

51350 Suggested Specification & Configuration

1. SERIES: (XXXXX)

51350 - Heavy Duty Aluminum Linear Bar Grille

2. WIDTH: (XX)

6" - 30" in 2" Increments

3. HEIGHT: (XX)

4" - 30" in 2" Increments

4. SLEEVE LENGTH: (XX)

00 - None

06 - 6"

08 - 8"

10 - 10"

12 - 12"

14 - 14"

16 - 16"

18 - 18"

5. DAMPER: (XXX)

000 - No Damper

53F - Front Operated Aluminum OBD *

53R - Rear Operated Aluminum OBD *

6. ACCESSORIES: (XX) (XX)

00 - No Accessories

0L - Angle Frame Shipped Unpainted and Loose for Field Installation

01 - Security Bars, 1/2" Diameter Round Steel Bar on 6" Centers

02 - Anchor Bars, 1/2" Diameter x 3" Long

07 - Two Loose Angles, Shipped Unpainted and Separately for Field Installation

7. FINISH: (XX)

01 - Mill

44 - British White

* Tack welded in sleeve.

51350

The minimum security grille shall be a Krueger model 51350. The face of the minimum security grille shall be constructed of 1/8" thick aluminum extrusion for the frame and 3/16"x3/4" thick aluminum bars for the blades. The blades shall be set at 0° deflection and reinforced by an aluminum tube spaced no greater the 6" on center utilizing mandrel construction. Each end shall have 1/4" thick aluminum vertical supports welded to the frame for support. The sleeve shall be 1/8" thick aluminum and stitch welded to the face of the minimum security grille and along the entire length of the sleeve.

Optional front or rear operated aluminum opposed blade damper available.

Other options include two loose 1 1/2"x1 1/2"x1/8" aluminum angles, aluminum angle frame 1 1/2"x1 1/2"x1/8" welded at the corners, 1/2" diameter x 3" long aluminum anchor bars and 1/2" diameter aluminum security bars.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.