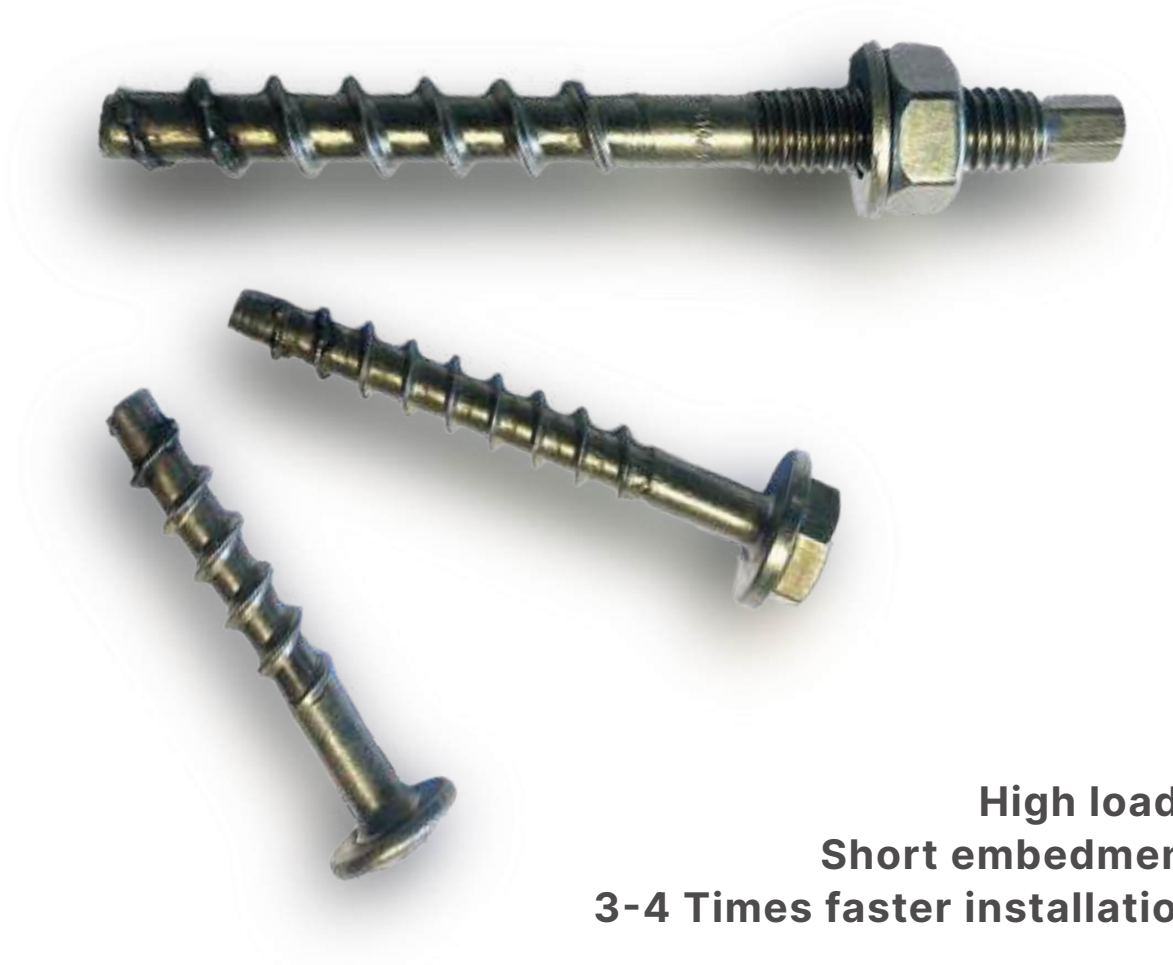




certifix
YOUR FIXING SPECIALIST

CERTIFIX CFCS

Concrete Screws



**High loads.
Short embedment.
3-4 Times faster installation.**

PRODUCT DESCRIPTION

Certifix CFCS is a high performance, highly versatile concrete screw, ideally suited for use on Rainscreen Cladding but also for use helping fasten hand brackets, fire barrier brackets, high racking, safety rails, metal profiles, base plates and consoles. Available in both A4 Stainless and Zinc-Plated steel, **Certifix CFCS Concrete Screws** feature a saw tooth geometry, making them perfect for a quick and easy installation and eliminating the need to clean the drill hole for installation in ceilings and walls.

PRODUCT FEATURES

- Ideal for use in reinforced and unreinforced normal concrete and in cracked and non-cracked concrete
- Quick, safe and easy installation thanks to saw tooth geometry
- Available in stainless steel A4 and HCR
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately with adjustment possible
- Fire rated and ETA approved





OVERVIEW

Certifix CFCS is suitable for high load applications, has approval in multiple embedment depths, is suitable for multiple challenging substrates, making it ideal for Façade and Cladding applications such as helping hand brackets and fire brackets back to concrete / masonry. It's also suitable for fastening racking, safety rails, metal profiles, base plates and consoles. Available and stocked primarily in A4 Stainless for external and coastal applications, however Zinc-Flake steel is also available from stock in some sizes and can be made to order within reasonable time scales.

Certifix CFCS Concrete Screws feature a unique saw tooth geometry (this varies for A4 & Zinc), making them perfect for a quick and easy installation and eliminating the need to clean the drill hole for installation in ceilings and walls when you're not using the hybrid resin system.

Certifix CFCS Concrete Screws are also available for use with CF-T resin, which can improve real life performance in challenging substrates – such as no-fines concrete & some types of blockwork. Unlike conventional resin fixings, the CFCS Hybrid Resin system can have load applied right away.

Compared to other options such as through bolts, **CFCS Concrete Screws** can offer an decrease of 3.5 – 4x in installation labour time, saving huge amounts in labour & equipment hire costs across the site.

Our A4 concrete screws are superior to the cheaper options on the market as they are stainless from head to tip, the carbon teeth are welded and hand checked, alternatives on the market have a 25mm carbon end welded on which results in increases embedment depths and reduced load capacity. Our ETA approval also covers multiple embedment depths and gives loading data in fire up to 2 hours.

Our supply chain is secure and we have large range of A4 stainless available from stock.

MATERIALS

- Zinc Flake Steel
- Zinc Plated Steel
- Zinc Coating for category C5 - 4800hrs (Corrosivity Tested on CFCS 8+)
- A4 Stainless Steel
- HCR Stainless Steel



SUBSTRATES

- Reinforced and unreinforced normal concrete
- Approval for concrete from C20/25 to C50/60
- Cracked and non-cracked concrete
- No fines concrete*
- Concrete blockwork*
- Brickwork & masonry*

* Must have a pull test

HEX WASHER HEAD

Suitable for helping hand bracket fixings – the washer head gives increase surface area, this is improved with a CFCS A4 washer which stops the brackets spinning on installation, and also gives more surface area for the concrete screw to press against on installation.

