

Belfiber RD

belloli



Properties

- Fiberglass anchor with continuous thread
- Regular deformation when subject to bending
- Quick installation and easy handling thanks to their reduced weight
- In mines fiber anchors do not contaminate the minerals present
- Corrosion resistant
- Installation can be done either with resin⁽¹⁾ or with injection mortar⁽²⁾
- Anchors can be easily cut at any required length

Technical properties

| Parameters | Unit | BF-RD-18* | BF-RD-22 | BF-RD-25 | BF-RD-32 | BF-RD-38 | BF-RD-44* |
|--|----------------------|-----------|-----------|-----------|-------------|-------------|-------------|
| External diameter | [mm] | 18 | 22 | 25 | 32 | 38 | 44 |
| Section | [mm ²] | 214 | 330 | 434 | 731 | 1046 | 1418 |
| Elastic module | [N/mm ²] | 45000 | 45000 | 45000 | 45000 | 45000 | 45000 |
| Breaking load rod | [kN] | 170 | 265 | 350 | 585 | 835 | 1000 |
| Ultimate strength | [N/mm ²] | 800 | 800 | 800 | 800 | 750 | 750 |
| Torsion | [Nm] | 45 | 80 | 120 | 230 | 270 | 315 |
| Bending tension | [N/mm ²] | 400 | 400 | 400 | 400 | 400 | 400 |
| Breaking load thread (FRP nut / steel nut) | [kN] | 50 / - | 60 / 100 | 70 / 180 | 90 / 250 | 100 / 420 | 100 / 420 |
| Elongation | [%] | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Weight | [g/m] | 430 - 490 | 510 - 610 | 880 - 980 | 1500 - 1600 | 2200 - 2300 | 2950 - 3050 |

⁽¹⁾ We recommend the use of BELARS two component resin

⁽²⁾ For injection we recommend the use of Belcem mortar T and the use of Belcem pump 3012

* : on request

All above mentioned data can be subject to modification without prior notice

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