

TSS

## Nylon søm dybel undersænket krave

TSS søm dybel med undersænket krave i Ø5, Ø6 og Ø8 mm er godkendt til fastgørelser i beton. Når sømskrue slås i, udvider dyblen sig og skaber en sikker forankring i betonen.

## Egenskaber

### Materiale

- Dybel: grå nylon
- Skrue: elforzinket

### Fordele

- Undersænket hoved
- Innovativ geometri

## Anvendelse

### Anvendelsesområder

- Træribber
- Elektriske komponenter
- Fodlister

### Egnet til

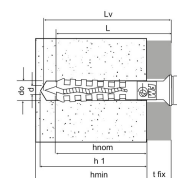
- Urevnet beton
- Massive mursten
- Hulsten (delvist egnet)
- Letvægts hulsten (delvist egnet)
- Letklinker beton (delvist egnet)
- Letbeton (delvist egnet)
- Sten



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## Teknisk data



## Product Dimensions

| Art. nr.      | Product Reference | Hole diameter x anchor length [d <sub>o</sub> xL] [mm] | Fixture thickness [t <sub>fix</sub> ] [mm] | Min. hole depth [h <sub>1</sub> ] [mm] | Nominal embedment depth [h <sub>nom</sub> ] [mm] | Min. support thickness [h <sub>min</sub> ] [mm] | Screw diameter [d] [mm] | Screw length [L <sub>v</sub> ] [mm] | Collar diameter [d <sub>c</sub> ] [mm] | Qty per box | Qty per outer box | V |
|---------------|-------------------|--------------------------------------------------------|--------------------------------------------|----------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------|-------------------------------------|----------------------------------------|-------------|-------------------|---|
| 62200B0503000 | TSS               | Ø5x30*                                                 | 5                                          | 35                                     | 25                                               | 50                                              | 3.4                     | 35                                  | 8.5                                    | 300         | 3000              | 0 |
| 62200B0504000 |                   | Ø5x40*                                                 | 15                                         | 35                                     | 25                                               | 50                                              | 3.4                     | 45                                  | 8.5                                    | 200         | 2000              | 0 |
| 62200B0505000 |                   | Ø5x50*                                                 | 25                                         | 35                                     | 25                                               | 50                                              | 3.4                     | 55                                  | 8.5                                    | 200         | 2000              | 0 |
| 62200B0604000 |                   | Ø6x40                                                  | 10                                         | 40                                     | 30                                               | 100                                             | 3.8                     | 45                                  | 10                                     | 200         | 2000              | 0 |
| 62200B0605000 |                   | Ø6x50                                                  | 20                                         | 40                                     | 30                                               | 100                                             | 3.8                     | 55                                  | 10                                     | 100         | 1000              | 0 |
| 62200B0606000 |                   | Ø6x60                                                  | 30                                         | 40                                     | 30                                               | 100                                             | 3.8                     | 65                                  | 10                                     | 100         | 1000              | 0 |
| 62200B0608000 |                   | Ø6x80                                                  | 50                                         | 40                                     | 30                                               | 100                                             | 3.8                     | 85                                  | 10                                     | 100         | 1000              | 0 |
| 62200B0806000 |                   | Ø8x60                                                  | 20                                         | 50                                     | 40                                               | 100                                             | 4.8                     | 65                                  | 12                                     | 150         | 1500              | 0 |
| 62200B0808000 |                   | Ø8x80                                                  | 40                                         | 50                                     | 40                                               | 100                                             | 4.8                     | 85                                  | 12                                     | 150         | 1500              | 0 |
| 62200B0810000 |                   | Ø8x100                                                 | 60                                         | 50                                     | 40                                               | 100                                             | 4.8                     | 105                                 | 12                                     | 100         | 1000              | 0 |
| 62200B0812000 |                   | Ø8x120                                                 | 80                                         | 50                                     | 40                                               | 100                                             | 4.8                     | 125                                 | 12                                     | 100         | 1000              | 0 |
| 62200B0814000 |                   | Ø8x140                                                 | 100                                        | 50                                     | 40                                               | 100                                             | 4.8                     | 145                                 | 12                                     | 100         | 1000              | 0 |
| 62200B1008000 |                   | Ø10x80*                                                | 30                                         | 60                                     | 50                                               | 100                                             | 7                       | 85                                  | 14                                     | 100         | 1000              | 0 |
| 62200B1010000 |                   | Ø10x100*                                               | 50                                         | 60                                     | 50                                               | 100                                             | 7                       | 105                                 | 14                                     | 100         | 400               | 0 |
| 62200B1013500 |                   | Ø10x135*                                               | 85                                         | 60                                     | 50                                               | 100                                             | 7                       | 140                                 | 14                                     | 50          | 500               | 0 |
| 62200B1016000 |                   | Ø10x160*                                               | 110                                        | 60                                     | 50                                               | 100                                             | 7                       | 165                                 | 14                                     | 50          | 500               | 0 |