Suitable for fire barrier fixings – no washer recommended for this application.

Suitable for some type of U Channel.



EXTERNAL THREAD WITH HEX DRIVE

Suitable for helping hand bracket fixings – used with a full nut and washer.

Must be used in scenarios where post install BS8539:2012 proof load tests (aka pull tests) are required (for example in an LABC or NHBC Premier Guarantee warranty). The external thread option allows for unlimited adjustments to the bracket packing/spacing as the nut & washer can be adjusted/removed for testing as many times as necessary after installation, for other fixing head types it is impossible to know how many times it has been adjusted by the installer, therefore for ETA approval on post install checks this option must be used.



PAN HEAD WITH TORX DRIVE

Suitable for U Channel.

Suitable for helping hand brackets.

Suitable for fire barrier brackets – no washer recommended in this application.

Suitable for façade panels back to concrete reveals (this product can be powder coated).





APPLICATIONS

- Fastening of helping hand brackets into substrate
 - Fastening where post install checks are required
 - Fastening of fire barrier brackets into substrate
 - Railing systems for bridge construction
 - Fastening of high racking
 - Fastening of safety rails into substrate
 - Fastening of metal profiles into substrate
 - Fastening of U Channel into substrate*
 - Fastening of base plates/consolas into substrate
 - Fastening of facade panels back to concrete reveals*
- * Please check our head types description for specific applications.

SINGLE FASTENING WITHOUT FIRE EXPOSURE

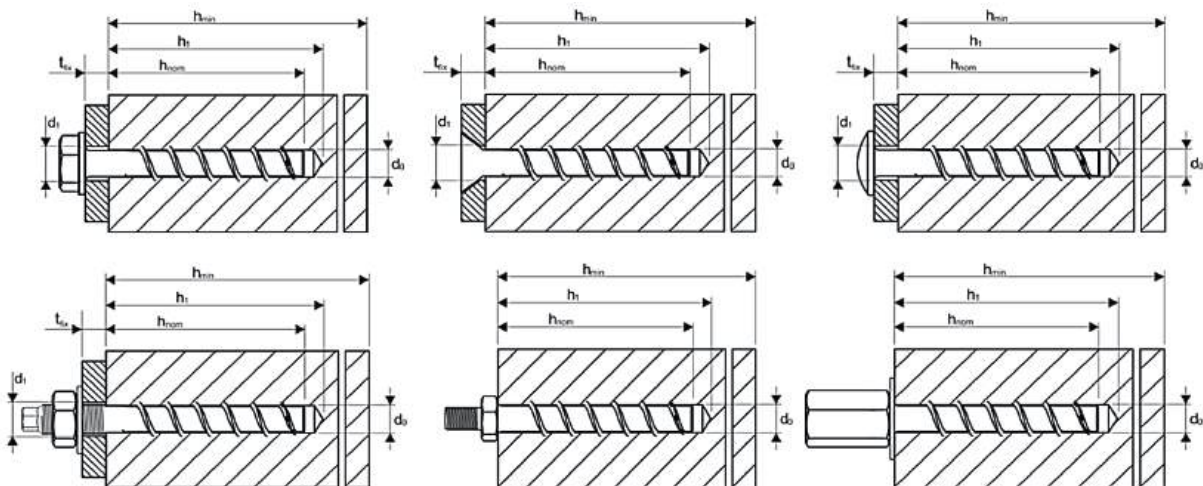
Technical characteristic without fire exposure for single fastening CFCS / CFCS A4 / CFCS HCR

Screw size CFCS high performance		CFCS 6		CFCS 8			CFCS 10			CFCS 12			CFCS 14		
Nominal embedment depth	h_{nom} [mm]	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$
		40	55	45	55	65	55	75	85	65	85	100	75	100	115
Nominal diameter of drill bit	d_0 [mm]	6		8			10			12			14		
Depth of drill hole	h_1 min [mm]	45	60	55	65	75	65	85	95	75	95	110	85	110	125
Effective anchorage depth	h_{ef} [mm]	31	44	35	43	52	43	60	68	50	67	80	58	79	92
Diameter of clearance hole in the fixture	d_f max [mm]	8		12			14			16			18		
Permissible tension load in cracked concrete 1);2)	N_{zul} [kN]	1.0	1.9	2.4	4.3	5.7	4.3	7.6	9.2	5.7	9	11.7	7.2	11.5	14.5
Permissible shear load in cracked concrete 1);2)	V_{zul} [kN]	2.8	4.0	3.4	4.6	6.2	4.6	15.2	18.4	5.8	18	23.5	7.2	23.0	28.9
Perm. tension load in non-cracked concrete 1);2)	N_{zul} [kN]	1.9	4.3	3.6	5.7	7.6	5.7	9.5	12.4	7.6	13.2	17.2	10.6	16.9	21.2
Perm. shear load in non-cracked concrete 1);2)	V_{zul} [kN]	4.0	4.0	5.0	6.8	9.0	6.8	19.4	19.4	8.5	24.0	24.0	10.6	32.0	32.0
Permissible bending resistance	M_{zul} [kN]	6.2		14.9			32.0			64.6			105.7		
Minimum edge distance	c_{min} [mm]	40		40	50		50			50	70		50	70	
Minimum spacing	s_{min} [mm]	40		40	50		50			50	70		50	70	
Minimum base material thickness	h_{min} [mm]	100		100	120		100	130		120	130	150	130	150	170
Installation torque (with metric connection thread)	T_{inst} [Nm]	10		20			40			60			80		
Maximum torque (with Impact screw driver)	[Nm]	160		300			400			650			650		
ETA seismic C1		ok		-	ok		ok	-	ok	-	ok		-	ok	
ETA seismic C2 3)		-		-	ok		-	ok		-	ok		-	ok	

