



Ramset™

TruBolt™ Xtrem™

**ETA CERTIFIED FOR
SEISMIC
AND CRACKED
CONCRETE**



Ramset™ TruBolt™ Xtrem™ Advantages:

A seismic certified heavy duty, torque controlled expansion anchor for permanent anchoring into concrete. Certified for seismic C1 & C2 applications – refer report number ETA-15/0893

- Assessed as per ETA001 Annex E
- Certified Seismic C1 & C2.
- Certified Option 1 Cracked Concrete.
- TR020 Fire tested - Fire rated performance up to 2 hours.
- Highest Performance in floor, wall & overhead applications.

Approvals

Certification

European Technical Assessment (ETA) to ETAG 001 Part 1, Option 1

European Technical Assessment (ETA) ETAG 001 Part 1, Annex E, C1 & C2

Approval Number / Report

ETA - 15/0893

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SA TS101:2015
Tested



Cracked concrete



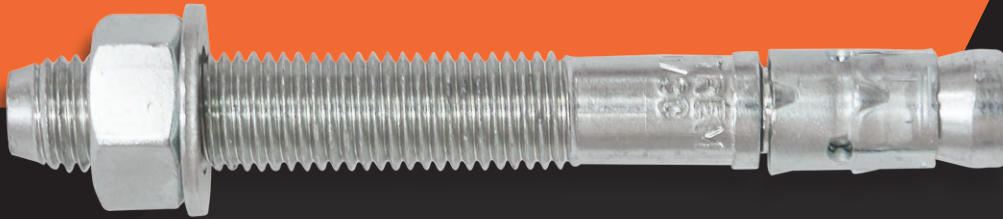
Seismic

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TruBolt™ Xtrem™

A seismic certified heavy duty, torque controlled expansion anchor, for permanent anchoring into concrete.



Technical Specification

- Bolt: Cold formed carbon steel, M8: Zinc Electroplated (>5µm)EN ISO 4042:1999, M10-M20: Zinc Electroplated (>5µm) + Anti-friction coating
- Clip: M8 Stainless Steel, M10-M20 Carbon Steel, Zinc Electroplated (>5µm) EN ISO 4042:1999
- Nut: Steel strength grade 8 DIN267 or ISO 898-2:2012 M8-M10 Zinc Electroplated (>5µm) EN ISO 4042:1999. M12-M20 Zinc Electroplated (>5µm) + Anti-friction coating
- Washer: M8 NF E 25514 Zinc Electroplated (>5µm) EN ISO 4042:1999. M10 - M20 EN 10025:2004 or EN10088-2:2005, Zinc Electroplated (>5µm) + Anti-friction coating

Substrates

- Concrete

Applications

- All steel constuctions
- Facades
- Curtain wall
- Staircases
- Ladders
- Guide railings
- Stadium seating

TruBolt™ Xtrem™ Stud Anchor - Hex Nut - Zinc Plated

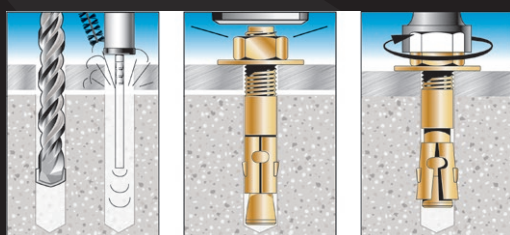
Part Number	Description	Thread Diameter	Total anchor length (mm)	Maximum fixture thickness (mm)	Drilling Diameter (mm)	Minimum hole depth (mm)	Maximum tightening torque (Nm)	Fixture clearance hole diameter (mm)	Pack Qty
T08075X	TruBolt™ Xtrem™ M8x75/15	M8	75	15	8	60	20Nm	9	100
T08090X	TruBolt™ Xtrem™ M8x90/30	M8	90	30	8	60	20Nm	9	50
T08120X	TruBolt™ Xtrem™ M8x120/60	M8	120	60	8	60	20Nm	9	50

T10085X	TruBolt™ Xtrem™ M10x85/5	M10	85	5	10	80	45Nm	12	50
T10100X	TruBolt™ Xtrem™ M10x100/20	M10	100	20	10	80	45Nm	12	25
T10120X	TruBolt™ Xtrem™ M10x120/40	M10	120	40	10	80	45Nm	12	25
T10140X	TruBolt™ Xtrem™ M10x140/60	M10	140	60	10	80	45Nm	12	25

T12105X	TruBolt™ Xtrem™ M12x105/10	M12	105	10	12	95	60Nm	14	25
T12115X	TruBolt™ Xtrem™ M12x115/20	M12	115	20	12	95	60Nm	14	25
T12135X	TruBolt™ Xtrem™ M12x135/40	M12	135	40	12	95	60Nm	14	25
T12180X	TruBolt™ Xtrem™ M12x180/85	M12	180	85	12	95	60Nm	14	20

T16145X	TruBolt™ Xtrem™ M16x145/25	M16	145	25	16	120	110Nm	18	10
T16170X	TruBolt™ Xtrem™ M16x170/50	M16	170	50	16	120	110Nm	18	10

T20170X	TruBolt™ Xtrem™ M20x170/30	M20	170	30	20	140	160Nm	22	10
T20200X	TruBolt™ Xtrem™ M20x200/60	M20	200	60	20	140	160Nm	22	10



Installation

1. Drill or core a hole to the recommended diameter (same as the TruBolt™) and depth using the fixture as a template.
Clean the hole thoroughly with a hole cleaning brush. Remove the debris with a hand pump, compressed air, or vacuum.
2. Insert the anchor through the fixture and drive with a hammer until the washer contacts the fixture.
3. Tighten the nut with a torque wrench to the specified assembly torque.

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In the interests of product improvement, ramsetreid™ reserves the right to alter product specifications as required. Information included in this resource book is correct at time of printing. It is the responsibility of the user to ensure product selected is appropriate for its intended use. For further technical information go to www.ramset.com.au or contact Ramset™ on the numbers indicated. ITW Australia Pty. Ltd. ABN 63 004 235 063 trading as ramsetreid™ © Copyright 2016™ Trademarks of Cetram Pty. Ltd. used under license by ramsetreid™

