



MARIENHÜTTE



MARIENHÜTTE
Stahlstraße 11
A-3021 Graz
DIN 488
Ring
B500B
Produziert
Prof. Dr.-Ing.
G. Rapp

Stahl- und Walzwerk
MARIENHÜTTE
Ges. m. b. H.
Gespunter Ring wärmebehandelt
nach DIN 488
12062016
Qual.: B500BWR
Durchm: 08 mm
Chrg. Nr.: 232904
Kn. Nr.: 13

Product Data Sheet for reinforcing steel in coils

B500B



Diameter	[mm]	8	10	12	14	16
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Dimensions



COIL
1,7t

MEGA COIL
3t

GIGA COIL
5t

Chemical Components & Weldability

[%]

C ≤ 0,24	S ≤ 0,055	P ≤ 0,055	N ≤ 0,014	Cu ≤ 0,65	C_{eq} ≤ 0,52^a
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By respecting the above mentioned chemical components the producer guarantees the weldability for each coil.

^a $\phi > 28$ C_{eq} ≤ 0,49%

Labelling



Country Nr.: 1
Stahl- und Walzwerk Marienhütte GmbH
Producer: 89

Certificates

Germany: BAY05-BRL488-075

Hungary : 20-CPR-54-(C-4/2008)

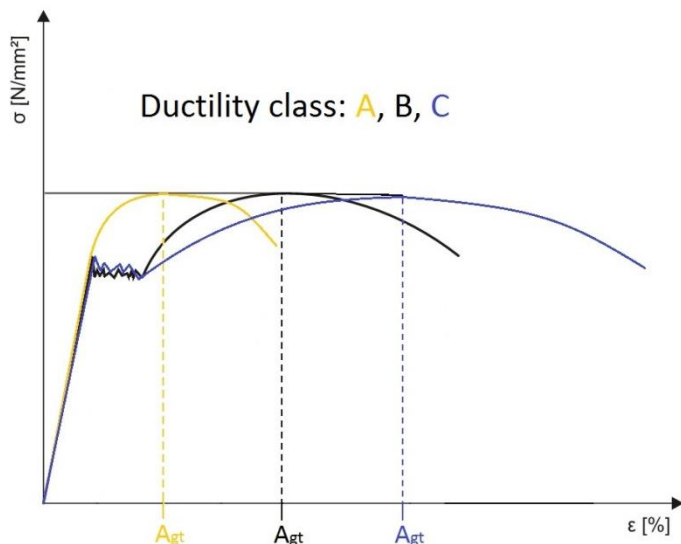
Slovakia: Certifikat SK04-ZSV-1948

Czech Republic: Certifikát výrobku č. 204/C5/2014/070-036991

Standards

Production according to DIN 488 and EN 10080

Mechanical-technological properties



Ductility class: **A, B, C**

Yield Strength Re	≥ 500 MPa
Ratio (Rm/Re)	≥ 1,08
Uniform strain Agt	≥ 5%
Rib area fR	
Ø 8mm	≥ 0,045
Ø 10mm	≥ 0,052
Ø ≥ 12mm	≥ 0,056
Fatigue:	
High tension	300 MPa
Working stroke	2 σ_a für $1 \cdot 10^6$
Load change	175 MPa