

ROCK BOLTS

HOLLOW SELF DRILLING BOLTS**Features**

- Installation using PUR or grout
- Installation for very poor ground
- Corrosion resistant
- Full test data available



| Technical Data | Unit | R25N | R32L | R32N | R32S | R38N | R51L | R51N | T76N | T76S |
|--|-------------------|---------------------|------|------|------|------|----------|-------|--------------------|--------|
| Outer Diameter | mm | 25 | 32 | 32 | 32 | 38 | 51 | 51 | 76 | 76 |
| Average Outer Diameter | mm | 23.8 | 29.8 | 29.8 | 29.8 | 36.9 | 49.3 | 49.3 | 73.5 | 73.5 |
| Average Inner Diameter | mm | 14 | 22 | 18.5 | 15 | 19 | 36 | 33 | 51 | 45 |
| Average Cross Sectional Area | mm ² | 290 | 340 | 430 | 520 | 770 | 890 | 1070 | 21.2 | 7250 |
| Ultimate Load* ¹ | kN | 200 | 220 | 280 | 280 | 500 | 550 | 800 | 1600 | 1900 |
| Yield Load* ¹ | kN | 150 | 180 | 230 | 280 | 400 | 450 | 630 | 1200 | 1500 |
| Average Tensile Strength* ¹ | N/mm ² | 690 | 650 | 650 | 690 | 650 | 620 | 750 | 750 | 690 |
| Average Yield Strength* ¹ | N/mm ² | 520 | 530 | 530 | 540 | 520 | 510 | 590 | 570 | 550 |
| Shear Strength (Yield) | N/mm ² | 300 | 310 | 310 | 310 | 300 | 290 | 340 | 330 | 310 |
| Average Section Modulus | cm ³ | 1.17 | 1.83 | 2.21 | 2.43 | 4.59 | 8.42 | 9.4 | 29.95 | 33.5 |
| Moment of Inertia | cm ³ | 1.39 | 2.72 | 3.3 | 3.62 | 8.46 | 20.75 | 23.18 | 110.05 | 123.13 |
| Weight | kg/m | 2.3 | 2.7 | 3.4 | 4.1 | 6.1 | 7 | 8.4 | 16.7 | 22 |
| Youngs Modulus Of Elasticity | N/mm ² | ~ 200,000 | | | | | | | | |
| Thread Standard | - | ISO 10208 | | | | | ISO 1720 | | T76 * ² | |
| Steel Grade | - | Acc. To. EN 10083-1 | | | | | | | | |
| Delivery Lengths | - | 1m, 2m, 3m, 4m, 6m | | | | | | | | |

***1 The Ultimate low and Yield Low capacity are measured values.
The Tensile-Yield strengths are calculated Average values**

***2 Internal Standard**