

1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, steel grade B500B named JUMBO STRETCHED, in accordance with SIA 262 B500B (Switzerland) and DIN 488 (Germany).

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	Cu %	N %	Ceq %
DIN 488	max	0.22	0.050	0.050	0.60	0.012	0.50
SIA 262	max	0.22	0.050	0.050	0.80	0.012	0.50

* C max 0.25% is permitted, provided that Ceq max is 0.48%.

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Standard	Steel grade	Diameter range mm	Weight tol. %	Re min MPa	Re max MPa	Rm min MPa	Rm/Re min	Rm/Re max	Agt min %	A5 min
SIA 262	B500B	8	± 6	500c	650c	-	1.08c	-	5c	-
DIN 488	B500B	8 ÷ 12	-4 / +6	500c	650c	-	1.08c	-	5c	-

NOTES:

- test on sample straight by laboratory machine and aged 100°C/1h.
- fR values and rib geometry parameters according to the relevant standards; for Germany fR ≥ 0.052 for diameter 8mm, fR ≥ 0.060 for diameter 10mm, fR ≥ 0.065 for diameter 12mm.
- bend and re-bend test parameters according to the relevant standards.
- fatigue performance according to relevant standards.

4. STANDARD PACKAGING

Coils weight 2.5 t and 4.8 t, height = 900 mm, internal diameter = 700 mm, tied with 4 strips.

5. STANDARD IDENTIFICATION

Each coil with diameter painted on the surface and label reporting:

PITTINI
JUMBO STRETCHED B500B
HEAT N°
WEIGHT
DIAMETER
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand certificate 3.1 according to EN10204.

7. APPROVALS

EMPA (Switzerland), PRÜFSTELLE FÜR BETONSTAHL (Germany).

8. IDENTIFICATION MARK

Mark 4-7

