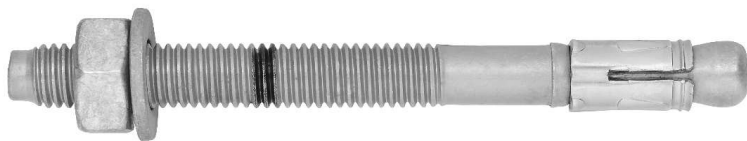


## S-KAK(+)



Thermisch verzinkt EN ISO 10684,  $t \geq 50 \mu\text{m}$



ETA-16/0934 (Optie1)

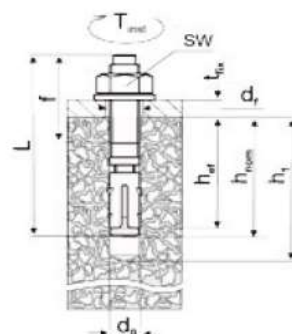
## Kenmerken

- Moment gecontroleerde anker.
- Doorsteeksteekmontage.
- Uitstekende installatiecapaciteit op ongescheurd beton in de drukzone.
- De bevestigingsclip zet gelijkmatig uit in het gat, wat uitstekende uittrekwaarden mogelijk maakt.
- Stompe kegel verbetert het inbrengen van de doorsteekanker.
- De taps toelopende schacht aan de kopse kant maakt het mogelijk om de doorsteekanker met een hamer te installeren zonder de draad te beschadigen.

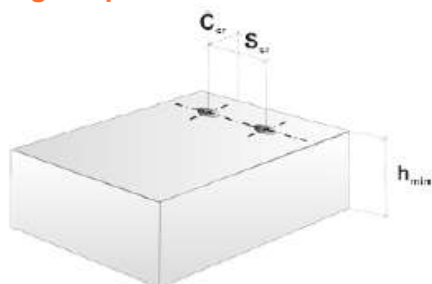
## Toepassingen

- Stalen constructies
- Poorten
- Hekwerk
- Zonwering
- Balustrades
- Montage van van rails
- Trappen
- Leuningen
- Kabeldragende constructies
- Machines
- Wenteltrappen
- Gevelconstructies
- Stalen profielen
- Magazijnstellingen

## Installatieparameters



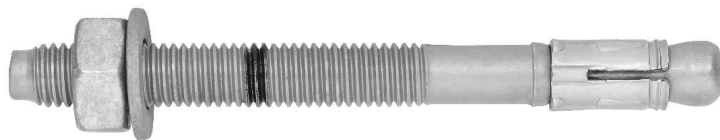
## Montagediepte en afstanden



$h_{\min}$  = minimale beton dikte  
 $s_{cr}$  = minimale hart op hart afstand  
 $C_{cr}$  = minimale randafstand

|            | M6     | M8      | M10      | M12      | M16 | M20 |
|------------|--------|---------|----------|----------|-----|-----|
|            | mm     | mm      | mm       | mm       | mm  | mm  |
| $h_{\min}$ | 80     | (80)100 | (100)120 | (100)140 | 170 | 180 |
| $s_{cr}$   | (40)50 | (35)55  | (40)55   | (55)60   | 65  | 400 |
| $C_{cr}$   | (40)50 | 40      | 50       | (55)60   | 65  | 300 |

