

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to BS 4449, steel grade 500, ductility class C, named JUMBO SPOOLED.

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)	0.60 (0.65)	0.012 (0.014)	0.50 (0.52)
BS 4449	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. Re min MPa	Yield S. Re max MPa	Rm/Re min	Rm/Re max	Agt min %	Bend test
PITTINI	B500C	10 ÷ 16	Note	500c	650	1.15c	1.35c	7.5c	note
BS 4449	B500C	8 ÷ 40	Note	500c	650	1.15c	1.35c	7.5c	note

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

BS 4449 deviation from nominal mass: ± 4.5 for the range 10 ÷ 16mm,

Bending-unbending: according to BS 4449. Bending angle 90°, unbending angle 20°, diameter of the mandrel 4d for d ≤ 16mm and 7d for d > 16mm.

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. APPROVAL

UK CARES

8. IDENTIFICATION MARK

Mark 4-7