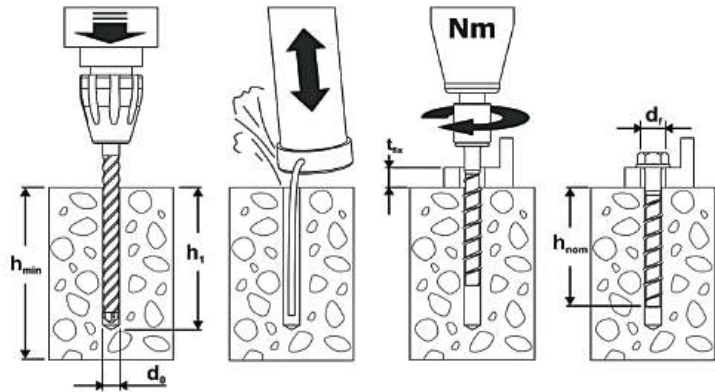
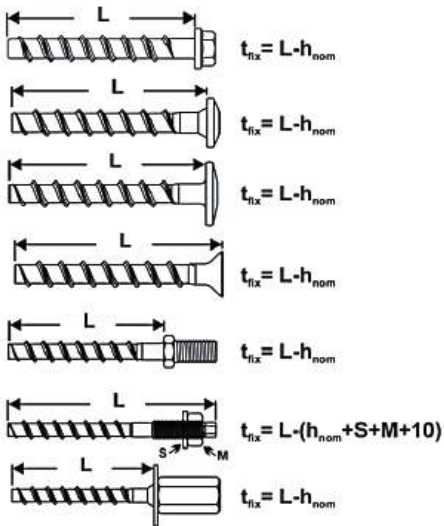
1) The partial safety factor for material resistance from the approval $\gamma_M=1,5$ as well a partial safety factor for load actions $\gamma_F=1,4$ were considered for determining the load.

2) These values apply without influence of the spacing and edge distances

3) C2 only for version zinc plated



INSTALLATION



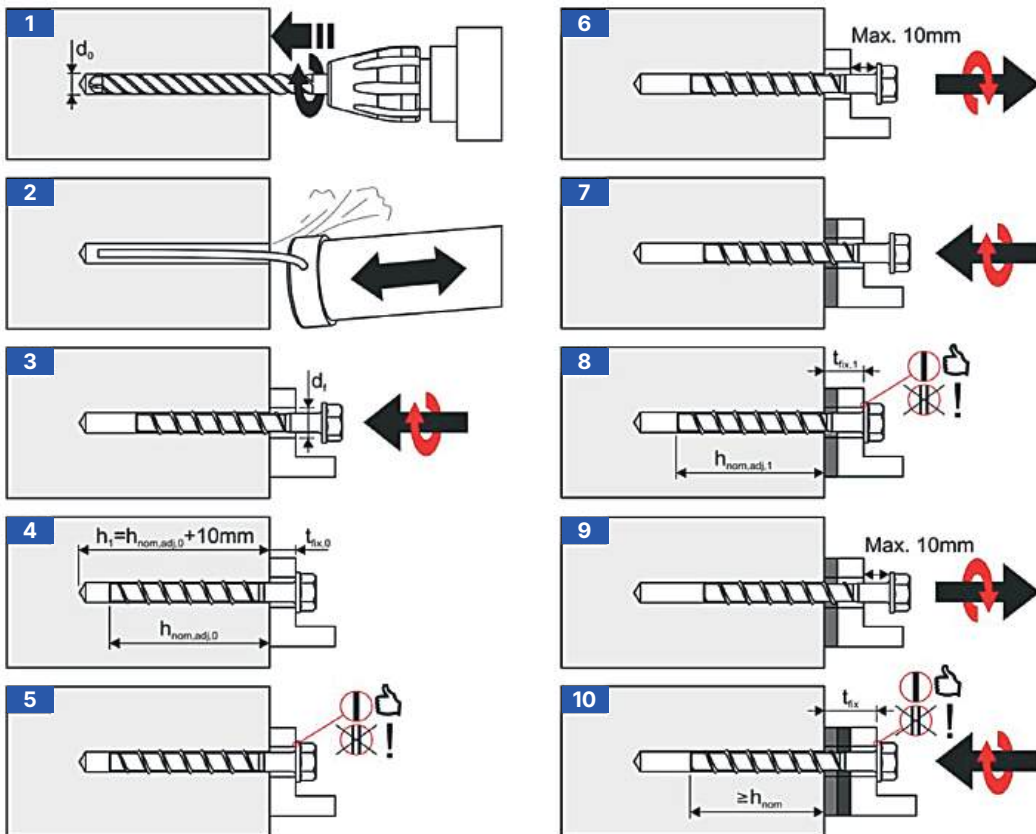
IMPORTANT

The anchor may be adjusted maximum two times while the anchor may turn back at most 10 mm.*

The total allowed thickness of shims added during the adjustment process is 10 mm.*

The final embedment depth after adjustment process must be equal or longer than h_{nom} .

* Please note as a solution to this limitation (especially in the scenario where you need to perform post install checks), the external thread version may be used with nuts and washers to allow unlimited adjustments (adjusting the nuts and washers used with packers).



