

Concrete Reinforcing EXO



Concrete Reinforcing Steel Bars in Coils

EPD[®]
THE INTERNATIONAL EPD[®] SYSTEM



TÜV
AUSTRIA
EN ISO 14001
EN ISO 45001

Technical Features

Concrete reinforcing steel bars in coils, of high strength and ductility, of certified qualities:

- **B500C, EL0T 1421-3** (Greek Standard)
- **S500W-C** (Israeli Standard)
- **B450C** (Italian Standard)
- **B500B, B500C** (Bulgarian Standard)
- **B500C, PC52, OB37** (Romanian Standard)
- **B500C, SK TP -23/0011** (Slovakian Standard)
- **B500C, MSZ 339** (Hungarian Standard)

The product is available in coils of diameters ranging from Ø8 up to Ø16mm.





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The innovative product 4R includes two additional longitudinal ribs, besides the two mandatory ones required by the regulation.

Advantages

The four total ribs provide the following advantages:

- Ensure superior bonding between steel and concrete.
- Provide geometrical symmetry on both horizontal and vertical axis.
- Ensures better handling behavior during the straightening and bending performed by automatic machines.

The end product maintains better geometrical characteristics and symmetry without the need for extra corrections or intervention.

Usage

- Reinforcing mesh
- Engineering mesh

MECHANICAL FEATURES

Standards	Yield Strength Re(N/mm ²)	Ratio Rm/Re	Ratio Re,act/Re,nom	Elongation at max load Agt(%)
ΕΛΟΤ 1421-3 B500C	≥500	≥ 1,15 ≤ 1,35	≤ 1,25	≥ 7,5

CHEMICAL PROPERTIES

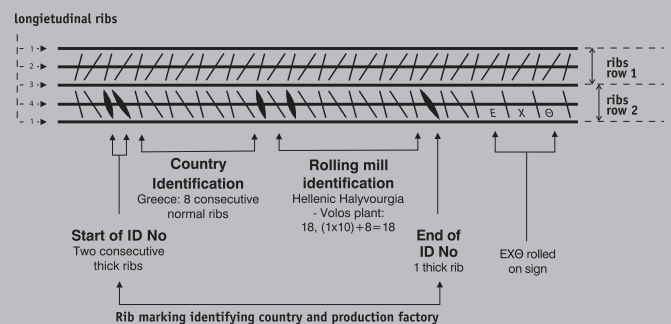
Chemical Analysis Wt% max	C: 0,24	P: 0,055	S: 0,055	N: 0,014	Ceq: 0,52
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DIAMETERS, WEIGHT & TOLERANCES

Nominal Diameter (mm)	Nominal cross section (mm ²)	Tolerances (%)	Nominal Weight (kg/m)
8	50,3	± 6	0,395
10	78,5	± 4,5	0,617
12	113,0	± 4,5	0,888
14	154,0	± 4,5	1,210
16	201,0	± 4,5	1,580

Typical coil weight: approx. 1500kg
Typical re-spooled coil weight: approx. 1500kg (max 1800kg)

Rib identity & easy recognition of "EXØ" high strength high ductility steel bar in coil



CROSS SECTION

