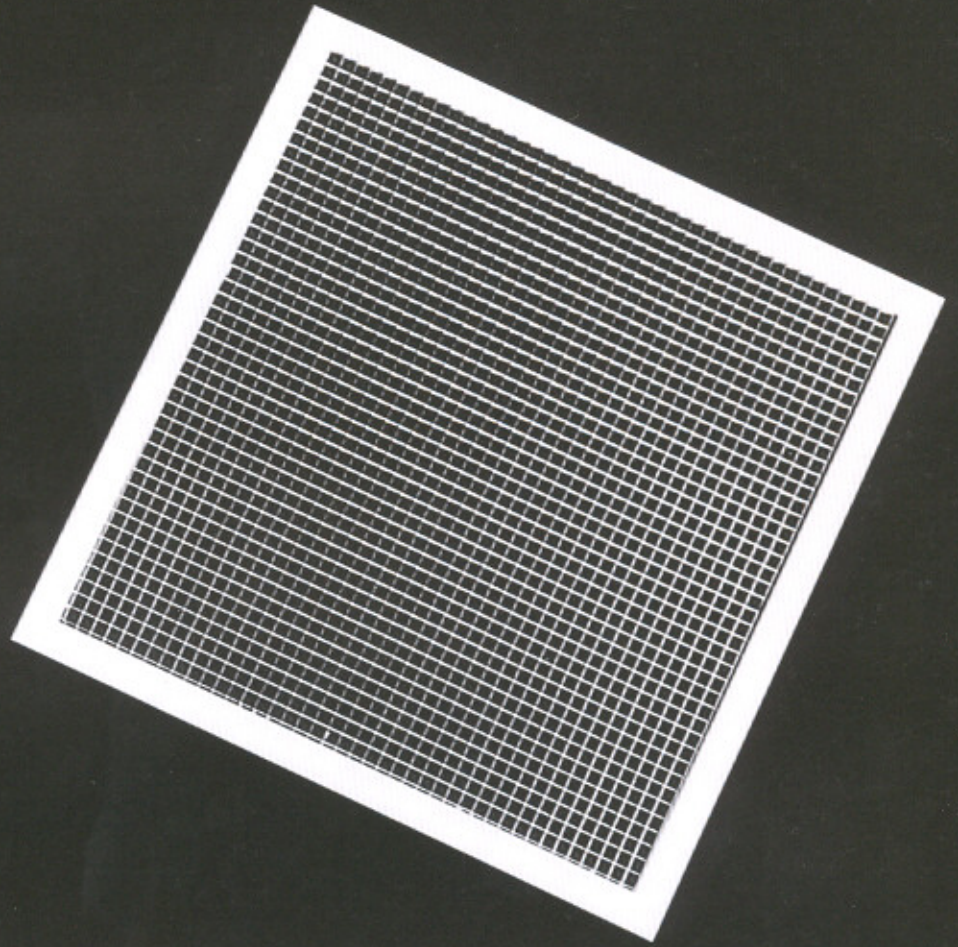


AIR GRILLES

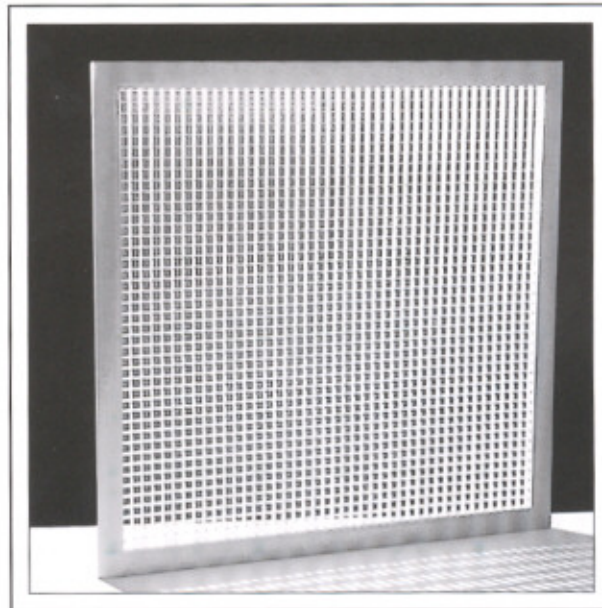
**RETURN
(EGG-CRATE) GRILLE**



EXTRUDED ALUMINIUM



EXTRUDED ALUMINIUM RETURN (EGG-CRATE) GRILLE



MODEL: ARE

Model ARE return egg-crate grilles are constructed from highly corrosion resistant extruded aluminium. Designed with welded butt joints and corner inserts, it will be able to withstand rough handling during installation. The grille is enamel coated and oven-baked for scratch resistant.