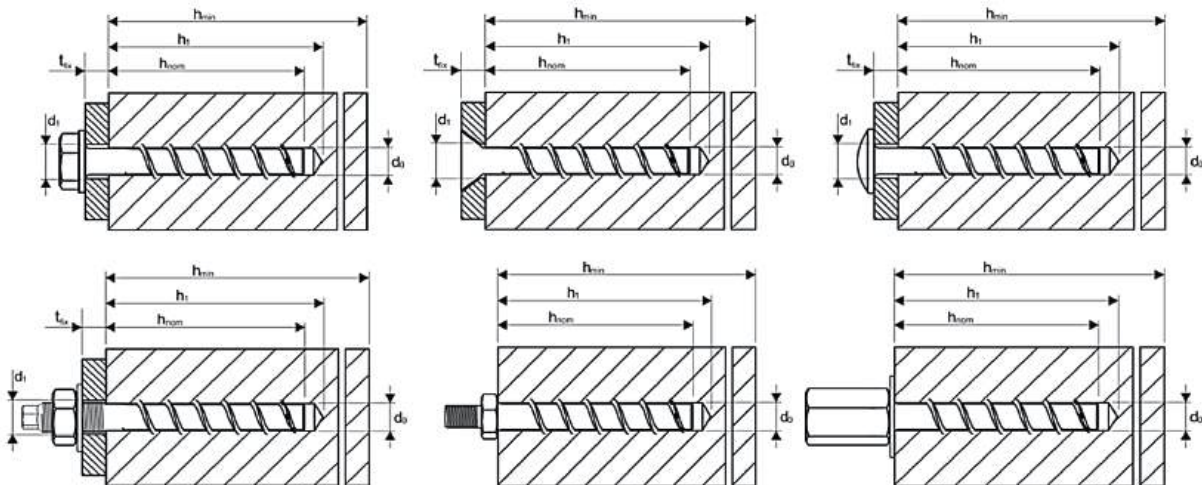


SINGLE FASTENING WITH FIRE EXPOSURE

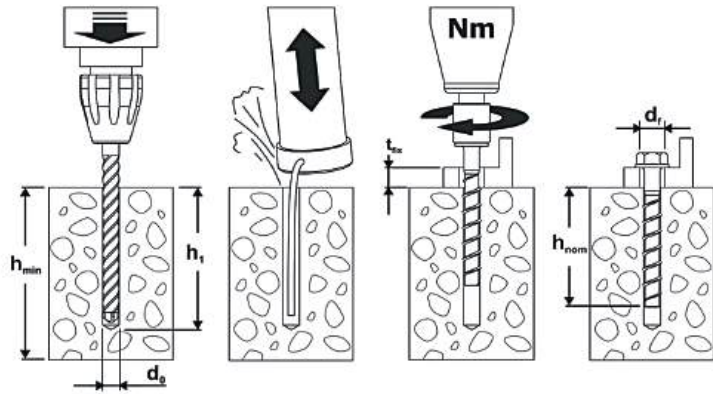
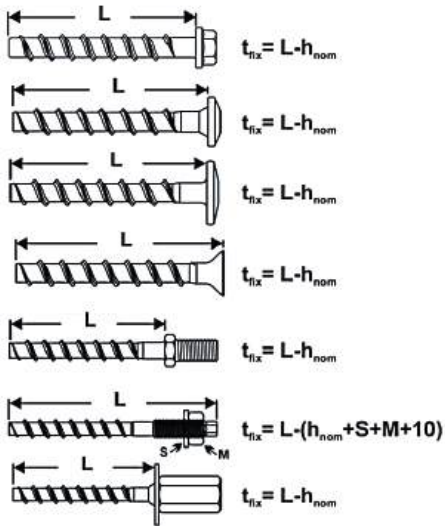
Technical characteristic under fire exposure for single fastening CFCS / CFCS A4 / CFCS HCR

Screw size CFCS high performance			CFCS 6		CFCS 8			CFCS 10			CFCS 12			CFCS 14			
Nominal embedment depth			$h_{nom,1}$	$h_{nom,2}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	$h_{nom,1}$	$h_{nom,2}$	$h_{nom,3}$	
Permissible load under tensile and shear use ($F_{zul,fi} = N_{zul,fi} = V_{zul,fi}$)			40	55	45	55	65	55	75	85	65	85	100	75	100	115	
Fire resistance class																	
R 30	Permissible Load	$F_{zul,fi 30}$ [kN]	0.5	0.9	1.3	2.3	2.3	2.3	4.1	4.3	3.0	5.0	6.7	3.9	8.8	9.1	
R 60		$F_{zul,fi 60}$ [kN]	0.5	0.8	1.3	1.7	1.7	2.3	3.3	3.3	3.0	5.0	5.8	3.9	8.2	8.2	
R 90		$F_{zul,fi 90}$ [kN]	0.5	0.6	1.3	1.1	1.1	2.3	2.2	2.2	3.0	4.2	4.2	3.9	5.9	5.9	
R 120		$F_{zul,fi 120}$ [kN]	0.4	0.4	0.7	0.7	0.7	1.7	1.7	1.7	2.4	3.4	3.4	3.1	4.8	4.8	
R 30		$M_{zul, 30}$ [Nm]	0.7		2.4			5.9			12.3			20.4			
R 60		$M_{zul, 60}$ [Nm]	0.6		1.8			4.5			9.7			15.9			
R 90		$M_{zul, 90}$ [Nm]	0.5		1.2			3.0			7.0			11.6			
R 120		$M_{zul,120}$ [Nm]	0.3		0.9			2.3			5.7			9.4			
Edge Distance			$C_{cr,fi}$ [mm]			2 x hef											
The edge distance must be at least 300mm if the fire stress of more than one side attacks																	
Spacing			$S_{cr,fi}$ [mm]			2 x $C_{cr,fi}$											
Concrete pry-out failure			k [-]			1.0											
For wet concrete, the anchoring depth must be increased by at least 30mm																	

1) The partial safety factor for material resistance from the approval $\gamma_M=1,0$ as well a partial safety factor for load actions $\gamma_F=1,0$ were considered for determining the load.



INSTALLATION



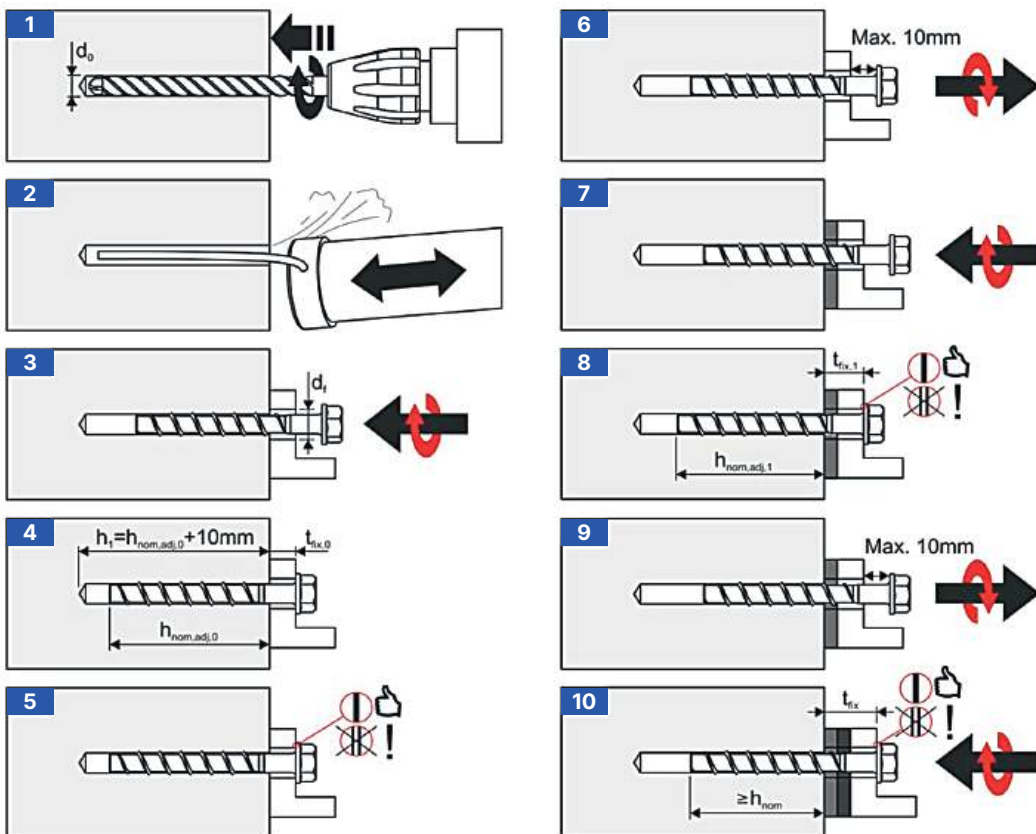
IMPORTANT

The anchor may be adjusted maximum two times while the anchor may turn back at most 10 mm.*

The total allowed thickness of shims added during the adjustment process is 10 mm.*

The final embedment depth after adjustment process must be equal or longer than h_{nom} .

