

Product Certificate for Reinforcing Steel Products

No.: DK-FC-023-10080-010 version 5

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

Issued to:	Besta Eisen- und Stahlhandelsgesellschaft mbH Zur Rauhen Horst 7 32312 Lübbecke Germany
for the following product:	Reinforcing steel in bars
Production address:	Same as above
Certified product:	Steel in bars stretched and straightened from coils, designated B500B
Coil certificate:	DK-FC-030-10080-004 issued to Badische Stahlwerke GmbH by FORCE Certification A/S
Manufacturing process:	Straightening by spinning
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: $f_R = 0,040$ Diameter: $8\text{mm} \geq D \leq 12\text{mm}$
Standard specifications:	Weight per meter, bendability, 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 Nos. 114-21132.b/117-35782
Previous certificate:	DK-FC-023-10080-010 version 4, dated 2019-04-11

The examined reinforcing steel product fulfils the requirements in Danish Standard DS/EN 10080, 2nd 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 If the product is altered or modified or the certification agreement terminates this certificate is no longer valid.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.

<i>Date of issue:</i>	2024-04-11	<i>Signature:</i>
<i>Date of expiry:</i>	2029-04-11	
<i>FC task No.:</i>	124-24764	
<i>FC ID No.:</i>	DK-0200-06294	

Rian Holdstock
Certification Manager

The basis for issuing of certificate DK-FC-023-10080-010 version 5

Danish Standard	DS/EN 10080, 2 nd Edition 2006-01-13
FORCE Certification document	Publication ABC-Reinforcing steel 16 th Edition of June 2018
FORCE Certification document	Check list, Edition 1
Initial Inspection Report	FORCE-Dantest CERT file No. m1472-161985
Type Testing Report(s)	FORCE Technology file Nos. 114-21132.b/117-35782
Continuous surveillance	Annual audit reports
QA responsible to FORCE Certification	Dirk Wagels
Note version 4	Renewal

Rolled in code:

