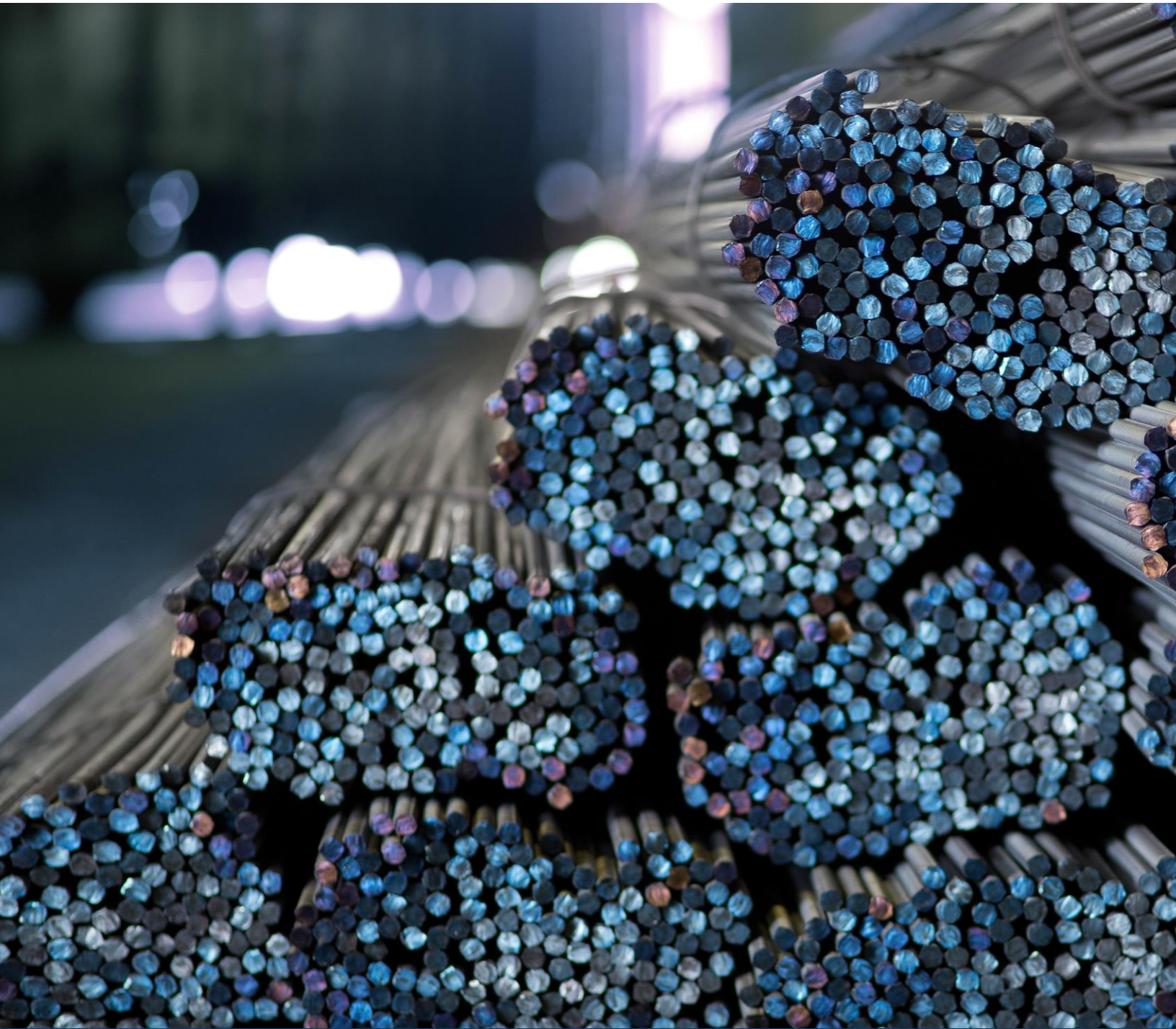




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Product Data Sheet for reinforcing steel in bars

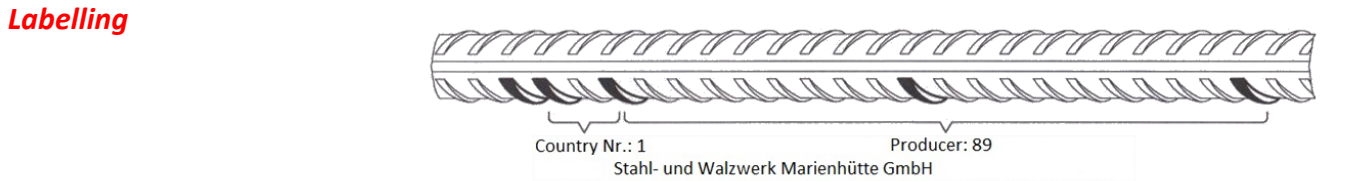
**B500B**

<b>Diameter</b>	<b>[mm]</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>
		<b>20</b>	<b>25</b>	<b>28</b>	<b>32</b>	<b>40</b>

<b>Bar Length</b>	<b>[m]</b>	<b>6-30</b>
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Special lengths available on request.

<b>Chemical Components &amp; Weldability</b>	<b>[%]</b>	<b>C ≤ 0,24 S ≤ 0,055 P ≤ 0,055 N ≤ 0,014 Cu ≤ 0,65 C<sub>eq</sub> ≤ 0,52<sup>a</sup></b>
		By respecting the above mentioned chemical components the producer guarantees the weldability for each batch. <sup>a</sup> Ø > 28 C <sub>eq</sub> ≤ 0,49%



<b>Certificates</b>	<p><b>Germany:</b> BAY05-BRL488-102</p> <p><b>Croatia:</b> Certifikat o stalnosti svojstava 1/05-ZGP-2096</p> <p><b>Slovenia:</b> STS-07/057</p> <p><b>Hungary :</b> 20-CPR-13-(C-4/2008)</p> <p><b>Slovakia:</b> Certifikat SK04-ZSV-1948</p> <p><b>Czech Republic:</b> Certifikát výrobku č. 204/C5/2014/070-036991</p>
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<b>Standards</b>	Production according to DIN 488 and EN 10080
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<b>Mechanical-technological properties</b>	Yield strength Re	≥ 500 MPa	Uniform strain Agt	≥ 5%
			Ratio (Rm/Re)	≥ 1,08
	Rib area fR		Fatigue:	
	Ø 8mm	≥ 0,045	High tension	300 MPa
		Working stroke	2 σ <sub>a</sub> für 1*10 <sup>6</sup>	
		Load change	175 MPa	
	Ø 10mm	≥ 0,052		
	≥ Ø 12mm	≥ 0,056		

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