



100 Royal Way  
 Temple, GA 30179  
 Phone (800) 520-6593

**SPECIFICATION DATA SHEET**

Date:12-4-14

**MODEL No. 506RAB**  
**Duct Board Return Air Box**

**DIMENSIONAL DATA**

<u>Size</u>	<u>Register Size</u> <u>AxB</u>	<u>Actual Dimensions</u> <u>with R6 Insulation</u>
10 x 10	10 1/2" x 10 1/2"	13 1/2 x 13 1/2
12 x 12	12 1/2" x 12 1/2"	15 1/2 X 15 1/2
14 x 14	14 1/2" x 14 1/2"	17 1/2 X 17 1/2
16 x 16	16 1/2" x 16 1/2"	19 1/2 X 19 1/2
18 x 18	18 1/2" x 18 1/2"	21 1/2 X 21 1/2
20 x 20	20 1/2" x 20 1/2"	23 1/2 X 23 1/2
24 x 12	24 1/2" x 12 1/2"	27 1/2 X 15 1/2
24 x 18	24 1/2" x 18 1/2"	27 1/2 X 21 1/2
24 x 24	24 1/2" x 24 1/2"	27 1/2 X 27 1/2
30 x 18	30 1/2" x 18 1/2"	33 1/2 X 21 1/2

**FABRICATION DATA**

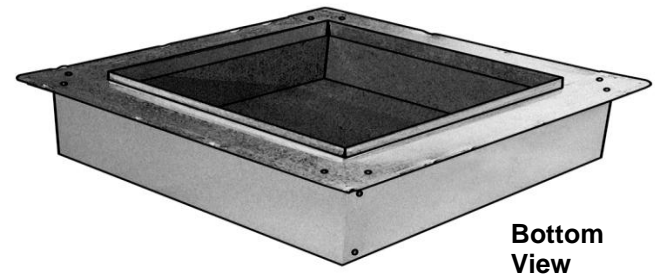
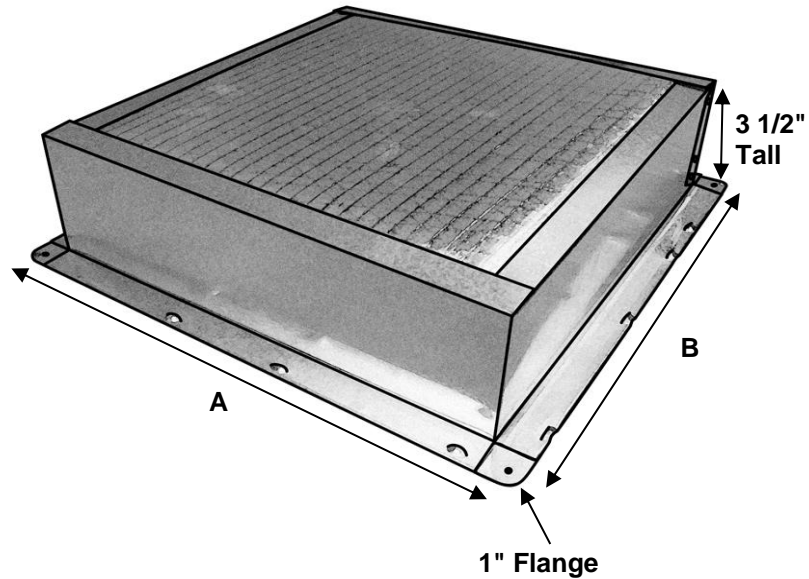
**Material:**  
 ASTM-A653 CS Type B Galvanized Steel - 30GA, 14x14 and above 28GA  
 G-30 Coating LFQ Chemical Treatment

**Assembly:**  
 Ceiling boot assembled with C-115 2/16 zinc coated steel rivets, has a rectangular opening with a 1" 90 deg outboard flange and 1/2" drywall flange.

**Insulation:**  
**Knauf Eclipse® Air Duct Board with ECOSE® Technology** - rigid fiber glass board on one side with a foil-scrim-kraft(FSK) vapor retarder and a lightweight black fiber glass mat on the airstream surface.  
 ASTM C1136; Type II (FSK facing), ASTM G 21, C 411, UL 181, ASTM C 665, NFPA 90A & 90B.

**Knauf Equipment Liner M with ECOSE® Technology**  
 Available Thickness: R6 - 1 1/2"

ASTM C 1071, Type I, Flexible (replaces obsolete Federal Spec HH-I-545B.) NFPA 90A/90B, ASTM C 665/1617, Temp Range ASTM C 411, Microbial Growth (ASTM C 1338, G 21)



**Installation:**  
 Install with Boot Rail # 100326  
 sold separately

**Item # 100326**



**Bottom View**

**Superior Quality, Superior Service, Superior Value.. that's the Royal Advantage**