ARE egg-crate grille is a very popular choice for many relief, return or exhaust application, and it is designed to handle large volumes of air with low airflow resistant and low noise characteristics. Offering a free area of approximately 95%, egg-crate grille is the most popular and economical ceiling return air inlet.

- AIR GRILLES return egg-crate grille is suitable for mounting on virtually all types of ceiling.
- Mainly used for relief, return or exhaust air.
- Has a large free area of 95% and above.
- Available in "lift-up" core (aluminium or white PVC), with or without frame work.
- Optional opposed blade volume control damper can be easily adjusted from face of grille with the use of a screwdriver.
- Standard square grids of 12mm x 12mm x 12mm.
- Can be provided without frame for wall to wall or perimeter run.
- All grilles are enamel coated and oven baked for scratch resistant.
- Corners of frame are reinforced with corner inserts and argon welded to maintain hairline mitre-joints and ensure rigid handling.
- Units of grilles have been tested at an independent N.A.T.A. accredited test laboratory in Australia.

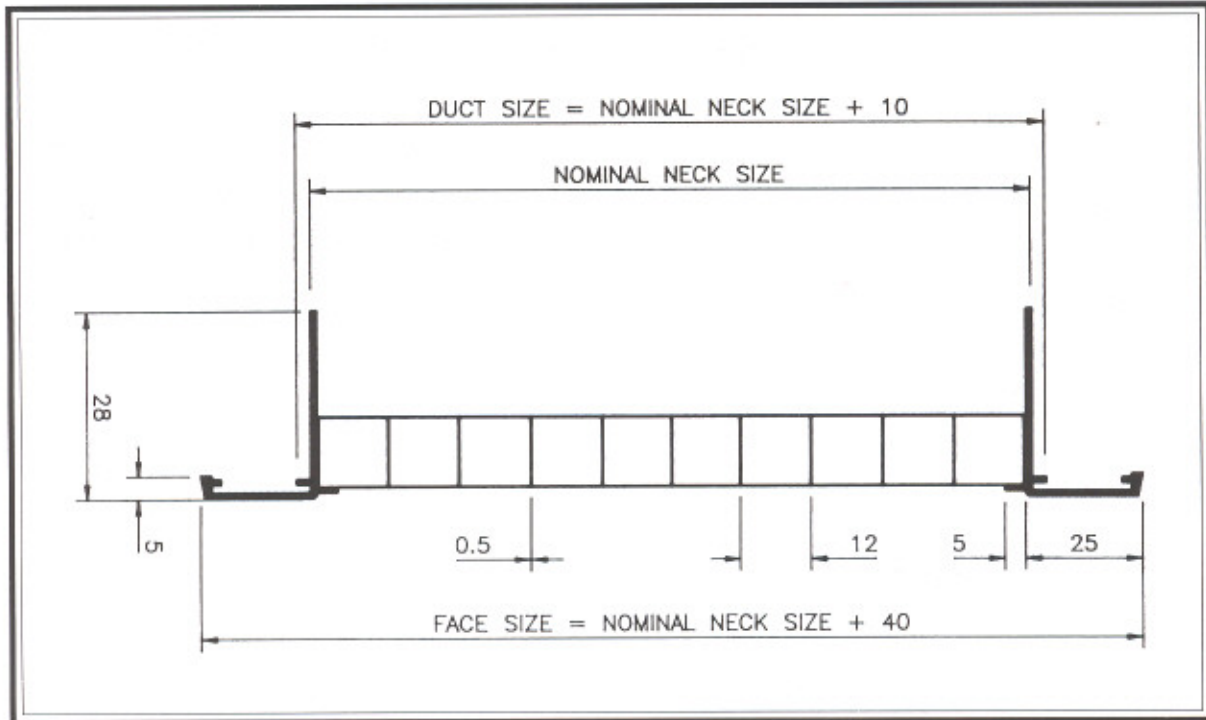
ACOUSTIC AND AIRFLOW PERFORMANCE DATA of EGG CRATE GRILLE