## Doorsteekanker S-KAK(+)



### Assortiment en verpakking

| Artikelnummer | Omschrijving                          | Verpakkingseenheden<br>doos | Verpakkingseenheden<br>overdoos |
|---------------|---------------------------------------|-----------------------------|---------------------------------|
| 11041006040   | Doorsteekanker S-KAK M6x40/2*         | 150                         | 750                             |
| 11041006065   | Doorsteekanker S-KAK M6x65/15*        | 100                         | 500                             |
| 11041006100   | Doorsteekanker S-KAK M6x100/50*       | 100                         | 500                             |
| 11041008057   | Doorsteekanker S-KAK+ M8x57/(5)-      | 50                          | 250                             |
| 11041008075   | Doorsteekanker S-KAK+ M8x75/(23)10    | 50                          | 250                             |
| 11041008095   | Doorsteekanker S-KAK+ M8x95/(43)30    | 50                          | 250                             |
| 11041008115   | Doorsteekanker S-KAK+ M8x115/(63)50   | 40                          | 200                             |
| 11041008150   | Doorsteekanker S-KAK+ M8x150/(98)85   | 40                          | 200                             |
| 11041010072   | Doorsteekanker S-KAK+ M10x72/(10)-    | 40                          | 200                             |
| 11041010092   | Doorsteekanker S-KAK+ M10x92/(30)10   | 40                          | 200                             |
| 11041010102   | Doorsteekanker S-KAK+ M10x102/(40)20  | 25                          | 125                             |
| 11041010112   | Doorsteekanker S-KAK+ M10x112/(50)30  | 25                          | 125                             |
| 11041010132   | Doorsteekanker S-KAK+ M10x132/(70)50  | 25                          | 125                             |
| 11041010162   | Doorsteekanker S-KAK+ M10x162/(100)80 | 25                          | 125                             |
| 11041012088   | Doorsteekanker S-KAK+ M12x88/(10)-    | 20                          | 100                             |
| 11041012103   | Doorsteekanker S-KAK+ M12x103/(25)5   | 20                          | 100                             |
| 11041012118   | Doorsteekanker S-KAK+ M12x118/(40)20  | 20                          | 100                             |
| 11041012128   | Doorsteekanker S-KAK+ M12x128/(50)30  | 20                          | 100                             |
| 11041012148   | Doorsteekanker S-KAK+ M12x148/(70)50  | 20                          | 100                             |
| 11041012163   | Doorsteekanker S-KAK+ M12x163/(85)65  | 20                          | 100                             |
| 11041012178   | Doorsteekanker S-KAK+ M12x178/(100)80 | 20                          | 100                             |
| 11041012253   | Doorsteekanker S-KAK M12x253/155*     | 10                          | 50                              |
| 11041016090   | Doorsteekanker S-KAK M16x90/3*        | 10                          | 50                              |
| 11041016123   | Doorsteekanker S-KAK+ M16x123/5       | 10                          | 50                              |
| 11041016138   | Doorsteekanker S-KAK+ M16x138/20      | 10                          | 50                              |
| 11041016168   | Doorsteekanker S-KAK+ M16x168/50      | 10                          | 50                              |
| 11041016178   | Doorsteekanker S-KAK+ M16x178/60      | 10                          | 50                              |
| 11041016213   | Doorsteekanker S-KAK M16x213/95*      | 5                           | 25                              |
| 11041020170   | Doorsteekanker S-KAK M20x170/20*      | 5                           | 25                              |
| 11041020220   | Doorsteekanker S-KAK M20x220/70*      | 5                           | 25                              |
| 11041020280   | Doorsteekanker S-KAK M20x280/130*     | 5                           | 25                              |

