

TECHNICAL SPECIFICATION: SPOOLED COIL ALFA 500 KSD



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

Spoiled coils fastened in 4 points

Weight of each spoiled coil:

- ~ 3000 kg

Coil size:

- $\varnothing$ int. 700 mm
- $\varnothing$ ext. 1100 ÷ 1200 mm
- Height 700 mm

Labelling

Each spoiled 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

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Certifications

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

RIBS GEOMETRY AND ROLLING MARKING



CONFORMITY TO STANDARDS

Country (trade name)	Standard	Grade	Certifications
GREECE	ELOT 1421-3	B 500 C	✓
ITALY	D.M. 17/01/2018	B 450 C	✓
GERMANY	DIN 488	B 500 B	✓
CROATIA	HRN 1130-2	B 500 B	✓

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

MECHANICAL PROPERTIES

Standard	Grade	Re N/mm ²	Rm N/mm ²	Rm/Re	Agt %	A5 %	A10 %
ELOT 1421-3	B 500 C	≥ 500		≥ 1.15 ≤ 1.35	≥ 7.5		
D.M. 17/01/2018	B450 C	≥ 450	≥ 540	≥ 1.15 ≤ 1.35	≥ 7.5		
DIN 488	B 500 B	≥ 500		≥ 1.08	≥ 5		
HRN 1130-2	B 500 B	≥ 500		≥ 1.08	≥ 5		

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GEOMETRICAL CHARACTERISTICS				
$\varnothing$ 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