



Innovative and Easy

CROCO FASTENERS



Fasteners for concrete, steel and wooden structures

VILPE's wide assortment of Croco fasteners includes everything a roofer needs. Croco A fasteners are used to fasten single-ply membrane roof covering (or insulation), while Croco B fasteners are used to fasten two-ply membrane roof covering (or insulation).

Croco A and Croco B fasteners can both be used on steel, concrete or wooden structures.

- Steel structure: fix with a KLA Drill point screw
- Wooden structure: fix with a KLA Drill Point screw or an Adjustable Croco screw 95
- Concrete structure: fix with a Concrete screw or KLA Concrete nail, or with an Adjustable Croco screw (95 or 150)

VILPE warranties:

10 year colour warranty

20 year technical warranty



Croco A and B

VILPE® CROCO A FASTENER

Description: For fastening single-ply membrane roof covering or insulation to sheet metal, concrete or wood structures. The Croco A Fastener should be fastened to the structure with a VILPE roof screw, a VILPE concrete screw or a VILPE concrete nail. There are four studs in the flange of the Croco A Fastener to increase the product's tear resistance. The length of the fastener should be chosen according to the thickness of the insulation material, as well as the screw or nail being used.

Dimensions: Flange Ø 50 mm. Insulation thicknesses in the selection table.

Contents: Croco A fastener.

Model	Pcs/box	Product No.
CROCO A-20	500	02020
CROCO A-50	500	02050
CROCO A-80	500	02080
CROCO A-100	500	02100
CROCO A-120	500	02120
CROCO A-150	500	02150
CROCO A-170	500	02170
CROCO A-200	500	02200
CROCO A-230	250	02230
CROCO A-250	250	02250
CROCO A-300	250	022300
CROCO A-350	250	022350
CROCO A-400	250	022400
CROCO A-450	250	022450
CROCO A-500	250	022500
CROCO A-550	125	022550
CROCO A-600	125	022600
CROCO A-650	125	022650
CROCO A-700	125	022700



VILPE® CROCO B FASTENER

Description: For fastening multi-ply roof covering and insulation to sheet metal, concrete or wood structures. The Croco B Fastener should be fastened to the fix-layer with a VILPE roof screw, a VILPE concrete screw or a VILPE concrete nail. The length of the fastener should be chosen according to the thickness of the insulation material, as well as the screw or nail being used.

Dimensions: Flange Ø 50 mm. Insulation thicknesses in the selection table.

Contents: Croco B fastener.

Model	Pcs/box	Product No.
CROCO B-20	500	02520
CROCO B-30	500	02530
CROCO B-50	500	02550
CROCO B-80	500	02580
CROCO B-100	500	02600
CROCO B-110	500	02610
CROCO B-120	500	02620
CROCO B-140	500	02640
CROCO B-150	500	02650
CROCO B-170	500	02654
CROCO B-200	500	02660
CROCO B-230	250	02664
CROCO B-250	250	02670
CROCO B-260	250	02674
CROCO B-290	250	02678
CROCO B-300	250	02680
CROCO B-350	250	02690
CROCO B-400	250	02700
CROCO B-450	250	02710
CROCO B-500	250	02720
CROCO B-550	125	02730
CROCO B-600	125	02740



Croco A and B tools

A double-ended Torx installation bit is needed to fasten drill point screws and Croco fasteners. Concrete nails are installed using a concrete nail driver (blow stick) and a drilling hammer.

Pre-drilling of the concrete substructure is required when fastening concrete nails and concrete screws. The size of the drill used for pre-drilling should be Ø 5 mm. Standard SDS+ drills can be used with thinner insulation, while thicker insulation layers may require the use of a drill-extension rod and an M- or K-drill tool.

The length of the torx bit should be chosen according to the length of the fastener. We recommend that the bit is at least 30 mm longer than the fastener. 6 mm Torx tools cannot be used for adjustable Croco screws.

The Torx bit and M-drill with extension are sold separately.

* cannot be used with a Croco Adjustable screw

Model	Length	Product No.	
* 065-2X TORX BIT (6 mm)	65	910065	(outgoing model)
* 150-2X TORX BIT (6 mm)	150	910115	
* 350-2X TORX BIT (6 mm)	350	910135	
* 500-2X TORX BIT (6 mm)	500	910150	
* 700-2X TORX BIT (6 mm)	700	910170	(outgoing model)
K-DRILL 5/28 (90270)		90274	
K-DRILL EXTENSION-400 SDS	400	90270	
K-DRILL EXTENSION-600	600	90272	
K-DRILL EXTENSION-800	800	90277	
5X150/210 SDS+DRILL		9515206	
BLOW STICK-600 SDS+	600 ⁽¹⁾	90238	⁽¹⁾ using length 400 mm
BLOW STICK-800 SDS+	800 ⁽²⁾	90240	⁽²⁾ using length 600 mm
M-DRILL 5/35		90290	
M-DRILL 5/55		90291	
M-DRILL EXTENSION	750	90292	
700-2X (7 mm) TORX BIT ADJUSTABLE	700	910180	

Croco nails and screws

VILPE® KLA CONCRETE NAIL

Description: For fastening Croco B and Croco A Fasteners to concrete structures. The length of the nail should be chosen according to the insulation thickness and the fastener so that the installation depth is at least 20 mm. Drill size Ø 5 mm.

Dimensions: 35-155 mm
Contents: Concrete nail



This product will eventually be replaced with the Concrete screw TX.

Model	Pcs/box	Length	Product No.
KLA-35 CONCRETE NAIL	250	35 mm	67035
KLA-45 CONCRETE NAIL	250	45 mm	67045
KLA-55 CONCRETE NAIL	250	55 mm	67055
KLA-60 CONCRETE NAIL	250	60 mm	67060
KLA-65 CONCRETE NAIL	250	65 mm	67065
KLA-75 CONCRETE NAIL	250	75 mm	67075
KLA-85 CONCRETE NAIL	250	85 mm	67085
KLA-95 CONCRETE NAIL	250	95 mm	67095
KLA-105 CONCRETE NAIL	250	105 mm	67105
KLA-115 CONCRETE NAIL	250	115 mm	67115
KLA-125 CONCRETE NAIL	250	125 mm	67125
KLA-135 CONCRETE NAIL	250	135 mm	67135
KLA-145 CONCRETE NAIL	250	145 mm	67145
KLA-155 CONCRETE NAIL	250	155 mm	67155

VILPE® KLA DRILL POINT SCREW TX

Description: For fastening Croco B and Croco A Fasteners to sheet metal or wooden structures. The No. 1 screw should be used on sheet metal of maximum thickness 1.25 mm. The No. 3 screw should be used for thicker materials. The length of the screw should be chosen according to the insulation thickness and the length of the fastener, so that the screw pierces the steel to a depth of at least 15 mm.

Dimensions: 40-150 mm
Contents: KLA roof screw TX



KLA-40 NO-1 DRILL ROOFSCREW TORX	500	40 mm	425040
KLA-50 NO-1 DRILL ROOFSCREW TORX	500	50 mm	425050
KLA-70 NO-1 DRILL ROOFSCREW TORX	250	70 mm	425070
KLA-90 NO-1 DRILL ROOFSCREW TORX	250	90 mm	425090
KLA-110 NO-1 DRILL ROOFSCREW TORX	250	110 mm	425110
KLA-130 NO-1 DRILL ROOFSCREW TORX	250	130 mm	425130
KLA-150 NO-1 DRILL ROOFSCREW TORX	250	150 mm	425150
KLA-50 NO-3 DRILLSCREW TORX	500	50 mm	427050
KLA-70 NO-3 DRILLSCREW TORX	250	70 mm	427070
KLA-90 NO-3 DRILLSCREW TORX	250	90 mm	427090
KLA-110 NO-3 DRILLSCREW TORX	250	110 mm	427110
KLA-130 NO-3 DRILLSCREW TORX	250	130 mm	427130
KLA-150 NO-3 DRILLSCREW TORX	250	150 mm	427150

VILPE® CONCRETE SCREW TX

Description: For fastening Croco B and Croco A Fasteners to concrete structures. The length of the screw should be chosen according to the insulation thickness and the length of the fastener so that the installation depth is at least 20 mm. Drill size Ø 5 mm.

Dimensions: 40-150 mm
Contents: Concrete screw TX



CONCRETE SCREW 6.3 x 35 TX 25	250	35 mm	672035
CONCRETE SCREW 6.3 x 50 TX 25	250	50 mm	672050
CONCRETE SCREW 6.3 x 60 TX 25	250	60 mm	672060
CONCRETE SCREW 6.3 x 70 TX 25	250	70 mm	672070
CONCRETE SCREW 6.3 x 80 TX 25	250	80 mm	672080
CONCRETE SCREW 6.3 x 90 TX 25	250	90 mm	672090
CONCRETE SCREW 6.3 x 100 TX 25	250	100 mm	672100
CONCRETE SCREW 6.3 x 110 TX 25	250	110 mm	672110
CONCRETE SCREW 6.3 x 120 TX 25	250	120 mm	672120
CONCRETE SCREW 6.3 x 130 TX 25	250	130 mm	672130

VILPE® CROCO ADJUSTABLE SCREW 95 MM

Description: For fastening Croco A and B 150-700 Fasteners to concrete or wooden structures. Product has a Torx 25 (TX25) screw head, and is required in order to install adjustable fasteners. A 700-2X Torx bit adjustable (7 mm) is needed for the installation.

