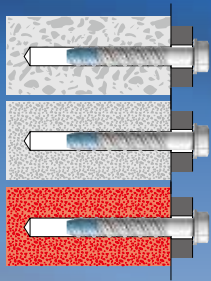


倍握實 BT 系列錨栓

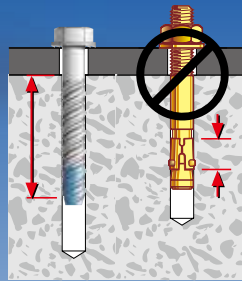
Blue Tips by Powers



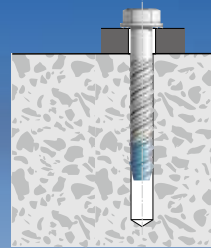
- 可進行錨固後的核查
- Inspection after use



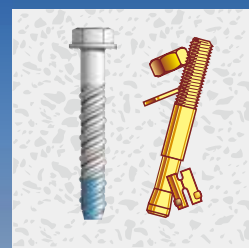
- 適用於混凝土及其砌體以及磚塊
- For concrete, block and brickwork



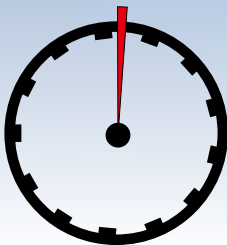
- 在整個埋深範圍內咬緊基材
- Full grip over total anchor length



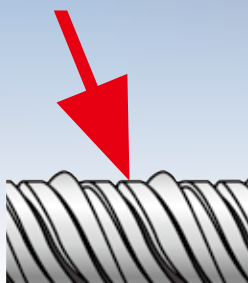
- 小邊距
- Very small edge distances



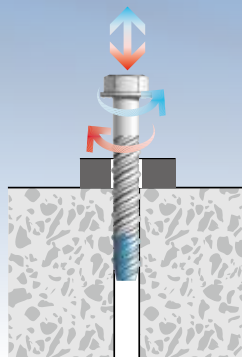
- 單件整體設計
- One piece design



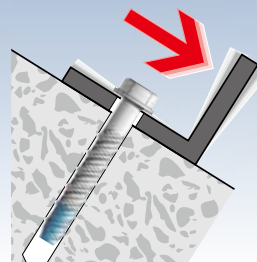
- 安裝後可立即承載
- Immediate high strength loading



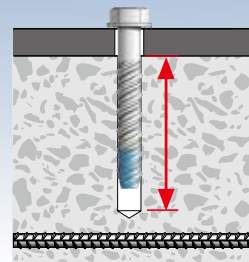
- 可用于收集安裝時產生的碎屑，從而減少安裝扭矩
- Dust relief thread allows for low installation torque



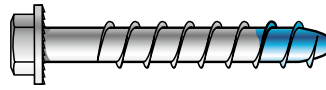
- 易拆除
- Removable



- 可承受振動載荷
- Vibration resistant



- 埋深淺
- Shallow embedment depths



BT 5, BT 6



BT 8, BT 10, BT 12, BT 16

特性與應用:

- 歐洲 ETA option1 認證
- 專利設計，可用于開裂及非開裂混凝土
- 快速安裝，并可立即承載，大量的節省時間
- 可用手動或衝擊扳手安裝
- 對基材產生膨脹力小
- 較傳統型膨脹螺栓有更小的邊距
- 螺頭背面的棘齒有利于固定被連接件

FEATURES & USES:

- ETA option 1 approved
- Powers patent, cracked and uncracked concrete applications
- Fast installation and immediate loading minimizes downtime
- Can be installed with impact wrench or hand socket
- Low expansion force
- Ratchet teeth on underside of hex head against the fixture



