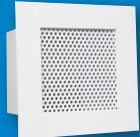


1310, 1310TF & 51310
These perforated face supply grilles feature 5/16" diameter holes on 7/16" staggered centers.



13SD
This perforated face supply grille features 3/16" diameter holes on 9/32" staggered centers.



1320
This lattice face supply grille features 2"x2" square holes and wire mesh between face plate and backer plate.



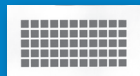
1330
This louvered face supply grille features a wire mesh between the mullion and mesh guard. Blades set horizontally at 40°.



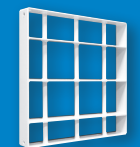
1340
This lattice face with louvered core supply diffuser features 13/16" square holes and 3/16" fret.



51350
This aluminum supply and return grille features 3/16"x3/4" bars on 1/2" centers. Bars are set at 0° deflection.



1380 & 51380
These lattice or perforated face plates feature 13/16" square holes with 3/16" fret or 5/16" diameter holes on 7/16" staggered centers.



1390
This barred duct work features a vertical or horizontal security bar. Round bars are 3/4" diameter. Flat bars are 2 1/2"x1/4".



1390F
This barred duct work with sleeve features vertical and horizontal round security bars. Round bars are 3/4" diameter.

1310, 1310TF, 51310

Introduction & Dimensional Information L1-3
Reference Charts L1-5
Performance Data L1-7
Engineering Specification L1-12

13SD

Introduction & Dimensional Information L1-13
Reference Charts L1-14
Performance Data L1-16
Engineering Specification L1-21

1320

Introduction & Dimensional Information L1-22
Reference Charts L1-23
Performance Data L1-25
Engineering Specification L1-30

1330

Introduction & Dimensional Information L1-31
Reference Charts L1-32
Performance Data L1-34
Engineering Specification L1-39

1340

Introduction & Dimensional Information L1-40
Installation Details, Discharge Air Patterns, & Reference Chart L1-41
Performance Data L1-42
Engineering Specification L1-44

51350

Introduction & Dimensional Information L1-45
Reference Charts L1-46
Performance Data L1-48
Engineering Specification L1-53

1380L, 51380L, 1380P, 51380P

Introduction & Dimensional Information L1-54
Screw Hole Detail L1-55
Engineering Specification L1-56

1390

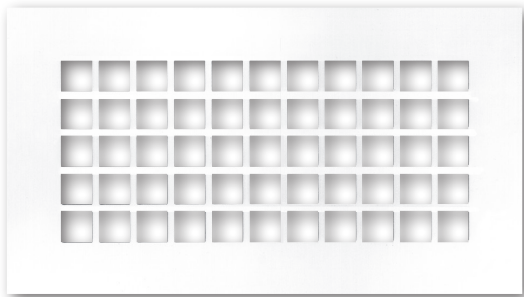
Introduction & Dimensional Information L1-57
Engineering Specification L1-58

1390F

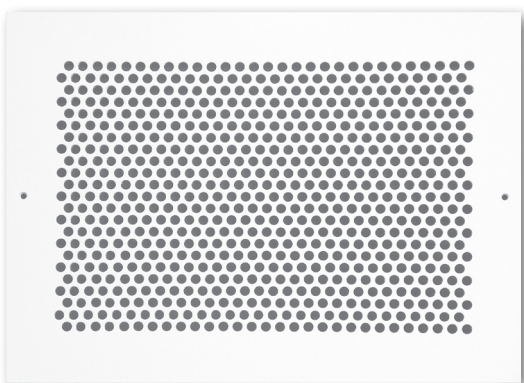
Introduction & Dimensional Info L1-59
Engineering Specification L1-60

Security Grille Accessories

Dimensional Information L1-61



1380L



1380P

Introduction: 1380, 51380L, 1380P, 51380P

The 1380 series minimum security lattice face features two different hole patterns for varying applications requirements. The 1380 lattice face is design to be used either as a stand-alone product or can be used as a secure face cover for Krueger’s line of grilles and registers. The square hole design offers minimal security and performance degradation while the round hole pattern offers higher security.

MODELS

- 1380L - Minimum security lattice face with 12 gage face and 13/16” square holes with 3/16” fret, steel construction (66% free area).
- 51380L - Minimum security lattice face with 1/8” thick face and 13/16” square holes with 3/16” fret, aluminum construction (66% free area).
- 1380P - Minimum security lattice face with 12 gage face and 5/16” holes on 7/16” staggered centers, steel construction (46% free area).
- 51380P - Minimum security lattice face with 1/8” thick face and 5/16” holes on 7/16” staggered centers, aluminum construction (46% free area).

FEATURES

- 30”x30” Maximum single unit size.

