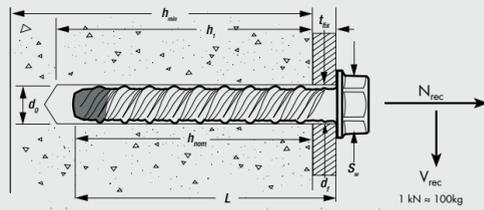


LOADING DATA



Type	Dimensions (Drill dia. x Length)	drill $\varnothing d_0$ [mm]	d_1 [mm]	h_{nom}		h_1		t_{fix}		h_{min}		edge c_{min} [mm]	spacing s_{min} [mm]	uncracked concrete		cracked concrete					
				min [mm]	max [mm]	for min [mm]	for max [mm]	for min [mm]	for max [mm]	for min [mm]	for max [mm]			N_{rec} [kN]	V_{rec} [kN]	N_{rec} [kN]	V_{rec} [kN]				
Hex	5 x 50	5	7	35		45	15	80		30	30	1.5	1								
Hex	6 x 30	6	8	25		35	5	80		40	40	0.8	1.6								
Dome	6 x 40	6	8	30		40	10	80		40	40	1.0	1.6								
Pan	6 x 45	6	8	35		45	10	80		40	40	1.3	1.6								
Hex, Dome	6 x 50	6	8	35		45	15	80		40	40	1.3	1.6								
Hex	6 x 60	6	8	35		45	25	80		40	40	1.3	1.6								
Hex	6 x 80	6	8	45		55	35	80		40	40	1.9	1.6								
Hex, CSK	6 x 100	6	8	45		55	55	80		40	40	1.9	1.6								
Hex	6 x 120	6	8	45		55	75	80		40	40	1.9	1.6								
Hex	8 x 50	8	10	45		55	5	80		50	50	1.9	3.6								
Hex	8 x 75	8	10	65		75	10	100		50	50	3.3	3.6								
Hex, CSK	8 x 100	8	10	65		75	35	100		50	50	3.3	3.6								
Hex	10 x 60	10	12	55		65	5	105		60	60	2.6	6.1	1.0	4.3						
Hex, CSK	10 x 75	10	12	55		65	20	105		60	60	2.6	6.1	1.0	4.3						
Hex, CSK	10 x 100	10	12	55	75	65	85	45	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4	
Hex	10 x 120	10	12	55	75	65	85	65	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4	
Hex	10 x 140	10	12	55	75	65	85	85	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4	
Hex	10 x 160	10	12	55	75	65	85	105	85	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4
Hex	10 x 200	10	12	55	75	65	85	145	125	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4
Hex	10 x 240	10	12	55	75	65	85	185	165	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4
Hex	10 x 280	10	12	55	75	65	85	225	205	105	115	60	60	2.6	4.1	6.1	10.3	1.0	2.1	4.3	7.4
Hex	12 x 75	12	14	70		80	5	125		90	90	4.1	8.8	1.4	6.3						
Hex, CSK	12 x 100	12	14	70	85	80	95	30	15	125	125	90	90	4.1	5.4	8.8	17.0	1.4	1.7	6.3	17.0
Hex, CSK	12 x 150	12	14	70	85	80	95	80	65	125	125	90	90	4.1	5.4	8.8	17.0	1.4	1.7	6.3	17.0
Hex	16 x 100	16	19	80		90	20	145		110	110	6.3	20.8	3.0	14.8						
Hex	16 x 130	16	19	80	110	90	125	50	20	145	165	110	110	6.3	9.9	20.8	26.2	3.0	4.8	14.8	25.9
Hex	16 x 150	16	19	80	110	90	125	70	40	145	165	110	110	6.3	9.9	20.8	26.2	3.0	4.8	14.8	25.9
Hex	16 x 200	16	19	80	110	90	125	120	90	145	165	110	110	6.3	9.9	20.8	26.2	3.0	4.8	14.8	25.9
Hex	16 x 240	16	19	80	110	90	125	160	130	145	165	110	110	6.3	9.9	20.8	26.2	3.0	4.8	14.8	25.9