*Please note as a solution to this limitation (especially in the scenario where you need to perform post install checks), the external thread version may be used with nuts and washers to allow unlimited adjustments (adjusting the nuts and washers used with packers).



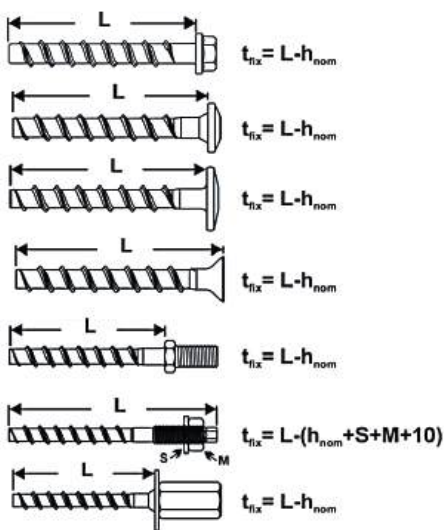


MULTIPLE FASTENING WITHOUT FIRE EXPOSURE

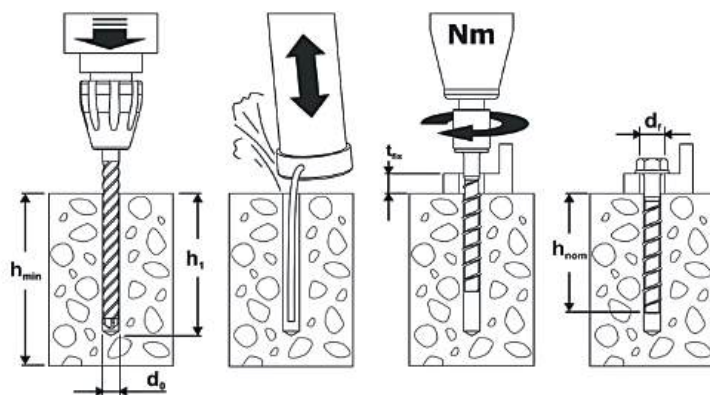
Technical characteristic without fire exposure for single fastening CFCS / CFCS A4 / CFCS HCR

Screw size CFCS high performance		CFCS 5		CFCS 6	
Nominal embedment depth	h_{nom} [mm]	35		35	55
Nominal diameter of drill bit	d_0 [mm]	5		6	
Depth of drill hole	h_1 min [mm]	40		40	60
Effective anchorage depth	h_{ef} [mm]	27		27	44
Diameter of clearance hole in the fixture	d_f max [mm]	7		8	
Permissible tension load in cracked concrete ^{1),2)}	N_{zul} [kN]	0.6		1.4	3.6
Permissible shear load in cracked concrete ^{1),2)}	V_{zul} [kN]	2.4		2.4	4
Perm. tension load in non-cracked concrete ^{1),2)}	N_{zul} [kN]	0.6		1.4	3.6
Perm. shear load in non-cracked concrete ^{1),2)}	V_{zul} [kN]	2.5		3.4	4
Minimum edge distance	M_{zul} [mm]	35		35	40
Minimum spacing	C_{min} [mm]	35		35	40
Minimum base material thickness	S_{min} [mm]	80		80	100
Installation torque (with metric connection thread)	h_{min} [Nm]	8		10	
Maximum torque (with Impact screw driver)	T_{inst} [Nm]	140		160	

- 1) The partial safety factor for material resistance from the approval $\gamma_M=1,5$ as well as a partial safety factor for load actions $\gamma_F=1,4$ were considered for determining the load.
- 2) These values apply without influence of the spacing and edge distances.



ASSEMBLY INSTRUCTIONS

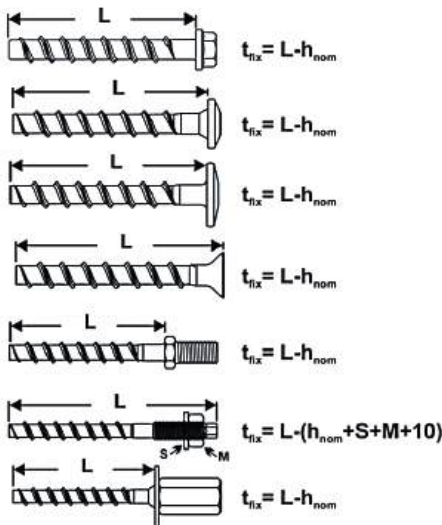




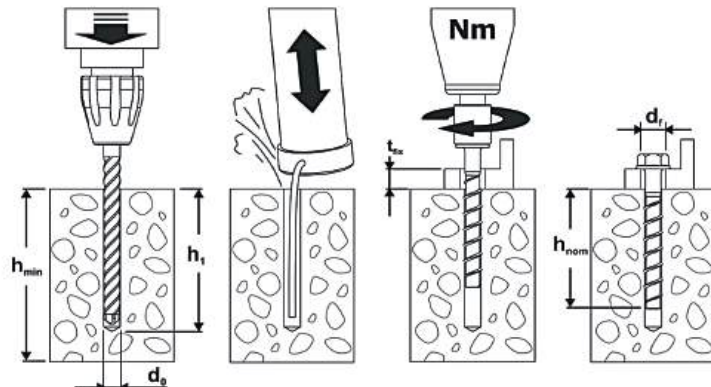
MULTIPLE FASTENING WITH FIRE EXPOSURE

Technical characteristics under fire exposure for multiple fastening CFCS / CFCS A4 / CFCS HCR							
Screw size CFCS high performance			CFCS 8		CFCS 6 A4 / HCR		
Nominal embedment depth	h_{nom}	[mm]	35	55	35	55	
Permissible load under tensile and shear use ($F_{zul,fi} = N_{zul,fi} = V_{zul,fi}$)							
Fire resistance class							
R 30	Permissible Load	$F_{zul,fi}$ 30	[kN]	0.4	0.9	0.4	1.2
R 60		$F_{zul,fi}$ 60	[kN]	0.4	0.8	0.4	1.2
R 90		$F_{zul,fi}$ 90	[kN]	0.4	0.6	0.4	1.2
R 120		$F_{zul,fi}$ 120	[kN]	0.3	0.4	0.3	0.8
R 30		$M_{zul,fi}$ 30	[Nm]	0.7		0.9	
R 60		$M_{zul,fi}$ 60	[Nm]	0.6		0.9	
R 90		$M_{zul,fi}$ 90	[Nm]	0.5		0.9	
R 120		$M_{zul,fi}$ 120	[Nm]	0.3		0.6	
Edge Distance							
R 30 to R 120	$C_{cr,fi}$	[mm]	2 x hef				
The edge distance must be at least 300mm if the fire stress of more than one side attacks							
Spacing							
R 30 to R 120	$S_{cr,fi}$	[mm]	2 x $C_{cr,fi}$				
Concrete pry-out failure							
R 30 to R 120	k	[-]	1.0				
For wet concrete, the anchoring depth must be increased by at least 30mm							

