

REINFORCING STEEL COIL

B500B | B550B | B500C



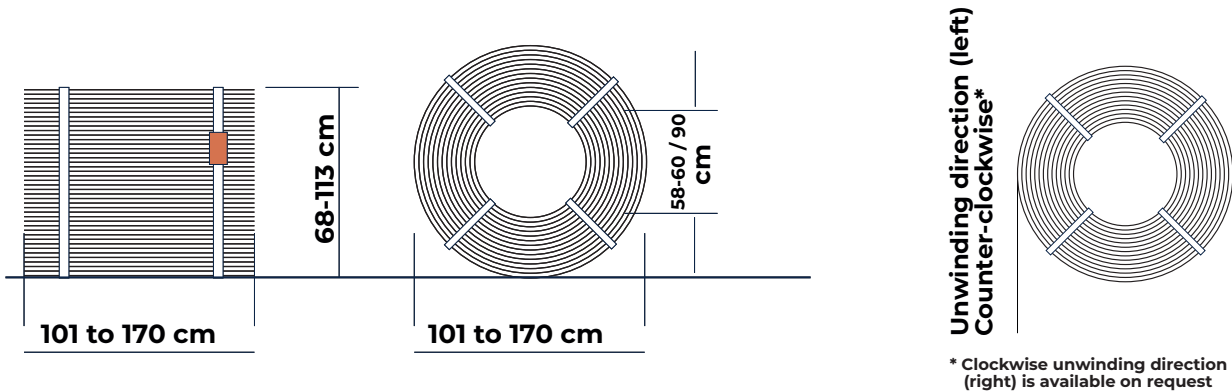
PRODUCT SPECIFICATION

| | |
|--|--|
| Grade | » B500B, B550B, B500C |
| Ductility | » High |
| Surface | » Ribbed |
| Diameter | » 6 to 25 mm |
| Fabricated | » According to national standard or approval |
| Availability | » From stock or from production |
| Certified for following countries | » A B CH CZ D DK F GB N NL PL S SK |

REINFORCING STEEL COIL

B500B | B550B | B500C

Coil size



Coil weights

| Coil weight | Diameter | External diameter | Internal diameter | Height |
|-------------|------------|-------------------|-------------------|------------|
| 2.000 kg | ∅ 6 mm | 101-103 cm | 58-60 cm | 68-70 cm |
| 2.500 kg | ∅ 8-10 mm | 107-114 cm | 58-60 cm | 68-70 cm |
| 3.000 kg | ∅ 8-10 mm | 114-120 cm | 58-60 cm | 68-70 cm |
| 5.000 kg | ∅ 8-10 mm | 124-132 cm | 58-60 cm | 90 cm |
| 2.500 kg | ∅ 12-16 mm | 107-114 cm | 58-60 cm | 68-70 cm |
| 3.000 kg | ∅ 12-16 mm | 114-120 cm | 58-60 cm | 68-70 cm |
| 5.000 kg | ∅ 12-16 mm | 124-132 cm | 58-60 cm | 90 cm |
| 8.300 kg | ∅ 12-16 mm | 160-170 cm | 90 cm | 110-113 cm |
| 5.000 kg | ∅ 18-25 mm | 140-150 cm | 90 cm | 90 cm |
| 8.300 kg | ∅ 18-25 mm | 160-164 cm | 90 cm | 110-113 cm |

All measurements are approximate.

Coil design

Compact spooled, stackable, securely handled with inner or outer coil lifter (crane or forklift).

REINFORCING STEEL COIL

B500B FOR GERMANY

Produced according to the national technical approval Z-1.2-260 from the DIBt for reinforcing steel coils with special TWR ribbing.

Physical values according to DIN 488 (quantile values)

| | |
|---|--|
| Yield point R_e | Min. 500 MPa |
| Tensile strength R_m | Min. 500 MPa |
| Ratio tensile strength/yield strength R_m/R_e | Min. 1.08 |
| Elongation at max. load A_{gt} | Min. 5% |
| Fatigue strength | 175 MPa |
| Weldable | ($C \leq 0.22\%$, $C_{eq} \leq 0.50$) |

Re-bendability

Suitable; observe the regulation of the DBV data sheet February 1991 about the re-bending of reinforcement steel.

Application

The processed (straightened/bent) reinforcing steel B500B with special ribbing "TWR" may be used under the same conditions as specified in the technical rules for buildings DIN EN 1992-1-1 for ribbed reinforcement steel B500B.