

**PRODUCT OMSCHRIJVING**

De X-PRO 500 serie is een epoxy injectiemortel-systeem, ideaal voor alle extreem zware constructieve verankeringen in zowel hamer-, perslucht als diamant geboorde gaten. Deze krachtpatser komt daarnaast optimaal tot zijn recht in de minst gunstigste ondergronden.

Verlijm draadeinden en betonijzer in gescheurd en ongescheurd beton op zeer geringe plaatsingsdieptes met maximale resultaten. Dit bevestigt de hoogwaardige hechtsterkte van deze X-PRO 500 SERIE.

De 300ml uitvoering verwerkt u met een standaard kitpistool. Voor het verlijmen van grotere series draadstangen of betonijzer is de 1400ml koker een ideale oplossing.

**ONDERGROND**

- ✓ Gescheurd beton
- ✓ Ongescheurd beton
- ✓ Volle steen (metselwerk)
- ✓ Asfalt

**OMGEVING**

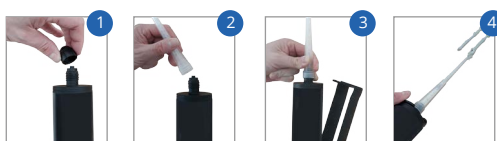
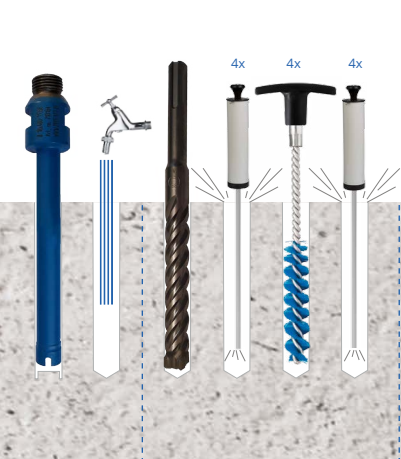
- ✓ Gecertificeerd voor niet-geventileerde ruimtes (A+)
- ✓ Styreenvrij en reukarm
- ✓ Verwerkbaar vanaf +5°C tot +40°C
- ✓ Opslag- en transporttemp. min/max: +5°C / +25°C
- ✓ Restmateriaal kan in de standaard afvalcontainer
- ✓ Repareren van scheuren in beton of steen
- ✓ Gebruiks-temperatuurbereik -40°C tot +80°C
- ✓ Beschermen van openliggend betonijzer in het beton

**BOORGAT CONDITIES**

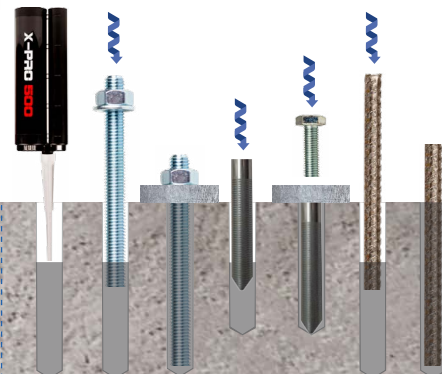
- ✓ Droog, nat, waterverzadigd en onderwater
- ✓ Horizontale en bovenhoofdse toepassingen
- ✓ Hamer- en perslucht geboorde boorgaten
- ✓ Diamantgeboorde boorgaten

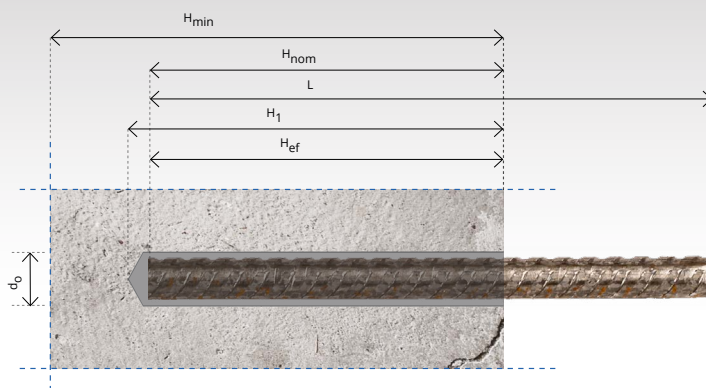
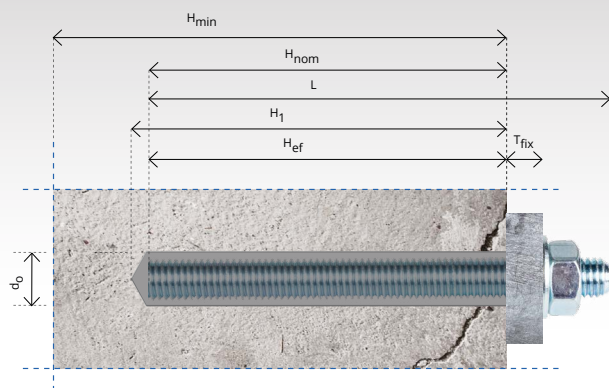
**VERWERKING**

