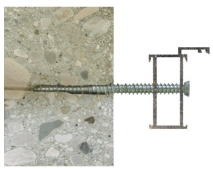
Technical data sheet

VF
Concrete Screw

VF is a concrete screw Ø7.5 mm for the assembly of window and door frame elements designed for fixings in various building materials.



Features

Benefits

- Ideal for stand-off fixings
- Allows fixings near the edge
- Small hole diameter
- Prevents deformation of the frame

Applications

Material

- Steel
- White zinc plated

Applications

- Window and door frames
- Wood profiles and battens
- Connectors

Suitable for

- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone (partially suitable)
- Wood

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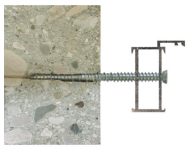
Technical Data

Product Dimension - Cylindrical Head Screw



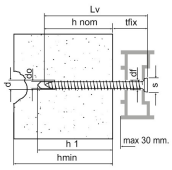
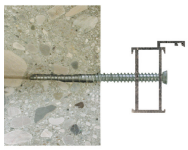
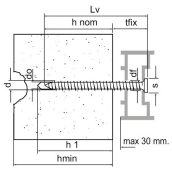


Table "Product Dimension - Cylindrical Head Screw" cannot be displayed : no references available.

Product Dimension - Countersunk Head Screw





References	Product Reference	Dimensions [dxL$_v$] [mm]	Hole diameter [d_o] [mm]	Hole diameter in fixture [d_f] [mm]	Head diameter [s] [mm]	Nominal embedment depth [h_{nom}] [mm]	Fixture thickness [t_{fix}] (1) [mm]	Min. hole depth [h_1>] [mm]	Min. support thickness [h_{min}] [mm]	Bit
19419B0704000	VF	Ø7,5x40	6	6.2	11.5	30	10	40	60	T-30
19419B0706000		Ø7,5x60	6	6.2	11.5	30	30	40	60	T-30
19419B0707000		Ø7,5x70	6	6.2	11.5	30	40	40	60	T-30
19419B0708000		Ø7,5x80	6	6.2	11.5	30	50	40	60	T-30
19419B0709000		Ø7,5x90	6	6.2	11.5	30	60	40	60	T-30
19419B0710000		Ø7,5x100	6	6.2	11.5	30	70	40	60	T-30
19419B0712000		Ø7,5x120	6	6.2	11.5	30	90	40	60	T-30
19419B0713500		Ø7,5x135	6	6.2	11.5	30	105	40	60	T-30
19419B0715000		Ø7,5x150	6	6.2	11.5	30	120	40	60	T-30
19419B0718000		Ø7,5x180	6	6.2	11.5	30	150	40	60	T-30
19419B0721000		Ø7,5x210*	6	6.2	11.5	30	180	40	60	T-30
19419B0724000		Ø7,5x240*	6	6.2	11.5	30	210	40	60	T-30

(1) Max fixing thickness refers to installation on concrete
** Size not covered by CE certification*

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Recommended loads / for single anchors 1)

References	Product Reference	Dimensions [dxL$_v$] [mm]	Recommended loads [1] for single anchor								
			Concrete C20/25 [2]		Solid brick [2] $f_{bk} \geq 20$ N/mm^2		Honeycomb brick (Bimattone) [2] $f_{bk} \geq 10$ N/mm^2		Pine-wood [3] ρ_k = 450kg/m^3		Max torque [5] [Tmax] [Nm]
			N_{rec} [kN]	V_{rec} [kN]	N_{rec} [kN]	V_{rec} [kN]	N_{rec} [kN]	V_{rec} [kN]	N_{rec} [kN]	V_{rec} [kN]	
19419B0709000	VF	Ø7,5x90	1.5	1.5	1.3	1.5	0.1	0.3	1.1	-	20
19419B0710000	VF	Ø7,5x100	1.5	1.5	1.3	1.5	0.1	0.3	1.1	-	20
19419B0713500	VF	Ø7,5x135	1.5	1.5	1.3	1.5	0.1	0.3	1.1	-	20
19419B0715000	VF	Ø7,5x150	1.5	1.5	1.3	1.5	0.1	0.3	1.1	-	20
19419B0718000	VF	Ø7,5x180	1.5	1.5	1.3	1.5	0.1	0.3	1.1	-	20

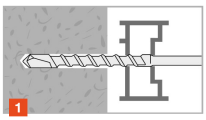
1)The allowable loads Nzul / Vzul were determined from the average values of the breaking loads, taking into account a safety factor γ = 4 (γ = 5 for vertically perforated bricks). Design and dimensioning shall be carried out in accordance with the Friulsider design guide.

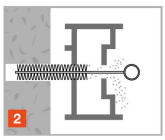
2) Anchoring base without plaster layer.
concrete: h_{nom} = 30mm
solid masonry: h_{nom} = 40mm
honycomb brick (Bimattone): h_{nom} = 60mm

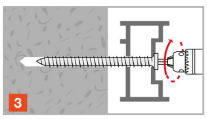
3) Pine wood average gross density ρk = 450 kg/m3 / moisture content approx. 12 % / fiber direction α > 30°.
Pine wood: h_{nom} = 40mm

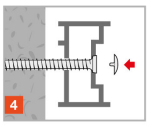
5) The installation torque must be adjusted according to the type of installation and the anchoring base.

Installation









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