

1. DESCRIPTION

Weldable hot rolled ribbed steel in coils for reinforcing of concrete named JUMBO SPOOLED according to standard ÖNORM B 4707 grade B550B for Austrian market, SK TP – 16/0120 B550B (Slovak Republic) and according to EN 10080 and EC2 grade B550B for Danish market.

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	Cu %	N %	Ceq %
ÖNORM B 4707	max	0.22	0.050	0.050	0.80	0.012	0.50
SK TP – 16/0120	max	0.22	0.050	0.050	0.80	0.012	0.50
EN 10080	max	0.22	0.050	0.050	0.80	0.012	0.50

NOTES: C max 0.25% is permitted, provided that Ceq max is 0.48%.

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter Range mm	Weight Tol. %	Re min N/mm ²	Rm/Re min	Agt Min %	Bend α , k
ÖNORM B 4707	B550B	10 ÷ 20	±4,5/±6,0	550c	1.08c	5c	Note
SK TP – 16/0120	B550B	10 ÷ 16	±4,5/±6,0	550c	1.08c	5c	Note
EN 10080 EC2	B550B	10 ÷ 20	±4,5/±6,0	550c	1.08c	5c	note

NOTES:

- test after ageing 100°C for 1h;
- bending at 180°: mandrel equal to 3 ϕ for $\phi \leq 16$ mm; mandrel equal to 6 ϕ for $\phi > 16$ mm;
- ÖNORM B 4707: Re min 533 MPa; Rm/Re min 1.06; Agt min 4.0%;
- specific rib area f_R min 0.046 for $10 \leq \phi \leq 12$ mm and f_R min 0.064 for $14 \leq \phi \leq 20$ mm.

4. STANDARD PACKAGING

In coils of standard weight approx. 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 identified with diameter painted on the surface and label reporting:

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

6. STANDARD CERTIFICATION

Certificate 3.1 according to EN 10204.

7. APPROVALS

Baucert Steiermark (Austria), TSUS (Slovakia) and GlobeCert (Denmark).

8. IDENTIFICATION MARK

Mark 1-7

