

1. DESCRIPTION

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, diameter 8mm, steel grade B500B named PITTINI JUMBO STRETCHED B500, in accordance with: SIA 262 B500B (Switzerland); HRN 1130-2 B500B (Croatia); STS-07/061 B500B (Slovenia), SRPS EN 10080 B500B (Serbia); IBDiM-KOT-2018/0114 wydanie 1 B500B (Poland); A-90/2017 B500B (Hungary); SK TP – 13/0032 – verzia 03 B500B (Slovak Republic); CSN 42 0139 B500B (Czech Republic); AT 016-01/425-2020 B500C (Romania); BTA-18.1/04.02.2019 (Bulgaria); SS212540 K500B-KR (Sweden); EN10080 and EC2 grade B500B (Denmark).

2. CHEMICAL COMPOSITION ON PRODUCT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
HRN 1130; STS-07/061; SRPS EN 10080; SIA 262; IBDiM-KOT-2018/0114 w.1; A-90/2017; CSN 42 0139; SK TP-13/0032-v03; AT 016-01/425-2020; BTA-18.1/04.02.2019; SS212540; EN 10080	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%.

In addition $S_{i\max} = 0.60\%$ and $Mn_{\max} = 1.60\%$ according to IBDiM-KOT-2018/0114 w.1

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Standard	Steel grade	Diameter range mm	Weight toll. %	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	-
HRN 1130	B500B	8	± 6	500c	-	-	1.08c	-	5c	-
STS-07/061	B500B	8	± 6	500c	650c	-	1.08c	-	5c	-
SRPS EN 10080	B500B	8	± 6	500c	650c	-	1.08c	-	5c	-
IBDiM-KOT-2018/0114 w.1	B500B	8	± 4.5	500c	650c	-	1.08c	-	5c	-
A-90/2017	B500B	8	± 6	500c	650c	590	1.08c	-	5c	18
SK TP-13/0032-v03	B500B	8	± 6	500c	650c	-	1.08c	-	5c	-
CSN 42 0139	B500B	8	± 6	500c	-	-	1.08c	-	5c	-
AT 016-01/425-2020	B500C	8	± 6	500c	650c	-	1.15c	1.35c	7.5c	16
BTA-18.1/04.02.2019	B500C	8	± 6	500c	650c	-	1.15c	1.35c	7.5c	-
SS212540	K500B-TR	8	± 6	500c	-	-	1.08c	-	5c	-
EN10080 + EC2	B500B	8	± 6	500c	-	-	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
- bend and re-bend test parameters according to the 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. Regular winding (WRs) or random winding (WR).

5. STANDARD IDENTIFICATION

Each coil must be identified by writing "WR" painted on the surface and by a label type HD reporting:

PITTINI
JUMBO STRETCHED B500
DATE OF PRODUCTION
HEAT N°
DIAMETER MM
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand document according EN10204.

7. APPROVALS

EMPA (Switzerland), IGH (Croatia), ZAG (Slovenia), IMS (Serbia), Simptestcert (Poland), EMI (Hungary), TSUS (Slovakia), TZUS (Czech Republic), ICECON (Romania), NISI (Bulgary), GlobeCert AB 1616 (Sweden and Denmark).

8. IDENTIFICATION MARK

Mark 4-7