BT10 / BT12 / BT16

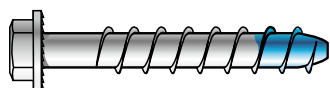


BT 主攻切底錨栓 – 六角頭，電鍍鋅

Blue-Tip screwbolt™ – hex head, zinc plated

型號 / Type	貨號 / Art. Nr.			L[mm]	d ₀ [mm]	W _s [mm]
BT5x50	0027005	100	800	50	5	7
BT6x30	0027014	100	800	30	6	10
BT6x50	0027016	100	800	50	6	10
BT6x60	0027018	100	800	60	6	10
BT6x80	0027022	50	400	80	6	10
BT6x100	0027024	100	400	100	6	10
BT6x120	0027026	100	400	120	6	10
BT6x140	0027028	50	200	140	6	10
BT8x50	0027030	50	400	50	8	13
BT8x75	0027035	50	200	75	8	13
BT8x100	0027040	50	200	100	8	13
BT10x60	0027045	50	200	60	10	17
BT10x75	0027050	50	200	75	10	17
BT10x100	0027055	50	200	100	10	17
BT10x110	0027046	25	100	110	10	17
BT10x120	0027060	20	80	120	10	17
BT10x140	0027048	25	100	140	10	17
BT10x160	0027052	20	80	160	10	17
BT10x200	0027054	20	80	200	10	17
BT10x240	0027056	20	80	240	10	17
BT10x280	0027058	20	80	280	10	17
BT10x320	0027062	20	80	320	10	17
BT12x75	0027065	25	100	75	12	19
BT12x100	0027070	25	100	100	12	19
BT12x150	0027075	20	80	150	12	19
BT12x200	0027064	20	80	200	12	19
BT16x100	0027080	20	80	100	16	23
BT16x130	0027066	10	40	130	16	23
BT16x150	0027085	10	40	150	16	23
BT16x200	0027068	10	40	200	16	23
BT16x240	0027072	10	40	240	16	23
BT16x280	0027074	10	40	280	16	23
BT16x320	0027076	10	40	320	16	23





BT-G 5, BT-G 6



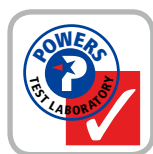
BT-G 8, BT-G 10, BT-G 12, BT-G 16

特性與應用:

- 機械鍍鋅保護，有利于提高抗腐蝕性能

FEATURES & USES:

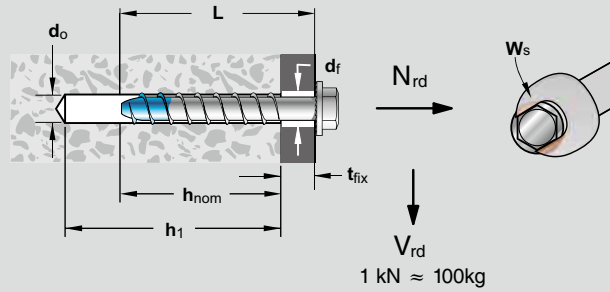
- Mechanical galvanised coating for superior corrosion protection



BT-G 主攻切底錨栓 – 六角頭，機械鍍鋅

BT-G screwbolt™ – hex head, mechanical galvanised

型號 / Type	貨號 / Art. Nr.					
				L[mm]	d ₀ [mm]	W _s [mm]
BT-G5x50	027005G	100	800	50	5	7
BT-G6x30	027014G	100	800	30	6	10
BT-G6x50	027016G	100	800	50	6	10
BT-G6x60	027018G	100	800	60	6	10
BT-G6x80	027022G	50	400	80	6	10
BT-G6x100	027024G	100	400	100	6	10
BT-G6x120	027026G	100	400	120	6	10
BT-G6x140	027028G	50	200	140	6	10
BT-G8x50	027030G	50	400	50	8	13
BT-G8x75	027035G	50	200	75	8	13
BT-G8x100	027040G	50	200	100	8	13
BT-G10x60	027045G	50	200	60	10	17
BT-G10x75	027050G	50	200	75	10	17
BT-G10x100	027055G	50	200	100	10	17
BT-G10x110	027046G	25	100	110	10	17
BT-G10x120	027060G	20	80	120	10	17
BT-G10x140	027048G	25	100	140	10	17
BT-G10x160	027052G	20	80	160	10	17
BT-G10x200	027054G	20	80	200	10	17
BT-G10x240	027056G	20	80	240	10	17
BT-G10x280	027058G	20	80	280	10	17
BT-G10x320	027062G	20	80	320	10	17
BT-G12x75	027065G	25	100	75	12	19
BT-G12x100	027070G	25	100	100	12	19
BT-G12x150	027075G	20	80	150	12	19
BT-G12x200	027064G	20	80	200	12	19
BT-G16x100	027080G	20	80	100	16	23
BT-G16x130	027066G	10	40	130	16	23
BT-G16x150	027085G	10	40	150	16	23
BT-G16x200	027068G	10	40	200	16	23
BT-G16x240	027072G	10	40	240	16	23
BT-G16x280	027074G	10	40	280	16	23
BT-G16x320	027076G	10	40	320	16	23



