

Product data sheet- Concrete frame screw

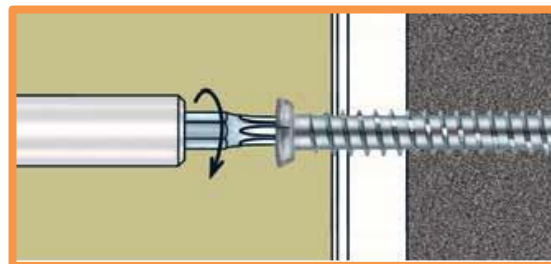
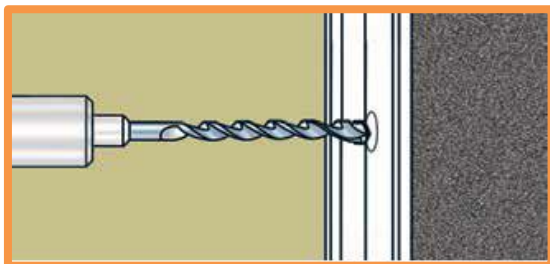
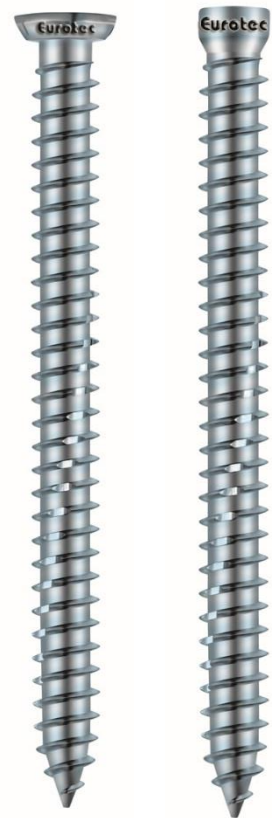
Product description

The Eurotec **concrete frame screws** are suitable for dowel-free screwing of window / door frames made of plastic, aluminum and wood into all stone materials and concrete.

These screws are available with a countersunk head for metal and aluminum windows or a cylinder head for recessed mounting in wood and plastic windows.

Material

Case hardened **carbon steel, zinc plated**



Application Notes

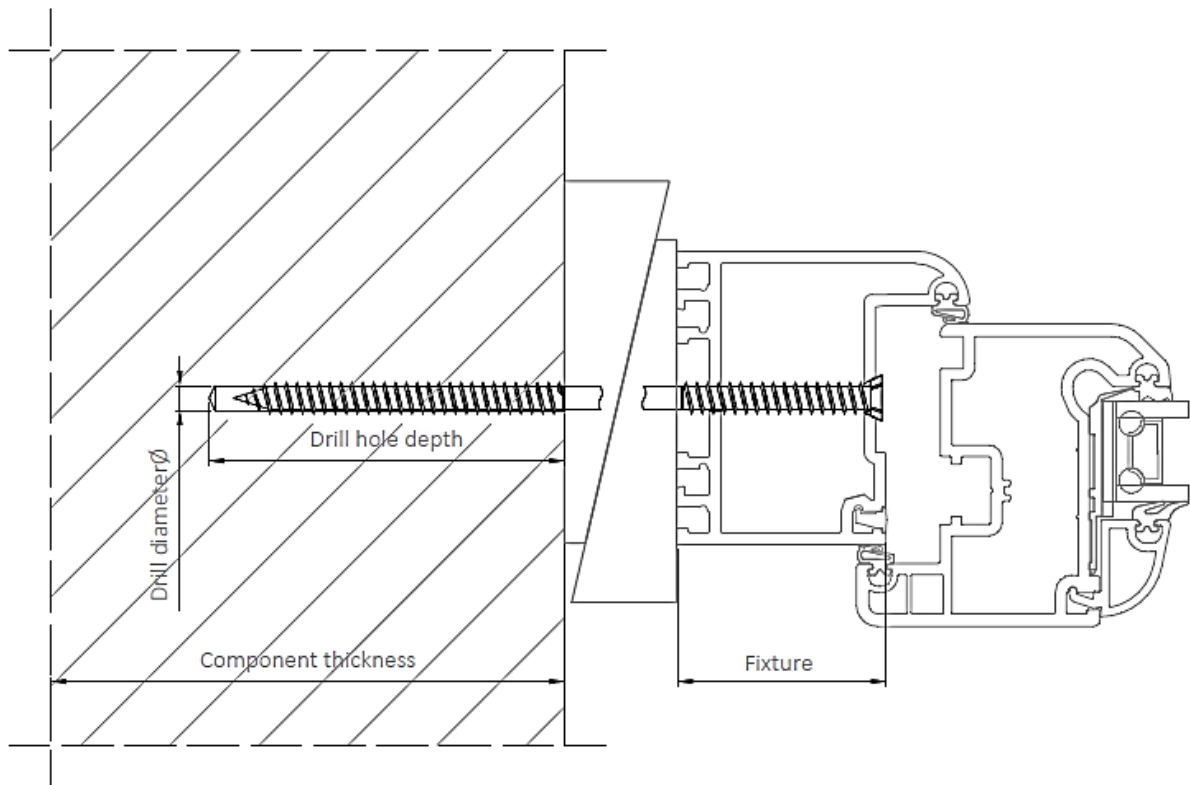
1. Pilot-drill the frame to \varnothing 6,5 mm, insert and align window.
2. Pilot-drill the anchoring surface to \varnothing 6,0 mm, screw in concrete frame screws.

