DANAK
PROD Reg. No. 7020

FORCE Certification

Product Certificate for Reinforcing Steel Products

No.: DK-FC-023-10080-004 version 4

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 bars
Production address:	Same as above
Certified product:	Reinforcing steel in bars straightened from coils, designated B500A
Coil certificate:	DK-FC-030-10080-001 and DK-Fc-10080-003 issued to Badische Stahlwerke GmbH by FORCE Certification A/S
Manufacturing process:	Straightening by spinning
Product specifications:	Characteristic strength, R_{eH} = 500 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 mm ≤ d ≤ 6 mm f_R = 0,040 for 7 mm ≤ d ≤ 12 mm Diameters, D= 5 mm through 12 mm
Standard specifications:	Weight per meter, bend ability, 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 (BESTA) 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-023-10080-004 version 3, dated 2019-10-23

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 If the product is altered or modified or the certification agreement terminates this certificate is no longer valid.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: *2024-10-24*
Date of expiry: *2029-10-24*
FC task No.: *124-29093*
FC ID No.: *18795*

Signature and date: Rian Holdstock Date: 2025.01.21 16:15:26 +01'00'

Rian Holdstock
Certification Manager

The basis for issuing of certificate DK-FC-023-10080-004 version 4

Danish Standard	DS/EN 10080, 2nd Edition 2006-01-13
FORCE Certification document	Publication ABC-Reinforcement steel 17th 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 4	Certificate updated to Version 4.

Rib configurations and rolled-in markings by missing ribs

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