

1. DESCRIPTION

Weldable reinforcing steel rebars for concrete, according to ÖN 4707 grade B550B for Austrian market and according to EN 10080 and EC2 grades B550B/B500B for Danish market.

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	Cu %	N %	Ceq %
ÖN 4707 and EN10080	min	-	-	-	-	-	-
	max	0.22	0.050	0.050	0.80	0.012	0.50

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

3. MECHANICAL PROPERTIES AND DIMENSION TOLLERANCES

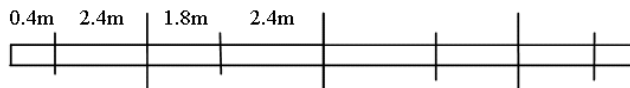
Standard	Steel grade	Diameter Range mm	Weight Tol. %	Lenght Tol. mm	Y.S. min N/m ²	T.S./Y.S. min	Agt min %	Bend/Re bend test α, k
PITTINI	B550B	8 ÷ 30	note	± 50	550c	1.08c	5c	180, 3
ÖN 4707	B550B	6 ÷ 50	note	-	550c	1.08c	5c	180, 3
EC2	B550B	6 ÷ 50	note	-	550c	1.08c	5c	note
EC2	B500B	6 ÷ 50	note	-	500c	1.08c	5c	note

NOTES:

- weight toll +/- 6% for $\varnothing \leq 8\text{mm}$; weight toll +/- 4,5% for $\varnothing > 8\text{mm}$
- bending at 180°: mandrel equal to $3\varnothing$ for $\varnothing \leq 16\text{mm}$ and equal to $6\varnothing$ for $\varnothing > 16\text{mm}$;
- according to ÖN B 4707: Re min 533 MPa; Rm/Re min 1.06; Agt min 4.0%;
- specific rib area f_R min 0.040 for $8 \leq \varnothing \leq 12\text{mm}$ and f_R min 0.056 per $\varnothing > 12\text{mm}$
- EN10080: bend test at 180°, $d_{\text{mandrel}} = 3d$ for d up to 16mm, $d_{\text{mandrel}} = 6d$ for d greater than 16mm; bend at 90° and rebend, $d_{\text{mandrel}} = 5d$ for d up to 16mm, $d_{\text{mandrel}} = 8d$ for d up to 25mm, $d_{\text{mandrel}} = 10d$ for d greater than 25mm

4. STANDARD PAKING

In bundles of standard length 14.05 m, tied with wire rod 7 mm. Bundle weight approx.: 1.6 t for $\varnothing 8\text{mm}$, 2.2 t for $\varnothing 10\text{mm}$ and 2.5 t for $\varnothing$ from 12 to 30mm. Maximum 3 short bars in a bundle with minimum length 6 m.



5. STANDARD IDENTIFICATION

Each bundle with label reporting:

PITTINI
REBAR
DIAMETER – HEAT NR.
NOMINAL WEIGHT
DATE OF PRODUCTION
ÖNORM B 4707 B550B
GLOBECERT 1616
EN 10080:2005 - EC2 B500B/B550B
LOGO ÜA + LOGO GLOBECERT



6. STANDARD CERTIFICATION

On demand test certificate according to EN 10204.

7. APPROVALS

Baucert Steiermark (Austria) and Globecert (Denmark).

8. IDENTIFICATION MARK

Mark 1-7

