

1310, 1310TF, 51310 Suggested Specification & Configuration

1310, 51310

The security grille shall be a Krueger model 1310 (steel, maximum security) or 51310 (aluminum, medium security). The face of the maximum security grille shall have 5/16" diameter holes on 7/16" staggered centers with 46% free area and be 3/16" thick for 1310 (steel) or 1/8" thick for 51310 (aluminum). The sleeve shall be 3/16" thick for 1310 (steel) or 1/8" thick for 51310 (aluminum) and stitch welded to the face of the maximum security grille and along the entire length of the sleeve.

1310TF

The maximum security transfer grille shall be a Krueger model 1310TF (steel). The maximum security transfer grille shall have two faces with 5/16" diameter holes on 7/16" staggered centers with 46% free area and be 3/16" thick. The two faces shall be connected by an 3/16" thick sleeve. The sleeve shall be stitch welded to the two faces and along the entire length of the sleeve.

Optional front or rear operated steel opposed blade damper for the 1310 (steel). Optional front or rear operated aluminum opposed blade damper for the 51310 (aluminum).

Other options for the 1310 (steel) security grilles include two loose 1 1/2"x1 1/2"x3/16" steel angles, steel angle frame 1 1/2"x1 1/2"x3/16" welded at the corners, 3/4" diameter x 3" long steel anchor bars and 3/4" diameter steel security bars.

The 1310TF (steel) accessories are 3/4" diameter x 3" long steel anchor bars and 3/4" diameter steel security bars.

Other options for the 51310 (aluminum) security grille 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 3/4" 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.

- 1. SERIES: (XXXXXX)**
 1310 - Steel Supply and Return Security Grille
 51310 - Aluminum Supply and Return Security Grille
 1310TF - Steel Transfer Grille
- 2. WIDTH: (XX)**
 6" - 30" in 2" Increments or 9" *
- 3. HEIGHT: (XX)**
 4" - 30" in 2" Increments or 9" *
- 4. SLEEVE LENGTH: (XX)**
 6", 8", 10", 12", 14", 16", or 18"
- 5. DAMPER: (XXX)**
 00 - No Damper
 3F - Front Operated Steel OBD **
 3R - Rear Operated Steel OBD **
 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, 3/4" Diameter Round Steel Bar on 6" Centers †
 02 - Anchor Bars, 3/4" Diameter x 3" Long ††
 07 - Two Loose Angles, Shipped Separately for Field Installation †
- 7. FINISH: (XX)**
 01 - Mill
 44 - British White

For 1310TF, wall will be constructed around grille or backfill.
 * If selecting 9" width, height must also be 9".
 ** Damper welded in sleeve.
 *** Available to 51310 only. Damper tack welded in sleeve.
 † Accessories L and 07 only available to 1310/51310 series.
 † For 51310, security bars are 1/2" diameter aluminum bars on 6" centers.
 †† For 51310, anchor bars are 1/2" diameter x 3" long.

SAMPLE CONFIGURATION: 1310 - 18x18 - 10 - 3F - 0L - 00 - 44