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Setting parameters and load capacity per ground

Base material	Drill diameter in base material	min. Drill hole depth	min. anchoring depth	drilling method a)	min. component thickness	min. edge distance	min. spacing	Tensile load bearing capacity N_{Rk}	Lateral force resistance V_{Rk}
	mm	mm	mm		mm	mm	mm	kN	kN
concrete C20/25	6,5	70	50	H	100	50	100	2,5	0,75
solid clay brick	6,0	70	50	H	115	50	100	3,5	0,6
solid lime-sand brick	6,0	70	50	H	115	50	100	3,5	0,5
aerated concrete	-	-	70	D	115	50	100	0,9	0,3
perforated lime-sand brick	5,0	85	70	D	115	50	100	2,0	0,6
vertically perforated brick	6,5	140	120	D	175	50	100	0,5	0,4

a) H - hammer drilling; R - rotary drilling



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Article table: Countersunk Head

Concrete Frame Screws - Countersunk Head					
Art.no.	Dimension Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
B110061	7,5 x 42	full thread	11,0	TX 30	100
B900903	7,5 x 52	full thread	11,0	TX 30	100
B900620	7,5 x 62	full thread	11,0	TX 30	100
B110062	7,5 x 72	full thread	11,0	TX 30	100
B900621	7,5 x 82	full thread	11,0	TX 30	100
B110063	7,5 x 92	full thread	11,0	TX 30	100
B900896	7,5 x 102	full thread	11,0	TX 30	100
B110064	7,5 x 112	full thread	11,0	TX 30	100
B900724	7,5 x 122	full thread	11,0	TX 30	100
B110065	7,5 x 132	full thread	11,0	TX 30	100
B110066	7,5 x 152	full thread	11,0	TX 30	100
B110067	7,5 x 182	full thread	11,0	TX 30	100
B110068	7,5 x 212	145	11,0	TX 30	100
B944642	7,5 x 232	145	11,0	TX 30	100
B944638	7,5 x 252	145	11,0	TX 30	100
B944643	7,5 x 272	145	11,0	TX 30	100
B944639	7,5 x 302	145	11,0	TX 30	100
B944641	7,5 x 342	145	11,0	TX 30	100
B944644	7,5 x 372	145	11,0	TX 30	100
B944645	7,5 x 402	145	11,0	TX 30	100

