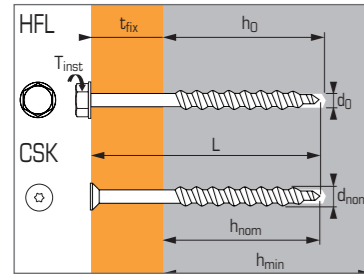


Special screw for aerated concrete



Technical data									
Anchor size	Embedment depth (mm)	Max. thick. of part to be fixed (mm)	Screw external diameter (mm)	Min. base material thickness (mm)	Drilling diameter (mm)	Drilling depth (mm)	Total screw length (mm)	Tighten torque (Nm)	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

APPLICATION

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

MATERIAL

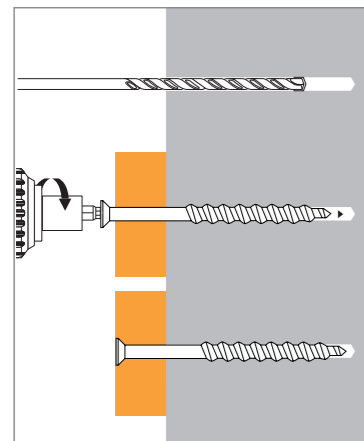
- Screw:** zinc coated steel (5 µm mini.)
- Head type:** HFL: hexagonal head + large washer

Sw = 10 mm

CSK: countersunk head

TORX 30

INSTALLATION



Nota:
Possible setting without predrilling

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

TENSILE		SHEAR	
Anchor size	Ø10	Anchor size	Ø10
Base material		Base material	
Aerated concrete (Mvn = 500 kg/m ³)		Aerated concrete (Mvn = 500 kg/m ³)	
N _{RU,m}	2,5	V _{RU,m}	3,5

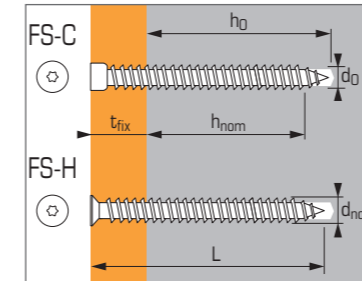
Recommended loads (N_{REC}, V_{REC}) for one anchor without edge or spacing influence in kN

TENSILE		SHEAR	
Anchor size	Ø10	Anchor size	Ø10
Base material		Base material	
Aerated concrete (Mvn = 500 kg/m ³)		Aerated concrete (Mvn = 500 kg/m ³)	
N _{REC}	0,5	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.

Special frame screw for concrete, solid masonries and aerated concrete



APPLICATION

- Fixing sub-frames
- Fixing doors and windows (wood, PVC, aluminium)
- Portals

MATERIAL

- Screw:** Zinc coated steel (5 µm mini.) Duramax™1000: Salt spray 1000h (EN-9227)

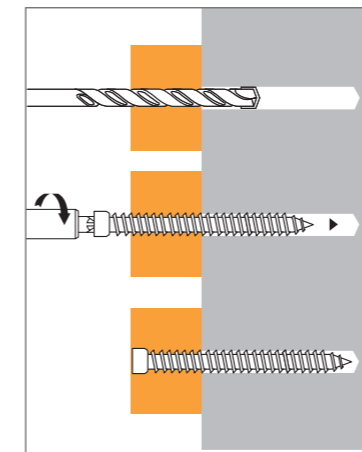
- Head type:** H : countersunk head : recommended for PVC & aluminium joinery

TORX 30

C: cylinder head : recommended for wood joinery

TORX 30

INSTALLATION



Nota:
In aerated concrete, possible setting without predrilling

Technical data												
Head Type	Anchor size	Concrete h _{nom} = 30 mm		Solid masonries h _{nom} = 40 mm		Aerated concrete h _{nom} = 60 mm		Screw external diameter (mm)	Drilling diameter (mm)	Total screw length (mm)	Code	
		h ₀ (mm)	t _{fix} (mm)	h ₀ (mm)	t _{fix} (mm)	h ₀ (mm)	t _{fix} (mm)				Zinc coated version	Duramax™ version
FS-H	6X42/2	40	12	2	50	70	n.a.	6	6	42	153079	-
	6X52/12		22	12			n.a.			52	153080	-
	6X62/22		32	22			2			62	153081	-
	6X72/32		42	32			12			72	153082	151427
	6X92/52		62	52			32			92	153083	151428
	6X112/72		82	72			52			112	153084	151429
	6X132/92		102	92			72			132	153085	151430
	6X152/112		122	112			92			152	153086	-
	6X182/142		152	142			122			182	153087	-
	6X212/172		182	172			152			212	153088	-
FS-C	6X42/2	40	12	2	50	70	n.a.	6	6	42	153089	-
	6X52/12		22	12			n.a.			52	153090	-
	6X62/22		32	22			2			62	153091	-
	6X72/32		42	32			12			72	153092	-
	6X92/52		62	52			32			92	153093	151432
	6X112/72		82	72			52			112	153094	151433
	6X132/92		102	92			72			132	153095	-
	6X152/112		122	112			92			152	153096	-
	6X182/142		152	142			122			182	153097	-
	6X212/172		182	172			152			212	153098	-

Important: to prevent the possible blocking of the screw, observe the recommended embedment depths given for each materials, especially in concrete.

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

TENSILE				SHEAR			
Anchor size	h _{nom}	Ø6	Ø6	Anchor size	h _{nom}	Ø6	Ø6
Base material				Base material			
Concrete (C20/25)				Concrete (C20/25)			
N _{RU,m}	3,2	7,2	NA	V _{RU,m}	11,2	11,2	NA
Clay bricks (fc = 15 Mpa)				Clay bricks (fc = 15 Mpa)			
N _{RU,m}	NA	3,5	NA	V _{RU,m}	NA	3,5	NA
Aerated concrete (Mvn = 500 kg/m ³)				Aerated concrete (Mvn = 500 kg/m ³)			
N _{RU,m}	NA	NA	1,0	V _{RU,m}	NA	NA	2,0

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

TENSILE				SHEAR			
Anchor size	h _{nom}	Ø6	Ø6	Anchor size	h _{nom}	Ø6	Ø6
Base material				Base material			
Concrete (C20/25)				Concrete (C20/25)			
N _{REC}	0,8	NA	NA	V _{REC}	2,8	NA	NA
Clay bricks (fc = 15 Mpa)				Clay bricks (fc = 15 Mpa)			
N _{REC}	NA	0,7	NA	V _{REC}	NA	0,7	NA
Aerated concrete (Mvn = 500 kg/m ³)				Aerated concrete (Mvn = 500 kg/m ³)			
N _{REC}	NA	NA	0,2	V _{REC}	NA	NA	0,4

Spacing data

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