DANAK
PROD Reg. No. 7020

FORCE Certification

Product Certificate for Reinforcing Steel Products

No.: DK-FC-030-10080-003 version 3

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

Issued to:	**Badische Stahlwerke GmbH** **Graudenzer Straße 45** **D-77694 Kehl/Rhein** **Germany**
For the following product:	Reinforcing steel in coils
Production address:	Badische Stahlwerke GmbH Zur Rauhen Horst 7 D-32312 Lübbecke Germany
Manufacturing process:	Non-alloyed hot rolled, ribbed, cold stretched and coiled
Product specifications:	Characteristic strength, R_{eH} = 550 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 for 8 mm ≤ d ≤ 12 mm f_R = 0,056 for d > 12 mm Diameter d = 8 mm, 10 mm, 12 mm, 14 mm, 16 mm, and 20 mm
Standard specifications:	Weight per meter, bend ability, weld ability, and fatigue are all fulfilled
Straightening:	Suitable for roller and spinner straightening
Rib geometry:	As shown overleaf
Rolled-in marking:	1 (Germany) and 21 (BSW) as shown overleaf
Initial Inspection:	FORCE Certification A/S file No. 113-31978.a
Type testing:	FORCE Technology file No. 114-21132.a/122-27749
Previous certificate:	DK-FC-030-10080-003 version 2, dated 2017-08-28

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:2021.

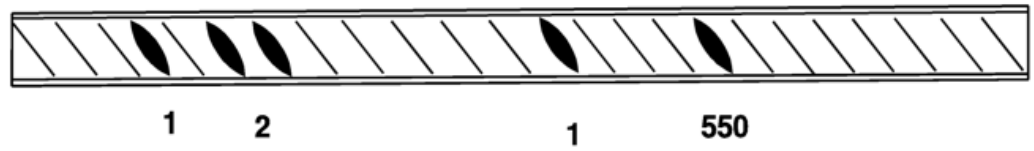
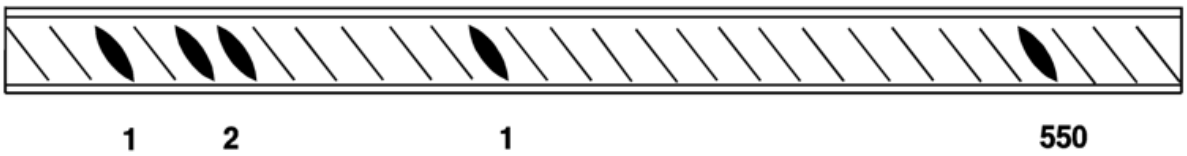
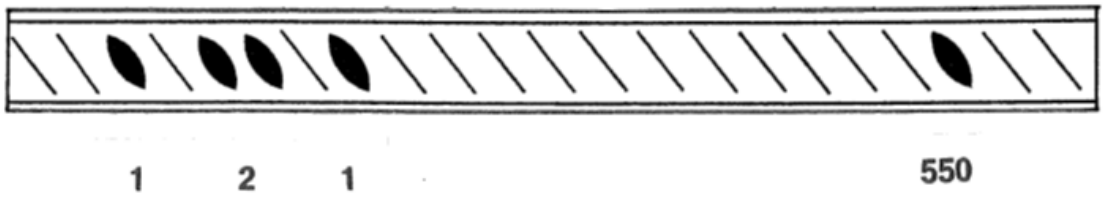
The product certificate is valid for 5 years from the date of issue provided that periodical inspections are carried out during this period. If the product is altered or modified or the certification agreement terminates this certificate is no longer valid. The manufacturer shall inform FORCE Certification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

Date of issue: 2022-08-28
Date of expiry: 2027-08-28
FC task No.: 122-26983
FC ID No.: DK-0200-02845-3

Signature:

Kasper Munk Eliasen
Certification Manager

The basis for issuing of certificate DK-FC-030-10080-003 version 3

Danish Standard	DS/EN 10080, 2nd Edition 2006-01-13
FORCE Certification document	Publication ABC-Reinforcing steel 17th Edition of October 2019
FORCE Certification document	Tjekliste for EN 10080 audit, version 1.5
Initial Inspection Report	FORCE Certification A/S file No. 113-31978.a
Type Testing Report(s)	FORCE Technology file No. 114-21132.a FORCE Technology file No. 122-27749
Continuous surveillance	Annual audit reports
QA responsible to FORCE Certification	Jürgen Schultz
Note in relation to update from version 2 to version 3	General renewal Expansion, addition of diameter 20 mm

Rolled in code: