



THROUGHBOLTS ZYP

The throughbolt is the ultimate "through fixing" with the hole diameter as the bolt diameter. It is ideal for bolting in place awkward fixtures without the need for marking out, removing and repositioning. It is a torque-controlled anchor suitable for use in concrete over C20/25 strength.

Categories: [THROUGHBOLTS AND ACCESSORIES](#)

Fast and Secure Installation
Three way Expansion Sleeve
Reaction to Fire Class A1
Through Fixing
Zinc Plated Minimum 5µm
Wide Range of Sizes

RANGE DATA

Part Number	Size of Thread	Min. Structure Thickness (h _c) mm	Drill Hole Diameter (d _o) mm	Min Hole Depth (h ₁) mm	Fixture Clearance Hole (d _f) mm	Cone Length (L _c) mm	Effective Embedment Depth (h _{ef}) mm	Max Fixture Thickness (t _{fix}) mm	Washer Nut Thickness (t _{w+n}) mm	Total Length (L) mm	Thread Length (L _{th}) mm	Width Across Flats (A/F) mm	Washer Outer Diameter (d ₂) mm	Tightening Torque (T _{inst}) Nm
TB06045	M6	100	6	35	7	7	23	5	5	45	20	10	12.5	6
TB06055	M6	100	6	35	7	7	23	15	5	55	30	10	12.5	6
TB06085	M6	100	6	35	7	7	23	45	5	85	60	10	12.5	6
TB08050	M8	100	8	45	9	8	28	5	8	50	20	13	17	10
TB08065	M8	100	8	45	9	8	28	20	8	65	35	13	17	10
TB08080	M8	100	8	45	9	8	28	35	8	80	50	13	17	10
TB08100	M8	100	8	45	9	8	28	55	8	100	70	13	17	10



Part Number	Size of Thread	Min. Structure Thickness (h _c) mm	Drill Hole Diameter (d ₀) mm	Min Hole Depth (h ₁) mm	Fixture Clearance Hole (d _f) mm	Cone Length (L _c) mm	Effective Embedment Depth (h _{ef}) mm	Max Fixture Thickness (t _{fix}) mm	Washer Nut Thickness (t _{w+n}) mm	Total Length (L) mm	Thread Length (L _{th}) mm	Width Across Flats (A/F) mm	Washer Outer Diameter (d ₂) mm	Tightening Torque (T _{inst}) Nm
TB08130	M8	100	8	45	9	8	28	85	8	130	85	13	17	10
TB10065	M10	125	10	50	12	9	37	8	10	65	25	17	21	28
TB10075	M10	125	10	50	12	9	37	18	10	75	35	17	21	28
TB10090	M10	125	10	50	12	9	37	33	10	90	50	17	21	28
TB10100	M10	125	10	50	12	9	37	43	10	100	50	17	21	28
TB10120	M10	125	10	50	12	9	37	63	10	120	80	17	21	28
TB10150	M10	125	10	50	12	9	37	93	10	150	80	17	21	28
TB10175	M10	125	10	50	12	9	37	118	10	175	80	17	21	28
TB12080	M12	170	12	65	14	13	50	5	13	80	30	19	24	34
TB12100	M12	170	12	65	14	13	50	25	13	100	50	19	24	34
TB12120	M12	170	12	65	14	13	50	45	13	120	70	19	24	34
TB12140	M12	170	12	65	14	13	50	65	13	140	90	19	24	34
TB12180	M12	170	12	65	14	13	50	105	13	180	90	19	24	34
TB16105	M16	200	16	85	18	15	63	10	16	105	60	24	30	85
TB16125	M16	200	16	85	18	15	63	30	16	125	65	24	30	85
TB16150	M16	200	16	85	18	15	63	55	16	150	90	24	30	85
TB16175	M16	200	16	85	18	15	63	80	16	175	90	24	30	85
TB16220	M16	200	16	85	18	15	63	125	16	220	90	24	30	85
TB20130	M20	240	20	100	22	16	71	20	19	130	60	30	37	160
TB20160	M20	240	20	100	22	16	71	50	19	160	60	30	37	160
TB20215	M20	240	20	100	22	16	71	105	19	215	60	30	37	160
TB24180	M24	300	24	120	26	20	87	45	23	180	65	36	44	280
TB24260	M24	300	24	120	26	20	87	125	23	260	65	36	44	280

