

Technical Sheet

**FRUL
SIDER**

SIMPSON
StrongTie

FM-X5

Long Plug for Window and Door Frames

The FM-X5 frame plug in Ø8 and Ø10 mm versions in combination with a countersunk or hexagon head screw is approved for multiple fixings in concrete and masonry.

Features

Material

- Plug: nylon
- Screw: white zinc plated steel

Benefits

- Multi-expansion variable geometry
- Low tightening torque
- Ultra flexible nylon

Applications

Applications

- Framework
- Wall cabinets
- Light carpentry

Suitable for

- Non-cracked concrete
- Solid brick
- Honeycomb brick
- Cell like clay brick
- Lightweight honeycomb brick
- Hollow dense aggregate block
- Hollow light aggregate block
- Aerated concrete
- Solid stone



FM-X5 Long Plug for Window and Door Frames

Technical Data



Product Dimension - Countersunk Screw

Reference	Nylon fixings dimensions							Nylon fixings Installation data				
	Info product							Installation data				
	Product Reference	Max fixture thickness[mm]	Screw diameter [d][mm]	Screw length [Lv][mm]	Bit	Qty per box[pcs]	Qty per outer box[mm]	Hole diameter x anchor length [døxL][mm]	Min. drill depth[mm]	Nominal embedment depth [h _{nom}][mm]	Min. support thickness* [h _{min}][mm]	Ø drilling fixture[mm]
64301B0808000	FM-X5	10	6	85	T30	100.0	1000.0	Ø8x80	80	70	120	8.5
64301B0810000	FM-X5	30	6	105	T30	50.0	500.0	Ø8x100	80	70	120	8.5
64301B0812000	FM-X5	50	6	125	T30	50.0	500.0	Ø8x120	80	70	120	8.5
64301B0817000	FM-X5	100	6	175	T30	50.0	-	Ø8x170	80	70	120	8.5
64301B1011500	FM-X5	45	7	120	T40	50.0	500.0	Ø10x115	80	70	120	10.5
64301B1013500	FM-X5	65	7	140	T40	50.0	200.0	Ø10x135	80	70	120	10.5
64301B1016000	FM-X5	90	7	165	T40	50.0	-	Ø10x160	80	70	120	10.5

* Including plaster



Product Dimension - Hex Head Screw

Reference	Nylon fixings dimensions							Nylon fixings Installation data				
	Info product							Installation data				
	Product Reference	Max fixture thickness[mm]	Screw diameter [d][mm]	Screw length [Lv][mm]	Bit	Qty per box[pcs]	Qty per outer box[mm]	Hole diameter x anchor length [døxL][mm]	Min. drill depth[mm]	Nominal embedment depth [h _{nom}][mm]	Min. support thickness* [h _{min}][mm]	Ø drilling fixture[mm]

Product Dimension - Hex Head Screw

See full table online [→](#)



Design capacities - single anchor - no edge distances

Reference	Nylon fixings dimensions							Nylon fixings Loads				
	Info product							Installation data				
	Product Reference	Max fixture thickness[mm]	Screw diameter [d][mm]	Screw length [Lv][mm]	Bit	Qty per box[pcs]	Qty per outer box[mm]	Hole diameter x anchor length [døxL][mm]	Min. drill depth[mm]	Nominal embedment depth [h _{nom}][mm]	Min. support thickness* [h _{min}][mm]	Ø drilling fixture[mm]

Design capacities - single anchor - no edge distances

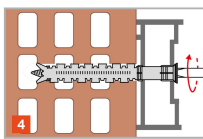
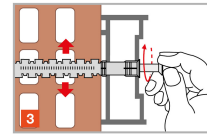
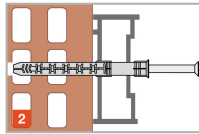
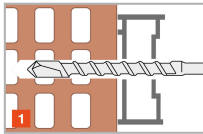
See full table online [→](#)



FM-X5

Long Plug for Window and Door Frames

Installation



Spacings and edge distances

Reference	Nylon fixings dimensions	Nylon fixings Installation data								
	Info product	Spacings and edge distances								
	Product Reference	See full table online 								
		[mm]							Minimum thickness of support [mm]	Min. edge distance [mm]
64301B0808000	FM-X5	Ø8x80	100	250	200	80	80	140	100	60

Installation data

Reference	Nylon fixings dimensions		Nylon fixings Installation data			
	Info product		Installation data			
	Product Reference	Wrench size [mm]	Hole diameter x anchor length [d _o xL] [mm]	Ø drilling hole [mm]	Min. drill depth [mm]	Ø drilling fixture [mm]
64301B0808000	FM-X5	-	Ø8x80	8	80	8.5
64301B0810000	FM-X5	-	Ø8x100	8	80	8.5
64301B0812000	FM-X5	-	Ø8x120	8	80	8.5
64301B0817000	FM-X5	-	Ø8x170	8	80	8.5
64301B1011500	FM-X5	-	Ø10x115	10	80	10.5
64301B1013500	FM-X5	-	Ø10x135	10	80	10.5
64301B1016000	FM-X5	-	Ø10x160	10	80	10.5

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

Copyright by Simpson Strong-Tie®

Information presented on this document is the exclusive property of Simpson Strong-Tie®
It is valid only when associated with products supplied by Simpson Strong-Tie®

FM-X5
**Long Plug for Window and
Door Frames**

2026-10-29



www.strongtie.co.uk

**FRJUL
SIDER****SIMPSON
StrongTie**