ONLINE ANCHOR DESIGN SOFTWARE



- Fully featured and easy to use interface
- Easy 5 step anchor design with 3D modelling of fastening
- Professional specification of DEWALT fastenings to ETA guidelines
- Customised anchor design facility

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DISCLAIMER FOR RECOMMENDATIONS, INFORMATION AND USE OF DATA

The recommendations, information and data contained in this manual are put together with the greatest care and accuracy possible. It is based on principles, equations and safety factors set out in the technical documentation of DEWALT Anchors & Fasteners, Inc. that are believed to be correct and current as of June 1, 2014. The information and data is subject to change after such date as DEWALT Anchors & Fasteners, Inc. reserves the right to change the designs, materials and specifications of the products in this manual without notice.

It is the responsibility of the design professional to ensure that a suitable product is selected, properly designed and used in the intended application. This includes that the selected product and its use is compliant with the applicable building codes and other legal requirements and will satisfy durability

and performance criteria and margins of safety which they determine are applicable. The products must be used, handled, applied and installed strictly in accordance with all current instructions for use published by DEWALT Anchors & Fasteners, Inc.

The performance data given in this manual are the result of the evaluation of tests conducted under laboratory conditions. It is the responsibility of the designer and installer in charge to consider the conditions on site and to ensure the performance data given in the manual is applicable to the actual conditions. In particular the base material and environmental conditions have to be checked prior to installation. In case of doubt, contact the technical support of DEWALT Anchors & Fasteners, Inc.

DEWALT



BLUE-TIP SCREWBOLT™
MECHANICAL ANCHOR

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GUARANTEED TOUGH.®

ONE PIECE DESIGN WITH IMMEDIATE HIGH STRENGTH LOADING.

Blue-Tip screwbolts are one-piece heavy duty concrete screws with ETA Option 1 approval*.

They are simple to install and provide a strong, secure hold for high load applications and small edge distances, making it the preferred choice for a fast, reliable installation into a variety of base materials.

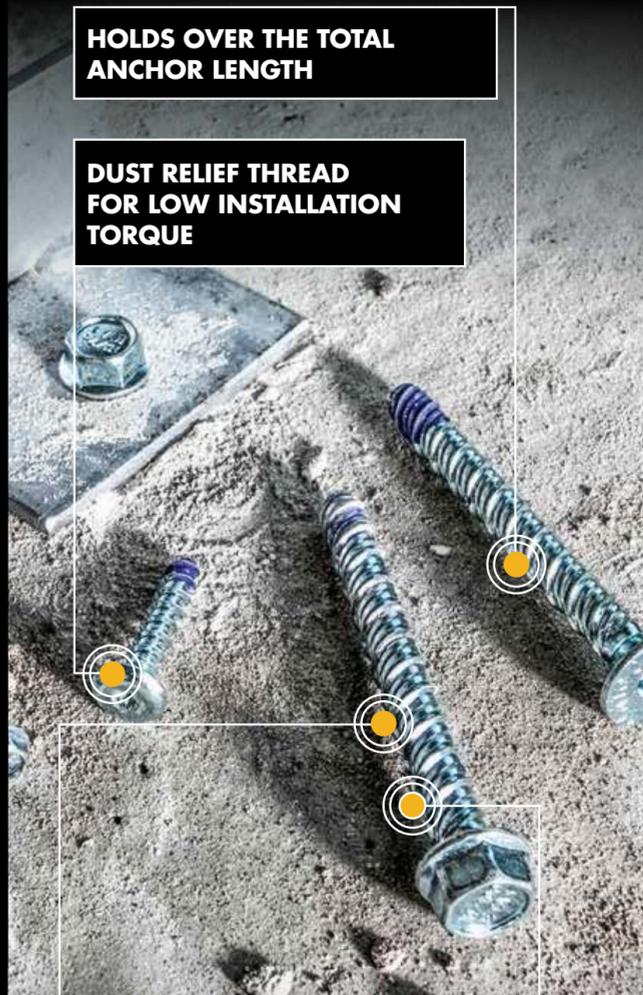
The anchors are designed with a dust relief thread that allows for low installation torque, are fully removable and are designed to resist structural and non-structural loading in cracked and uncracked concrete.