Dimensions: Socket: 80 mm, Ø 7 mm. Screw: 6.3 x 95 TX25.
Contents: Screw



250 21000 02704

VILPE® CROCO ADJUSTABLE SCREW 150 MM

Description: For fastening Croco A and B 150-700 Fasteners to concrete structures. Product has a Torx 25 (TX25) screw head, and is required in order to install adjustable fasteners. A 700-2X Torx bit adjustable (7 mm) is needed for the installation.

Dimensions: Socket: 125 mm, Ø 7 mm. Screw: 6.3 x 150 TX25.
Contents: Screw



250 21000 02703

Croco 512

VILPE® CROCO 512

Description: For fastening roof covering and insulation to aerated concrete (Siporex). The length of the fastener should be chosen according to the insulation thickness so that the installation depth is at least 50 mm deep in the base. A hole of Ø 12 mm and 50–70 mm deep must be pre-drilled. Expansion plug which fastens the fastener to aerated concrete is included.

Dimensions: Flange Ø 50 mm.

Contents: Croco 512 fastener, expansion plug.

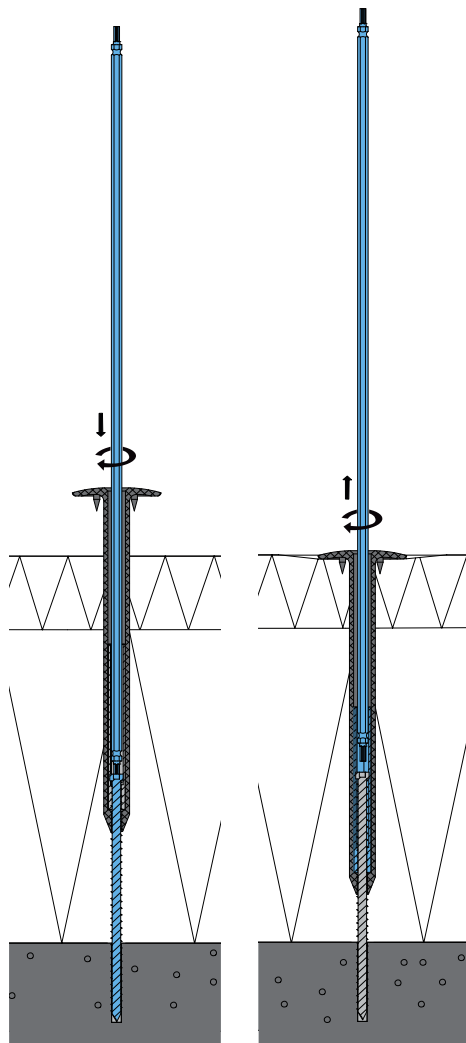
Model	Pcs/pack	Product No.
00-10 mm	500	054010
10-30 mm	500	054030
30-50 mm	500	054050
50-70 mm	500	054070
80-100 mm	500	054100
100-120 mm	500	054120
120-140 mm	500	054140
140-160 mm	500	054160
180-200 mm	250	054200
230-250 mm	250	054250
280-300 mm	250	054300
330-350 mm	250	054350
380-400 mm	250	054400



Croco-512 tools

To install Croco 512 fasteners, a hole of Ø 12 mm should be drilled with an edge drill into the aereted concrete (Siporex). The steel wedge of the 60-300 mm long Croco 512 fastener should then be installed with a setting tool or a peg for setting tool. The steel wedge of the 250-500 mm long Croco 512 fastener should instead be installed with a handpeg.

Model	Length	Product No.
512-DRILL 12X400		90400
SETTING TOOL 308/512 (Croco-512: 60 - 300 mm)		90010
PEG FOR SETTING TOOL (Croco-512: 60 - 300 mm)	320	90011
480-HANDPEG (308/512) (Croco-512: 250 - 500 mm) total length 600 mm	480	90048



Installation of a felt roof using VILPE fasteners.



