

## Fix Z Stud Anchors for Cracked and Non-cracked Concrete



### Fix Z Stud Anchors for cracked concrete

A true to size, torque controlled expansion anchor with “pull down” capabilities for permanent anchoring into cracked and non-cracked concrete.

### Product Advantages

- 3 legs clip for a better expansion
- 6 lugs for a better fixing in concrete
- High quality stainless steel A4 expansion clips
- Improved efficiency with lesser hammer blows and turns for installation
- “Pull down” capabilities for secure fixings
- Fire resistance tested

### Substrates

- Concrete (cracked and non-cracked)
- Solid block

### Specification

Fix Z is a specialized, heavy duty, torque setting expansion anchor for cracked concrete, especially for fixtures located at tension zones.

### Approvals



ETA Option  
no 99/0002

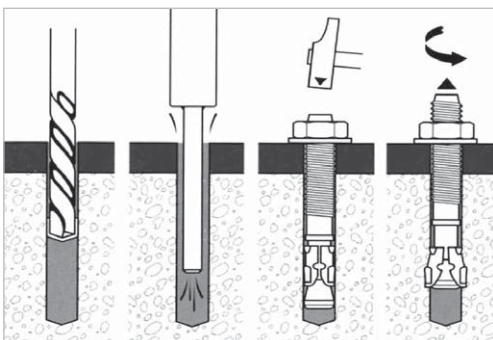


### Typical Applications



- Structural beams and columns
- Load bearing zones
- Cable trays
- Overhead piping
- Air condition ducts
- Securing of machines and equipment
- Tie back brackets for façade

### Installation



1. Drill the correct diameter hole to the same diameter as the FIX Z stud anchor selected.
2. Remove debris from 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 a torque wrench to recommended assembly torque.

# MEDIUM DUTY ANCHORS

## Fix Z Stud Anchors - Zinc Plated with Stainless Steel A4 Clip - Standard Washer



Part No.	Description	Thread Ø	Max Fixture Thickness (mm)*	Overall Anchor Length (mm)	Anchor / Hole Ø (mm)	Min Hole Depth (mm)*	Order Qty
7C-FXZ0-8070	M8x70/9	M8	9	70	8	65	100
7C-FXZ0-8090	M8x90/29	M8	29	90	8	65	50
7C-FXZ0-8110	M8x110/49	M8	49	110	8	65	50
7C-FXZ1-0085	M10x85/9	M10	9	85	10	80	50
7C-FXZ1-0095	M10x95/20	M10	20	95	10	80	50
7C-FXZ1-0140	M10x140/64	M10	64	140	10	80	25
7C-FXZ1-2100	M12x100/8	M12	8	100	12	95	20
7C-FXZ1-2115	M12x115/23	M12	23	115	12	95	25
7C-FXZ1-2140	M12x140/48	M12	48	140	12	95	25
7C-FXZ1-2180	M12x180/88	M12	88	180	12	95	25
7C-FXZ1-2220	M12x220/128	M12	128	220	12	95	25
7C-FXZ1-6135	M16x135/22	M16	22	135	16	115	10
7C-FXZ1-6170	M16x170/57	M16	57	170	16	115	10
7C-FXZ1-6210	M16x210/97	M16	97	210	16	115	10

\* Data based on minimum anchor depth

## Fix Z Stud Anchors - Zinc Plated with Stainless Steel A4 Clip - XL Washer



Part No.	Description	Thread Ø	Max Fixture Thickness (mm)*	Overall Anchor Length (mm)	Anchor / Hole Ø (mm)	Min Hole Depth (mm)*	Order Qty
7C-FXZ0-8070-XL	M8x70/9 XL	M8	9	70	8	65	100
7C-FXZ0-8090-XL	M8x90/29 XL	M8	29	90	8	65	50
7C-FXZ0-8110-XL	M8x110/49 XL	M8	49	110	8	65	50
7C-FXZ1-0140-XL	M10x140/64 XL	M10	64	140	10	80	25

\* Data based on minimum anchor depth

## Fix Z - Zinc Plated with Stainless Steel A4 Clip - Indicative Design Loads in Concrete

Thread Ø	Anchor Depth (mm)	Torque (Nm)	Anchor Spacing (mm)	Edge Distance (mm)	Shear Load (kN)*	Tension Load (kN)*
M8	46	20	140	75	8.5	5.1
M10	58	35	175	90	20.4	6.1
M12	68	50	205	125	27.6	8.7
M16	82	100	245	125	44.1	21.1

# Indicative design load (kN) in 30N/mm<sup>2</sup> non-cracked concrete

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

# ANCHOR TECHNOLOGY

## Fix Z Stud Anchors - Stainless Steel A4



Part No.	Description	Thread Ø	Max Fixture Thickness (mm)*	Overall Anchor Length (mm)	Anchor / Hole Ø (mm)	Min Hole Depth (mm)*	Order Qty
7D-FIXZ-0855-SS	M8x55/5 A4	M8	5	55	8	52	100
7D-FIXZ-0870-SS	M8x70/20 A4	M8	20	70	8	52	100
7D-FIXZ-0890-SS	M8x90/40 A4	M8	40	90	8	52	100
7D-FIXZ-0813-0S	M8x130/80 A4	M8	80	130	8	52	50
7D-FIXZ-1065-SS	M10x65/5 A4	M10	5	65	10	62	50
7D-FIXZ-1075-SS	M10x75/15 A4	M10	15	75	10	62	50
7D-FIXZ-1095-SS	M10x95/35 A4	M10	35	95	10	62	50
7D-FIXZ-1012-0S	M10x120/60 A4	M10	60	120	10	62	25
7D-FIXZ-1280-SS	M12x80/5 A4	M12	5	80	12	75	20
7D-FIXZ-1210-0S	M12x100/25 A4	M12	25	100	12	75	20
7D-FIXZ-1211-5S	M12x115/40 A4	M12	40	115	12	75	20
7D-FIXZ-1214-0S	M12x140/65 A4	M12	65	140	12	75	25
7D-FIXZ-1612-5S	M16x125/30 A4	M16	30	125	16	95	25
7D-FIXZ-1615-0S	M16x150/55 A4	M16	55	150	16	95	10
7D-FIXZ-1617-0S	M16x170/75 A4	M16	75	170	16	95	10

\* Data based on minimum anchor depth

## Fix Z - Stainless Steel A4 - Indicative Design Loads in Concrete

Thread Ø	Anchor Depth (mm)	Torque (Nm)	Anchor Spacing (mm)	Edge Distance (mm)	Shear Load (kN)*	Tension Load (kN)*
M8	48	20	145	72	12.7	12.6
M10	58	35	175	90	18.3	14.1
M12	70	50	210	105	26.5	18.4
M16	86	100	258	130	31.4	32.3

# Indicative design load (kN) in 30N/mm<sup>2</sup> non-cracked concrete

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