承載設計值，非開裂混凝土

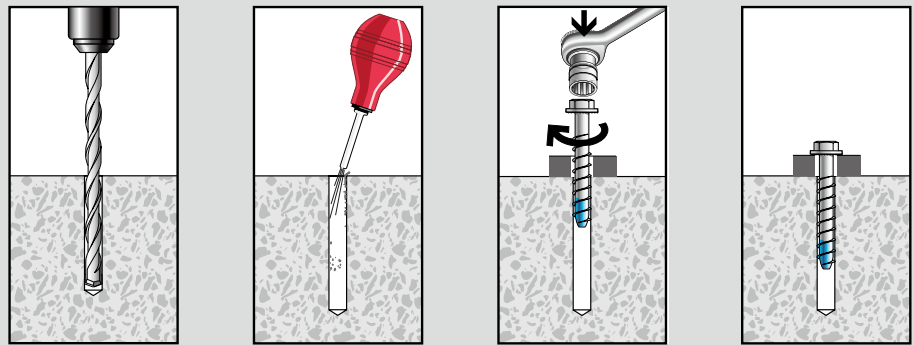
Design loads, uncracked concrete

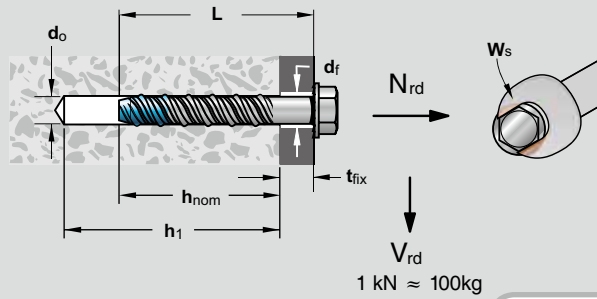
$\frac{N_{Rk}}{\gamma_M} = N_{ed}$
 $\gamma_M = 2.1$

型號 / Type	h_{nom} [mm]	h_1 [mm]	d_r [mm]	t_{fix} [mm]	N_{rd} [kN]	V_{rd} [kN]
BT(G)5x50	35	45	7	15	2.1	1.4
BT(G)6x30	25	35	7	5	1.1	2.2
BT(G)6x50	35	45	8	15	2.1	2.2
BT(G)6x60	35	45	8	25	2.1	2.2
BT(G)6x80	45	55	8	35	2.7	2.2
BT(G)6x100	45	55	8	55	2.7	2.2
BT(G)6x120	45	55	8	75	2.7	2.2
BT(G)6x140	45	55	8	95	2.7	2.2
BT(G)8x50	45	55	10	5	2.7	5.0
BT(G)8x75	65	75	10	10	4.6	5.0
BT(G)8x100	65	75	10	35	4.6	5.0

適用基材
Base Material

- 開裂混凝土
Cracked Concrete
- 非開裂混凝土
Uncracked Concrete
- 混凝土空心磚
Hollow-core
Concrete Slabs
- 天然石料
Natural Stone
- 實心磚 / 砌體
Solid Brick / Masonry
- 實心石灰砂磚
Sand-limestone Solid
- 空心石灰砂磚
Sand-limestone
Perforated
- 輕骨料混凝土
Light Weight Concrete





承載設計值，非開裂混凝土

Design loads, uncracked concrete



$$\frac{N_{Rk}}{\gamma_M} = N_{rd}$$



型號 / Type	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		N _{rd} [kN]		V _{rd} [kN]
	min	max	min	max		min h _{nom}	max h _{nom}	min	max	
BT(G)10x60	55	-	65	-	12	5	-	3.6	-	18.1
BT(G)10x75	55	-	65	-	12	20	-	3.6	-	18.1
BT(G)10x100	55	75	65	85	12	45	25	3.6	5.7	18.1
BT(G)10x110	55	75	65	85	12	55	35	3.6	5.7	18.1
BT(G)10x120	55	75	65	85	12	65	45	3.6	5.7	18.1
BT(G)10x140	55	75	65	85	12	85	65	3.6	5.7	18.1
BT(G)10x160	55	75	65	85	12	105	85	3.6	5.7	18.1
BT(G)10x200	55	75	65	85	12	145	125	3.6	5.7	18.1
BT(G)10x240	55	75	65	85	12	185	165	3.6	5.7	18.1
BT(G)10x280	55	75	65	85	12	225	205	3.6	5.7	18.1
BT(G)10x320	55	75	65	85	12	265	245	3.6	5.7	18.1
BT(G)12x75	70	-	80	-	14	5	-	5.7	-	23.8
BT(G)12x100	70	85	80	95	14	30	15	5.7	7.6	23.8
BT(G)12x150	70	85	80	95	14	80	65	5.7	7.6	23.8
BT(G)12x200	70	85	80	95	14	130	115	5.7	7.6	23.8
BT(G)16x100	80	-	90	-	19	20	-	8.8	-	36.7
BT(G)16x130	80	110	90	125	19	50	20	8.8	13.9	36.7
BT(G)16x150	80	110	90	125	19	70	40	8.8	13.9	36.7
BT(G)16x200	80	110	90	125	19	120	90	8.8	13.9	36.7
BT(G)16x240	80	110	90	125	19	160	130	8.8	13.9	36.7
BT(G)16x280	80	110	90	125	19	200	170	8.8	13.9	36.7
BT(G)16x320	80	110	90	125	19	240	210	8.8	13.9	36.7

注意: BT-G 未進行 ETA 認證。
Note: BT-G is not ETA approved.

