

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement according to D.M. 17.01.2018 grade B450C named JUMBO SPOOLED.

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
D.M. 17.01.2018	max	0.22	0.050	0.050	0.80	0.012	0.50

NOTES: C max 0.25% is permitted if Ceq max is 0.48%.

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter range mm	Weight toll. %	Yield S. fy min N/mm ²	Yield S. fy max N/mm ²	Tensile S. ft min N/mm ²	ft/fy min	ft/fy max	Agt min %	Bend test
D.M. 2018	B450C	10 ÷ 16	± 4,5	450c	563c	540c	1.15c	1.35c	7.5c	note

NOTES:

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

D.M. *Bend test*: D mandrel = k*d; bend with $\alpha=90^\circ$ and rebend with $\beta=20^\circ$ after ageing; for $d \leq 10$ k=4; for $d=12 \div 16$ mm, k=5.

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 the 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

Copy of the "Attestato di Qualificazione del Servizio Tecnico Centrale" (Italian market only). Certificate type 3.1 according to EN10204.

7. APPROVALS

Servizio Tecnico Centrale (Ministero Infrastrutture e Trasporti).

8. IDENTIFICATION MARK

Mark 4-7

