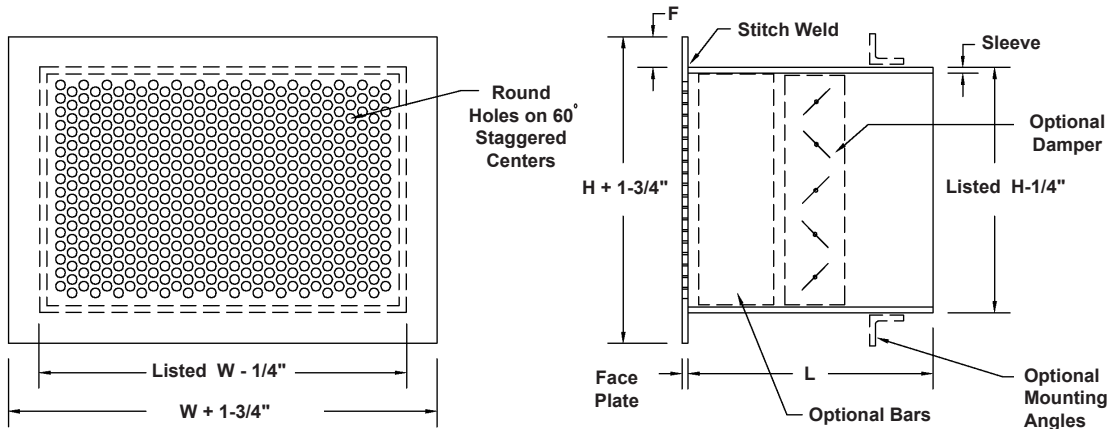


SEG-9SP5 STEEL SECURITY GRILLE – SUPPLY OR RETURN

Complies with NIC recommendations and California BoP Title 24



STANDARD CONSTRUCTION:

Flange: 12 ga. steel stitch welded to sleeve. 1" face flange.
Hole Pattern: 5/32" diameter holes on 7/32" staggered centers.
Sleeve: 12 ga. steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:**
- 12 ga. steel (Std.)
 - 10 ga. steel (Limited Sizes)
 - 3/16" steel (1-12 ga. and 1- 14 ga. face plates spot welded together)
 - Other _____
- Hole Pattern:**
- 5/32" dia. holes on 7/32" centers. (Std.)
 - Other _____
- Flange "F":**
- 1" (Std.)
 - Other _____
- Sleeve Material:**
- 12 ga. steel (Std.)
 - 10 ga. steel
 - 3/16" steel
 - Other _____
- Finish:**
- White (Std.)
 - Other _____
- Other Material:**
- SEG-9SP5A** all aluminum (Consult factory for material thickness and size limitations)
 - SEG-9SP5SS** all stainless steel (Consult factory for material thickness (Consult factory for material thickness and size limitations)

MOUNTING OPTIONS:

- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish steel angle loose for field welding to sleeve. Length equal to longest side of grille. Other angle size _____
 - 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding to sleeve. Other angle size _____
 - 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
 - 12B.** Same as 12A with the addition of bolt holes in sleeve. (Advise wall or ceiling thickness). Other angle size _____
 - 23.** Masonry anchors: 1/2" x 3" Anchors 16" o.c., one per side minimum, welded to sleeve exterior. Other size or spacing _____
 - 24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange.
 - 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____
- ACCESSORIES:**
- 16F.** Face operated opposed blade damper tack welded into sleeve. Requires 3/16" dia. hole for access to acuator. Dampers adjusted using flat bladed screwdriver.
 - 16R.** Rear operated opposed blade damper tack welded into sleeve. Dampers are adjusted using flat bladed screwdriver.
 - 21.** 2" x 1/4" A-36 mild steel vertical backer bars 6" o.c.
 - Other:** _____

Qty.	Listed Size		Sleeve O.D.		Masonry Opening		Sleeve Length L	Wall / Ceiling Thickness	Accessories	Mounting Option	Tag
	W	H	W	H	W	H					

To maintain KEE'S policy of continuous product improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation.

Project				Location			
Architect / Engineer				Contractor			
Representative				Dwg. No.		SEG9SP5w 7/10/2012	
Date				KEES INCORPORATED Elkhart Lake, WI 53020 Phone: (920) 876-3391 Fax: (920) 876-3065 Website: www.kees.com			

