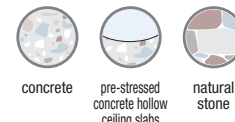


Vorpa TOP SA

Steel anchor



concrete

pre-stressed
concrete hollow
ceiling slabs

natural
stone

products group



TOP SA
* **TOP SA INOX A4**
no accessories

Suitable for

- concrete
- pre-stressed concrete hollow-ceiling slabs
- natural stone

To fix

- light metal structural work
- brackets and rails for industrial systems such as lighting, heating, ventilation
- suspended ceilings
- pipelines
- timber constructions
- sprinkler systems



TOP SA BU
* **TOP SA INOX A4 BU**
with hexagonal head screw



TOP SA BD
* **TOP SA INOX A4 BD**
with stud and nut



Test report available



product information

Characteristics

- special short body steel anchor with anti-rotation design and expansion conical nut
- the special design of the anchor allows the use both in hollow materials such as pre-stressed concrete hollow-core slabs both in solid materials with reduced thickness up to 5 cm
- the collar prevents slippage of the anchor into the hole and facilitates the installation since it is not necessary to respect the depth of drilling
- the optimized geometry reduces the energy required for fixing and allows its use even in narrowed spaces
- suitable for all types of screws, threaded rods and eyebolts with metric thread

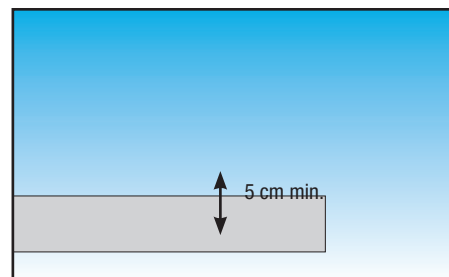
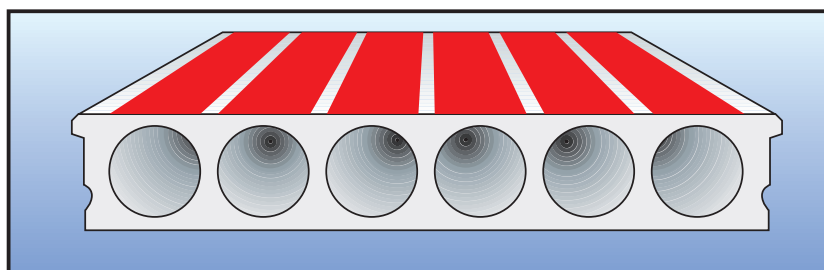
Installation

- pre-setting anchor

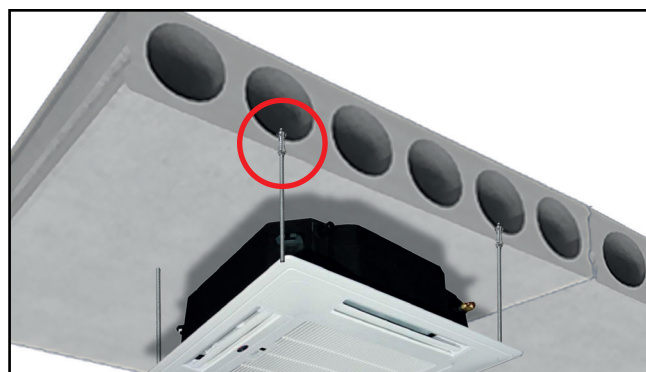
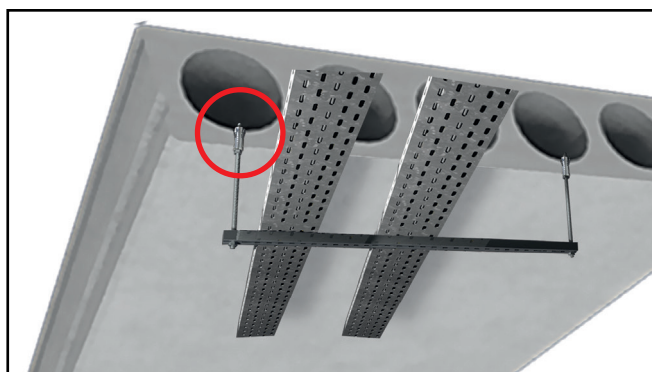
Suggestion for use

