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R

Rock

B

Bolting

S

System

HIGH CAPACITY  
SELF DRILLING  
GROUND ANCHOR

## Barre auto perforanti Termic CE: caratteristiche tecniche

## Anchor rod Termic CE: technical details

| Rod Type<br>Ankertyp                                      |                 | R32x5,6<br>Standard CE                      | R32x7,2<br>Standard | R 32x5,2<br>Termic CE | R38x8,2<br>Standard   | R 38x5,2<br>Termic CE | R 38x7,1<br>Termic CE | R51x9,4<br>Standard | R 51x7<br>Termic CE | R 76x6,3<br>Termic CE  | R76x8,0<br>Termic CE | R76x10,0<br>Termic CE | R90x8<br>Termic CE   | R114x8<br>Termic CE  |
|---|-----------------|---|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|---------------------|------------------------|----------------------|-----------------------|----------------------|----------------------|
| CODE  |                 | RR03206S                                    | RR03207S            | RR03205T              | RR03808S              | RR03805T              | RR03807T              | RR05109S            | RR05107T            | RR07606T               | RR07608T             | RR07610T              | RR09008T             | RR11408T             |
| Rottura barra<br>Ultimate load ft                         | kN              | 300   | 400                 | 450                   | 600                   | 580                   | 700                   | 800                 | 1000                | 1400                   | 1800                 | 2200                  | 2000                 | 2600                 |
| Snervamento barra<br>Yeld point fy 0,2                    | kN              | 240   | 320                 | 380                   | 450                   | 480                   | 600                   | 630                 | 800                 | 1100                   | 1400                 | 1700                  | 1500                 | 1900                 |
| Allungamento Agt<br>Elongation Agt                        | %               | > 12,0                                      | > 15,0              | > 5,0                 | > 15,0                | > 5,0                 | > 5,0                 | > 15,0              | > 5,0               | > 5,0                  | > 5,0                | > 5,0                 | > 5,0                | > 5,0                |
| Diametro nominale<br>Outside diameter                     | mm              | 32,0  | 32,0                | 32,0                  | 38,0                  | 38,0                  | 38,0                  | 51,0                | 51,0                | 76,0                   | 76,0                 | 76,0                  | 90,0                 | 114,0                |
| Diametro esterno effettivo<br>Effective external diameter | mm              | 31,3  | 31,3                | 31,3                  | 38,0                  | 38,0                  | 38,0                  | 50,4                | 50,4                | 75,9                   | 75,9                 | 75,9                  | 88,3                 | 114,3                |
| Diametro interno<br>Internal diameter                     | mm              | 17,0  | 14,0                | 18,0                  | 18,5                  | 25,0                  | 20,5                  | 19,0                | 37,0                | 64,0                   | 60,0                 | 56,0                  | 71,2                 | 95,5                 |
| Spessore<br>Thickness                                     | mm              | 5,6   | 7,2                 | 5,2                   | 8,2                   | 5,2                   | 7,1                   | 9,4                 | 7,1                 | 6,3                    | 8,0                  | 10,0                  | 8,0                  | 8,0                  |
| Sezione media<br>Average cross section                    | mm <sup>2</sup> | 450   | 530                 | 430                   | 750                   | 530                   | 680                   | 1150                | 950                 | 1300                   | 1690                 | 2050                  | 1950                 | 2550                 |
| Peso<br>Weight  | kg/mt           | 3,5   | 4,2                 | 3,3                   | 6,2                   | 4,2                   | 5,5                   | 9,4                 | 7,5                 | 10,8                   | 13,5                 | 16,3                  | 16,0                 | 21,0                 |
| Rottura R<br>Tensile Strenght R                           | Mpa             | > 550                                       | > 630               | > 1100                | > 630                 | > 1100                | > 1100                | > 630               | > 1100              | > 1100                 | > 1100               | > 1100                | > 1100               | > 1100               |
| Snervamento Reh<br>Yeld Stress Reh                        | MPa             | > 370                                       | > 345               | > 900                 | > 345                 | > 900                 | > 900                 | > 345               | > 900               | > 900                  | > 900                | > 900                 | > 900                | > 900                |
| Allungamento<br>Elongation                                | %               | > 15,0                                      | > 17,0              | > 5,0                 | > 17,0                | > 5,0                 | > 5,0                 | > 17,0              | > 5,0               | > 5,0                  | > 5,0                | > 5,0                 | > 5,0                | > 5,0                |
| Thread type   |                 | R 32 Left hand thread                       |                     |                       | R 38 Left hand thread |                       |                       | R 51 Left thread    |                     | ARCO Right hand thread |                      |                       | ARCO<br>Right thread | ARCO<br>Right thread |
| N° rods / bundle  | N°              | 50  |                     |                       | 50                    |                       |                       | 50                  |                     | 24                     |                      |                       | 24                   | 19                   |
| Available lenghts   | mt              | 1, 2, 3, 4, 6, 12 (other lenght on request) |                     |                       |                       |                       |                       |                     |                     |                        |                      |                       |                      |                      |

I filetti tipo R32/R38/R51 sono realizzati secondo gli standard ISO internazionali - I filetti tipo R76/R90/R114 secondo lo standard interno ARCO

R32/R38/R51 thread made according to international ISO standard - R76/R90/R114 thread made according to factory ARCO standard

Le estremità di tutte le barre RBS sono tornite a 90° per garantire la trasmissione ottimale dell'energia di percussione e smussate a 45° per favorirne l'avvitamento

Ends of all bars are lathed by 90° degree so as to ensure an optimal transmission of the percussive energy and bevelled by 45° to easy the spinning path

Ci riserviamo il diritto di modificare il disegno le dimensioni ed i pesi dei nostri prodotti senza preavviso

We reserve the right to modify the design, dimensions and weights of our products with