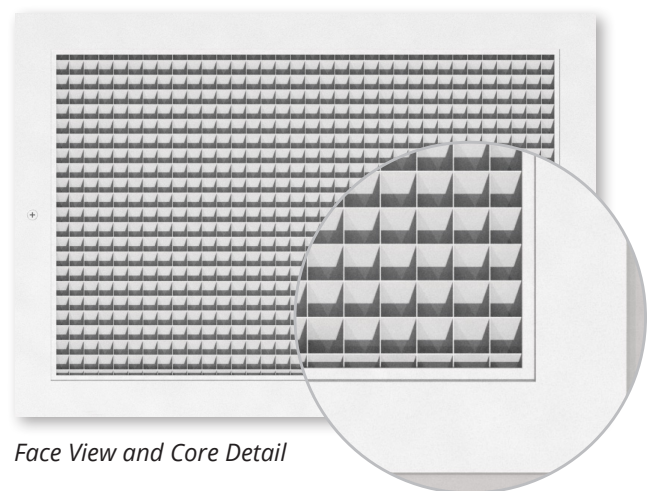
*Ceiling Install Face View*

### **AN ARCHITECTURAL ALTERNATIVE**

Krueger's EGC545 is a deterred sight (45° deflected 1/2"x1/2"x1/2" core) egg crate return grille. When installed with the deflection angled towards the area least likely to be occupied, like the closest adjacent wall or the ceiling, this product offers a limited sightline through to the plenum space. Features include a free area greater than or equal to that of other competitive 45° deflected return grilles, which results in comparable or superior sound performance.

*Face View and Core Detail*

**PRODUCT FEATURES**

- Deterred sightline when installed appropriately
- Reduced noise compared to other competing 45° deflected returns
- Cost effective aluminum construction
- Equal to existing industry specification
- Sizes: 10x10, 10x22, 22x22, and 22x46
- Frame Style: F22, Surface Mount, but sized to fit lay-in ceiling applications as well
- Optional Accessories:
  - Damper (OBD, POBD, 5OBD)
  - Plaster frame (58PF)
  - Debris or insect screen
- Finishes: Mill, Alumican, Black, and British White
- Weight: Less than 5lbs. for 22x22

**COMPETITIVE MODELS**

- Nailor – 51EC45
- Price – 85
- Titus – 45F

**MANUFACTURING LOCATIONS**

- EP2
- JRZ

**LEAD TIMES AND AVAILABILITY**

- Standard: 3 weeks
- Quickship 10-Day
- Quickship 5-Day (250 unit max)

**WEB SEARCH TERM**

- "EGC545"

**IP/METRIC PERFORMANCE DATA (NO DAMPER)**

IP Data					NC	Metric Data					Octave Band, dB					
Nom Duct	Duct Area	Neck Vel	Air Flow	Ps		Nom Duct	Duct Area	Neck Vel	Air Flow	Ps	2	3	4	5	6	7
in	ft <sup>2</sup>	FPM	CFM	"WG		mm	m <sup>2</sup>	m/s	L/s	Pa						
10" x 10"	0.69	250	149	.036	10	254 x 254	0.06	1.27	70	9.0	40	37	36	31	24	15
		475	282	.129	25			2.41	133	32.1	46	46	46	45	43	38
		700	416	.280	34			3.56	196	69.7	50	51	51	54	55	51
		1200	713	.489	41			6.10	337	121.8	55	59	59	66	71	70
		1400	832	.572	42			7.11	393	142.4	56	61	62	69	75	75
10" x 22"	1.53	250	341	.036	15	254 x 559	0.14	1.27	161	9.0	40	37	36	31	24	15
		400	546	.091	26			2.03	258	22.7	45	43	43	41	38	32
		550	751	.173	33			2.79	354	43.1	47	48	48	48	47	43
		700	956	.280	39			3.56	451	69.7	50	51	51	54	55	51
		1200	1638	.489	45			6.10	773	121.8	55	59	59	66	71	70
22" x 22"	3.36	175	549	.018	11	559 x 559	0.31	0.89	259	4.5	37	32	31	23	13	3
		325	1019	.060	25			1.65	481	14.9	43	41	40	37	32	25
		475	1490	.129	34			2.41	703	32.1	46	46	46	45	43	38
		625	1960	.223	41			3.18	925	55.5	49	50	50	51	51	47
		775	2430	.343	46			3.94	1147	85.4	51	53	53	56	58	55
22" x 46"	7.03	175	1169	.018	15	559 x 1168	0.65	0.89	552	4.5	37	32	31	23	13	3
		325	2170	.060	30			1.65	1024	14.9	43	41	40	37	32	25
		475	3172	.129	38			2.41	1497	32.1	46	46	46	45	43	38
		625	4173	.223	45			3.18	1970	55.5	49	50	50	51	51	47
		700	4674	.280	47			3.56	2206	69.7	50	51	51	54	55	51

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.