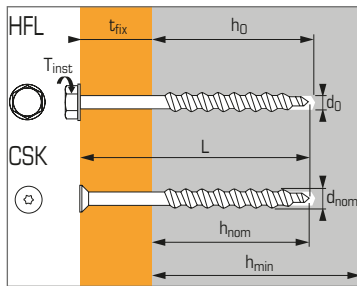




Special screw for aerated concrete



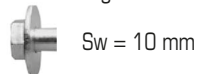
APPLICATION

- Fixing brackets
- Fixing rails
- Timbers
- Cable supports
- Insulation

MATERIAL

- **Screw:** zinc coated steel (5 µm mini.)
- **Head type:**

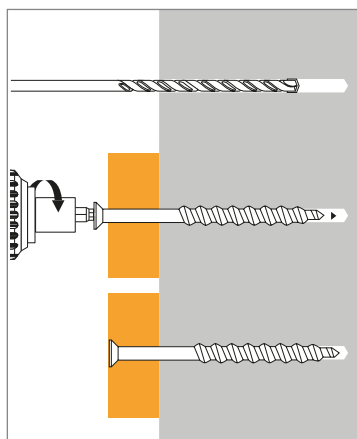
HFL: hexagonal head + large washer



CSK: countersunk head



INSTALLATION



Nota:

Possible setting without predrilling

Technical data

| Anchor size | Embedment depth (mm) h_{nom} | Max. thick. of part to be fixed (mm) t_{fix} | Screw external diameter (mm) d_{nom} | Min. base material thickness (mm) h_{min} | Drilling diameter (mm) d_0 | Drilling depth (mm) h_0 | Total screw length (mm) L | Tighten torque (Nm) T_{inst} | Code |
|---------------|-----------------------------------|---|---|--|---------------------------------|------------------------------|--------------------------------|-----------------------------------|--------|
| 10X110/10 HFL | 100 | 10 | 10 | 120 | 4* | 100 | 110 | 6 | 697601 |
| 10X160/60 HFL | | 60 | | | | | 160 | | 697602 |
| 10X110/10 CSK | | 10 | | | | | 110 | | 697603 |
| 10X160/60 CSK | | 60 | | | | | 160 | | 697604 |

*Possible setting without predrilling

Ultimate loads ($N_{Ru,m}$, $V_{Ru,m}$) in kN

TENSILE

| Anchor size | $\varnothing 10$ |
|--|------------------|
| Base material | |
| Aerated concrete ($M_{vn} = 500 \text{ kg/m}^3$) | |
| $N_{Ru,m}$ | 2,5 |

SHEAR

| Anchor size | $\varnothing 10$ |
|--|------------------|
| Base material | |
| Aerated concrete ($M_{vn} = 500 \text{ kg/m}^3$) | |
| $V_{Ru,m}$ | 3,5 |

Recommended loads (N_{rec} , V_{rec})

for one anchor without edge or spacing influence in kN

TENSILE

| Anchor size | $\varnothing 10$ |
|--|------------------|
| Base material | |
| Aerated concrete ($M_{vn} = 500 \text{ kg/m}^3$) | |
| N_{rec} | 0,5 |

SHEAR

| Anchor size | $\varnothing 10$ |
|--|------------------|
| Base material | |
| Aerated concrete ($M_{vn} = 500 \text{ kg/m}^3$) | |
| V_{rec} | 0,7 |

Spacing data

The anchor must be installed at the minimum distance of 100 mm from another anchor and near one edge.