1) The partial safety factor for material resistance from the approval $\gamma_M=1,0$ as well a partial safety factor for load actions $\gamma_F=1,0$ were considered for determining the load.



ASSEMBLY INSTRUCTIONS

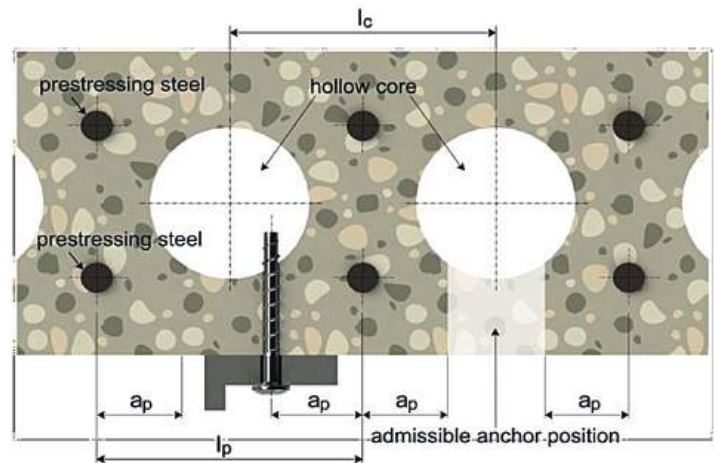
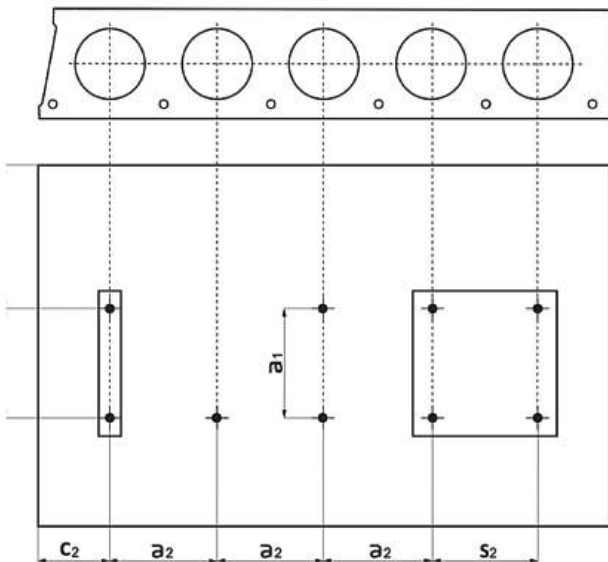
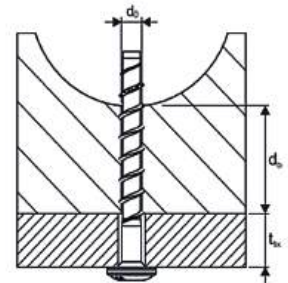




MULTIPLE FASTENING HOLLOW CORE

Technical characteristics without fire exposure in prestressed hollow core slabs CFCS / CFCS A4 / C

Screw size CFCS high performance	db	[mm]	CFCS 6		
			25	30	35
Bottom flange thickness	db	[mm]			
Nominal diameter of drill bit	d0	[mm]		6	
Depth of drill hole	h1	min [mm]	30	35	40
Clearance hole diameter	df	max [mm]		8	
Permissible tension load	Fzul	[kN]	0.48	0.95	1.43
Minimum edge distance	Cmin	[mm]		100	
Minimum spacing	Smin	[mm]		100	
Minimum distance between anchor groups	amin	[mm]		100	
Core distance	lc	min [mm]		100	
Prestressing steel distance	lp	min [mm]		100	
Dist. between anchor position & prestressing steel	ap	min [mm]		50	
Hollow core width (w)					
Bridge width (e)	(w/e)	max [mm]		4.2	
Installation torque	Tinst	[Nm]		10	
Max. torque (for impact screw driver)		[Nm]		160	



