

1600 Suggested Specification & Configuration

1. SERIES: (XXXX)

1600 - Aluminum Linear Bar Grille (1/8" Bars)

2. LENGTH: CANNOT EXCEED WIDTH (XXX.XXX)

6" - 999" in 1/16" Increments

3. WIDTH: (XX.XX)

2" - 24" in 1/4" Increments

4. BAR SPACING: (X)

N - Normal 1/4" *

E - Every Other Bar 1/2"

5. DEFLECTION: (XX)

0° or 15°

6. FRAME: (XX)

CODE	PLASTER
A - 1 1/4"	AE - 1 1/4"
B - 1"	BE - 1"
C - 3/4"	CE - 3/4"
D - 1/2"	DS - 1/2"
R - 1/4"	RG - 1/4"

7. MOUNTING: (XX) **

00 - None

01 - Spring Clip

02 - Surface Mount Concealed *

03 - Screw Hole Mounting

8. END BORDER: (X)

0 - End Cap Both Sides

B - Both Ends Butt Cut

L - Left End Butt Cut

R - Right End Butt Cut

9. DAMPER: (XX)

00 - No Damper 19 - SBD

01 - Steel LOBD 20 - 5SBD

15 - Aluminum LOBD

10. ACCESSORIES: (XX) (XX)

0 - No Accessories

B - Blank-off Strip

L - Linear Straightening Grid

AD - Access Door

11.FINISH: (XX) †

01 - Mill

10 - Alumican

35 - Black

44 - British White

Lengths greater than 72" are in multiple sections.

* Concealed mounting not available with damper and/or Normal 1/4" bar spacing.

** All mounting for Frame R is by others.

† Clear and Bronze anodizing available.

1600

The linear bar grille shall be Krueger model 1600 with 1/8" thick fixed bars at 0° or 15° deflection spaced on 1/4" centers or 1/8" thick fixed bars at 0° or 15° deflection spaced on 1/2" centers (every other).

The 1600 shall be constructed of extruded aluminum with the maximum single length of 72". Units longer than 72" shall be provided in multiple sections and assembled with alignment strips or pins provided by the manufacturer yielding a continuous linear appearance. When end pieces require an end cap, the end cap must be mitered and mechanically attached to the linear frame. Screw attachment of end caps will not be accepted.

The 1600 linear bar core shall be locked to the extruded aluminum frame with the fixed deflection bars running parallel to the longest dimension. Support bars for the core must not exceed 9" on center spacing.

Optional linear opposed blade damper (LOBD) shall be constructed of heavy gage steel (aluminum also available as 5LOBD). Damper shall be operable from the face of the grille.

Optional curving of linear bar grilles to a minimum of 72" radius is available upon request.

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.

SAMPLE CONFIGURATION: 1600 - 144x06 - N - 15 - B - 01 - 0 - 00 - 0 - 0 - 44