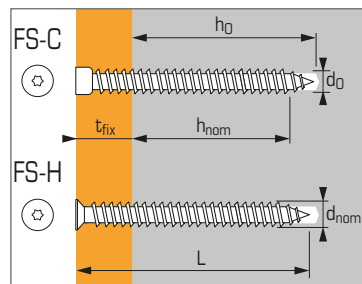




Special frame screw for concrete, solid masonries and aerated concrete



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)

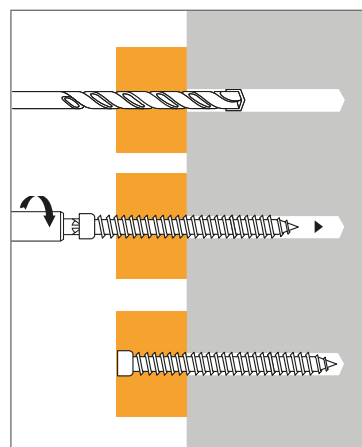
• **Head type:**
H : countersunk head : recommended for PVC & aluminium joinery



C: cylinder head : recommended for wood joinery



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		12		2		n.a.	7,5	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	40	62	50	52	70	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	-
6X42/2			12				2		n.a.	42	153089	-
6X52/12			22				12		n.a.	52	153090	-
6X62/22			32				22		2	62	153091	-
6X72/32			42				32		12	72	153092	-
FS-C	6X92/52	40	62	50	52	70	32	7,5	6	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

Base material	Anchor size		Ø6		
	h _{nom}	30	40	60	
Concrete (C20/25)					
N _{Ru,m}		3,2	NA	NA	
Clay bricks (fc = 15 MPa)					
N _{Ru,m}		NA	3,5	NA	
Aerated concrete (Mvn = 500 kg/m³)					
N _{Ru,m}		NA	NA	1,0	

SHEAR

Base material	Anchor size		Ø6		
	h _{nom}	30	40	60	
Concrete (C20/25)					
V _{Ru,m}		11,2	NA	NA	
Clay bricks (fc = 15 MPa)					
V _{Ru,m}		NA	3,5	NA	
Aerated concrete (Mvn = 500 kg/m³)					
V _{Ru,m}		NA	NA	2,0	

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

TENSILE

Base material	Anchor size		Ø6		
	h _{nom}	30	40	60	
Concrete (C20/25)					
N _{rec}		0,8	NA	NA	
Clay bricks (fc = 15 MPa)					
N _{rec}		NA	0,7	NA	
Aerated concrete (Mvn = 500 kg/m³)					
N _{rec}		NA	NA	0,2	

SHEAR

Base material	Anchor size		Ø6		
	h _{nom}	30	40	60	
Concrete (C20/25)					
V _{rec}		2,8	NA	NA	
Clay bricks (fc = 15 MPa)					
V _{rec}		NA	0,7	NA	
Aerated concrete (Mvn = 500 kg/m³)					
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.