

## 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); HRN 1130 B500B (Croatia); STS-07/061 (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); EN10080 and EC2 grade B500B (Denmark).

## 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
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; 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. 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
DIN 488	B500B	10 ÷ 16	+6/-4c	500c	650c	-	1.08c	-	5c	-
Z-1.2-271	B500B	20	+6/-4c	500c	650c	-	1.08c	-	5c	-
SIA 262	B500B	10 ÷ 20	± 4.5	500c	650c	-	1.08c	-	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. 1	B500B	10 ÷ 16	± 4.5	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	-
AT 016-01/425-2020	B500C	10 ÷ 16	± 4.5	500c	650c	-	1.15c	1.35c	7.5c	16
BTA-18.1/04.02.2019	B500C	10 ÷ 16	± 4.5	500c	650c	-	1.15c	1.35c	7.5c	-
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

## 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 label reporting:

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

## 6. STANDARD CERTIFICATION

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

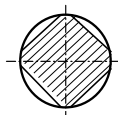
## 7. APPROVALS

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

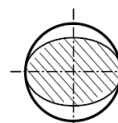
## 8. IDENTIFICATION MARK

Mark 4-7

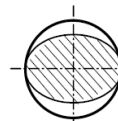
Ø10÷16mm



Ø18 and 25mm



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



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

