MARIENHÜTTE

Product Data Sheet for
reinforcing steel in bars

B550B

Foto: Mathias Kniepeiss

PRODUCT DATA SHEET FOR REINFORCING STEEL IN BARS — B550B

DIAMETER [mm]

8	10	12	14	16
20	26	30	36	40

BAR LENGTH [m]

6–18*

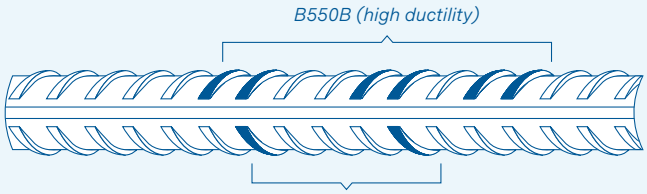
Special lengths available on request. (≥ 30 mm up to 30 m)*

CHEMICAL COMPONENTS & WELDABILITY [%]

C ≤0,24 S ≤0,055 P ≤0,055 N ≤0,014 Cu ≤0,85 C_{eq} ≤0,52

By respecting the above mentioned chemical components the producer guarantees the weldability for each batch.

LABELLING



Producer Nr. 3
Stahl- und Walzwerk Marienhütte GmbH

CERTIFICATES

Austria, Croatia, Slovenia, Hungary, Slovakia, Czech Republic:
available on request

STANDARDS

Production according to ÖNORM B4707 and EN 10080

MECHANICAL-TECHNOLOGICAL PROPERTIES

Yield strength Re	≥ 550 MPa	Rib area fR Ø 8 mm ≤ d ≤ Ø 12 mm Ø 14 mm ≤ d ≤ Ø 40 mm	 ≥ 0,040 ≥ 0,056
Yield strength Remax	≤ 715 MPa	Fatigue:	
Ratio (Rm/Re)	≥ 1,08	High tension	300 MPa
Uniform strain Agt	≥ 5%	Working stroke	2 σ_a für 2*10^6
		Load change	150 MPa

Additional information available on our website: www.marienhuette.at
As of October 2023

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