

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: HRN 1130-2 B500B (Croatia); STS-07/061 B500B (Slovenia), SRPS EN 10080 B500B (Serbia); IBDiM-KOT-2018/0114 wydanie 2 B500B (Poland); A-90/2017 B500B (Hungary); SK TP – 13/0032 – verzia 03 B500B (Slovak Republic); CSN 42 0139 B500B (Czech Republic); EN10080 and EC2 grade B500B (Denmark).

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	Cu %	N %	Ceq %
IBDiM-KOT-2018/0114 w.2	max	0.22	0.050	0.050	0.60	0.012	0.50
HRN 1130; STS-07/061; SRPS EN 10080; A-90/2017; CSN 42 0139; SK TP-13/0032-v03; 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.2.

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
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.2	B500B	8	-4 / +6	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	-
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.
- 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 B500
HEAT N°
WEIGHT
DIAMETER
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand certificate 3.1 according to EN10204.

7. APPROVALS

IGH (Croatia), ZAG (Slovenia), IMS (Serbia), IBDiM (Poland), Simptestcert (Poland), EMI (Hungary), TSUS (Slovakia), TZUS (Czech Republic), GlobeCert (Denmark).

8. IDENTIFICATION MARK

Mark 4-7