\* Behoort niet tot ETA

## Installatieparameters en capaciteiten

| S-KAK(+)        | Technische details |     |                |    |                  |                      |                |                  |                 |                   | Aanbevolen belastingen       |                 |
|-----------------|--------------------|-----|----------------|----|------------------|----------------------|----------------|------------------|-----------------|-------------------|------------------------------|-----------------|
|                 | Anker details      |     |                |    |                  | Installatie gegevens |                |                  |                 |                   | Niet gescheurd beton C20/C25 |                 |
|                 | Afmeting           | L   | d <sub>f</sub> | SW | t <sub>fix</sub> | d <sub>0</sub>       | h <sub>1</sub> | h <sub>nom</sub> | h <sub>ef</sub> | T <sub>inst</sub> | Trek                         | Schuif          |
|                 | mm                 | mm  | mm             | mm | mm               | mm                   | mm             | mm               | mm              | Nm                | N <sub>sk</sub>              | V <sub>sk</sub> |
| M6x40/2*        | M6                 | 40  | 7              | 10 | 2                | 6                    | 35             | 30               | 25              | 7                 | 1,0                          | 2,0             |
| M6x65/15*       | M6                 | 65  | 7              | 10 | 15               | 6                    | 50             | 40               | 35              | 7                 | 1,7                          | 2,5             |
| M6x100/50*      | M6                 | 100 | 7              | 10 | 50               | 6                    | 50             | 40               | 35              | 7                 | 1,7                          | 2,5             |
| M8x57/(5)-      | M8                 | 57  | 9              | 13 | (5)-             | 8                    | (47)60         | (40)53           | (35)48          | 15                | (3,8)5,2                     | 7,2             |
| M8x75/(23)10    | M8                 | 75  | 9              | 13 | (23)10           | 8                    | (47)60         | (40)53           | (35)48          | 15                | (3,8)5,2                     | 7,2             |
| M8x95/(43)30    | M8                 | 95  | 9              | 13 | (43)30           | 8                    | (47)60         | (40)53           | (35)48          | 15                | (3,8)5,2                     | 7,2             |
| M8x115/(63)50   | M8                 | 115 | 9              | 13 | (63)50           | 8                    | (47)60         | (40)53           | (35)48          | 15                | (3,8)5,2                     | 7,2             |
| M8x150/(98)85   | M8                 | 150 | 9              | 13 | (98)85           | 8                    | (47)60         | (40)53           | (35)48          | 15                | (3,8)5,2                     | 7,2             |
| M10x72/(10)-    | M8                 | 72  | 9              | 13 | (10)-            | 8                    | (47)60         | (40)53           | (35)48          | 30                | (5,7)9,0                     | 11,7            |
| M10x92/(30)10   | M10                | 92  | 12             | 17 | (30)10           | 10                   | (55)75         | (48)68           | (40)60          | 30                | (5,7)9,0                     | 11,7            |
| M10x102/(40)20  | M10                | 102 | 12             | 17 | (40)20           | 10                   | (55)75         | (48)68           | (40)60          | 30                | (5,7)9,0                     | 11,7            |
| M10x112/(50)30  | M10                | 112 | 12             | 17 | (50)30           | 10                   | (55)75         | (48)68           | (40)60          | 30                | (5,7)9,0                     | 11,7            |
| M10x132/(70)50  | M10                | 132 | 12             | 17 | (70)50           | 10                   | (55)75         | (48)68           | (40)60          | 30                | (5,7)9,0                     | 11,7            |
| M10x162/(100)80 | M10                | 162 | 12             | 17 | (100)80          | 10                   | (55)75         | (48)68           | (40)60          | 30                | (5,7)9,0                     | 11,7            |
| M12x88/(10)-    | M12                | 88  | 14             | 19 | (10)-            | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x103/(25)5   | M12                | 103 | 14             | 19 | (25)5            | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x118/(40)20  | M12                | 118 | 14             | 19 | (40)20           | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x128/(50)30  | M12                | 128 | 14             | 19 | (50)30           | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x148/(70)50  | M12                | 148 | 14             | 19 | (70)50           | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x163/(85)65  | M12                | 163 | 14             | 19 | (85)65           | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x178/(100)80 | M12                | 178 | 14             | 19 | (100)80          | 12                   | (70)90         | (61)81           | (50)70          | 60                | (8,3)11,9                    | 17,1            |
| M12x253/155*    | M12                | 253 | 14             | 19 | 155              | 12                   | 90             | 81               | 70              | 50                | 6,4                          | 6,4             |
| M16x90/3*       | M16                | 90  | 18             | 24 | 3                | 16                   | 80             | 70               | 60              | 120               | 9,9                          | 11,2            |
| M16x123/5       | M16                | 123 | 18             | 24 | 5                | 16                   | 110            | 97               | 85              | 110               | 17,1                         | 30,9            |
| M16x138/20      | M16                | 138 | 18             | 24 | 20               | 16                   | 110            | 97               | 85              | 110               | 17,1                         | 30,9            |
| M16x168/50      | M16                | 168 | 18             | 24 | 50               | 16                   | 110            | 97               | 85              | 110               | 17,1                         | 30,9            |
| M16x178/60      | M16                | 178 | 18             | 24 | 60               | 16                   | 110            | 97               | 85              | 110               | 17,1                         | 30,9            |
| M16x213/95*     | M16                | 213 | 18             | 24 | 95               | 16                   | 110            | 97               | 85              | 120               | 17,1                         | 30,9            |
| M20x170/20*     | M20                | 170 | 22             | 30 | 20               | 20                   | 135            | 125              | 110             | 240               | 19,8                         | 26              |
| M20x220/70*     | M20                | 220 | 22             | 30 | 70               | 20                   | 135            | 125              | 110             | 240               | 19,8                         | 26              |
| M20x280/130*    | M20                | 280 | 22             | 30 | 130              | 20                   | 135            | 125              | 110             | 240               | 19,8                         | 26              |

\* Behoort niet tot ETA