

KWIK Bolt 3 Expansion Anchor



All KWIK Bolt 3 Expansion Anchors are marked on the head of the anchor with a length identification mark. See page 224 for the complete Length Identification System chart.

Features and Applications

- Approved by ICC-ES for masonry and concrete
- Rounded end for easy installation
- Dog point impact section to prevent thread damage during installation
- Available in carbon steel, hot-dipped galvanized, 304SS and 316SS to suit any environment
- Best approval rating in class

2003 IBC
Compliant Anchor

2006 IBC
Compliant Anchor

2009 IBC
Compliant Anchor



Technical Data

Base material

- Lightweight Concrete
- Uncracked concrete
- Lightweight concrete over metal deck
- Grout-filled block

Anchor material

- KB3: carbon steel, electroplated zinc min 5 microns
- KB3 HDG: carbon steel, hot-dip galvanized min 43 microns
- KB3 304SS: Type 304 stainless steel
- KB3 316SS: Type 316 stainless steel

Listings/Approvals

- ICC-ES (International Code Council) - ESR-1385 (ACO1 Masonry)
- ERS-2302 (AC193 concrete)
- FM (Factory Mutual)
- UL (Underwriter Laboratories)
- COLA (City of Los Angeles) - RR 25577
- Metro-Dade County - NOA No. 06-0810.13
- Qualified under an NQA-1 nuclear quality program

KWIK Bolt 3 Carbon Steel



Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads ^{1,2} ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 1/4" x 1-3/4"	1/4"	1-3/4"	3/4"	00282502	100	03000340	1200	1-1/8"	430	530
KB3 1/4" x 2-1/4"	1/4"	2-1/4"	7/8"	00282503	100	03000860	1200	2"	800	530
KB3 1/4" x 3-1/4"	1/4"	3-1/4"	2"	00282504	100	03000695	800	2"	800	530
KB3 1/4" x 4-1/2"	1/4"	4-1/2"	2-7/8"	00282521	100	03000756	800	2"	800	530
KB3 3/8" x 2-1/4"	3/8"	2-1/4"	7/8"	00282505	50	03000861	400	1-5/8"	1095	1315
KB3 3/8" x 3"	3/8"	3"	1-1/2"	00282522	50	03000885	400	2-1/2"	1850	1315
KB3 3/8" x 3-3/4"	3/8"	3-3/4"	2-1/4"	00282523	50	03000903	400	2-1/2"	1850	1315
KB3 3/8" x 5"	3/8"	5"	3-1/2"	00282524	50	03000906	300	2-1/2"	1850	1315
KB3 3/8" x 7"	3/8"	7"	5-1/2"	00282525	50	03000786	300	2-1/2"	1850	1315
KB3 1/2" x 2-3/4"	1/2"	2-3/4"	1-1/4"	00282509	25	03000924	200	2-1/4"	1620	2405
KB3 1/2" x 3-3/4"	1/2"	3-3/4"	2-3/16"	00282526	25	03000959	200	2-1/4"	1620	2405
KB3 1/2" x 4-1/2"	1/2"	4-1/2"	2-7/8"	00282527	25	03000992	150	3-1/2"	2440	2415
KB3 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/4"	00282528	25	03000994	150	3-1/2"	2440	2415
KB3 1/2" x 7"	1/2"	7"	4-3/4"	00282529	25	03000995	150	3-1/2"	2440	2415
KB3 5/8" x 3-3/4"	5/8"	3-3/4"	1-5/8"	00282513	15	03000807	90	2-3/4"	2210	3785
KB3 5/8" x 4-3/4"	5/8"	4-3/4"	2-3/4"	00282530	15	03000998	90	4"	3385	3910
KB3 5/8" x 6"	5/8"	6"	4"	00282531	15	03000809	90	4"	3385	3910
KB3 5/8" x 7"	5/8"	7"	4-3/4"	00282532	15	03000811	90	4"	3385	3910
KB3 5/8" x 8-1/2"	5/8"	8-1/2"	6-1/2"	00282533	15	03000812	90	4"	3385	3910
KB3 5/8" x 10"	5/8"	10"	7"	00282534	15	03000813	90	4"	3385	3910
KB3 3/4" x 4-3/4"	3/4"	4-3/4"	2-7/16"	00282535	10	03001006	80	3-1/4"	2730	5310
KB3 3/4" x 5-1/2"	3/4"	5-1/2"	3-1/4"	00282536	10	03001009	80	4-3/4"	5285	5495
KB3 3/4" x 7"	3/4"	7"	4-5/8"	00282537	10	03000848	60	4-3/4"	5285	5495
KB3 3/4" x 8"	3/4"	8"	5-3/4"	00282520	10	03000849	60	4-3/4"	5285	5495
KB3 3/4" x 10"	3/4"	10"	6"	00282538	10	03000850	40	4-3/4"	5285	5495
KB3 3/4" x 12"	3/4"	12"	6"	00286016	10	03001195	30	4-3/4"	5285	5495
KB3 1" x 6"	1"	6"	2-1/4"	00286017	5	03001196	25	4-1/2"	4670	8140
KB3 1" x 9"	1"	9"	2-1/4"	00286018	5	03001197	20	6"	7070	9200
KB3 1" x 12"	1"	12"	6"	00286019	5	03001198	15	6"	7070	9200

