

680, 5680, 6880, 56880 Suggested Specification & Configuration
1. SERIES: (XXXXX)

- 680 - Single Deflection, Extruded Aluminum Blades, Steel Frame, Industrial Supply Grille
- 5680 - Single Deflection, Extruded Aluminum Blades and Frame, Industrial Supply Grille
- 6880 - Double Deflection, Extruded Aluminum Blades, Steel Frame, Industrial Supply Grille
- 56880 - Double Deflection, Extruded Aluminum Blades and Frame, Industrial Supply Grille

2. PATTERN: (XXX)

- H15 - Horizontal, 1 1/4" Blade Spacing
- H20 - Horizontal, 2" Blade Spacing
- H30 - Horizontal, 3" Blade Spacing
- V15 - Vertical, 1 1/4" Blade Spacing
- V20 - Vertical, 2" Blade Spacing
- V30 - Vertical, 3" Blade Spacing

3. WIDTH: (XX)

- 6" - 48" in 1" Increments *

4. HEIGHT: (XX)

- 6" - 48" in 1" Increments *

5. DAMPER: (XX)

- 00 - No Damper
- 14 - Heavy Duty Damper (Model OBDHD)

6. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

Use multiple sections for larger sizes.

Mounting hardware is to be provided by others.

** Minimum width and height for 3" blade spacing is 12".*

680, 5680

The single deflection industrial supply grille shall be a Krueger model 680/5680. This grille must have individually adjustable blades, held in place with a tensioning wire on 1 1/4", 2", or 3" centers which extend through the frame for added rigidity throughout the entire cataloged CFM range. The blade shall be a solid aluminum extruded airfoil shape design. The frame of the grille shall be constructed of 18 gage steel (680) or extruded aluminum (5680) with screw holes for mounting. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

6880, 56880

The double deflection industrial supply grille shall be a Krueger model 6880/56880. This grille must have individually adjustable blades, held in place with a tensioning wire on 1 1/4", 2", or 3" centers which extend through the frame for added rigidity throughout the entire cataloged CFM range. The 6880 blades shall be a solid aluminum extruded airfoil shape design. The frame of the grille shall be constructed of 18 gage steel (6880 only) or extruded aluminum (56880 only) with screw holes for mounting. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional heavy-duty damper shall be available made of heavy gage steel and operable from the face of the supply grille.

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.