ACCESSORIES

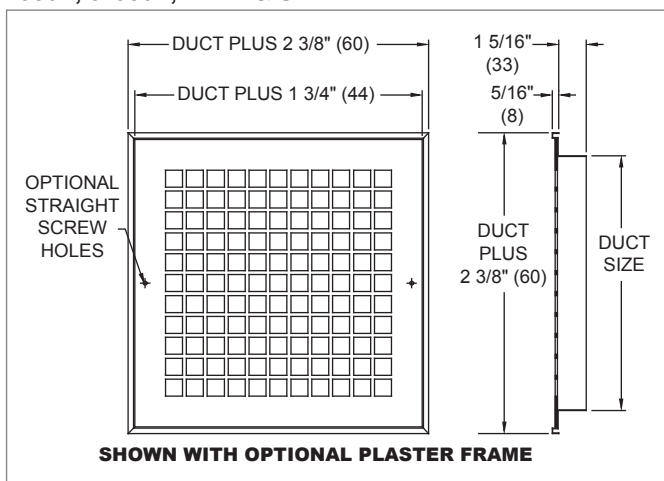
- Plaster frame.
- Front operated OBD.

FINISHES

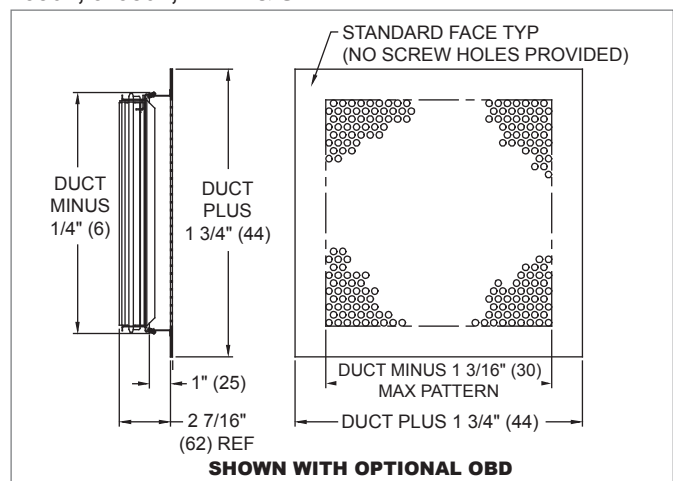
- Standard finish is #44 British White.
- Optional finish is Mill.

1380L, 51380L, 1380P, 51380P Dimensional Information

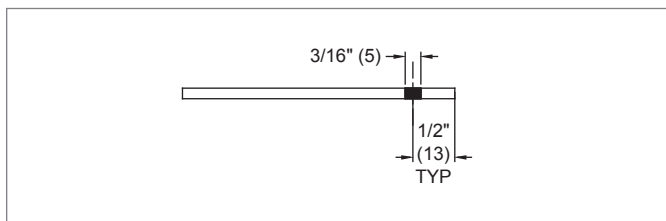
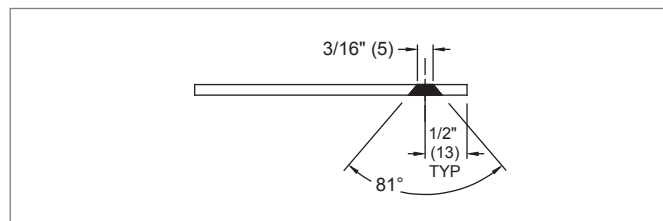
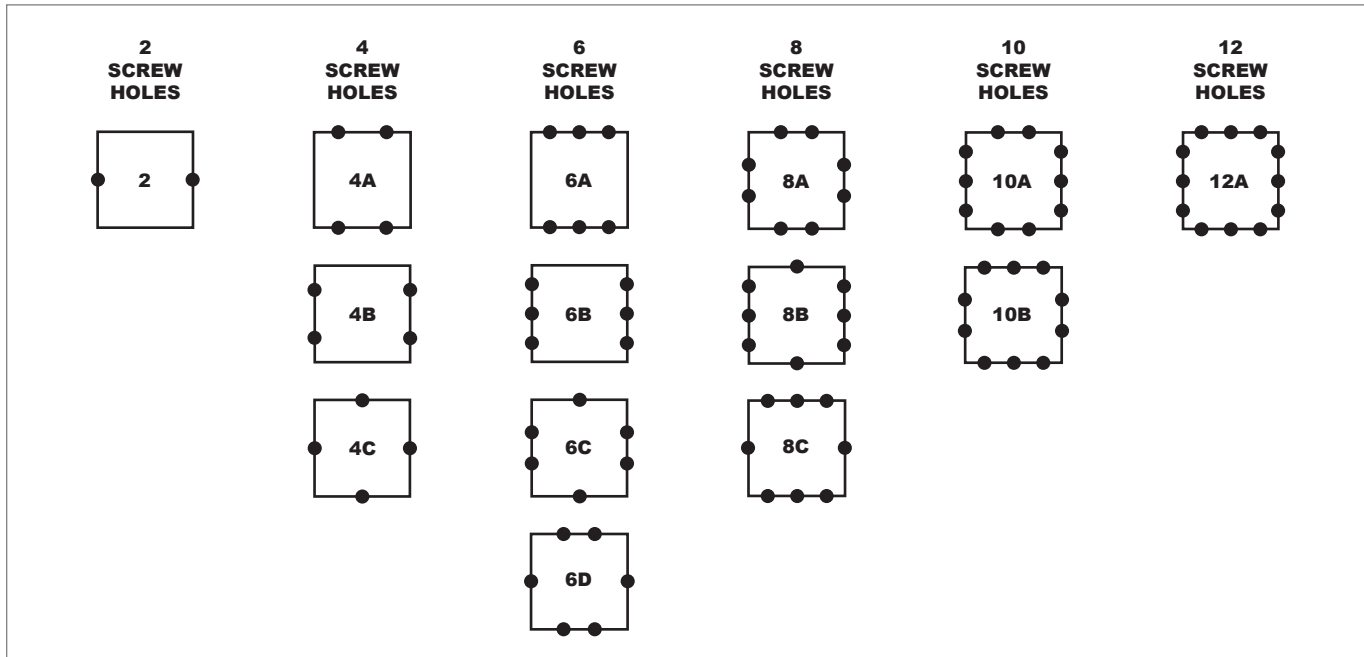
1380L, 51380L, FACE & SIDE VIEW



