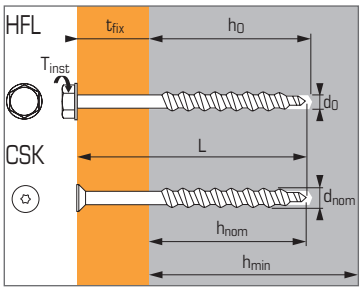
Special screw for aerated concrete



APPLICATION

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

MATERIAL

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

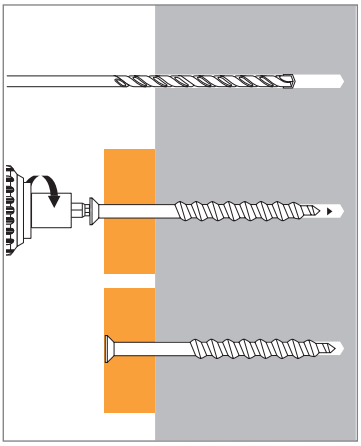
HFL: hexagonal head + large washer

Sw = 10 mm

CSK: countersunk head

TORX 30

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

Base material \ Anchor size	Ø10
Aerated concrete (Mvn = 500 kg/m³)	
$N_{Ru,m}$ c ≥ 100 mm	2,5
$N_{Ru,m}$ c ≥ 50 mm	1,5

SHEAR

Base material \ Anchor size	Ø10
Aerated concrete (Mvn = 500 kg/m³)	
$V_{Ru,m}$ c ≥ 100 mm	3,5
$V_{Ru,m}$ c ≥ 50 mm	2,5

Recommended loads (N_{rec}, V_{rec}) for one anchor without edge or spacing influence in kN

TENSILE

Base material \ Anchor size	Ø10
Aerated concrete (Mvn = 500 kg/m³)	
N_{rec} c ≥ 100 mm	0,5
N_{rec} c ≥ 50 mm	0,3

SHEAR

Base material \ Anchor size	Ø10
Aerated concrete (Mvn = 500 kg/m³)	
V_{rec} c ≥ 100 mm	0,7
V_{rec} c ≥ 50 mm	0,5

Spacing data

The anchor must be installed at the minimum distance of 100 mm from another anchor.