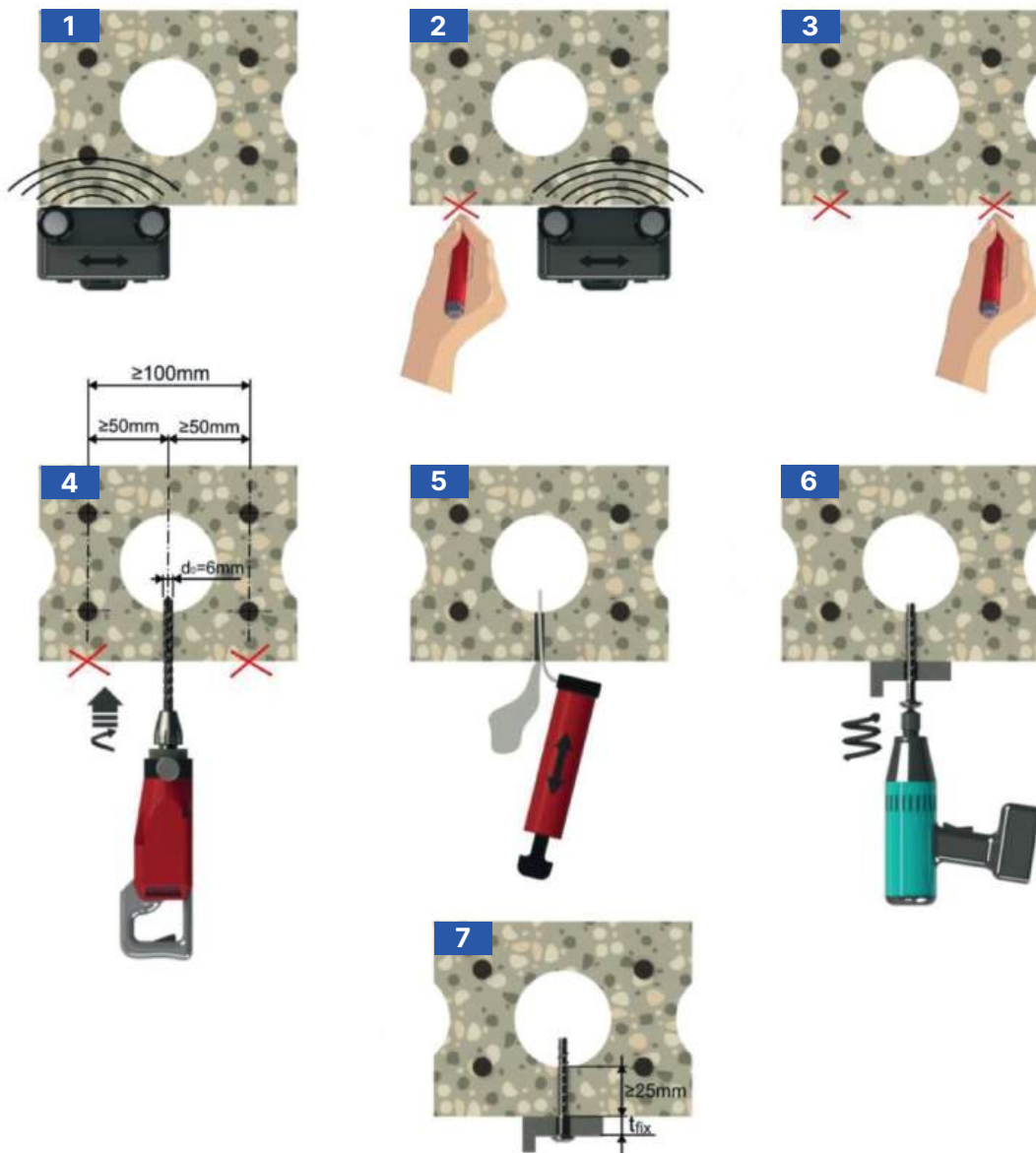
lc = Distance between cavities
 lp = Distance between prestressed steel
 ap = Distance between prestressed steel and drill hole

C1, C2 = Edge spacing
 S1, S2 = Centre distance
 a1, a2 = Distance between anchor groups





ASSEMBLY INSTRUCTIONS



- 1) Use a rebar scanner to find the rebar
- 2) Use a marker pen to mark out the rebar areas
- 3) Continue marking the areas
- 4) Create a drill hole in the rebar free area
- 5) Blow out drill hole
- 6) Drive in the concrete screw*
- 7) Ensure the screw head is completely resting on the fixture

*Ensure your driving tool does not exceed the maximum torque allowable for the selected concrete screw.



INDUSTRY LEADING PROOF/ULTIMATE LOAD (PULL TEST) REPORTS

- 1) Type of test
 - 2) a. Ultimate Load Test to BS8539:2012 - Where the tester takes the anchor to it's **Failure Load** in the substrate tested - used to determine an **Allowable Load** where the ETA approval does not have enough information in the substrate tested, or the client wants to test the fixing & substrate combination to it's limits. The **Allowable Load** cannot exceed the load allowed for in the ETA approval. The structural engineer can use this load to ensure the allowable load will exceed the **Applied Load**.
 - b. Proof Load Test to BS8539:2012 - pre installed fixings on site are tested to an agreed **Factored Load** which is less than the **Recommended Load**.
 - 3) Purpose of Fixing (to substrate) - e.g:
 - 4) a. Helping hand bracket
 - b. Fire barrier bracket
 - c. Base plate
 - 5) Test Standard Used
 - 6) Substrates Tested
 - 7) Site Attendee / Author
- We then give you an idea of the conditions on site - with the following:
- 1) Site Condition Assessment - one for each substrate
 - 2) Site Environment
 - a. Corrosivity
 - b. Building height compared to surrounding area - potential for high wind loads? We then move onto the actual tests. We start by giving an detailed overview of the fixings tested, then we give you an in depth report on each test, noting any anomalies encountered in each test area. We would usually note down the area for each test, the method varies by building.
 - 3) Fixing Tested
 - 4) Test Reports
 - 5) a. Graph showing the performance of the fixing when
 - b. tensile load is applied during the test over time
 - c. Image showing the area tested and the fixing in situ
 - d. Traceable test reference
 - e. Highest tensile load achieved during test
 - e. Notes of any anomalies during the test, location tested, etc
 - 6) Observations
 - 7) a. One per substrate
 - b. Notes of any failures we encountered
 - c. Solutions for each failure type if possible
 - 8) Summary and Recommendations
 - 9) a. Gives a brief overview of the overall opinion of the tester who attended site
 - b. Suggested anchor for each substrate - chosen on the basis of
 - Performance during tests
 - Suitability for environment
 - Insurance requirements
 - c. We also tell you the accessories required for each anchor type as well
 - 10) Installation Methodology
 - a. Step by step instructions for each anchor type, this might differ per substrate
 - b. Required tools for each anchor type (and substrate)



On-site testing available on this product.
Book yours now at www.certifix.co.uk/bookings/pull-test



CFCS II Hex Washer Head

Stainless Steel A4

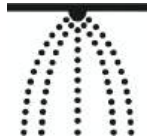
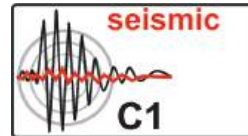
ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Version with hexagon washer head

Size	Head Ø
6	17mm
8	16mm
10	20mm



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced/unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.



SKU	Product Name	Depth of drill hole $h_{o1} / h_{o2} / h_{o3}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSIIH4-6*50	CFCS II concrete screw 6x50 washer head A4 stainless SW13	40mm / 50mm / -	35mm / 45mm / -	15mm / 5mm / -	100
CFCSIIH4-6*60	CFCS II concrete screw 6x60 washer head A4 stainless SW13	40mm / 50mm / 60mm	35mm / 45mm / 55mm	25mm / 15mm / 5mm	100
CFCSIIH4-8*70	CFCS II concrete screw 8x70 washer head A4 stainless SW13	55mm / 65mm / 75mm	45mm / 55mm / 65mm	25mm / 15mm / 5mm	50
CFCSIIH4-8*80	CFCS II concrete screw 8x80 washer head A4 stainless SW13	55mm / 65mm / 75mm	45mm / 55mm / 65mm	35mm / 25mm / 15mm	50
CFCSIIH4-10*90	CFCS II concrete screw 10x90 washer head A4 stainless SW15	65mm / 85mm / 95mm	55mm / 75mm / 85mm	35mm / 15mm / 5mm	50
CFCSIIH4-10*100	CFCS II concrete screw 10x100 washer head A4 stainless SW15	65mm / 85mm / 95mm	55mm / 75mm / 85mm	45mm / 25mm / 15mm	50
CFCSIIH4-10*120	CFCS II concrete screw 10x120 washer head A4 stainless SW15	65mm / 85mm / 95mm	55mm / 75mm / 85mm	65mm / 45mm / 35mm	50





CFCS II Countersunk Head

Stainless Steel A4

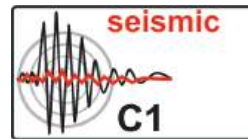
ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Version with countersunk head
with multipoint drive

Size	Head Ø
6	13mm
8	19.5mm
10	21.5mm



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced/unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.
- Countersunk head: Tidy, clean finish.



