

1. DESCRIPTION

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

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
PITTINI	max	0.22	0.050	0.050	0.80	0.012	0.50
D. M. 2018	max	0.22	0.050	0.050	0.80	0.012	0.50

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

3. MECHANICAL PROPERTIES AND DIMENSION TOLLERANCES

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
PITTINI	B450C	10 ÷ 20	± 4,5	450c	563c	540c	1.15c	1.35c	7.5c	note
D. M. 2018	B450C	6 ÷ 16	± 4,5	450c	563c	540c	1.15c	1.35c	7.5c	note

NOTE:

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

D.M. Bend test: D mandrel = k*d; bend with α=90° and rebend with β=20° after ageing; for d≤10 k=4; for d=12÷16mm, 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 label reporting:

FERRIERE NORD S.p.A.
I - 33010 OSOPPO (UD) ITALIA
JUMBO PITTINI HD B450C
D.M. 17/01/2018 B450C
COLATA nr
DIAMETRO mm
PESO t

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

Ministero Infrastrutture e Trasporti

8. IDENTIFICATION MARK

Mark 4-7

