

MODEL

- 51350 - Minimum security aluminum grille with fixed 3/16" x 3/4" blades set at 0° on 1/2" centers

FEATURES

- Extruded aluminum frame
- 5/16" Diameter tube is expanded to lock blades in place and reinforced full length by 1/4" diameter aluminum rod (mandrel construction)
- 1/8" thick aluminum stitch welded sleeve

GRILLE SIZE

- Width: 6" - 30" (2" increments), 9" ¹
- Height: 4" - 30" (2" increments), 9" ¹
- Sleeve Length: 6" - 18" (2" increments)

COMPATIBLE OPTIONS AND ACCESSORIES

- Unpainted aluminum angle frame shipped loose for field installation, constructed of 1 1/2"x1 1/2"x1/8" angle ²
- Aluminum 1/2" diameter security bars on 6" centers welded in sleeve
- Aluminum 3"x1/2" diameter anchor bars
- Two unpainted loose aluminum angles shipped loose for field installation, constructed of 1 1/2"x1 1/2"x 1/8" angle ²
- Front or rear operated OBD ³

NOTES:

- ¹ If selecting 9" width, height must also be 9".
- ² Steel angle frame is not compatible with the two loose angles.
- ³ Damper welded in sleeve.

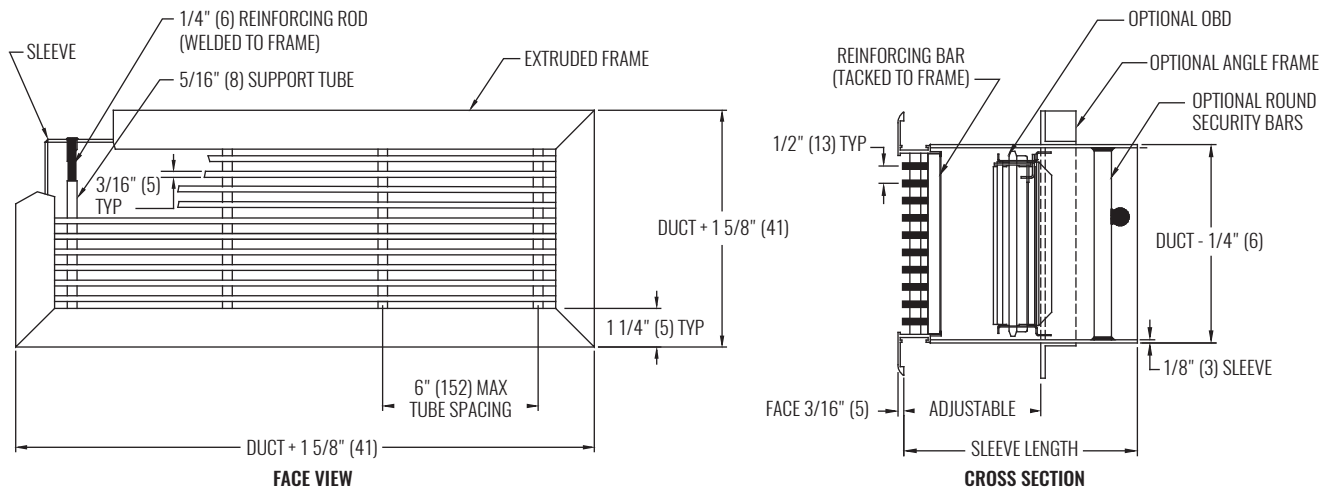


51350

Minimum Security, Heavy Duty, Aluminum Bar Grille



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). Recommended opening = duct size + 1/2". Optional angle frame or loose angles to be field welded for mounting.

PERFORMANCE DATA

SIZE	PERFORMANCE - HORIZONTAL THROW, 48" UNIT LENGTH			
	NC (< 25)		NC (25 - 40)	
	CFM	THROW (ft)	CFM	THROW (ft)
6"x6"	25 - 125	8 - 21	150 - 175	23 - 24
8"x8"	44 - 222	10 - 27	267 - 356	30 - 35
10"x10"	69 - 278	12 - 31	347 - 556	34 - 43
12"x12"	200 - 400	26 - 37	600 - 800	41 - 52
16"x8"	100 - 413	16 - 37	491 - 725	41 - 50
18"x6"	100 - 350	17 - 34	413 - 600	37 - 45
20"x18"	300 - 1075	27 - 60	1269 - 1850	65 - 79
22"x22"	336 - 1344	26 - 67	1681 - 2353	75 - 89
24"x24"	400 - 1600	28 - 74	2000 - 2800	82 - 97
26"x26"	469 - 1878	31 - 80	2347 - 2817	89 - 98
30"x10"	250 - 900	25 - 55	1063 - 1550	60 - 72
30"x30"	625 - 1875	35 - 80	2500 - 3750	92 - 113

SEE BACK SUPPLEMENT FOR DESIGN INFORMATION

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Unless otherwise noted, throw value ranges provided are for a horizontal discharge air pattern at isothermal conditions and a terminal velocity of 50 FPM (0.25 m/s). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.