- ✓ Draadeinden en betonijzer
- ✓ Ankerhulzen
- ✓ Extreem korte inboordieptes
- ✓ Gebruiks-temperatuurbereik -40°C tot +80°C
- ✓ Betonijzer verlijmen tot 2 meter diepte
- ✓ Uitgebreid assortiment verwerkingstoebehoren
- ✓ 24 maanden houdbaar

**X-PRO 500**

- 1 Draai de schroefdop van de koker.
- 2 Schroef de meegeleverde mixer op de koker.
- 3 Plaats de koker in de mortelspuit.
- 4 Spuit 2 stroken mortel uit, alvorens het werk aan te vangen.





### INSTALLATIEGEGEVENS: DRAADSTANGEN IN BETON, HOLLE - EN VOLLE STEEN

|     | <div>Boordiameter</div>                                                           |                                                                                   |                                                                                   |                | <div>Min. boordiepte</div>                                                        |                                                                                   |                                                                                   | <div>Borsteldiameter</div>                                                        |                                                                                   |                                                                                   | <div>Doorvoerdiameter</div>                                                       |                                                                                   |                                                                                   | <div>Min. plaatsingsdiepte</div>                                                  |                                                                                   |                                                                                   | <div>Aandraaimoment</div>                                                         |                                                                                   |                                                                                   | <div>Min. dikte basismateriaal</div>                                              |                                                                                     |                                                                                     | <div>Min. hoh-afstand</div>                                                         |                                                                                     |                                                                                     | <div>Min. randafstand</div>                                                         |                                                                                     |                                                                                     | <div>Rekenwaarde trek- en afschuifrichting</div>                                                                                                                        |                  |             | <div>Toenamefactor betonsterkte</div> |                                                                                                                                                                                                                                                                             |
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|     |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                  |             |                                       |                                                                                                                                                                                                                                                                             |
|     | Do [mm]                                                                           |                                                                                   |                                                                                   |                | H1 [mm]                                                                           |                                                                                   |                                                                                   | Db [mm]                                                                           |                                                                                   |                                                                                   | Df [mm]                                                                           |                                                                                   |                                                                                   | Hef [mm]                                                                          |                                                                                   |                                                                                   | Tinst [Nm]                                                                        |                                                                                   |                                                                                   | Hmin [mm]                                                                         |                                                                                     |                                                                                     | Smin [mm]                                                                           |                                                                                     |                                                                                     | Cmin [mm]                                                                           |                                                                                     |                                                                                     | Nrd + Vrd                                                                                                                                                               |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M8  | 10                                                                                | 12                                                                                | 10                                                                                |                | 65                                                                                | 65                                                                                | 65                                                                                | 12                                                                                | 14                                                                                | 12                                                                                | 9                                                                                 | 9                                                                                 | 9                                                                                 | 60                                                                                | 60                                                                                | 60                                                                                | 10                                                                                | 2                                                                                 | 2                                                                                 | Hef + 30mm<br>of<br>≥ 100                                                         | 40                                                                                  |                                                                                     |                                                                                     | 35                                                                                  | 40                                                                                  | 40                                                                                  | 40                                                                                  | 35                                                                                  | 40                                                                                                                                                                      | zie reketabellen | 1.8         | 0.7                                   | Gescheurd<br>beton<br><br>C25/30 - 1.02<br>C30/37 - 1.04<br>C35/48 - 1.06<br>C40/50 - 1.07<br>C45/55 - 1.08<br>C50/60 - 1.09<br><br>-----<br>Ongescheurd<br>beton<br><br>C25/30 - 1.02<br>C30/37 - 1.04<br>C35/48 - 1.06<br>C40/50 - 1.07<br>C45/55 - 1.08<br>C50/60 - 1.09 |
| M10 | 12                                                                                | 15                                                                                | 12                                                                                |                | 65                                                                                | 75                                                                                | 65                                                                                | 14                                                                                | 18                                                                                | 14                                                                                | 12                                                                                | 12                                                                                | 12                                                                                | 60                                                                                | 70                                                                                | 60                                                                                | 20                                                                                | 2                                                                                 | 2                                                                                 |                                                                                   | 40                                                                                  |                                                                                     |                                                                                     | 40                                                                                  | 40                                                                                  | 40                                                                                  | 40                                                                                  | 40                                                                                  | 2.0                                                                                                                                                                     |                  | 1.0         |                                       |                                                                                                                                                                                                                                                                             |
| M12 | 14                                                                                | 15                                                                                | 14                                                                                |                | 75                                                                                | 85                                                                                | 75                                                                                | 16                                                                                | 18                                                                                | 16                                                                                | 14                                                                                | 14                                                                                | 14                                                                                | 70                                                                                | 80                                                                                | 70                                                                                | 40                                                                                | 2                                                                                 | 2                                                                                 |                                                                                   | 40                                                                                  |                                                                                     |                                                                                     | 50                                                                                  | 40                                                                                  | 40                                                                                  | 50                                                                                  | 40                                                                                  | 2.5                                                                                                                                                                     |                  | 1.2         |                                       |                                                                                                                                                                                                                                                                             |
