



CSI: DIVISION: 03 00 00—CONCRETE
Section: 03 15 00—Concrete Accessories

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, assessment and surveillance of the listee's quality system.

Product: BAB INSERT

Listee: BAB SUPPLY

Evaluation: The BAB Insert is a polypropylene internally threaded tube, molded with an exterior tapered/stepping configuration and a rectangular base. The BAB Insert is used as a dowel replacement for #4 and #5 vertical reinforcing bars for cast in place concrete slabs. The BAB Insert is illustrated in Figure 1 of this listing and evaluated in accordance with the following standard:

- ASTM E488-15, Standard Test Methods for Strength of Anchors in Concrete Elements, ASTM International.

Findings: The BAB Insert has the following tension and shear ultimate loads for a single insert in uncracked normal weight concrete when tested in accordance with ASTM E488, and as specified in Table 1 of this listing report.

Identification:

1. BAB Inserts are packed in containers labeled with the company logo and name (BAB Supply), the ICC-ES Listing Report number (ESL-1389), and when applicable, the ICC-ES Listing Mark.
2. The report holder's contact information is the following:

BAB SUPPLY
434 CHRISTIAN HERALD ROAD
VALLEY COTTAGE, NEW YORK 10989
(347) 682-0005
www.babsupply.com

Installation: Each BAB Insert must be installed in accordance with BAB Supply published installation instructions. The concrete requirements and installation parameters must comply with Table 1 and Figure 2.

Conditions of listing:

1. The listing report addresses only conformance with the standard noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. The mean ultimate loads listed in Table 1 are not intended to be used as design values; results of reliability and service-condition tests have not been included in this listing.
5. The BAB Inserts are manufactured under a quality control program with inspections by ICC-ES.

TABLE 1—DATA FOR BAB INSERT IN CONCRETE^{1,2,3}

Characteristic	Symbol	Unit	Nominal Bar Size			
			#4		#5	
Minimum Concrete Thickness	h_{min}	in (mm)	8 (203)	8 (203)	8 (203)	8 (203)
Minimum Tested Edge Distance	c_{ac}	in (mm)	3 ³ / ₄ (95)	3 ³ / ₄ (95)	3 ³ / ₄ (95)	3 ³ / ₄ (95)
Mean Ultimate Load From Static Tests	Symbol	Units	Nominal Bar Size			
			#4		#5	
Mean ultimate static tensile load, uncracked concrete	F_m	lb.	13,100		19,241	
Mean ultimate static shear load, uncracked concrete	F_m	lb.	3,900		6,132	

For SI: 1 in = 25.4 mm, 1 in² = 6.451×10⁻⁴ m, 1 ft-lb = 1.356 Nm, 1 lb/in² = 6.895 Pa.

¹ Tabulated values are for normal weight concrete with an f'_c = 5,000 psi.

² Reinforcement conforms to ASTM A615 Gr. 60.

³ The rebar shall be installed in the BAB insert filled with the AllFasteners VF200 PRO adhesive (ESR-4632), in accordance with the published installation instructions.

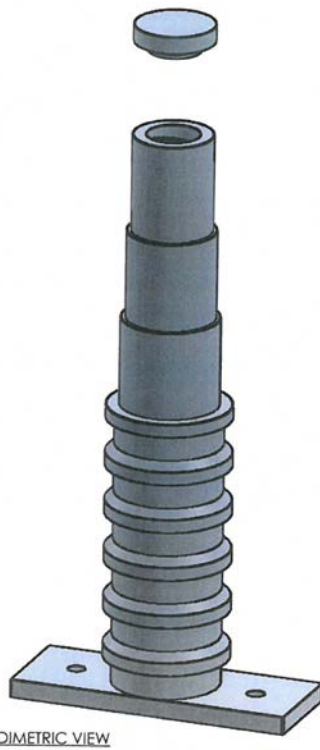


FIGURE 1 – BAB INSERT

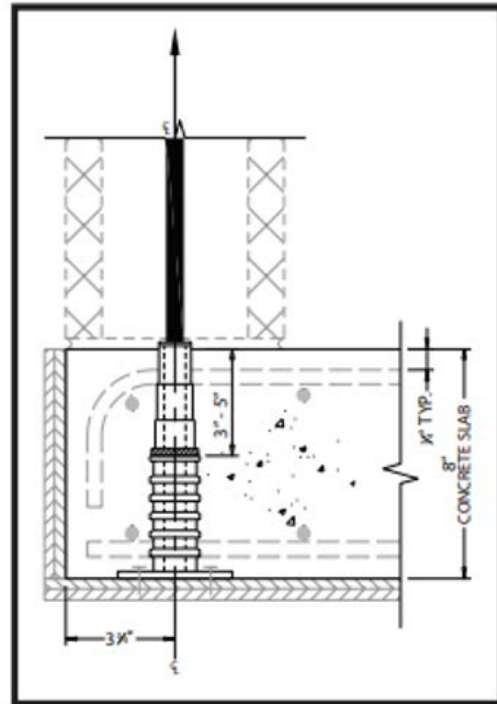


FIGURE 2 – BAB INSERT INSTALLATION