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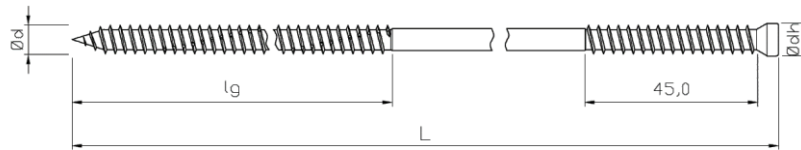
Article table: Cylinder Head

Concrete Frame Screws – Cylinder Head					
Art.no.	Dimension Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
B110069	7,5 x 42	full thread	7,5	TX 25	100
B944847	7,5 x 52	full thread	7,5	TX 25	100
B900905	7,5 x 62	full thread	7,5	TX 25	100
B110070	7,5 x 72	full thread	7,5	TX 25	100
B900906	7,5 x 82	full thread	7,5	TX 25	100
B110071	7,5 x 92	full thread	7,5	TX 25	100
B900907	7,5 x 102	full thread	7,5	TX 25	100
B110072	7,5 x 112	full thread	7,5	TX 25	100
B900725	7,5 x 122	full thread	7,5	TX 25	100
B110073	7,5 x 132	full thread	7,5	TX 25	100
B110074	7,5 x 152	full thread	7,5	TX 25	100
B110075	7,5 x 182	full thread	7,5	TX 25	100
B110076	7,5 x 212	full thread	7,5	TX 25	100
B901087	7,5 x 42	full thread	8,5	TX 30	100
B900023	7,5 x 62	full thread	8,5	TX 30	100
B900017	7,5 x 72	full thread	8,5	TX 30	100
B900018	7,5 x 82	full thread	8,5	TX 30	100
B900019	7,5 x 92	full thread	8,5	TX 30	100
B900021	7,5 x 102	full thread	8,5	TX 30	100
B900024	7,5 x 112	full thread	8,5	TX 30	100
B900020	7,5 x 122	full thread	8,5	TX 30	100
B900025	7,5 x 132	full thread	8,5	TX 30	100
B900707	7,5 x 152	full thread	8,5	TX 30	100
B900383	7,5 x 182	full thread	8,5	TX 30	100
B901034	7,5 x 212	145	8,5	TX 30	100
B944636	7,5 x 252	145	8,5	TX 30	100
B944637	7,5 x 302	145	8,5	TX 30	100

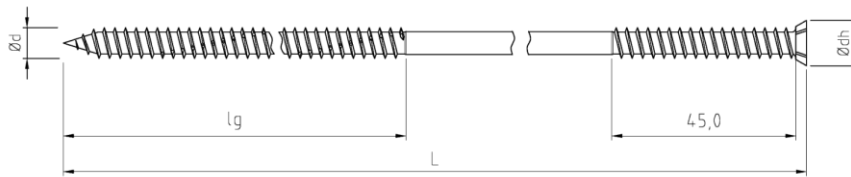
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Drawing

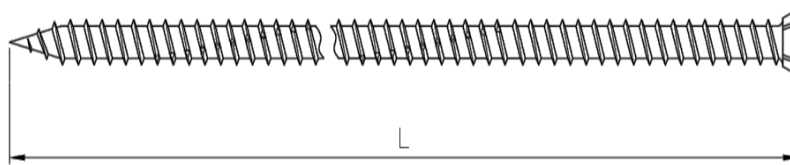
- Concrete Frame Screw – Cylinder Head, part thread:



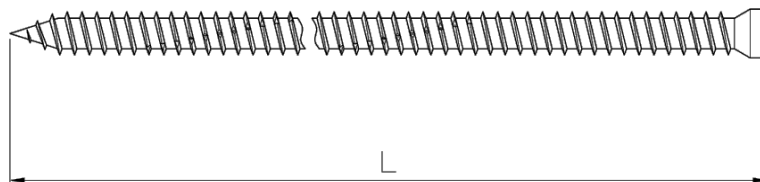
- Concrete Frame Screw – Countersunk Head, part thread:



- Concrete Frame Screw – Countersunk Head, full thread:



- Concrete Frame Screw – Cylinder Head, full thread



If you are not familiar with the use of this product, and in particular with its intended use, please contact our Application Technology department.