

## ANCHOR INSTALLATION INSTRUCTION KCAB-KCCAB

KCAB and KCCAB anchors shall be installed in holes drilled into the base material using carbide-tipped masonry drill bits complying with ANSI B212.15-1994. The nominal drill bit diameter shall be equal to that of the anchor. The drilled hole shall exceed the required anchor embedment depth by at least one anchor diameter to permit over-driving of anchors and to provide a dust collection area.

Anchors shall be installed to a minimum embedment depth and with at least the minimum edge distance as specified in the table below.

KCAB Data

KCCAB Data

Anchor Size	Minimum Embedment (in)	Minimum Edge Distance (in)	Minimum Embedment (in)	Minimum Edge Distance (in)
0.25	2.0	3.38		
0.38	3.0	4.88	2.00	6.50
0.50	4.0	6.75	3.25	7.50
0.62	5.0	8.25	4.00	8.75
0.75	6.0	9.75	4.75	9.00
1.00	8.0	13.50		
1.00 (Hi Capacity)	9.0	13.50		

The anchor shall be hammered into the predrilled hole until at least 6 threads (KCAB) or 4 threads (KCCAB) are below the fixture surface. The nut shall be tightened against the washer until the torque values specified in the table below are obtained.

KCAB Data

KCCAB Data

Anchor Size	Torque (in lb)	Torque (Nm)	Torque (in lb)	Torque (Nm)
0.25	4	6		
0.38	20	27	25	34
0.50	40	54	40	54
0.62	85	115	60	81
0.75	150	202	110	149
1.00	325	439		

See page to follow for detailed installation procedure.

**TITLE: KCAB & KCCAB ANCHOR INSTALLATION INSTRUCTIONS**

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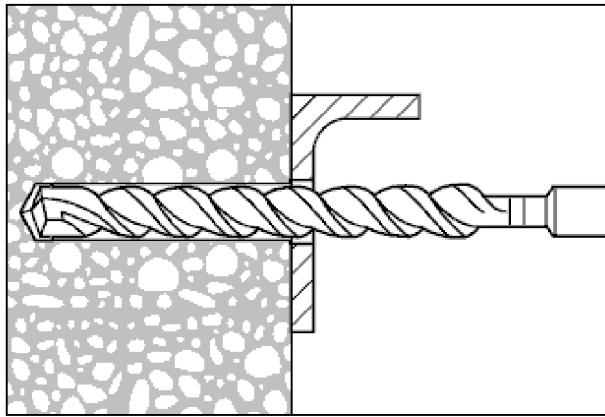


Toll Free (USA Only): 800-959-1229  
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 E-mail: [sales@kineticsnoise.com](mailto:sales@kineticsnoise.com)

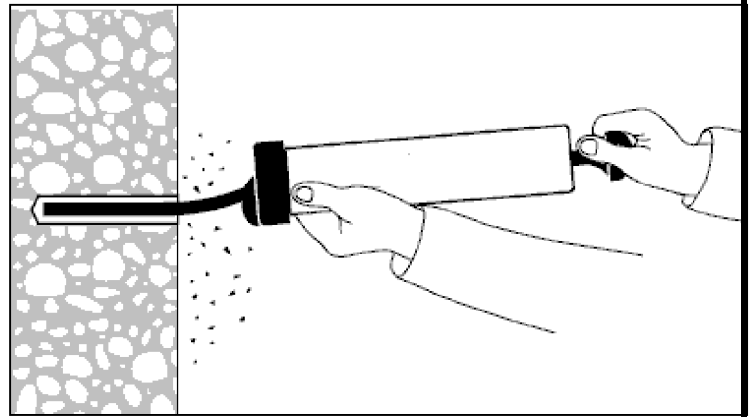


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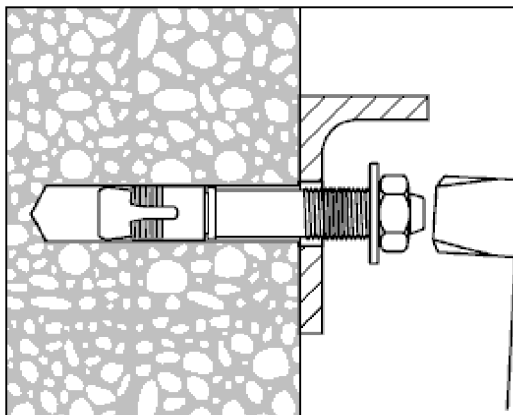
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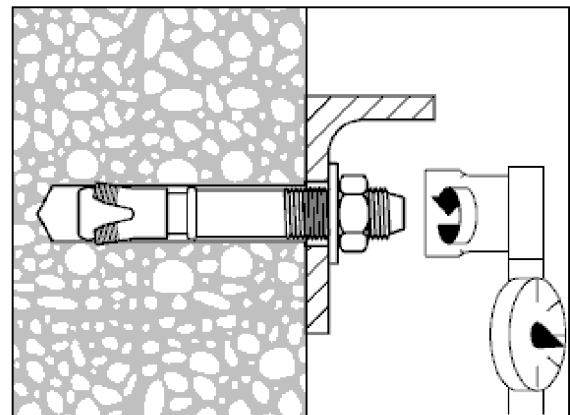
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2



3



4

- 1) Hammer drill a hole to the same nominal diameter as the KCAB or KCCAB using a bit complying with ANSI B212.15-1994. The hole depth should exceed the listed embedment depth by 1 anchor diameter. The component being restrained can be used as a guide to properly locate the hole.
- 2) Clean the hole using an air source to blow the debris out.
- 3) Drive the anchor bolt into the hole using a hammer.
  - a) KCAB anchors should be driven in to their rated embedment depth (with at least 6 threads being driven below the surface against which the nut will bear).
  - b) KCCAB anchors should be driven in to their rated embedment depth (with the marker on the side of the anchor flush with the concrete surface and with at least 4 threads being driven below the surface against which the nut will bear).
- 4) Tighten the nut to the recommended installation torque.

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 International: 614-889-0480  
 FAX: 614-889-0540  
 World Wide Web: [www.kineticsnoise.com](http://www.kineticsnoise.com)  
 E-mail: [sales@kineticsnoise.com](mailto:sales@kineticsnoise.com)



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