Selection table for fasteners

Insulation mm	Croco + KLA roof screw		Croco + concrete screw	
	Croco A & B	Screw	Croco A & B	Screw
30	20	50	20	50
40	20	70	20	60
50	20	70	20	70
60	20	90	20	80
70	50	70	50	60
80	50	70	50	70
90	50	90	50	80
100	80	70	80	60
110	80	70	80	70
120	100	70	100	60
130	100	70	100	70
140	120	70	120	60
150	120	70	120	70
160	120	70	120	60
170	150	70	150	60
180	150	70	150	70
190	170	70	170	60
200	170	70	170	70
210	170	90	170	80
220	200	70	200	60
230	200	70	200	70
240	200	90	200	80
250	230	70	230	60
260	230	70	230	70
270	230	90	230	80
280	250	70	250	70
290	250	90	250	80
300	250	90	250	90
310	250	110	250	100
320	250	110	250	110
330	300	70	300	70
340	300	90	300	80
350	300	90	300	90
360	300	110	300	100
370	300	110	300	110
380	350	70	350	70
390	350	90	350	80
400	350	90	350	90
410	350	110	350	100
420	350	110	350	110
430	350	130	350	120
440	400	90	400	80
450	400	90	400	90
460	400	110	400	100
470	400	110	400	110
480	400	130	400	120
490	450	90	450	80
500	450	90	450	90
510	450	110	450	100
520	450	110	450	110
530	450	130	450	120
540	450	130	450	130
550	500	90	500	90
560	500	110	500	100
570	500	110	500	110
580	500	130	500	120
590	500	130	500	130
600	550	90	550	90
610	550	110	550	100
620	550	110	550	110
630	550	130	550	120
640	550	130	550	130
650	600	90	600	90
660	600	110	600	100
670	600	110	600	110
680	600	130	600	120
690	600	130	600	130
700	650*	90	700*	90
710	650*	110	650*	100
720	650*	110	650*	110
730	650*	130	650*	120
740	650*	130	650*	130
750	700*	90	700*	90
760	700*	110	700*	100
770	700*	110	700*	110
780	700*	130	700*	120
790	700*	130	700*	130
800	700*	150		
810	700*	150		

Compression flex should be considered under roof walkways, when installing on soft insulation and in areas where high loads are expected.
*Only available as Croco A fasteners.

The length of the adjustable fasteners and their suitability for different insulation thicknesses

Insulation mm	Croco mm	Adjustable screw 95 mm	Adjustable screw 150 mm
110-140	100	x	
130-160	120	x	
160-180	140	x	
170-190	150	x	
170-250	150		x
190-210	170	x	
220-240	200	x	
220-300	200		x
250-270	230	x	
280-290	250	x	
280-350	250		x
310-340	300	x	
330-400	300		x
380-450	350		x
430-500	400		x
480-550	450		x
530-600	500		x
580-650	550		x
630-700	600		x
680-750	650*		x
730-800	700*		x

Alter Croco length with adjustable screws

The modern Croco A and B fasteners with adjustable screws make roof installations easier and faster, as the length of the fasteners can be easily adjusted to follow the roof slope. The risk of mounting errors decreases as the fasteners can be adjusted according to the thickness of the roofing and insulation materials. One fastener model covers a wider range of insulation thicknesses. Adjustable fasteners can be used for both new construction and renovation.

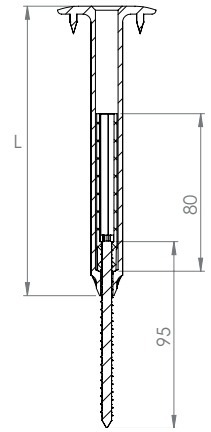
Adjustable Croco screws 95 can be used with Croco A and Croco B fasteners (model 100 or larger). Adjustable Croco screws 150 can be used with Croco A and B fasteners (model 150 and larger).



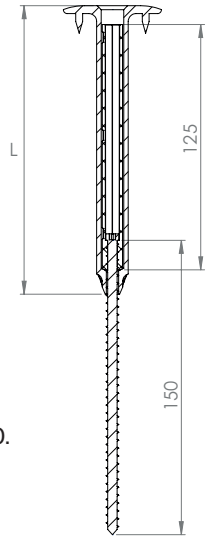
VILPE Croco A fastener + adjustable screw



VILPE Croco B fastener + adjustable screw



VILPE Croco A fastener + Adjustable Croco screw 95. L is the length of the Croco model.



VILPE Croco A fastener + Adjustable Croco screw 150. L is the length of the Croco model.