- ETA Option 1 approved for cracked and uncracked concrete*
- Approved for small edge distances
- One piece design for easy installation
- Dust relief thread allows for low installation torque

The range includes four different head types in lengths from 30-280mm making it an extremely versatile mechanical anchoring system.

*diameter 10 mm to 16 mm, hex head and countersunk

BLUE TIP SCREWBOLT™ RANGE



HOLDS OVER THE TOTAL ANCHOR LENGTH

DUST RELIEF THREAD FOR LOW INSTALLATION TORQUE

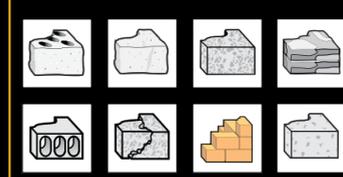
SUITABLE FOR SMALL EDGE DISTANCES

ONE-PIECE DESIGN FOR EASY INSTALLATION

APPLICATIONS

- Racking and shelving
- Temporary supports
- Fencing
- Railings and handrails
- Stadium seating

MATERIALS



APPROVALS



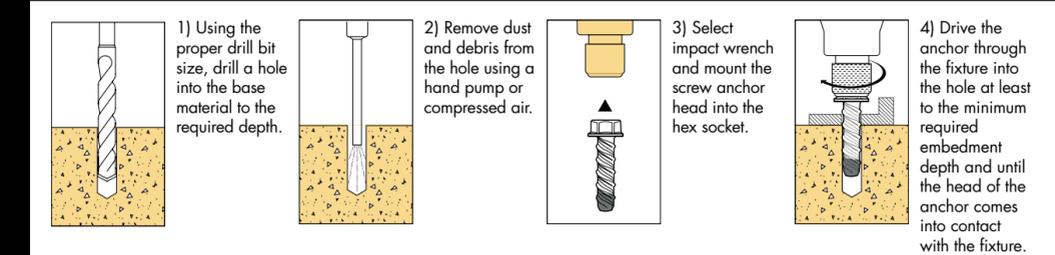
BLUE-TIP SCREWBOLTS™ RANGE

HEX HEAD - ZINC PLATED



Cat No.	Description	ETA	Drill Dia. 5-6 mm		Drill Dia. 8-16 mm		ETA CE 12	
			Drill Dia. [mm]	Length [mm]	Head Size [mm]	Max f _{fix} [mm]		Box Quantity
DFM1410000	BLUE-TIP BT5x50 Hex Head Screw Bolt		5	50	7	15	100	800
DFM1410030	BLUE-TIP BT6x30 Hex Head Screw Bolt		6	30	10	5	100	800
DFM1410050	BLUE-TIP BT6x50 Hex Head Screw Bolt		6	50	10	15	100	800
DFM141007S	BLUE-TIP BT6x60 Hex Head Screw Bolt		6	60	10	25	50	400
DFM1410070	BLUE-TIP BT6x60 Hex Head Screw Bolt		6	60	10	25	100	800
DFM1410090	BLUE-TIP BT6x80 Hex Head Screw Bolt		6	80	10	35	50	400
DFM141011S	BLUE-TIP BT6x100 Hex Head Screw Bolt		6	100	10	55	50	400
DFM1410130	BLUE-TIP BT6x120 Hex Head Screw Bolt		6	120	10	75	100	400
DFM1410180	BLUE-TIP BT8x50 Hex Head Screw Bolt		8	50	13	5	50	400
DFM1410210	BLUE-TIP BT8x75 Hex Head Screw Bolt		8	75	13	10	50	200
DFM141024S	BLUE-TIP BT8x100 Hex Head Screw Bolt		8	100	13	35	25	100
DFM1410240	BLUE-TIP BT8x100 Hex Head Screw Bolt		8	100	13	35	50	200
DFM1410280	BLUE-TIP BT10x60 Hex Head Screw Bolt	•	10	60	17	5	50	200
DFM141032S	BLUE-TIP BT10x75 Hex Head Screw Bolt	•	10	75	17	20	25	200
DFM1410320	BLUE-TIP BT10x75 Hex Head Screw Bolt	•	10	75	17	20	50	200
DFM141036S	BLUE-TIP BT10x100 Hex Head Screw Bolt	•	10	100	17	45	25	100
DFM1410360	BLUE-TIP BT10x100 Hex Head Screw Bolt	•	10	100	17	45	50	200
