TECHNICAL SPECIFICATION: SPOOLED COIL

Description of the product

Weldable, sustainable reinforcing steel featuring improved bonding and high ductility, hot rolled with in-line heat treatment "Tempcore".

Range of dimensions

- Diameter: **8 – 16 mm**

Packaging

Spooled coils fastened in 4 points
Weight of each spooled coil:

- *~ 3000 kg*

Coil size:

- *Ø int. 700 mm*
- *Ø ext. 1100 ÷ 1200 mm*
- *Height 700 mm*

Labelling

Each spooled coil is identified with a metal or paper plastic label containing the following information:

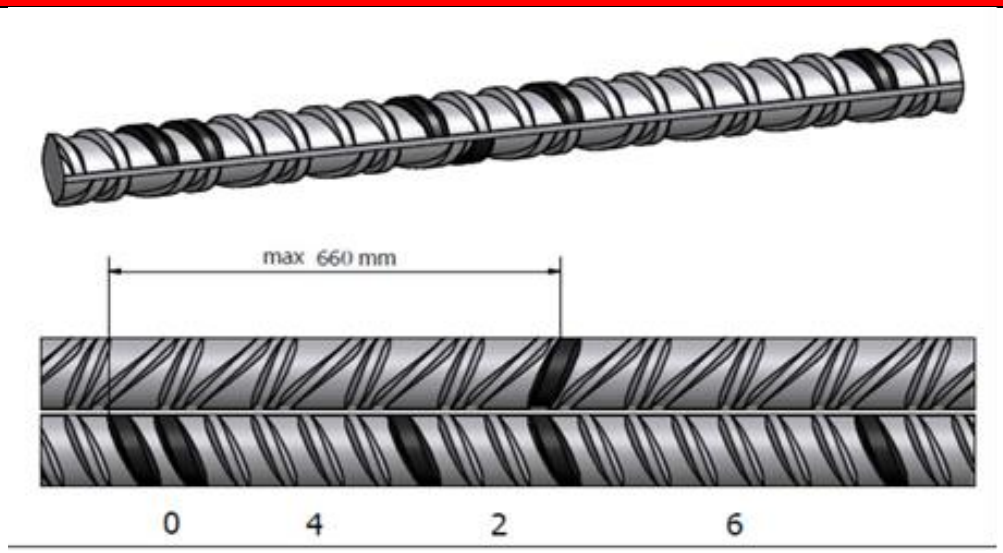
- Company logo
- Heat number
- Diameter
- Weight
- Steel grade
- Production date
- Standards references
- Certification logos
- QR Code

Certifications

Each delivery is accompanied by the certificate 3.1 (standard UNI EN 10204)

TECHNICAL SPECIFICATION: SPOOLED COIL

RIBS GEOMETRY AND ROLLING MARKING



CONFORMITY TO STANDARDS

Country (trade name)	*Standard*	*Grade*	*Certifications*
ITALY (ALFA B450C)	D.M. 17/01/2018	**B 450 C**	✓
FRANCE (ALFA 500S)	NFA 35080/1	**B 500 B**	✓
GERMANY (ALFA 500KS)	DIN 488	**B 500 B**	✓
ROMANIA (ALFA 500KS)	ST 009	**B 500 C**	✓
CZECH REP. (ALFA 500KS)	DIN 488	**B 500 B**	✓
HUNGARY (ALFA 500KS)	DIN 488	**B 500 B / B 500 C**	✓
SLOVAKIA (ALFA 500KS)	DIN 488	**B 500 B**	✓
SWITZERLAND (ALFA 500KS)	SIA 262	**B 500 C**	✓
SLOVENIA (ALFA 500KS)	SIST EN 10080	**B 500 B**	✓
CROATIA (ALFA 500KS)	HRN 1130-2	**B 500 B**	✓
SERBIA (ALFA 500KS)	SRPS EN 10080	**B 500 B**	✓
POLAND (ALFA 500KS)	IBDiM-KOT-2022/0813	**B 500 C**	✓
BULGARIA	**BDS 9252:2007**	**B500B - B500C**	✓
SPAIN (ALFA 500KS)	UNE 36068	**B 500 S**	
UNITED KINGDOM (ALFA 500KS)	BS 4449	**B 500 B**	
PORTUGAL (ALFA 500KS)	LNEC E450	**A 500 NR**	
USA (ALFA 500KS)	ASTM A615 / A705	**GRADO 60 / 40**	

CHEMICAL COMPOSITION

C % *max*	*P %* *max*	*S %* *max*	*Cu %* *max*	*N %* *max*	*Ceq.* *Max*
0.22	0.050	0.050	0.80	0.012	0.50
(0.24)	(0.055)	(0.055)	(0.85)	(0.014)	(0.52)

The figures in brackets refer to product analysis

ALFA ACCIAI

TECHNICAL SPECIFICATION: SPOOLED COIL

MECHANICAL PROPERTIES							
Standard	*Grade*	*Re N/mm²*	*Rm N/mm²*	*Rm/Re*	*Agt %*	*A5 %*	*A10 %*
D.M. 17/01/2018	**B450 C**	≥ 450	≥ 540	≥ 1.15 ≤ 1.35	≥ 7.5		
NFA 35080/1	**B 500 B**	≥ 500		≥ 1.08	≥ 5		
SIA 262	**B 500 C**	≥ 500		≥ 1.15 ≤ 1.35	≥ 7.5		
DIN 488	**B 500 B**	≥ 500		≥ 1.08	≥ 5		
ST 009	**B 500 C**	≥ 500		≥ 1.15 ≤ 1.35	≥ 7.5		≥ 16
HRN 1130-2	**B 500 B**	≥ 500		≥ 1.08	≥ 5		
EN 10080	**B 500 B**	≥ 500		≥ 1.08	≥ 5		
IBDiM-KOT-2022/0813	**B 500 C**	≥ 500		≥ 1.15 ≤ 1.35	≥ 8		
UNE 36068	**B 500 S**	≥ 500		≥ 1.08	≥ 5		
BDS 9252:2007	**B500B - B500C**	≥ 500		≥ 1.15 ≤ 1.35	≥ 7.5		
BS 4449	**B 500 B**	≥ 500		≥ 1.08	≥ 5		
LNEC E450	**A 500 NR**	≥ 500		≥ 1.08	≥ 5		
ASTM A615	**GR. 60**	≥ 420	≥ 620	≥ 1.10			≥ 9

GEOMETRICAL CHARACTERISTICS				
Ø mm	8	10	12	≥ 14
Relative rib area fR	≥ 0.040	≥ 0.040	≥ 0.040	≥ 0.056
Relative rib area fR DIN 488	≥ 0.045	≥ 0.052	≥ 0.056	≥ 0.056