







**TECHNICAL SPECIFICATION** REINFORCING STEEL WIRE IN COILS B500B DIAMETER 8-12 MM FOR GERMAN MARKET

Document Revision Date Page

**SPF517** 01/01/2021 1/1

# **DESCRIPTION** 1.

Weldable hot rolled and cold stretched ribbed steel wire in coils for concrete reinforcement, diameter 8-12mm, steel grade B500B, according to DIN488, named JUMBO STRETCHED.

## 2. **HEAT CHEMICAL COMPOSITION**

	Limits	C %	P %	S %	Cu %	N %	Ceq %
PITTINI	max	0.22	0.050	0.050	0.60	0.012	0.50
DIN 488	max	0.22	0.050	0.050	0.60	0.012	0.50

<sup>\*</sup> C max 0.25% is permitted, provided that Ceq max is 0.48%.

# **MECHANICAL AND DIMENSIONAL PROPERTIES** 3.

Standard	Steel	Diameter	Weight	Re	Re	Rm/Re	Agt	Bend
	grade	range	tol.	min	max	min	min	α, β, k
		mm	%	MPa	MPa		%	
PITTINI	B500B	8 ÷ 12	-4 / +6	500c	650c	1.08c	5с	90°/20°/5
DIN 488	B500B	6 ÷ 16	-4 / +6	500c	650c	1.08c	5c	90°/20°/5

# NOTES:

- test on sample straight by laboratory machine and aged 100°C/1h
- specific rib area:  $f_R \ge 0.052$  for diameter 8mm,  $f_R \ge 0.060$  for diameter 10mm,  $f_R \ge$ 0.065 for diameter 12mm

# STANDARD PACKAGING 4.

Coils weight from 2.4 t up to 4.8t, height = 700 mm up to 900mm, internal diameter = 700 mm, tied with 4 strips. Regular winding (WRs).

# 5. STANDARD IDENTIFICATION

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

**JUMBO STRETCHED HEAT Nº** WEIGHT t DIAMETER mm DATE **REFERENCE STANDARDS** PRODUCT CERTIFICATION LOGOS

# STANDARD CERTIFICATION 6.

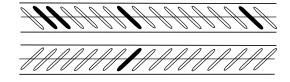
On demand document according to EN10204.

### 7. **APPROVALS**

PRÜFSTELLE FÜR BETONSTAHL (Germany).

### 8. **IDENTIFICATION MARK**

Mark 4-7





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