

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to ST009:2011 (Romania) and БТО -18.1/04.02.2019 (Bulgaria), steel grade 500, ductility class C, named JUMBO SPOOLED.

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
AT 016-01/448-2021	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)

NOTES: 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
AT 016-01/448	B500C	10 ÷ 16	± 4.5	500c	-	1.15c	1.35c	1.30c	7.5c	note
БТО-18.1/04.02.2019	B500C	10 ÷ 16	± 4.5	500c	575c	1.15c	1.35c	1.25c	7.5c	note

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

Bending and re-bending: according to AT and БТО -18.1/04.02.2019;

Rib geometry parameters and specific rib area: according to AT and БТО.

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 diameter painted on the surface and label reporting:

PITTINI
JUMBO SPOOLED
HEAT N°
WEIGHT t
DIAMETER mm
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand Inspection Certificate 3.1 according to EN 10204.

7. APPROVALS

Permanent Technical Council of Construction (Romania), NISI (Bulgaria).

8. IDENTIFICATION MARKS

Mark 4-7

