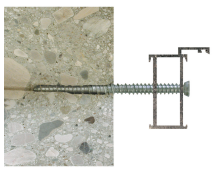
Technical Sheet

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

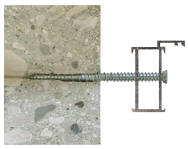
- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Aerated concrete (partially suitable)
- Solid stone (partially suitable)
- Wood

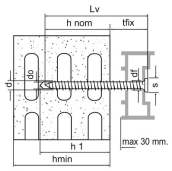
Technical Sheet

VF
Concrete Screw

Technical Data

Product Dimension - Cylindrical Head Screw



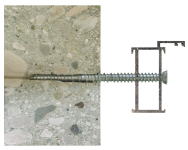


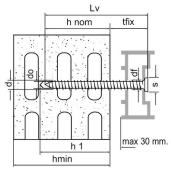
Reference	Metallic fixings dimensions									Installation data		
	Product Dimensions[mm]			Title	Other					Installation data		Spacing and edge distances
	Dimensions [dxLv][mm]	Head diameter [s][mm]	Bit		Hole diameter [d_o][mm]	Hole diameter in fixture [df] [mm]	Fixture thickness [tf_{ix}] (1)[mm]	Qty per box[pcs]	Qty per outer box	Nominal embedment depth [h_{nom}] [mm]	Min. hole depth [h_1>][mm]	Min. support thickness [h_{min}][mm]

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

Technical Sheet

VF
Concrete Screw





Product Dimension - Countersunk Head Screw

Reference	Metallic fixings dimensions									Installation data		
	Product Dimensions[mm]			Title	Other					Installation data		Spacing and edge distances
	Dimensions [dxLv][mm]	Head diameter [s][mm]	Bit		Hole diameter [d_o][mm]	Hole diameter in fixture [df] [mm]	Fixture thickness [tf_{ix}] (1)[mm]	Qty per box[pcs]	Qty per outer box	Nominal embedment depth [h_{nom}] [mm]	Min. hole depth [h_1>][mm]	Min. support thickness [h_{min}][mm]
19419B0704000	Ø7,5x40	11.5	T-30	VF	6	6.2	10	100.0	1200	30	40	60
19419B0706000	Ø7,5x60	11.5	T-30	VF	6	6.2	30	100.0	800	30	40	60
19419B0707000	Ø7,5x70	11.5	T-30	VF	6	6.2	40	100.0	800	30	40	60
19419B0708000	Ø7,5x80	11.5	T-30	VF	6	6.2	50	100.0	800	30	40	60
19419B0709000	Ø7,5x90	11.5	T-30	VF	6	6.2	60	100.0	800	30	40	60
19419B0710000	Ø7,5x100	11.5	T-30	VF	6	6.2	70	100.0	800	30	40	60
19419B0712000	Ø7,5x120	11.5	T-30	VF	6	6.2	90	100.0	600	30	40	60
19419B0713500	Ø7,5x135	11.5	T-30	VF	6	6.2	105	100.0	600	30	40	60
19419B0715000	Ø7,5x150	11.5	T-30	VF	6	6.2	120	100.0	600	30	40	60
19419B0718000	Ø7,5x180	11.5	T-30	VF	6	6.2	150	100.0	400	30	40	60
19419B0721000	Ø7,5x210*	11.5	T-30	VF	6	6.2	180	50.0	200	30	40	60
19419B0724000	Ø7,5x240*	11.5	T-30	VF	6	6.2	210	50.0	-	30	40	60

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

Technical Sheet

VF
Concrete Screw

Recommended loads / for single anchors 1)

Reference	Metallic fixings dimensions		Metallic fixings loads							
	Product Dimensions[mm]	Title	Recommended loads 1) for single anchor							
	Dimensions [dxLv] [mm]		Max torque 5) [Nm]	Honeycomb brick (Bimattone) 2) $fb_k \geq 10$ N/mm²		Solid brick 2) $fb_k \geq 20$ N/mm²		Pine-wood 3) $\rho_k = 450$kg/m³		Concrete C20/25	
				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	Ø7,5x90	VF	20	0.1	0.3	1.3	1.5	1.1	-	1.5	1.5
19419B0710000	Ø7,5x100	VF	20	0.1	0.3	1.3	1.5	1.1	-	1.5	1.5
19419B0713500	Ø7,5x135	VF	20	0.1	0.3	1.3	1.5	1.1	-	1.5	1.5
19419B0715000	Ø7,5x150	VF	20	0.1	0.3	1.3	1.5	1.1	-	1.5	1.5
19419B0718000	Ø7,5x180	VF	20	0.1	0.3	1.3	1.5	1.1	-	1.5	1.5

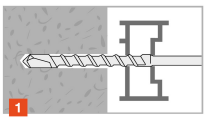
1)The allowable loads Nzul / Vzul were determined from the average values of the breaking loads, taking into account a safety factor γ = 4 (γ = 5 for vertically perforated bricks). Design and dimensioning shall be carried out in accordance with the Friulsider design guide.

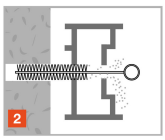
2) Anchoring base without plaster layer.
concrete: h_{nom} = 30mm
solid masonry: h_{nom} = 40mm
honycomb brick (Bimattone): h_{nom} = 60mm

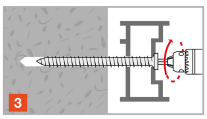
3) Pine wood average gross density ρk = 450 kg/m3 / moisture content approx. 12 % / fiber direction α > 30°.
Pine wood: h_{nom} = 40mm

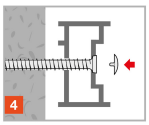
5) The installation torque must be adjusted according to the type of installation and the anchoring base.

Installation









Winchester Road Cardinal Point Tamworth Staffordshire B78 3HG
tel: +44 1827 255600
fax: +44 1827 255616
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