

## 1. DESCRIPTION

Weldable ribbed steel wire in wound layer coils for concrete reinforcement named JUMBO SPOOLED and according to standards/approvals: Z-1.2-271 B500B (Germany), NF A 35-080-1 B500B (France); SIA 262 B500B (Switzerland); A-90/2017 B500B (Hungary); SRPS EN 10080 B500B (Serbia); SK TP – 13/0032 – verzia 03 B500B (Slovak Republic); CSN 42 0139 B500B (Czech Republic), HTO 25/002 B500B (Croatia).

## 2. HEAT CHEMICAL COMPOSITION

	Limits	C % *	P %	S %	Cu %	N %	Ceq %
Z-1.2-271	max	0.22	0.050	0.050	0.60	0.012	0.50
NF A 35-080-1; SIA 262; A-90/2017; SRPS EN 10080; SK TP-13/0032-v03; CSN 42 0139; HTO 25/002	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, Si<sub>max</sub> = 0.60% and Mn<sub>max</sub> = 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
Z-1.2-271	B500B	20	-4/+6c	500c	650c	-	1.08c	-	5c	-
NF A 35-080-1	B500B	20	± 4.5	500c	-	-	1.08c	1.30c	5c	-
SIA 262	B500B	18 ÷ 20	± 4.5	500c	650c	-	1.08c	-	5c	-
A-90/2017	B500B	18 ÷ 20	± 4.5	500c	650c	590	1.08c	-	5c	18
SRPS EN 10080	B500B	18 ÷ 25	± 4.5	500c	650c	-	1.08c	-	5c	-
SK TP-13/0032-v03	B500B	18 ÷ 25	± 4.5	500c	650c	-	1.08c	-	5c	-
CSN 42 0139	B500B	18 ÷ 25	± 4.5	500c	-	-	1.08c	-	5c	-
HTO 25/002	B500B	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 Serbia and Croatia.

## 6. STANDARD CERTIFICATION

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



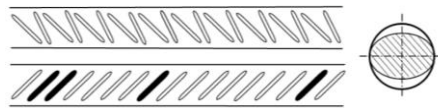
## 7. APPROVALS

PRÜFSTELLE FÜR BETONSTAHL (Germany), AFCAB (France), EMPA (Switzerland), EMI (Hungary), IMS (Serbia), TSUS (Slovakia), TZUS (Czech Republic), IGH (Croatia).

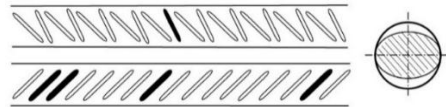
## 8. IDENTIFICATION MARK

Mark 4-7

For France and Switzerland:



For Germany:



For Hungary, Serbia, Slovakia, Czech Republic and Croatia:

