

TruBolt™ Stud Anchors

The true to size heavy duty anchor

The TruBolt™ stud anchor is a true to size, torque controlled expansion anchor.

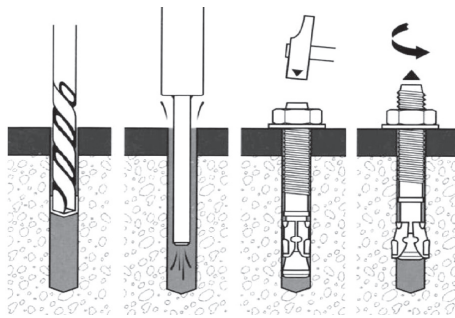


Specification

- TruBolt™ is a heavy duty, torque setting expansion anchor for permanent anchoring into solid substrates, such as concrete

Substrates

- Concrete • Solid brickwork



Product Advantages

- Load assisted through fixing
- Anti-rotation expansion sleeve
- Drill bit required is same diameter as anchor
- Expansion sleeve design ensures maximum expansion
- Maximum shear capacity for hole size as the stud diameter equals the hole diameter
- Improved efficiency with fewer hammer blows and turns for installation

Applications

- Structural beams and columns
- Wall to floor framework
- Steel to concrete
- Pallet racking and guards
- Lift rails
- Stadium seating
- Safety barriers
- GRC facade fixing
- Marble and facade fixings

Installation

1. Drill the correct diameter hole and depth.
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.

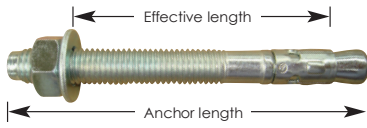
TruBolt™ Anchors - Recommended Working Loads in 40N/mm² non-cracked Concrete

Thread Ø	Embedment Depth (mm)	Torque (Nm)	Zn Plated / Hot Dip Gal		A4 316	
			Shear Load (kN)*	Tensile Load (kN)*	Shear Load (kN)*	Tensile Load (kN)*
M6	35	10	2.4	3.8	1.7	2.7
M8	45	20	4.1	5.6	3.3	4.7
M10	50	30	5.6	6.6	5.6	6.2
M12	72	50	7.1	11.4	7.9	11.4
M16	90	120	12.0	15.9	19.5	15.9
M20	105	280	18.7	20.1	30.4	20.1

* Safety factor for all loads = 3

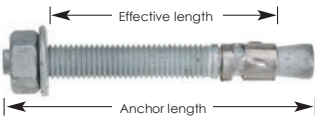
* This table does not consider edge distance and anchor spacing effects. Please refer to Ramset Design Guide for more information. For other embedment depth, please refer to design guide for more details.

TruBolt™ Stud Anchors - Zinc Plated



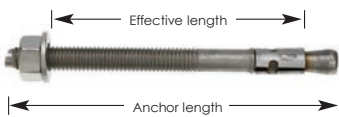
Part No.	Thread Ø	Max Fixture Thickness (mm)	Fixture Hole Ø (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
T06055	M6	10	7	55	6	45	38	100
T06085	M6	35	7	85	6	50	68	100
T08065	M8	12	10	65	8	60	45	50
T08075	M8	22	10	75	8	60	55	50
T08090	M8	40	10	90	8	65	70	50
T10075	M10	12	12	75	10	65	52	50
T10090	M10	30	12	90	10	65	67	50
T10120	M10	50	12	120	10	65	97	20
T12080	M12	12	14	80	12	75	58	20
T12100	M12	25	14	100	12	80	70	20
T12120	M12	45	14	120	12	80	90	20
T12140	M12	65	14	140	12	80	110	20
T12180	M12	100	14	180	12	80	150	20
T16100	M16	8	18	100	16	90	67	20
T16125	M16	20	18	125	16	90	85	20
T16150	M16	45	18	150	16	90	110	20
T16175	M16	70	18	175	16	90	135	20
T20120	M20	10	22	120	20	110	85	10
T20160	M20	35	22	160	20	110	115	10
T20215	M20	90	22	215	20	110	170	10

TruBolt™ Stud Anchors - Hot Dip Galvanised



Part No.	Thread Ø	Max Fixture Thickness (mm)	Fixture Hole Ø (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
T08075GH	M8	22	10	75	8	60	55	50
T08090GH	M8	40	10	90	8	65	70	50
T10090GH	M10	30	12	90	10	65	67	50
T12080GH	M12	6	14	80	12	75	58	50
T12100GH	M12	25	14	100	12	80	70	20
T12140GH	M12	65	14	140	12	80	110	20
T12180GH	M12	100	14	180	12	80	150	20
T16100GH	M16	8	18	100	16	90	67	20
T16125GH	M16	20	18	125	16	90	85	20
T16150GH	M16	45	18	150	16	90	110	20
T16175GH	M16	70	18	175	16	90	135	20
T20120GH	M20	10	22	120	20	110	85	10
T20160GH	M20	35	22	160	20	110	115	10
T20215GH	M20	90	22	215	20	110	170	10

TruBolt™ Stud Anchors - Stainless Steel AISI 316 (A4)



Part No.	Thread Ø	Max Fixture Thickness (mm)	Fixture Hole Ø (mm)	Overall Anchor Length (mm)	Drilled Hole Ø (mm)	Min Hole Depth (mm)	Effective Length (mm)	Order Qty
T06055SS	M6	10	7	55	6	45	38	100
T06085SS	M6	35	7	85	6	50	68	100
T08065SS	M8	12	10	65	8	60	45	50
T08075SS	M8	22	10	75	8	60	55	50
T08090SS	M8	40	10	90	8	65	70	50
T10075SS	M10	12	14	75	10	65	52	50
T10090SS	M10	30	14	90	10	65	67	50
T10120SS	M10	50	14	120	10	65	97	20
T12080SS	M12	12	16	80	12	75	58	20
T12100SS	M12	25	16	100	12	80	70	20
T12120SS	M12	45	16	120	12	80	90	20
T12140SS	M12	65	16	140	12	80	110	20
T12180SS	M12	100	16	180	12	80	150	20
T16100SS	M16	8	18	100	16	85	67	20
T16125SS	M16	20	18	125	16	90	85	20
T16150SS	M16	45	18	150	16	90	110	20
T16170SS	M16	65	18	170	16	90	135	20
T16175SS	M16	70	18	175	16	90	135	20
T20120SS	M20	10	22	120	20	110	85	10
T20160SS	M20	35	22	160	20	110	115	10