

1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement named JUMBO SPOOLED and according to standards/approvals: DIN 488 and Z-1.2-271 B500B (Germany); SIA 262 B500B (Switzerland); NF A 35-080-1 B500B (France); HRN 1130 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 %
DIN 488; IBDiM-KOT-2018/0114 w.2	max	0.22	0.050	0.050	0.60	0.012	0.50
NF A 35-080-1; HRN 1130; STS-07/061; SRPS EN 10080; SIA 262;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 $Mn_{\max} = 1.40\% / 1.60\%$ according to NS 3576 / 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	Re/Re nom max	Agt min %	A5 min
DIN 488	B500B	10 ÷ 16	-4/ + 6c	500c	650c	-	1.08c	-	5c	-
Z-1.2-271	B500B	20	-4/ + 6c	500c	650c	-	1.08c	-	5c	-
SIA 262	B500B	10 ÷ 20	± 4.5	500c	650c	-	1.08c	-	5c	-
NF A 35-080-1	B500B	20	± 4.5	500c	-	-	1.08c	1.30c	5c	-
HRN 1130	B500B	10 ÷ 16	± 4.5	500c	-	-	1.08c	-	5c	-
STS-07/061	B500B	10 ÷ 16	± 4.5	500c	650c	-	1.08c	-	5c	-
SRPS EN 10080	B500B	10 ÷ 16	± 4.5	500c	650c	-	1.08c	-	5c	-
IBDiM-KOT-2018/0114 w.2	B500B	10 ÷ 16	-4/ + 6	500c	650c	-	1.08c	-	5c	-
A-90/2017	B500B	10 ÷ 20	± 4.5	500c	650c	590	1.08c	-	5c	18
SK TP-13/0032-v03	B500B	10 ÷ 25	± 4.5	500c	650c	-	1.08c	-	5c	-
CSN 42 0139	B500B	10 ÷ 25	± 4.5	500c	-	-	1.08c	-	5c	-
EN10080 + EC2	B500B	10 ÷ 20	± 4.5	500c	-	-	1.08c	-	5c	-

NOTES:

- test on sample straight by 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

In coils of standard weight 2.4t and 4.8 t. Internal diameter 700 mm, height 900mm, max width 1050 mm (2.4 t) and 1320 mm (4.8 t). Tied with 4 metallic strips.

5. STANDARD IDENTIFICATION

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

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

Additional label for Croatia and Serbia. Additional digital label for Poland.



6. STANDARD CERTIFICATION

On demand certificate 3.1 according EN10204. Where relevant Declaration of Conformity or Declaration of Performance.

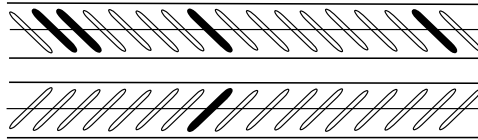
7. APPROVALS

PRÜFSTELLE FÜR BETONSTAHL (Germany), EMPA (Switzerland), AFCAB (France), IGH (Croatia), ZAG (Slovenia), IMS (Serbia), IBDiM (Poland), Simptestcert (Poland), EMI (Hungary), TSUS (Slovakia), TZUS (Czech Republic), GlobeCert (Denmark).

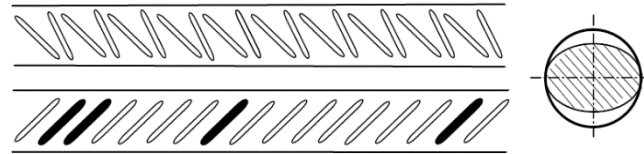
8. IDENTIFICATION MARK

Mark 4-7

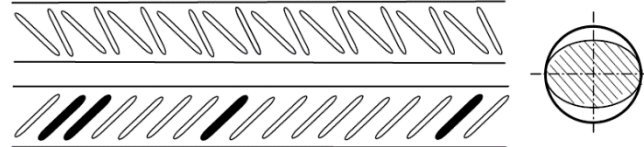
Ø10÷16mm



Ø18 and 25mm



Ø20mm (for Switzerland, France, Denmark, Hungary, Czeck Republic, Slovak Republic)



Ø20mm (for Germany, Denmark, Hungary, Czeck Republic, Slovak Republic)