適用基材

Base Material



開裂混凝土
Cracked Concrete



非開裂混凝土
Uncracked Concrete



混凝土空心磚
Hollow-core
Concrete Slabs



天然石料
Natural Stone



實心磚 / 砌體
Solid Brick / Masonry



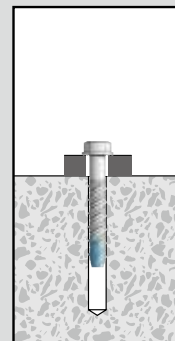
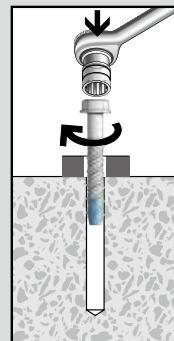
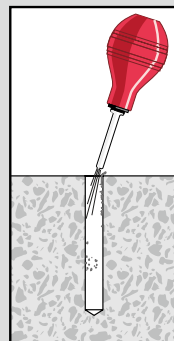
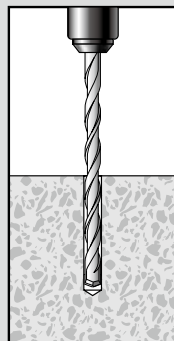
實心石灰砂磚
Sand-limestone Solid

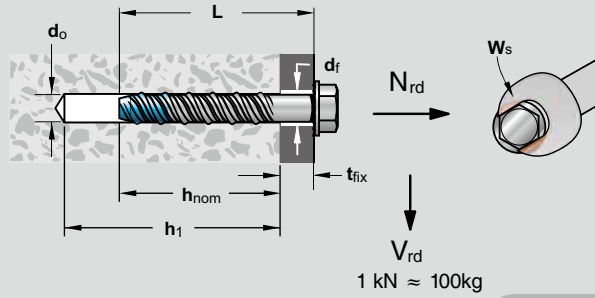


空心石灰砂磚
Sand-limestone
Perforated



輕骨料混凝土
Light Weight Concrete



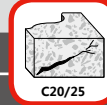


承載設計值，開裂混凝土

Design loads, cracked concrete



$$\frac{N_{Rk}}{\gamma_M} = N_{Ed}$$



型號 / Type	h _{nom} [mm]		h ₁ [mm]		d _f [mm]	t _{fix} [mm]		N _{rd} [kN]		V _{rd} [kN]
	min	max	min	max		min	max	min	max	
BT(G)10x60	55	-	65	-	12	5	-	1.4	-	18.1
BT(G)10x75	55	-	65	-	12	20	-	1.4	-	18.1
BT(G)10x100	55	75	65	85	12	45	25	1.4	2.8	18.1
BT(G)10x110	55	75	65	85	12	55	35	1.4	2.8	18.1
BT(G)10x120	55	75	65	85	12	65	45	1.4	2.8	18.1
BT(G)10x140	55	75	65	85	12	85	65	1.4	2.8	18.1
BT(G)10x160	55	75	65	85	12	105	85	1.4	2.8	18.1
BT(G)10x200	55	75	65	85	12	145	125	1.4	2.8	18.1
BT(G)10x240	55	75	65	85	12	185	165	1.4	2.8	18.1
BT(G)10x280	55	75	65	85	12	225	205	1.4	2.8	18.1
BT(G)10x320	55	75	65	85	12	265	245	1.4	-	18.1
BT(G)12x75	70	-	80	-	14	5	-	2.0	-	23.8
BT(G)12x100	70	85	80	95	14	30	15	2.0	2.4	23.8
BT(G)12x150	70	85	80	95	14	80	65	2.0	2.4	23.8
BT(G)12x200	70	85	80	95	14	130	115	2.0	2.4	23.8
BT(G)16x100	80	-	90	-	19	20	-	4.2	-	36.7
BT(G)16x130	80	110	90	125	19	50	20	4.2	6.7	36.7
BT(G)16x150	80	110	90	125	19	70	40	4.2	6.7	36.7
BT(G)16x200	80	110	90	125	19	120	90	4.2	6.7	36.7
BT(G)16x240	80	110	90	125	19	160	130	4.2	6.7	36.7
BT(G)16x280	80	110	90	125	19	200	170	4.2	6.7	36.7
BT(G)16x320	80	110	90	125	19	240	210	4.2	6.7	36.7

注意: BT-G 未進行 ETA 認證。
Note: BT-G is not ETA approved.

適用基材
Base Material

-  開裂混凝土
Cracked Concrete
-  非開裂混凝土
Uncracked Concrete
-  混凝土空心磚
Hollow-core
Concrete Slabs
-  天然石料
Natural Stone
-  實心磚 / 砌體
Solid Brick / Masonry
-  實心石灰砂磚
Sand-limestone Solid
-  空心石灰砂磚
Sand-limestone
Perforated
-  輕骨料混凝土
Light Weight Concrete

