



MARIENHÜTTE



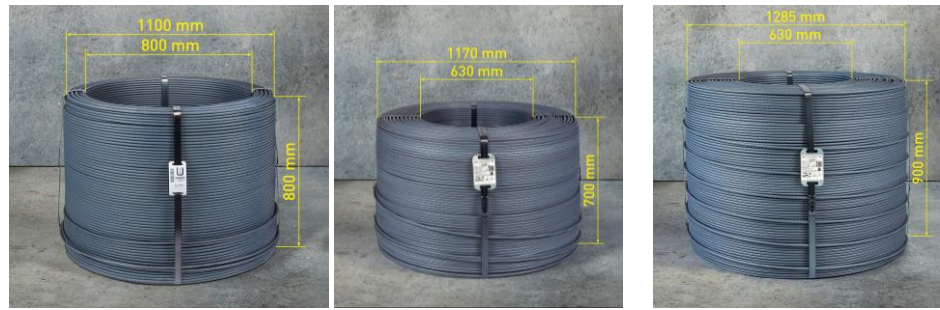
Product Data sheet for reinforcing steel in coils

B550B



Diameter	[mm]	8	10	12	14	16
-----------------	-------------	----------	-----------	-----------	-----------	-----------

Dimension



COIL
1,7t

MEGA COIL
3t

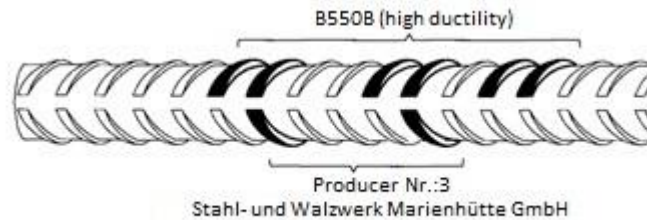
GIGA COIL
5t

Chemical Components & Weldability

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

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

Labelling



Certificates

Austria: Nr.: Z-2.1.2-16-7647 (ÖNORM EN 10080 and ÖNORM B4707)

Croatia: Certifikat o stalnosti svojstava 1/05-ZGP-2097

Slovenia: STS-09/0030

Hungary: 20-CPR-15-(C-4/2008)

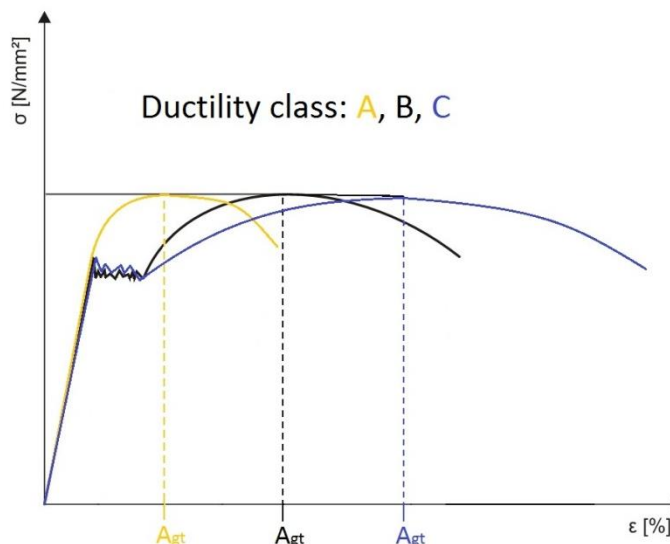
Slovakia: Certifikat SK04-ZSV-1948

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

Standards

Production according to ÖNORM 4707 and ÖNORM EN 10080

Mechanical-technological properties



Yield strength Re	≥ 550 MPa
Yield strength R _{max}	≤ 715 MPa
Ratio (R _m /R _e)	≥ 1,08
Uniform strain A _{gt}	≥ 5%
Rib area f _R	
∅ 8mm ≤ d ≤ ∅ 12mm	≥ 0,046
∅ 14mm ≤ d ≤ ∅ 16mm	≥ 0,064
Fatigue:	
High tension	300 MPa
Working stroke	2 σ _a für 2*10 ⁶
Load change	150 MPa