- choose the right size of the anchor according to the load
- always check load bearing capacity values in the table
- respect the installation data
- **clean the hole before the installation**

areas of applications

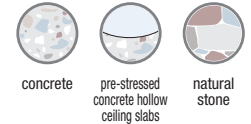


Examples of applications

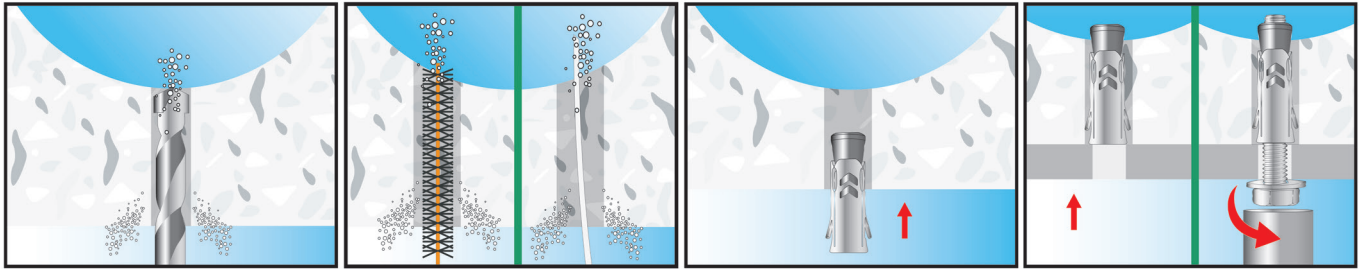


Vorpa TOP SA

Steel anchor



installation sequence



product code and technical data



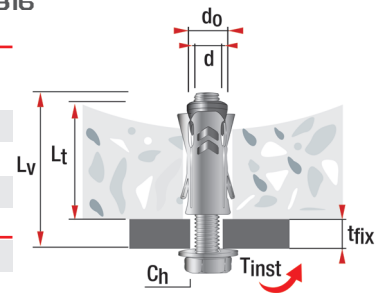
TOP SA
no accessories



TOP SA INOX A4
no accessories



| Code zincplated | Code inox A4 | Description | L _t mm | Screws | d ₀ mm | h ₁ mm | Prof. min. avvit. mm | T _{inst} mm |
|-----------------|--------------|--------------|-------------------|--------|-------------------|-------------------|----------------------|----------------------|
| 9650 | | TOP SA 6 | 38 | M6 | 10 | 45 | 38 | 10 |
| 9651 | | TOP SA 8 | 43 | M8 | 12 | 55 | 43 | 10 |
| 9652 | | TOP SA 10 | 52 | M10 | 14 | 60 | 52 | 20 |
| 9655 | | TOP SA A4 6 | 38 | M6 | 10 | 45 | 38 | 10 |
| 9656 | | TOP SA A4 8 | 43 | M8 | 12 | 55 | 43 | 10 |
| 9657 | | TOP SA A4 10 | 52 | M10 | 14 | 60 | 52 | 20 |



- h₁ = Min. hole depth
- L_t = Anchor length
- L_v = Screw length
- d₀ = Hole diameter
- d = Screw diameter
- t_{fix} = Fixture thickness
- T_{inst} = Torque
- Ch = Spanner



TOP SA BU
with hexagonal head screw



TOP SA INOX A4 BU
with A4 SS hexagonal head screw



| Art. zincplated | Code inox A4 | Description | L _t mm | Screw dxL _v | d ₀ mm | h ₁ mm | T _{fix} max | T _{inst} mm | Ch |
|-----------------|--------------|-----------------|-------------------|------------------------|-------------------|-------------------|----------------------|----------------------|----|
| 9659 | | TOP SA 6 BU | 38 | M6x50 | 10 | 45 | 8 | 10 | 10 |
| 9660 | | TOP SA 8 BU | 43 | M8x60 | 12 | 55 | 12 | 10 | 13 |
| 9661 | | TOP SA 10 BU | 52 | M10x70 | 14 | 60 | 17 | 20 | 17 |
| 9665 | | TOP SA A4 6 BU | 38 | M6x50 | 10 | 45 | 8 | 10 | 10 |
| 9666 | | TOP SA A4 8 BU | 43 | M8x60 | 12 | 55 | 12 | 10 | 13 |
| 9667 | | TOP SA A4 10 BU | 52 | M10x70 | 14 | 60 | 17 | 20 | 17 |



