

PLAKA - FC ANCHOR

Drop in anchor

06.04.02 – version V01 - 05/12/2013



Manufacturer's prescriptions

Description



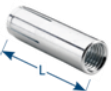

FC drop in anchor is a shallow fixing system with a female thread for a bolt or a threaded rod of an undefined length.

Expansion of the sleeve will occur by displacement of the internal cone, by mean of an adapted drive in tool.

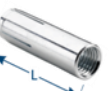
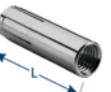
Application fields

The drop in anchor is designed for medium-heavy and heavy loads. The anchor is suitable for fixings in concrete structures.

Properties

Mechanical properties			
Reference code	Picture	M (mm)	Ultimate loads in kN Tension / Shear (Concrete C20/25)
FEFC06	 FC anchor in galvanized steel	6	2,1 / 1,9
FEFC08		8	2,7 / 3,3
FEFC10		10	3,6 / 5,1
FEFC12		12	5,9 / 7,1
FEFC16		16	8,7 / 10,5
FEFC20		20	11,9 / 14,3
FEFC08I	 FC anchor in stainless steel A4	8	1,6 / 1,3
FEFC10I		10	2,2 / 1,5
FEFC12I		12	3,4 / 2,6
FEFC16I		16	5,6 / 4,6

Dimensions

Material dimensions								
Reference code	Picture	M (mm)	d ₀ x L (mm)	h ₁ (mm)	f (mm)	p/Box	Weight (kg/100)	
Hot-dip galvanized steel	 FC anchor in galvanized steel	FEFC06	6	8 x 25	25	11	100	0,50
		FEFC08	8	10 x 30	30	13	100	1,00
		FEFC10	10	12 x 40	40	15	50	2,50
		FEFC12	12	15 x 50	50	19	50	4,50
		FEFC16	16	20 x 65	65	25	25	10,50
		FEFC20	20	25 x 80	80	33	25	20,50
Stainless steel A4	 FC anchor in stainless steel A4	FEFC08I	8	10 x 30	30	13	50	1,00
		FEFC10I	10	12 x 40	40	15	20	2,50
		FEFC12I	12	16 x 50	50	19	50	4,50
		FEFC16I	16	20 x 65	65	25	125	10,50

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Installation instructions

Drill a hole according to instructions below.

Expand the anchor with a setting tool.

Tighten the fixture with a suitable element.

t_{fix} max. fixture thickness
 L anchor length
 f thread length
 h_{nom} min. embedment depth
 h_{min} min. concrete thickness
 h_1 min. depth of drill hole
 d_0 drill hole diameter

Accessories

Expansion of the sleeve will occur by displacement of the internal cone, by mean of a drive in tool, adapted to the diameter of the anchor.

Drive in tool for FC anchors					
Reference code	Picture	M (mm)	DxL mm	p/Box	Kg/1
FECC06		M6	5x130	1	0,08
FECC08		M8	6x150	1	0,10
FECC10		M10	8x150	1	0,16
FECC12		M12	10x170	1	0,22
FECC16		M16	14x180	1	0,43
FECC20		M20	17x190	1	0,45

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