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Design capacities - single anchor - no edge distances

| Art. nr.      | Design capacities - single anchor - no edge distances |                  |                   |                  |                         |
|---------------|-------------------------------------------------------|------------------|-------------------|------------------|-------------------------|
|               | Design capacity - Non-cracked concrete (3)            |                  |                   |                  |                         |
|               | Tension - NRd (1)                                     |                  | Shear - VRd (1-2) |                  | Bending moment MRd [Nm] |
|               | C20/25 [kN]                                           | Solid Brick [kN] | C20/25 [kN]       | Solid Brick [kN] |                         |
| 62200B0503000 | 0.23                                                  | 0.2              | 0.6               | 0.6              | -                       |
| 62200B0504000 | 0.23                                                  | 0.2              | 0.6               | 0.6              | -                       |
| 62200B0505000 | 0.23                                                  | 0.2              | 0.6               | 0.6              | -                       |
| 62200B0604000 | 0.6                                                   | 0.36             | 0.6               | 0.6              | -                       |
| 62200B0605000 | 0.6                                                   | 0.36             | 0.6               | 0.6              | -                       |
| 62200B0606000 | 0.6                                                   | 0.36             | 0.6               | 0.6              | -                       |
| 62200B0608000 | 0.6                                                   | 0.36             | 0.6               | 0.6              | -                       |
| 62200B0806000 | 0.6                                                   | 0.45             | 1.2               | 1.2              | -                       |
| 62200B0808000 | 0.6                                                   | 0.45             | 1.2               | 1.2              | -                       |
| 62200B0810000 | 0.6                                                   | 0.45             | 1.2               | 1.2              | -                       |
| 62200B0812000 | 0.6                                                   | 0.45             | 1.2               | 1.2              | -                       |
| 62200B0814000 | 0.6                                                   | 0.45             | 1.2               | 1.2              | -                       |
| 62200B1008000 | 0.6                                                   | 0.48             | 1.65              | 1.65             | -                       |
| 62200B1010000 | 0.6                                                   | 0.48             | 1.65              | 1.65             | -                       |
| 62200B1013500 | 0.6                                                   | 0.48             | 1.65              | 1.65             | -                       |
| 62200B1016000 | 0.6                                                   | 0.48             | 1.65              | 1.65             | -                       |

1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing  $s \geq 15$  cm (any diameter) or with a rebar spacing  $s \geq 10$  cm, if the rebar diameter is 10mm or smaller.

2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges ( $c \leq \max [10 \text{ hef}; 60d]$ ) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.

3. Concrete is considered non-cracked when the tensile stress within the concrete is  $\sigma_L + \sigma_R \leq 0$ . In the absence of detailed verification  $\sigma_R = 3 \text{ N/mm}^2$  can be assumed ( $\sigma_L$  equals the tensile stress within the concrete induced by external loads, anchors loads included).

\*Not covered by ETA-11/0080

Product Dimension - D.I.Y

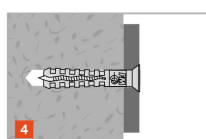
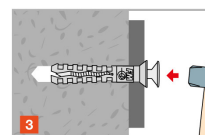
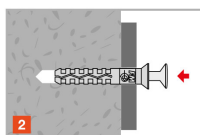
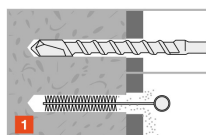
| Art. nr.      | Product Reference | Hole diameter x anchor length [ $d_o \times L$ ] [mm] | Screw diameter [ $d$ ] [mm] | Screw length [ $L_d$ ] [mm] | Pcs/blister | Blister/Pkg. |
|---------------|-------------------|-------------------------------------------------------|-----------------------------|-----------------------------|-------------|--------------|
| 62200B05030F2 | TSS               | Ø5x30*                                                | 3.4                         | 35                          | 15          | 30           |
| 62200B06040F2 | TSS               | Ø6x40                                                 | 3.8                         | 45                          | 15          | 15           |
| 62200B06060F2 | TSS               | Ø6x60                                                 | 3.8                         | 65                          | 15          | 15           |
| 62200B06080F2 | TSS               | Ø6x80                                                 | 3.8                         | 85                          | 5           | 30           |
| 62200B08060F2 | TSS               | Ø8x60                                                 | 4.8                         | 65                          | 5           | 30           |
| 62200B08080F2 | TSS               | Ø8x80                                                 | 4.8                         | 85                          | 5           | 30           |
| 62200B08100F2 | TSS               | Ø8x100                                                | 4.8                         | 105                         | 10          | 20           |
| 62200B08120F2 | TSS               | Ø8x120                                                | 4.8                         | 125                         | 10          | 20           |

