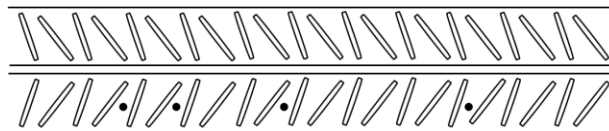
Each coil identified by label reporting: manufacturer, grade, heat number, diameter, nominal weight, standard references, date of rolling.

## 6. STANDARD CERTIFICATION

On demand Inspection Certificate according to EN 10204 3.1.

## 7. IDENTIFICATION MARK

Mark 4-7



and

