

## Product Certificate for Reinforcing Steel Products

# No.: DK-FC-023-10080-008 version 4

Issued by FORCE Certification A/S in accordance with ABC-Reinforcing steel  
General terms for certification of reinforcing steel products 16th edition – June 2018

<b>Issued to:</b>	<b>Besta Eisen- und Stahlhandelsgesellschaft mbH Zur Rauhen Horst 7 32312 Lübbecke Germany</b>
for the following product:	Reinforcing steel in fabric
Production address:	Same as above
Certified product:	Reinforcing steel in machine welded fabric, designated B500B
Coil certificate:	DK-FC-030-10080-004 issued to Badische Stahlwerke GmbH by FORCE Certification A/S
Manufacturing process:	Hot rolled, ribbed – cold stretched – coiled- de-coiled – machine resistance spot welded
Product specifications:	Characteristic strength, $R_{eH} = 500 \text{ N/mm}^2$ (MPa) Characteristic ductility, $R_m / R_{eH} = 1.08$ and $A_{gt} = 5\%$ Class: B, according to Euro code 2 Characteristic bonding $f_R = 0,035$ for 6 $f_R = 0,040$ for $8 \text{ mm} \leq d \leq 12 \text{ mm}$ Diameters, $D = 6 \text{ mm}$ through $12 \text{ mm}$
Standard specifications:	Weight per meter, weld shear force, weldability, and fatigue requirements are all fulfilled according to DS/EN 10080:2006 and DS/EN 1992-1-1+AC, Annex C 2008 (Euro Code 2)
Rib geometry:	As shown overleaf
Rolled-in marking:	1 (Germany) and 21 (BSW) as shown overleaf
Initial Inspection:	FORCE-Dantest CERT file No. m1472-161985
Type testing:	FORCE Technology file No. 110-21976
Previous certificate:	DK-FC-023-10080-008 version 3, dated 2019-04-11

The examined reinforcing steel product fulfils the requirements in Danish Standard DS/EN 10080, 2<sup>nd</sup> Edition 2006-01-13, as well as Eurocode 2, DS/EN 1992-1-1+AC:2008 including DS/EN 1992-1-1 DK NA:2017.

The product certificate is valid for 5 years from the date of issue provided that periodical inspections are carried out during this period. If the product is altered or modified or the certification agreement terminates this certificate is no longer valid. The manufacturer shall inform FORCE Certification A/S about any planned modification.

*Date of issue:* 2024-04-11  
*Date of expiry:* 2029-04-11  
*FC task No.:* 124-24764  
*FC ID No.:* DK-0200-06292

*Signature:*

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Rian Holdstock  
Certification Manager

**The basis for issuing of certificate DK-FC-023-10080-008 version 4**

<b>Danish Standard</b>	DS/EN 10080, 2 <sup>nd</sup> Edition 2006-01-13
<b>FORCE Certification document</b>	Publication ABC-Reinforcing steel 16 <sup>th</sup> Edition of June 2018
<b>FORCE Certification document</b>	Check list, Edition 1
<b>Initial Inspection Report</b>	FORCE-Dantest CERT file No. m1472-161985
<b>Type Testing Report(s)</b>	FORCE Technology file No. 110-21976
<b>Continuous surveillance</b>	Annual audit reports
<b>QA responsible to FORCE Certification</b>	Dirk Wagels
<b>Note for version 4</b>	Renewal

**Rib geometry:**



**Rolled in code for BSW:**