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## Montering



## Spacing and edge distance

| Art. nr.      | Product Reference | Hole diameter x anchor length [ $d_o \times L$ ] [mm] | Min. edge distance [ $c_{min}$ ] [mm] | Min. spacing [ $s_{min}$ ] [mm] |
|---------------|-------------------|-------------------------------------------------------|---------------------------------------|---------------------------------|
| 62200B0503000 | TSS               | $\emptyset 5 \times 30^*$                             | 50                                    | 50                              |
| 62200B0504000 | TSS               | $\emptyset 5 \times 40^*$                             | 50                                    | 50                              |
| 62200B0505000 | TSS               | $\emptyset 5 \times 50^*$                             | 50                                    | 50                              |
| 62200B0604000 | TSS               | $\emptyset 6 \times 40$                               | 100                                   | 100                             |
| 62200B0605000 | TSS               | $\emptyset 6 \times 50$                               | 100                                   | 100                             |
| 62200B0606000 | TSS               | $\emptyset 6 \times 60$                               | 100                                   | 100                             |
| 62200B0608000 | TSS               | $\emptyset 6 \times 80$                               | 100                                   | 100                             |
| 62200B0806000 | TSS               | $\emptyset 8 \times 60$                               | 100                                   | 100                             |
| 62200B0808000 | TSS               | $\emptyset 8 \times 80$                               | 100                                   | 100                             |
| 62200B0810000 | TSS               | $\emptyset 8 \times 100$                              | 100                                   | 100                             |
| 62200B0812000 | TSS               | $\emptyset 8 \times 120$                              | 100                                   | 100                             |
| 62200B0814000 | TSS               | $\emptyset 8 \times 140$                              | 100                                   | 100                             |
| 62200B1008000 | TSS               | $\emptyset 10 \times 80^*$                            | 100                                   | 100                             |
| 62200B1010000 | TSS               | $\emptyset 10 \times 100^*$                           | 100                                   | 100                             |
| 62200B1013500 | TSS               | $\emptyset 10 \times 135^*$                           | 100                                   | 100                             |
| 62200B1016000 | TSS               | $\emptyset 10 \times 160^*$                           | 100                                   | 100                             |

\* Not included in the approval

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## Nylon søm dybel undersænket krave

### Installation data

| Art. nr.      | Product Reference | Hole diameter x anchor length [d <sub>0</sub> xL]<br>[mm] | Ø drilling hole [d0]<br>[mm] | Min. hole depth [h <sub>1</sub> ]<br>[mm] | Min. support thickness [h <sub>min</sub> ]<br>[mm] |
|---------------|-------------------|-----------------------------------------------------------|------------------------------|-------------------------------------------|----------------------------------------------------|
| 62200B0503000 | TSS               | Ø5x30*                                                    | 5                            | 35                                        | 50                                                 |
| 62200B0504000 | TSS               | Ø5x40*                                                    | 5                            | 35                                        | 50                                                 |
| 62200B0505000 | TSS               | Ø5x50*                                                    | 5                            | 35                                        | 50                                                 |
| 62200B0604000 | TSS               | Ø6x40                                                     | 6                            | 40                                        | 100                                                |
| 62200B0605000 | TSS               | Ø6x50                                                     | 6                            | 40                                        | 100                                                |
| 62200B0606000 | TSS               | Ø6x60                                                     | 6                            | 40                                        | 100                                                |
| 62200B0608000 | TSS               | Ø6x80                                                     | 6                            | 40                                        | 100                                                |
| 62200B0806000 | TSS               | Ø8x60                                                     | 8                            | 50                                        | 100                                                |
| 62200B0808000 | TSS               | Ø8x80                                                     | 8                            | 50                                        | 100                                                |
| 62200B0810000 | TSS               | Ø8x100                                                    | 8                            | 50                                        | 100                                                |
| 62200B0812000 | TSS               | Ø8x120                                                    | 8                            | 50                                        | 100                                                |
| 62200B0814000 | TSS               | Ø8x140                                                    | 8                            | 50                                        | 100                                                |
| 62200B1008000 | TSS               | Ø10x80*                                                   | 10                           | 60                                        | 100                                                |
| 62200B1010000 | TSS               | Ø10x100*                                                  | 10                           | 60                                        | 100                                                |
| 62200B1013500 | TSS               | Ø10x135*                                                  | 10                           | 60                                        | 100                                                |
| 62200B1016000 | TSS               | Ø10x160*                                                  | 10                           | 60                                        | 100                                                |

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