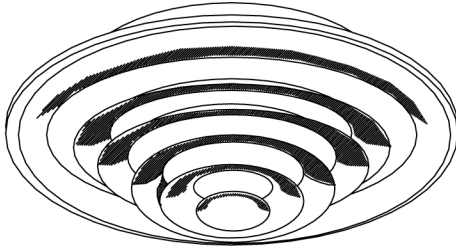




90 Series Step Down Round Diffuser



Standard:

- Ideal for residential and light commercial application
- All steel construction
- Attractive concentric rings deflect air stream 360°
- Soft White

Optional:

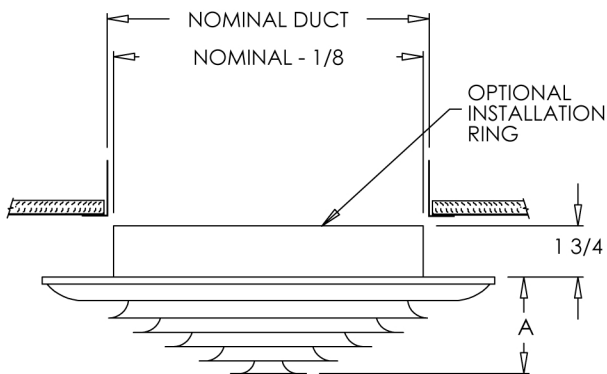
- ☐ Bowtie Damper (91)
- ☐ Installation Ring (92)
- ☐ Tamper Proof Screws:
 - ☐ "E" One Way
 - ☐ "F" Torx Center Pin
 - ☐ "G" Hex Center Pin

Finishes:

- ☐ Driftwood Tan

Designer Colors:

- ☐ Navajo White
- ☐ Coffee Tan
- ☐ Camaro Silver
- ☐ Bronze
- ☐ Almond
- ☐ Black Velvet
- ☐ Vanilla



90

Size	Dimension "A"
6	1-1/2
8	1-3/4
10	2-1/4
12	2-1/2
14	2-3/4

PROJECT

LOCATION

ENGINEER

ARCHITECT

CONTRACTOR

SUBMITTAL REVIEW



Quality Registers, Grilles and Diffusers Since 1947

Size Chart

90		
Size	Ctn Qty	Availability
6"	15	•
8"	10	•
10"	5	•
12"	4	•
14"	5	•

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Quality Registers, Grilles and Diffusers Since 1947

Engineering Data

90 Series																										
Size	Velocity		300			400			500			600			700			800			900			1000		
	Duct Pt		0.007			0.011			0.017			0.024			0.034			0.044			0.055			0.068		
6"	Eff.Area .141 ft²	CFM	45			56			67			82			98			107			124			138		
		NC	<20			20			25			25			30			30			30			35		
		Throw	2	2	2	2.5	2.5	3	2.5	3	3.5	3	3.5	4	3.5	4	4.5	4	4.5	5	4	5	6	5	6	7
8"	Eff.Area .222 ft²	CFM	71			92			118			134			165			184			204			232		
		NC	<20			20			25			25			30			30			30			35		
		Throw	2	2	2	2.5	3	3.5	3	3.5	4	4.5	5	6	4.5	5.5	6.5	5	6	7	5.5	7	8.5	6	7.5	9
10"	Eff.Area .348 ft²	CFM	107			143			179			214			245			281			316			352		
		NC	<20			20			25			30			30			30			35			35		
		Throw	2.5	2.5	3	3	3.5	4	4	4.5	5	4.5	5	6	5	6	7	6	7	8	6.5	8	9.5	7	8.5	10
12"	Eff.Area .508 ft²	CFM	153			204			250			306			357			408			459			510		
		NC	<20			20			25			30			30			35			35			35		
		Throw	2.5	3	3.5	3.5	4	4.5	4.5	5	5.5	5	6	7	6.5	7.5	8.5	7.5	8.5	9.5	7	9	11	9	11	13
14"	Eff.Area .628 ft²	CFM	194			255			321			383			449			510			576			638		
		NC	<20			20			25			30			30			35			35			40		
		Throw	3	3.5	4	4	4.5	5	5	5.5	6	5.5	6.5	7.5	7	8	9	7.5	9	11	8	10	12	9	11	13

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