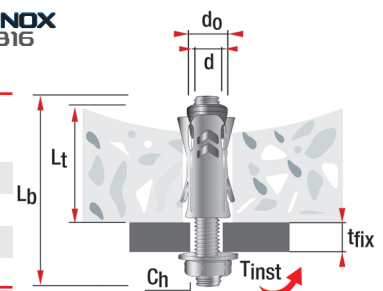
TOP SA BD
with stud and nut



TOP SA INOX A4 BD
with A4 SS stud and nut



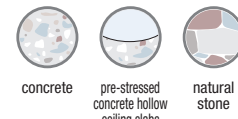
| Art. zincplated | Code inox A4 | Description | L _t mm | Stud dxL _b | d ₀ mm | h ₁ mm | T _{fix} max | T _{inst} mm | Ch |
|-----------------|--------------|-----------------|-------------------|-----------------------|-------------------|-------------------|----------------------|----------------------|----|
| 9690 | | TOP SA 6 BD | 38 | M6x57 | 10 | 45 | 8 | 10 | 10 |
| 9691 | | TOP SA 8 BD | 43 | M8x80 | 12 | 55 | 12 | 10 | 13 |
| 9692 | | TOP SA 10 BD | 52 | M10x90 | 14 | 60 | 17 | 20 | 17 |
| 9695 | | TOP SA A4 6 BD | 38 | M6x57 | 10 | 45 | 8 | 10 | 10 |
| 9696 | | TOP SA A4 8 BD | 43 | M8x80 | 12 | 55 | 12 | 10 | 13 |
| 9697 | | TOP SA A4 10 BD | 52 | M10x90 | 14 | 60 | 17 | 20 | 17 |



heavy duty anchors

Vorpa TOP SA

Steel anchor



concrete

pre-stressed
concrete hollow
ceiling slabs

natural
stone

technical data

TOP SA

1 kN=100 kg

Permissible loads-single application of anchor with 8.8 class screw on hollow prestressed concrete slab class $\geq B55$ ($\geq C45/55$)

| Anchor | Slab thickness du (mm) | Effective anchorage depth hef (mm) | Torque Tinst (Nm) | Permissible load Kn | Minimum spacing (mm) | Minimum edge distance (mm) |
|------------|---------------------------|---------------------------------------|----------------------|------------------------|-------------------------|-------------------------------|
| TOP SA M6 | 25-29 | 35 | 10 | 0,6 | 75 | 110 |
| | 30-39 | 35 | 10 | 0,8 | 85 | 110 |
| | ≥ 40 | 35 | 10 | 1,9 | 105 | 110 |
| TOP SA M8 | 25-29 | 40 | 10 | 0,6 | 75 | 110 |
| | 30-39 | 40 | 10 | 0,8 | 85 | 110 |
| | ≥ 40 | 40 | 10 | 1,9 | 105 | 110 |
| TOP SA M10 | 30-39 | 45 | 20 | 1,1 | 85 | 110 |
| | ≥ 40 | 45 | 20 | 2,9 | 105 | 110 |

Permissible loads-single application of anchor with A4 screw on hollow prestressed concrete slab class $\geq B55$ ($\geq C45/55$)

| Anchor | Slab thickness du (mm) | Effective anchorage depth hef (mm) | Torque Tinst (Nm) | Permissible load Kn | Minimum spacing (mm) | Minimum edge distance (mm) |
|---------------|---------------------------|---------------------------------------|----------------------|------------------------|-------------------------|-------------------------------|
| TOP SA A4 M6 | 25-29 | 35 | 10 | 0,54 | 75 | 110 |
| | 30-39 | 35 | 10 | 0,72 | 85 | 110 |
| | ≥ 40 | 35 | 10 | 1,70 | 105 | 110 |
| TOP SA A4 M8 | 25-29 | 40 | 10 | 0,54 | 75 | 110 |
| | 30-39 | 40 | 10 | 0,72 | 85 | 110 |
| | ≥ 40 | 40 | 10 | 1,70 | 105 | 110 |
| TOP SA A4 M10 | 30-39 | 45 | 20 | 0,99 | 85 | 110 |
| | ≥ 40 | 45 | 20 | 2,61 | 105 | 110 |

Permissible loads-single application of anchor with threaded road class screw on hollow prestressed concrete slab class $\geq B55$ ($\geq C45/55$)

| Anchor | Slab thickness du (mm) | Effective anchorage depth hef (mm) | Torque Tinst (Nm) | Permissible load Kn | Minimum spacing (mm) | Minimum edge distance (mm) |
|------------------|---------------------------|---------------------------------------|----------------------|------------------------|-------------------------|-------------------------------|
| TOP SA BD A4 M6 | 25-29 | 35 | 10 | 0,51 | 75 | 110 |
| | 30-39 | 35 | 10 | 0,68 | 85 | 110 |
| | ≥ 40 | 35 | 10 | 1,61 | 105 | 110 |
| TOP SA BD A4 M8 | 25-29 | 40 | 10 | 0,51 | 75 | 110 |
| | 30-39 | 40 | 10 | 0,68 | 85 | 110 |
| | ≥ 40 | 40 | 10 | 1,61 | 105 | 110 |
| TOP SA BD A4 M10 | 30-39 | 45 | 20 | 0,93 | 85 | 110 |
| | ≥ 40 | 45 | 20 | 2,46 | 105 | 110 |

Examples of applications