1380P, 51380P, FACE & SIDE VIEW



NOTE: Dimensions in parentheses are mm.

1380L, 51380L, 1380P, 51380P Screw Hole Detail
STRAIGHT SCREW HOLE CROSS SECTION

COUNTERSUNK SCREW HOLE CROSS SECTION

1380, 51380L, 1380P, 51380P SCREW HOLE TABLE DESCRIPTIONS

1380, 51380L, 1380P, 51380P SCREW HOLE TABLE DESCRIPTIONS

	Horizontal Dimension														
	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"		
Vertical Dimension	4"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	5"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	6"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	8"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	10"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	12"	2	2	2	2	2	2	2	4A	4A	6A	6A	6A	6A	
	14"	2	2	2	2	4C	6D	6D	6D	6D	6D	8C	8C	8C	
	16"	2	2	2	2	6D	6D	6D	6D	6D	6D	8C	8C	8C	
	18"	2	2	2	2	6D	6D	6D	6D	6D	6D	8C	8C	8C	
	20"	4B	4B	4B	4B	6D	6D	6D	6D	6D	6D	8C	8C	8C	
	22"	4B	4B	4B	4B	6D	6D	6D	6D	6D	6D	8C	8C	8C	
	24"	6B	6B	6B	6B	6D	6D	6D	6D	6D	6D	8A	10B	10B	10B
	26"	6B	6B	6B	6B	8B	8B	8B	8B	8B	8B	10A	10A	10A	10A
	28"	6B	6B	6B	6B	8B	8B	8B	8B	8B	8B	10A	10A	12A	12A
30"	6B	6B	6B	6B	8B	8B	8B	8B	8B	8B	10A	10A	12A	12A	

NOTE: Dimensions in parentheses are mm. Refer to the above illustration to find locations of screw holes. Security screws provided by others.

1380L, 51380L, 1380P, 51380P Suggested Specification & Configuration**1380L, 51380L**

The minimum security lattice face shall be a Krueger model 1380L (steel) or 51380L (aluminum). The minimum security lattice face shall have 13/16" square holes on 1" centers providing 66% free area and be constructed of 12 gage steel (1380L) or 1/8" thick aluminum (51380L). The lattice face shall be available with 3/16" diameter screw holes for surface mounting. Tamper proof screws are to be provided by others according to structural requirements.

1380P, 51380P

The minimum security lattice face shall be a Krueger model 1380P (steel) or 51380P (aluminum). The minimum security lattice face shall have 5/16" diameter holes on 7/16" staggered centers with 46% free area and be constructed of 12 gage steel (1380P) or 1/8" thick aluminum (51380P). The lattice face shall be available with 3/16" diameter screw holes for surface mounting. Tamper proof screws are to be provided by others according to structural requirements.

Optional front operated steel opposed blade damper for the 1380L (steel) and 1380P (steel).

Optional front operated aluminum opposed blade damper for the 51380L (aluminum) and 51380P (aluminum).

Optional steel plaster frame for the 1380L (steel) and 1380P (steel).

Optional aluminum plaster frame for the 51380L (aluminum) and 51380P (aluminum).

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: (XXXXX)**
 1380 - Steel Supply or Return
 51380 - Aluminum Supply or Return
- 2. PATTERN: (X)**
 L - Lattice Face Plate with 13/16" Square Holes with 3/16" Fret
 P - Perforated Face Plate with 5/16" Round Holes on 7/16" Staggered Centers
- 3. WIDTH: (XX)**
 6" - 30" in 2" Increments
- 4. HEIGHT: (XX)**
 4" - 30" in 2" Increments
- 5. FASTENING METHOD: (XXX)**
 NSH - No Screw Holes
 C - Countersunk Screw Holes
 S - Straight Screw Holes; 0.188" Diameter
- 6. DAMPER: (XXX)**
 00 - No Damper
 3F - Front Operated Steel OBD *
 53F - Front Operated Aluminum OBD **
- 7. ACCESSORIES: (XX)**
 00 - No Accessories
 05 - Steel Plaster Frame
- 8. FINISH: (XX)**
 01 - Mill
 44 - British White

* Available only for 1380.

** Available only for 51380.

SAMPLE CONFIGURATION: 51380 - P - 12x18 - C - 00 - 00 - 44