

TECHNICAL SPECIFICATION: RECOILED WIRE ALFA RB



Description of the product

Weldable, sustainable reinforcing steel featuring improved bonding and high ductility, low carbon contents, packaged in coils, hot rolled and cold stretched.

Range of dimensions

- Diameter: 6 – 16 mm

Packaging

Coils strapped in 4 positions

Coil weight:

- ~ 2500 kg
- ~ 3000 kg
- ~ 5000 kg

Coil dimensions:

- \varnothing int. 630 mm
- \varnothing est. 1100 ÷ 1200 mm
- height 800 ÷ 1000 mm

Labelling

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

- Company logo
- Lot 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)



CONFORMITY TO STANDARDS

Country	Standard	Grade	Certifications
ITALY	D.M. 17/01/2018	B 450 C	✓
FRANCE	NFA 35080/1	B 500 B	✓
GERMANY	DIN 488	B 500 B	✓
SWITZERLAND	SIA 262	B 500 B	✓
SLOVENIA	SIST EN 10080	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

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MECHANICAL PROPERTIES							
<i>Standard</i>	<i>Grade</i>	<i>Re</i> N/mm ²	<i>Rm</i> N/mm ²	<i>Rm/Re</i>	<i>Agt</i> %	<i>A5</i> %	<i>A10</i> %
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		
DIN 488	B 500 B	≥ 500		≥ 1.08	≥ 5		
SIA 262	B 500 B	≥ 500		≥ 1.08	≥ 5		
EN 10080	B 500 B	≥ 500		≥ 1.08	≥ 5		

GEOMETRICAL CHARACTERISTICS					
<i>∅ mm</i>	6	8	10	12	≥ 14
Relative rib area fR	≥ 0.035	≥ 0.040	≥ 0.040	≥ 0.040	≥ 0.056
Relative rib area fR DIN 488	≥ 0.039	≥ 0.045	≥ 0.052	≥ 0.056	≥ 0.056