Model ARE

SIZE in (mm)	Area (m ²)	Qs (ℓ/s)	100	150	200	250	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	5000	
300 x 300	0.09	SP	3	7.5	11	12.5	20	42.5												
		NR	-	-	10	17	22	31												
450 x 300	0.135	SP		2.5	4	5	7.5	12	15	22.5	27.5	35	42.5	55						
		NR		-	-	4	9	17	25	30	35	38	42	45						
600 x 300	0.18	SP				2.5	2.5	7.5	10	12.5	15	20	25	32.5	40					
		NR				-	5	13	20	26	30	35	37	41	53					
900 x 300	0.27	SP						2.5	5	6	7.5	10	12	12.5	15	42.5				
		NR						4	10	16	20	24	27	31	43	51				
600 x 600	0.36	SP							3	5	6	7.5	10	10	12.5	25	42.5			
		NR							6	11	16	19	22	26	37	46	53			
900 x 600	0.54	SP							2.5	2.5	2.5	2.5	5	6	7.5	15	25	27.5		
		NR							-	-	4	7	11	15	26	35	41	46		
1200 x 600	0.72	SP										2.5	3	4	4.5	12.5	20	22.5		
		NR										-	4	7	20	27	35	40		
900 x 900	0.81	SP										2.5	2.5	2.5	5	10	15	17.5	47.5	
		NR										-	-	5	17	25	32	37	46	

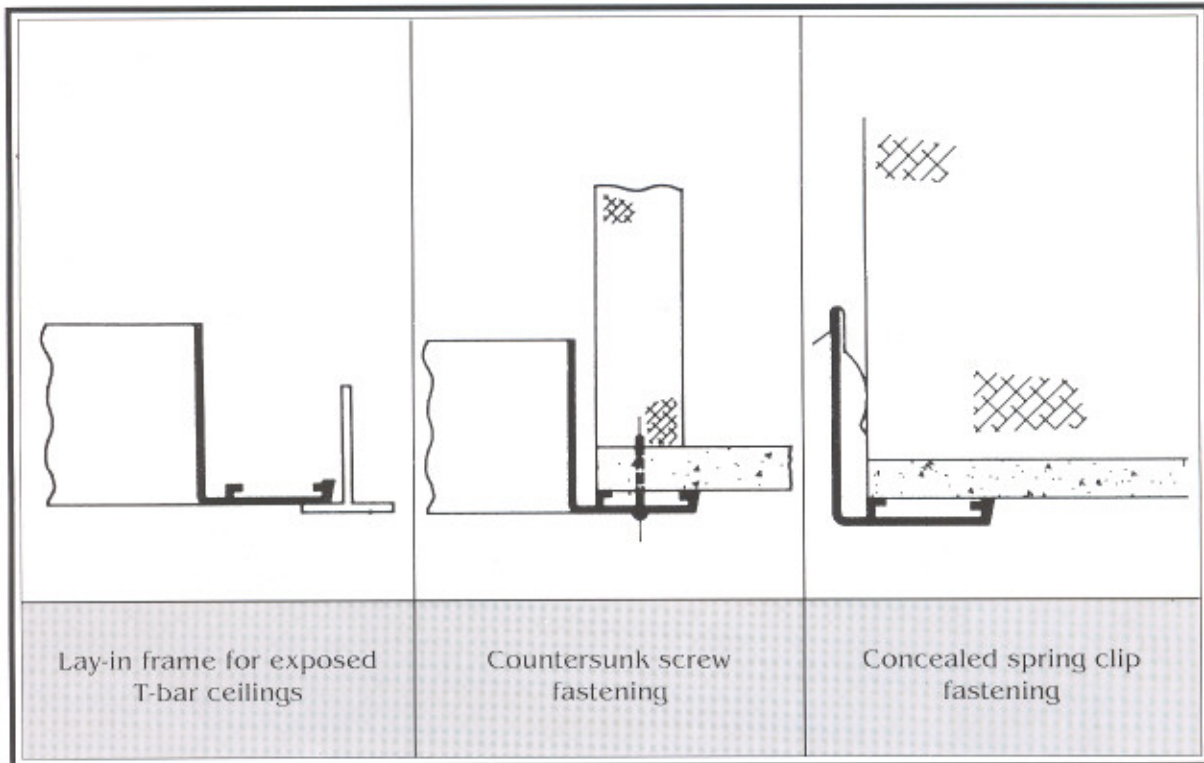
- * SP - Static Pressure (Pa)
- * NR - Noise rating number based upon room absorption of 10dB
- * Qs - Primary Air Flow Rate (ℓ/s)

**MODEL ARE
DIMENSIONS**



ALL DIMENSIONS IN MILLIMETERS (mm)

MOUNTING DETAILS



AIR GRILLES MANUFACTURING PTE LTD

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