

HEAVY DUTY ANCHORS

Fix 3 Stud Anchors for Non-Cracked Concrete



Fix3 Stud Anchors for non-cracked concrete

Fast and convenient the New FIX3 stud anchor is suitable for a broad range of applications in the compression zone of concrete, either pre-fastened or through fixed. This innovative new product has high load capacity, limited only to the concrete cone failure, plus excellent edge and spacing limitations

Product Advantages

- Versatile anchor for columns, brackets and plates in concrete.
- Offers one of the highest loads of any ETA Option 7 approved anchor.
- 30% higher Performance - limited only by the type of the concrete used.
- Reduced edge and spacing distance.
- Clear sleeve and head marking - offering pre-installation and post installation guidance.

Substrates

- Concrete
- Solid block

Specification

Fix 3 is a heavy-duty torque-controlled expansion anchor, made of zinc coated steel use in non-cracked concrete

Approvals

- ETA Option 7 approval for non-cracked concrete
- HDB Prefabrication Technology Centre tested



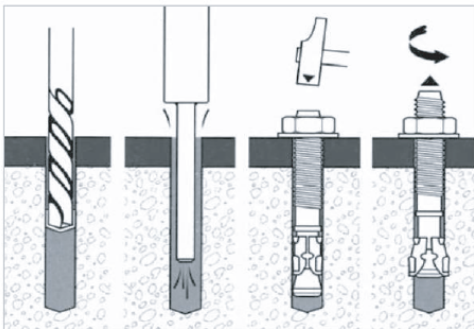
ETA Option 7
n° 13/0005

Typical Applications

- Curtain wall
- Guide rails / railings / machinery
- Industrial doors and gates
- Brickwork support angles
- Storage systems / pallet racking
- Stadium seating / fencing posts
- Steel and timber framework



Installation



1. Drill the correct diameter hole to the same diameter as the Fix3 stud anchor selected.
2. Remove debris from the hole by blowing out with compressed air or hand held blow out pump.
3. Install the anchor in the hole with a hammer until washer seats on fixture.
4. Tighten bolt with torque wrench to recommended assembly torque.

ANCHOR TECHNOLOGY

Fix 3 Stud Anchors - Zinc Plated



Part No.	Description	Thread Ø	Max Fixture Thickness (mm)	Overall Anchor Length (mm)	Anchor / Hole Ø (mm)	Min Hole Depth (mm)	Max. torque (Nm)	Order Qty/Box
7C-FIX3-855V	M8x 55/ 5	8	5	55	8	30	15	100
7C-FIX3-870V	M8x 70/20-10	8	10	70	8	30	15	100
7C-FIX3-890V	M8x 90/40-30	8	30	90	8	30	15	50
7C-FIX3-8100	M8x100/50-40	8	40	110	8	30	15	50
7C-FIX3-8115	M8x115/65-55	8	55	115	8	30	15	50
7C-FIX3-8130	M8x130/80-70	8	70	130	8	30	15	50
7C-FIX3-8160	M8x160/110-90	8	100	160	8	30	15	50
7C-FIX3-1065	M10x 65/ 5	10	5	65	10	40	30	50
7C-FIX3-1075	M10x 75/ 15	10	5	75	10	40	30	50
7C-FIX3-1085	M10x 85/ 25- 15	10	15	85	10	40	30	50
7C-FIX3-1095	M10x 95/ 36- 26	10	26	95	10	40	30	50
7C-FIX3-1011-0V	M10x110/ 50- 40	10	40	110	10	40	30	25
7C-FIX3-1012-5V	M10x125/ 65- 55	10	55	125	10	40	30	25
7C-FIX3-1014-0V	M10x140/ 80- 70	10	70	140	10	40	30	25
7C-FIX3-1016-0V	M10x160/100- 90	10	90	160	10	40	30	25
7C-FIX3-1280	M12x 80/ 5	12	5	80	12	50	50	25
7C-FIX3-1210-0V	M12x100/ 25-10	12	10	100	12	50	50	25
7C-FIX3-1211-5V	M12x115/ 40-25	12	25	115	12	50	50	25
7C-FIX3-1212-5V	M12x125/ 50-35	12	35	125	12	50	50	25
7C-FIX3-1214-0V	M12x140/ 65-50	12	50	140	12	50	50	25
7C-FIX3-1216-0V	M12x160/ 85-70	12	70	160	12	50	50	25
7C-FIX3-1218-0V	M12x180/105-90	12	90	180	12	50	50	25
7C-FIX3-1222-0V	M12x220/145-130	12	130	220	12	50	50	20
7C-FIX3-1610-0V	M16x 100/ 5	16	5	100	16	65	100	20
7C-FIX3-1612-5V	M16x125/ 30-15	16	15	125	16	65	100	20
7C-FIX3-1615-0V	M16x150/ 55-40	16	40	150	16	65	100	10
7C-FIX3-1617-0V	M16x170/ 75-60	16	60	170	16	65	100	10
7C-FIX3-1618-5V	M16x185/90-75	16	75	185	16	65	100	10
7C-FIX3-2012-5V	M20x125/ 10	20	5	125	20	75	160	10
7C-FIX3-2016-5V	M20x165/50-25	20	25	165	20	75	160	10
7C-FIX3-2022-0V	M20x220/105-80	20	80	220	20	75	160	10

Fix 3 – Zinc Plated – Indicative Design Loads in Concrete

Thread Size	Anchor Depth (mm)	Torque (Nm)	Edge Distance (mm)	Anchor Spacing (mm)	Tensile Load (kN)*	Shear Load (kN)*
M8	40	15	60	120	9.3	7.9
M10	50	30	75	150	12.0	11.0
M12	65	50	100	195	18.9	23.5
M16	80	100	120	240	28	29.2
M20	100	160	150	300	37.4	41.5

Refer to Ramset Design Guide for more information or explanation of technical data

*Load resistance(kN) in C20/25 concrete according to ETAG001 Option 7.