

Concrete Reinforcing Steel Bars EXΘ

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 **EPD**[®]
THE INTERNATIONAL EPD[®] SYSTEM



TÜV
AUSTRIA
EN ISO 14001
EN ISO 45001

Technical Features

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

- **B500C**, EL0T 1421-3 (Greek Standard)
- **S500W-C** (Israeli Standard)
- **B500B**, DIN 488 (German Standard)
- **B450C** (Italian Standard)
- **B500B**, **B500C** (Bulgarian Standard)
- **B500C**, **PC 52**, **OB37** (Romanian Standard)
- **B500C**, SK TP -23/0011 (Slovakian Standard)
- **B500C**, MSZ 339 (Hungarian Standard)

The product is available in bars of diameters ranging from $\varnothing 8$ up to $\varnothing 40$ mm and lengths of 12 and 14m. Other lengths are also available upon request.



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MECHANICAL FEATURES

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

CHEMICAL PROPERTIES

Chemical Analysis Wt% max	EAOT 1421-3 B500C	C 0,24	P 0,055	S 0,055	N 0,014	Ceq 0,52

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
18	254,0	± 4,5	2,000
20	314,0	± 4,5	2,470
22	380,0	± 4,5	2,980
25	491,0	± 4,5	3,850
28	616,0	± 4,5	4,830
32	804,0	± 4,5	6,310
40	1.257,0	± 4,5	9,860

Bundle weight: Approximately 2.300 kg

Rib identity & easy recognition of "EXΘ" high strength high ductility rebar