SKU	Product Name	Depth of drill hole $h_{o1} / h_{o2} / h_{o3}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSIIC4-6*50	CFCS II concrete screw 6x50 countersunk head A4 stainless	40mm / 50mm / -	35mm / 45mm / -	15mm / 5mm / -	100
CFCSIIC4-6*65	CFCS II concrete screw 6x65 countersunk head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	30mm / 20mm / 10mm	100
CFCSIIC4-6*85	CFCS II concrete screw 6x85 countersunk head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	30mm / 40mm / 30mm	100
CFCSIIC4-6*105	CFCS II concrete screw 6x105 countersunk head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	70mm / 60mm / 50mm	100
CFCSIIC4-8*80	CFCS II concrete screw 8x80 countersunk head A4 stainless	55mm / 65mm / 75mm	45mm / 55mm / 65mm	35mm / 25mm / 15mm	50
CFCSIIC4-8*100	CFCS II concrete screw 8x100 countersunk head A4 stainless	55mm / 65mm / 75mm	45mm / 55mm / 65mm	55mm / 45mm / 35mm	50
CFCSIIC4-8*120	CFCS II concrete screw 8x120 countersunk head A4 stainless	55mm / 65mm / 75mm	45mm / 55mm / 65mm	75mm / 65mm / 55mm	50
CFCSIIC4-10*90	CFCS II concrete screw 10x90 countersunk head A4 stainless	65mm / 85mm / 95mm	55mm / 75mm / 85mm	35mm / 15mm / 5mm	50
CFCSIIC4-10*100	CFCS II concrete screw 10x100 countersunk head A4 stainless	65mm / 85mm / 95mm	55mm / 75mm / 85mm	45mm / 25mm / 15mm	50
CFCSIIC4-10*120	CFCS II concrete screw 10x120 countersunk head A4 stainless	65mm / 85mm / 95mm	55mm / 75mm / 85mm	65mm / 45mm / 35mm	50



CFCS II PanHead

Stainless Steel A4

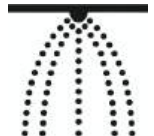
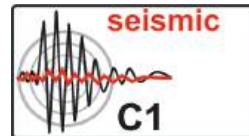
ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Version with pan head and TX internal drive

Size **Head Ø**
 6 15mm



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced/unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.



SKU	Product Name	Depth of drill hole $h_{01} / h_{02} / h_{03}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSIIP4-6*50	CFCS II concrete screw 6x50 Pan head A4 stainless	40mm / 50mm / -	35mm / 45mm / -	15mm / 5mm / -	100
CFCSIIP4-6*60	CFCS II concrete screw 6x60 Pan head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	25mm / 15mm / 5mm	100
CFCSIIP4-6*80	CFCS II concrete screw 6x80 Pan head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	45mm / 35mm / 25mm	100
CFCSIIP4-6*100	CFCS II concrete screw 6x100 Pan head A4 stainless	40mm / 50mm / 60mm	35mm / 45mm / 55mm	65mm / 55mm / 45mm	100

CFCS II Metric Thread

Stainless Steel A4

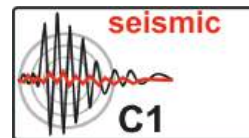
ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Version with metric female thread
M8/M10

Size **Head Ø**
6 25mm



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced/unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.



SKU	Product Name	Depth of drill hole $h_{o1} / h_{o2} / h_{o3}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSIIF4-6*45/M8/M10	CFCS II concrete screw 6x45 Metric thread A4 stainless M8/10	50mm / - / -	45mm / - / -	- / - / -	50

CFCS II External Metric Thread

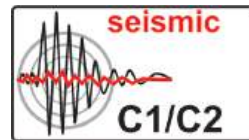
Stainless Steel A4

ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Version with metric connection thread



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced/unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.



SKU	Product Name	Depth of drill hole $h_{01} / h_{02} / h_{03}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSII4-8*105/10*30	CFCS II concrete screw 8x105 Metric thread A4 stainless M10x30 SW7	55mm / 65mm / 75mm	45mm / 55mm / 65mm	39mm / 29mm / 19mm	50
CFCSII4-8*140/12*35	CFCS II concrete screw 8x140 Metric thread A4 stainless M12x35 SW9	65mm / 85mm / 95mm	55mm / 75mm / 85mm	59mm / 39mm / 29mm	50
CFCSII4-10*160/12*55	CFCS II concrete screw 10x160 Metric thread A4 stainless M12x55 SW9	65mm / 85mm / 95mm	55mm / 75mm / 85mm	79mm / 59mm / 49mm	50

CFCS II Metric Thread

bespoke Stainless Steel A4

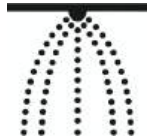
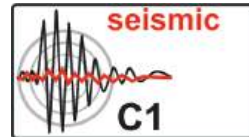
ETA & UKTA approved A4 stainless concrete screw - for heavy loads

Bespoke Version with metric external thread

Size **Head Ø**
6 25mm



- Saw tooth geometry: Quick, safe & easy installation.
- Available in stainless steel A4 & HCR: Ideal for use in reinforced /unreinforced normal concrete and in cracked/non-cracked concrete
- Available in zinc-coated steel, tested to DIN EN ISO 9227 – for corrosion category C5 – 4800hrs
- Can be loaded immediately, with adjustment possible: Time saving.
- Fire rated and ETA approved: Pedigree.



SKU	Product Name	Depth of drill hole $h_{01} / h_{02} / h_{03}$	Embedment depth of anchor $h_{nom1} / h_{nom2} / h_{nom3}$	Max. thickness of fixture $t_{fix1} / t_{fix2} / t_{fix3}$	Packing Unit
CFCSII4-6*45/8*10	CFCS II concrete screw 6x45 Metric thread A4 stainless M8x10 TX25	50mm / - / -	45mm / - / -	- / - / -	50