

Product Certificate for Reinforcing Steel Products
No.: DK-FC-023-10080-003 version 5

Issued by FORCE Certification A/S in accordance with ABC-Reinforcing steel
General terms for certification of reinforcement steel products 17th edition – October 2019

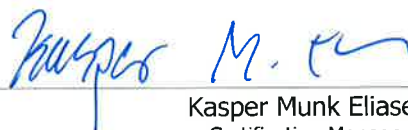
Issued to:	Besta Eisen- und Stahlhandelsgesellschaft mbH Zur Rauhen Horst 7 32312 Lübbecke Germany
for the following product:	Reinforcing steel in fabric
Production address:	Same as above
Certified product:	Reinforcing steel in machine welded fabric, designated 500A
Manufacturing process:	Non-alloyed cold rolled, ribbed, coiled, de-coiled and machine welded
Product specifications:	Characteristic strength, $R_{eH} = 500 \text{ N/mm}^2$ (MPa) Characteristic ductility, $R_m / R_{eH} = 1.05$ and $A_{gt} = 2.5\%$ Class: B, according to Euro code 2 Characteristic bonding $f_R = 0,035$ for $5 \text{ mm} \leq d \leq 6 \text{ mm}$ $f_R = 0,040$ for $7 \text{ mm} \leq d \leq 12 \text{ mm}$ Diameters, $D = 5 \text{ mm}$ through 12 mm
Standard specifications:	Weight per meter, shear force of weld, weld ability, and fatigue 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 35 (BSW) as shown overleaf
Initial Inspection:	FORCE-Dantest CERT file No. m1472-161985
Type testing:	FORCE Technology file Nos. m1471-162607/m1471-188481/m1471-202283/m1471-214010 and FORCE Certification historical data stored under file No. 80.971-645/09
Previous certificate:	DK-FC-023-10080-003 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 If the product is altered or modified or the certification agreement terminates this certificate is no longer valid.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.

Date of issue: 2019-10-23
Date of expiry: 2024-10-23
FC task No.: 119-23720
FC ID No.: DK-0200-07451

Signature:



Kasper Munk Eliassen
Certification Manager

The basis for issuing of certificate DK-FC-023-10080-003 version 5

Danish Standard	DS/EN 10080, 2 nd Edition 2006-01-13
FORCE Certification document	Publication ABC-Reinforcement steel 17 th Edition of October 2019
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. m1471-162607/m1471-188481/m1471-202283/m1471-214010 and FORCE Certification historical data stored under file No. 80.971-645/09
Continuous surveillance	Annual audit reports
QA responsible to FORCE Certification	Daniel Gomes
Note version 5	Editorial corrections of specifications

Rib configurations and rolled-in markings by missing ribs



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