OVERVIEW | Sleeve Security R&G, Round Hole Perforated

RSPA51 - Grille
RSPA52 - Register
RSPA53 - Grille with Fire Damper
RSPA54 - Register with Fire Damper

Application
The RSPA 51 group is used in security applications where there is a concern that the occupant may attempt suicide. The 3/16" perforated hole pattern is designed to deter passage of any string through the face and back. This hole pattern also prevents any chance to hide contraband. This is not a substitute for proper security practices. Because of the perforated hole pattern, the opposed blade damper needs to be accessed from the back side.

Standard Features
• Face and sleeve are 3/16" hot-rolled steel.
• Hole pattern is 3/16" round holes on staggered 9/32" centers.
• 2" x 2" x 3/16" wall angles are provided as standard, in four loose pieces for field welding.
• Standard finish is electrocoat acrylic baked enamel.
• Standard color is #11 bright white.
• Minimum wall depth for RSPA53 is 5", to conform to UL listing.
• Minimum wall depth for RSPA54 is 7", to conform to UL listing.

Optional Features
• When specified, Option “H” provides the wall angles in four loose pieces for field bolting, with mounting holes pre-punched in the angles, and security nuts and bolts provided.

Quick Select Chart
This shows units with:
• A maximum NC/RC of 35.
• A minimum duct velocity of 200 FPM.

Model Numbering System
R - Register or Grille
SP - Steel Security

Design Series
RSPA 51 - Grille
RSPA 52 - Register
RSPA 53 - Grille with Fire Damper
RSPA 54 - Register with Fire Damper

Nominal Width
06 - 6" Through 48 - 48"

Nominal Height
06 - 6" Through 36 - 36"

Wall Depth (E-Dim)
04 - 4" Min. Through 12 - 12"

Finish
11 - Bright White (Default)
15 - Options for details.

Mounting
W - Wall Angles in Four Loose Pieces for Field Welding (Default)
H - Wall Angles in Four Loose Pieces for Field Bolting, with Nuts and Bolts Included and Holes Pre-Punched in Angles

Barrier Bars
B
C
D

Meets requirements for California Title 24 and approved by the New York State Office of Mental Health.
RSPA51 - Grille
RSPA52 - Register
RSPA53 - Grille with Fire Damper
RSPA54 - Register with Fire Damper

Model Notes:
1. Opposed Blade damper is electrogalvanized steel construction.
2. Damper is operated via flat-blade screwdriver from the back.

Model Notes:
1. Fire damper is dynamic wall-mount style as standard.
2. The fire damper is UL555 classified with 1-1/2 hour rating.

Overall Notes:
1. Metric dimensions are given in millimeters.
2. Standard finish is electrocoat acrylic baked enamel.
3. Standard color is #11 bright white.
4. Recommended minimum wall opening size is listed size plus 3/4" (19).
5. Size 12" x 12" (305 x 305) with an 8" (203) wall depth, is shown above.

Construction Notes:
1. Sleeve and Face Frame are 3/16" (5) hot rolled steel. Perforated face has 3/16" (5) diameter holes on staggered 9 32" (7) centers.
2. Wall Angles are 2" x 2" x 3/16" (51 x 51 x 5) hot rolled steel. They are shipped in 4 pieces for field welding.

DISCLAIMER: Carnes Suicide Deterrent Grilles are designed to reduce the potential risk of suicide attempts and are designed to allow air flow through them to provide adequate ventilation to the space where used according to specifications. These products do not guarantee that they are suicide proof or that they cannot be used to inflict harm. Carnes warrants only the construction and performance in accordance to the specific specifications of the units as listed in its appropriate specification sheet.
### PERFORMANCE DATA | Sleeved Security R&G, Round Hole Perforated

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<th>Duct Velocity Total Pressure</th>
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### Notes on Performance Data
- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10 db re 10⁻¹² watts.

### Notes on Units of Measure Used
- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in NC.
- Throws are given in feet to terminal velocities of 150, 100 and 50 fpm, respectively.
Option “H” - Mounting Angles for Field Bolting onto Wall R&G

**Application**
The RSPA 51 group is used in security applications where there is a concern that the occupant may attempt suicide. The 3/16” perforated hole pattern is designed to deter passage of any string through the face and back. This hole pattern also prevents any chance to hide contraband. This is not a substitute for proper security practices. Because of the perforated hole pattern, the opposed blade damper needs to be accessed from the back side.

**Features**
- Mounting angles are provided with holes punched on 6” centers.
- There are a minimum of 2 holes per mounting angle.
- The bolts provided are #1/4-20 x 1” snake-eyes head.
- The nuts provided are 1/4-20 self-locking hex nuts.

Barrier Bar Options

**Option B** - 1/2” round bar on 6” centers.

**Option C** - 3/4” round bar on 6” centers.

**Option D** - 3/4” round bar vertical on 6” centers through horizontal bars (3/8” x 2-1/2”) on 12” centers. All intersections are welded.