¹ Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data



KWIK Bolt 3 Type 316 Stainless Steel

Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads ^{1,2} ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 316SS 1/4" x 2-1/4"	1/4"	2-1/4"	7/8"	00282565	100	03002197	1200	2"	705	805
KB3 316SS 1/4" x 3-1/4"	1/4"	3-1/4"	7/8"	00282566	100	03000785	800	2"	705	805
KB3 316SS 3/8" x 3"	3/8"	3"	1-1/4"	00282567	50	03000794	400	2-1/2"	1575	1590
KB3 316SS 3/8" x 3-3/4"	3/8"	3-3/4"	1-1/4"	00282568	50	03000795	400	2-1/2"	1575	1590
KB3 316SS 1/2" x 3-3/4"	1/2"	3-3/4"	1-5/16"	00282569	25	03000804	200	2-1/4"	1450	2380
KB3 316SS 1/2" x 4-1/2"	1/2"	4-1/2"	1-5/16"	00282570	25	03000805	150	3-1/2"	2510	3045
KB3 316SS 1/2" x 5-1/2"	1/2"	5-1/2"	1-5/16"	00282571	25	03000806	150	3-1/2"	2510	3045
KB3 316SS 5/8" x 3-3/4"	5/8"	3-3/4"	1-5/8"	00282572	15	03000840	90	2-3/4"	1860	4095
KB3 316SS 5/8" x 4-3/4"	5/8"	4-3/4"	1-1/2"	00282573	15	03000842	90	4"	3340	4625
KB3 316SS 5/8" x 6"	5/8"	6"	1-1/2"	00282574	15	03000843	90	4"	3340	4625
KB3 316SS 3/4" x 4-3/4"	3/4"	4-3/4"	1-1/2"	00286033	20	03001226	80	3-1/4"	2350	5645
KB3 316SS 3/4" x 5-1/2"	3/4"	5-1/2"	1-1/2"	00286034	20	03001227	60	4-3/4"	3870	5645
KB3 316SS 3/4" x 10"	3/4"	10"	5-7/8"	00286035	10	03001228	30	4-3/4"	3870	5645
KB3 316SS 1" x 6"	1"	6"	2-1/4"	00286036	5	03001229	25	4-1/2"	4610	7470

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Length Identification System

Stamp on Anchor		A	B	C	D	E	F	G	H	I	J	K	L	M
Length of Anchor (in)	From	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2
	Up to but not including	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2	8
Stamp on Anchor		N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Length of Anchor (in)	From	8	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18
	Up to but not including	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18	19

Accessories



Machine Setting Tool for 1/4", 3/8" and 1/2" KWIK Bolts (KB3 and KB-TZ)

- More convenient and faster than setting with a hammer, especially when installing overhead and when installing between existing pipes
- Reduces installation problems
 - No damaging of the threaded stud
 - No damaging of the base plate (when through fastening)
 - Exact embedment depth (using the depth gauge of the hammer drill)
- Accepted by all hammer drills with an TE-C (SDS) connection



Description	Length	Recommended Hammer Drills	Qty	Item No.
KB-TEC 6" Setting Tool	6"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337918
KB-TEC 12" Setting Tool	12"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337919

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