DFM1410430	BLUE-TIP BT10x120 Hex Head Screw Bolt	•	10	120	17	65	25	100
DFM1410450	BLUE-TIP BT10x140 Hex Head Screw Bolt	•	10	140	17	85	25	100
DFM1410480	BLUE-TIP BT10x160 Hex Head Screw Bolt	•	10	160	17	105	20	80
DFM1410510	BLUE-TIP BT10x200 Hex Head Screw Bolt	•	10	200	17	145	20	80
DFM1410540	BLUE-TIP BT10x240 Hex Head Screw Bolt	•	10	240	17	185	20	80
DFM1410580	BLUE-TIP BT10x280 Hex Head Screw Bolt	•	10	280	17	225	20	80
DFM1410650	BLUE-TIP BT12x75 Hex Head Screw Bolt	•	12	75	19	5	25	100
DFM1410680	BLUE-TIP BT12x100 Hex Head Screw Bolt	•	12	100	19	30	25	100
DFM1410710	BLUE-TIP BT12x150 Hex Head Screw Bolt	•	12	150	19	80	20	80
DFM1410770	BLUE-TIP BT16x100 Hex Head Screw Bolt	•	16	100	23	20	20	80
DFM1410800	BLUE-TIP BT16x130 Hex Head Screw Bolt	•	16	130	23	50	10	40
DFM1410830	BLUE-TIP BT16x150 Hex Head Screw Bolt	•	16	150	23	70	10	40
DFM1410860	BLUE-TIP BT16x200 Hex Head Screw Bolt	•	16	200	23	120	10	40
DFM1410890	BLUE-TIP BT16x240 Hex Head Screw Bolt	•	16	240	23	160	10	40

INSTALLATION DATA



DOMED HEAD - ZINC PLATED

Cat No.	Description	ETA	Drill Dia. [mm]	Length [mm]	TORX [mm]	Max f _{fix} [mm]	Box Quantity	Carton Quantity
DFM1420000	BLUE-TIP BT6x40 Dome Head Screw Bolt		6	40	T-30	10	100	800
DFM1420030	BLUE-TIP BT6x50 Dome Head Screw Bolt		6	50	T-30	15	100	800

PAN HEAD - ZINC PLATED

Cat No.	Description	ETA	Drill Dia. [mm]	Length [mm]	TORX [mm]	Max f _{fix} [mm]	Box Quantity	Carton Quantity
DFM1420090	BLUE-TIP BT6x45 Pan Head Screw Bolt		6	45	T-40	10	100	800

COUNTERSUNK - ZINC PLATED

Cat No.	Description	ETA	Drill Dia. [mm]	Length [mm]	TORX / A/F [mm]	Max f _{fix} [mm]	Box Quantity	Carton Quantity
DFM1420330	BLUE-TIP BT6x100 Countersunk Head Screw Bolt		6	100	T-40	55	50	200
DFM1420420	BLUE-TIP BT8x100 Countersunk Head Screw Bolt		8	100	6mm	35	50	200
DFM1420480	BLUE-TIP BT10x75 Countersunk Head Screw Bolt	•	10	75	8mm	15	50	200
DFM1420510	BLUE-TIP BT10x100 Countersunk Head Screw Bolt	•	10	100	8mm	45	50	200
DFM1420570	BLUE-TIP BT12x100 Countersunk Head Screw Bolt	•	12	100	10mm	30	25	100
DFM1420600	BLUE-TIP BT12x150 Countersunk Head Screw Bolt	•	12	150	10mm	80	20	80