| M14 | 16                                                                                | 20                                                                                | 16                                                                                |                | 75                                                                                | 95                                                                                | 75                                                                                | 18                                                                                | 24                                                                                | 18                                                                                | 16                                                                                | 16                                                                                | 16                                                                                | 70                                                                                | 90                                                                                | 70                                                                                | 60                                                                                | 2                                                                                 | 2                                                                                 |                                                                                   | 40                                                                                  |                                                                                     |                                                                                     | 60                                                                                  | 40                                                                                  | 40                                                                                  | 60                                                                                  | 40                                                                                  |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M16 | 18                                                                                | 20                                                                                | 18                                                                                |                | 85                                                                                | 105                                                                               | 85                                                                                | 20                                                                                | 24                                                                                | 20                                                                                | 18                                                                                | 18                                                                                | 18                                                                                | 80                                                                                | 100                                                                               | 80                                                                                | 80                                                                                | 2                                                                                 | 2                                                                                 |                                                                                   | 40                                                                                  |                                                                                     |                                                                                     | 65                                                                                  | 40                                                                                  | 40                                                                                  | 65                                                                                  | 40                                                                                  |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M18 | 20                                                                                |                                                                                   |                                                                                   |                | 85                                                                                |                                                                                   |                                                                                   | 22                                                                                |                                                                                   |                                                                                   | 20                                                                                |                                                                                   |                                                                                   | 80                                                                                |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   | Hef +<br>2x Do                                                                    | 40                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 40                                                                                  |                                                                                     |                                                                                     | zie reketabellen                                                                                                                                                        | op aanvraag      | op aanvraag |                                       |                                                                                                                                                                                                                                                                             |
| M20 | 24                                                                                |                                                                                   |                                                                                   |                | 95                                                                                |                                                                                   |                                                                                   | 26                                                                                |                                                                                   |                                                                                   | 22                                                                                |                                                                                   |                                                                                   | 90                                                                                |                                                                                   |                                                                                   | 130                                                                               |                                                                                   |                                                                                   |                                                                                   | 50                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 50                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M22 | 26                                                                                |                                                                                   |                                                                                   |                | 95                                                                                |                                                                                   |                                                                                   | 28                                                                                |                                                                                   |                                                                                   | 24                                                                                |                                                                                   |                                                                                   | 90                                                                                |                                                                                   |                                                                                   | 160                                                                               |                                                                                   |                                                                                   |                                                                                   | 50                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 50                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M24 | 28                                                                                |                                                                                   |                                                                                   |                | 101                                                                               |                                                                                   |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 26                                                                                |                                                                                   |                                                                                   | 96                                                                                |                                                                                   |                                                                                   | 200                                                                               |                                                                                   |                                                                                   |                                                                                   | 50                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 50                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M27 | 32                                                                                |                                                                                   |                                                                                   | Op<br>aanvraag | 113                                                                               |                                                                                   | Op<br>aanvraag                                                                    | 34                                                                                |                                                                                   | Op<br>aanvraag                                                                    | 30                                                                                |                                                                                   |                                                                                   | 108                                                                               |                                                                                   | Op<br>aanvraag                                                                    | 240                                                                               |                                                                                   | Op<br>aanvraag                                                                    |                                                                                   | 50                                                                                  |                                                                                     |                                                                                     |                                                                                     | Op<br>aanvraag                                                                      | 50                                                                                  |                                                                                     | Op<br>aanvraag                                                                      |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M30 | 35                                                                                |                                                                                   |                                                                                   |                | 125                                                                               |                                                                                   |                                                                                   | 37                                                                                |                                                                                   |                                                                                   | 33                                                                                |                                                                                   |                                                                                   | 120                                                                               |                                                                                   |                                                                                   | 280                                                                               |                                                                                   |                                                                                   |                                                                                   | 60                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 60                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M33 | 38                                                                                |                                                                                   |                                                                                   |                | 137                                                                               |                                                                                   |                                                                                   | 40                                                                                |                                                                                   |                                                                                   | 36                                                                                |                                                                                   |                                                                                   | 132                                                                               |                                                                                   |                                                                                   | 320                                                                               |                                                                                   |                                                                                   |                                                                                   | 60                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 60                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M36 | 42                                                                                |                                                                                   |                                                                                   |                | 149                                                                               |                                                                                   |                                                                                   | 44                                                                                |                                                                                   |                                                                                   | 39                                                                                |                                                                                   |                                                                                   | 144                                                                               |                                                                                   |                                                                                   | 340                                                                               |                                                                                   |                                                                                   |                                                                                   | 60                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 60                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M39 | 46                                                                                |                                                                                   |                                                                                   |                | 161                                                                               |                                                                                   |                                                                                   | 48                                                                                |                                                                                   |                                                                                   | 42                                                                                |                                                                                   |                                                                                   | 156                                                                               |                                                                                   |                                                                                   | 360                                                                               |                                                                                   |                                                                                   |                                                                                   | 80                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 80                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M42 | 50                                                                                |                                                                                   |                                                                                   |                | 173                                                                               |                                                                                   |                                                                                   | 52                                                                                |                                                                                   |                                                                                   | 45                                                                                |                                                                                   |                                                                                   | 168                                                                               |                                                                                   |                                                                                   | 380                                                                               |                                                                                   |                                                                                   |                                                                                   | 80                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 80                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |
| M45 | 54                                                                                |                                                                                   |                                                                                   |                | 185                                                                               |                                                                                   |                                                                                   | 56                                                                                |                                                                                   |                                                                                   | 48                                                                                |                                                                                   |                                                                                   | 180                                                                               |                                                                                   |                                                                                   | 400                                                                               |                                                                                   |                                                                                   |                                                                                   | 80                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 80                                                                                  |                                                                                     |                                                                                     |                                                                                                                                                                         |                  |             |                                       |                                                                                                                                                                                                                                                                             |

### INSTALLATIEGEGEVENS: BETONIJZER IN BETON EN VOLLE STEEN

|     |  |   |    |  |   |     |  |   |    |  |     |   |  |     |   |  |                           |    |  |    |    |  |    |                  |  |     |                                                                                                                                               |  |  |  |  |  |  |  |  |  |
|-----|-------------------------------------------------------------------------------------|---|----|-------------------------------------------------------------------------------------|---|-----|-------------------------------------------------------------------------------------|---|----|-------------------------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------------------|---------------------------|----|-------------------------------------------------------------------------------------|----|----|-------------------------------------------------------------------------------------|----|------------------|---------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|--|--|
|     | Do [mm]                                                                             |   |    | H1 [mm]                                                                             |   |     | Db [mm]                                                                             |   |    | Df [mm]                                                                             |     |   | Hef [mm]                                                                            |     |   | Tinst [Nm]                                                                          |                           |    | Hmin [mm]                                                                           |    |    | Smin [mm]                                                                           |    |                  | Cmin [mm]                                                                             |     |                                                                                                                                               | Nrd + Vrd                                                                             |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø8  | 12                                                                                  | - | 12 | 65                                                                                  | - | 65  | 14                                                                                  | - | 14 | N.V.T.                                                                              | 60  | - | 60                                                                                  | 10  | - | 10                                                                                  | Hef + 30mm<br>of<br>≥ 100 | 40 | -                                                                                   | 40 | 40 | -                                                                                   | 40 | zie reketabellen | -                                                                                     | 1.0 | Gescheurd<br>en<br>Ongescheurd<br>beton<br>C25/30 - 1.02<br>C30/37 - 1.04<br>C35/48 - 1.06<br>C40/50 - 1.07<br>C45/55 - 1.08<br>C50/60 - 1.09 | op aanvraag                                                                           |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø10 | 14                                                                                  | - | 14 | 65                                                                                  | - | 65  | 16                                                                                  | - | 16 |                                                                                     | 60  | - | 60                                                                                  | 20  | - | 20                                                                                  |                           | 40 | -                                                                                   | 40 | 40 | -                                                                                   | 40 |                  | -                                                                                     | 1.2 |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø12 | 16                                                                                  | - | 16 | 75                                                                                  | - | 75  | 18                                                                                  | - | 18 |                                                                                     | 70  | - | 70                                                                                  | 40  | - | 40                                                                                  |                           | 40 | -                                                                                   | 40 | 40 | -                                                                                   | 40 |                  | -                                                                                     | 1.5 |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø14 | 18                                                                                  | - | 18 | 75                                                                                  | - | 75  | 20                                                                                  | - | 20 |                                                                                     | 70  | - | 70                                                                                  | 60  | - | 60                                                                                  |                           | 40 | -                                                                                   | 40 | 40 | -                                                                                   | 40 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø16 | 20                                                                                  | - | 20 | 85                                                                                  | - | 85  | 22                                                                                  | - | 22 |                                                                                     | 80  | - | 80                                                                                  | 80  | - | 80                                                                                  | Hef<br>+<br>2x Do         | 40 | -                                                                                   | 40 | 40 | -                                                                                   | 40 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø20 | 25                                                                                  | - | 25 | 95                                                                                  | - | 95  | 27                                                                                  | - | 27 |                                                                                     | 90  | - | 90                                                                                  | 120 | - | 120                                                                                 |                           | 50 | -                                                                                   | 50 | 50 | -                                                                                   | 50 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø25 | 32                                                                                  | - | 32 | 105                                                                                 | - | 105 | 35                                                                                  | - | 35 |                                                                                     | 100 | - | 100                                                                                 | 180 | - | 180                                                                                 |                           | 50 | -                                                                                   | 50 | 50 | -                                                                                   | 50 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø28 | 35                                                                                  | - | 35 | 133                                                                                 | - | 133 | 37                                                                                  | - | 37 |                                                                                     | 112 | - | 112                                                                                 | 190 | - | 190                                                                                 |                           | 50 | -                                                                                   | 50 | 50 | -                                                                                   | 50 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø32 | 40                                                                                  | - | 40 | 133                                                                                 | - | 133 | 42                                                                                  | - | 42 |                                                                                     | 128 | - | 128                                                                                 | 200 | - | 200                                                                                 |                           | 70 | -                                                                                   | 70 | 70 | -                                                                                   | 70 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |
| Ø40 | 48                                                                                  | - | 48 | 165                                                                                 | - | 165 | 50                                                                                  | - | 50 |                                                                                     | 160 | - | 160                                                                                 | 220 | - | 220                                                                                 |                           | 70 | -                                                                                   | 70 | 70 | -                                                                                   | 70 |                  | -                                                                                     |     |                                                                                                                                               |                                                                                       |  |  |                                                                                       |  |  |                                                                                       |  |  |

### VERWERKINGS (GEL)- EN UITHARDINGSTIJDEN (SET)

| Ondergrond temperatuur | Verwerkingstijd (gel) - min | Uithardingstijd (set) - uren |
|------------------------|-----------------------------|------------------------------|
| 5°C tot 9°C            | 150                         | 24                           |
| 10°C tot 14°C          | 40                          | 18                           |
| 15°C tot 19°C          | 25                          | 12                           |
| 20°C tot 24°C          | 18                          | 8                            |
| 25°C tot 29°C          | 12                          | 6                            |
| 30°C tot 34°C          | 8                           | 4                            |
| 35°C tot 39°C          | 6                           | 2                            |

Ook bij waterverzadigde boorgaten en bij onderwater-toepassingen blijven bovenstaande tijden van toepassing. (Kokertemperatuur minimaal 10°C)