

DOOR GRILLE

DG

PRODUCT SPECIFICATIONS AND INFORMATION

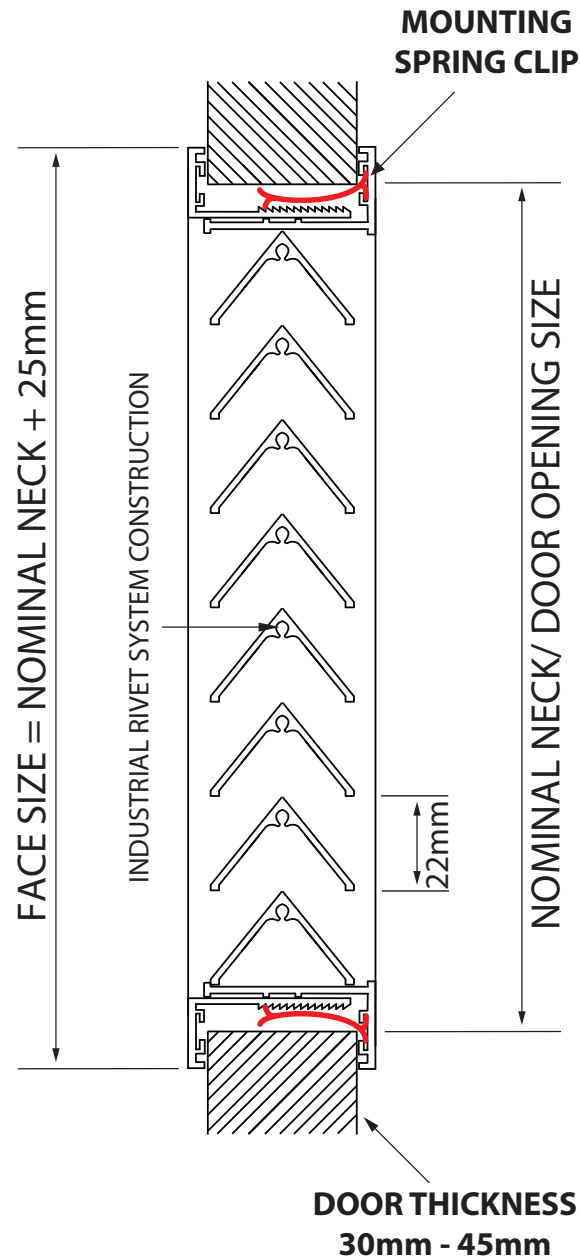
- **Product ordering code – DG**
- Product ordered nominal neck size minus 10mm for door opening size
- Australian Made
- Aluminium Natural Anodised Construction
- 25mm frame
- 22mm spaced center “V” type blades
- 50% free area
- User friendly adjustable telescopic back frame
- Suitable for 30mm to 45mm door thickness
- Easy installation via spring clips
- Available in multiple stock sizes for immediate delivery
- Can be manufactured to any size upon request
- Comes standard in our Natural Anodised silver finish
- Special powder-coating colours available upon request
- Suitable for any commercial or domestic application
- Airfoil tested information available
- **The following metric performance data has been derived from exhaustive testing in elaborate laboratories of acoustic and vibrational engineers Louis A. Challis and Associates Proprietary Limited. Darling Street, Sydney 2000**



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CROSS SECTIONAL DIAGRAM



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DOOR GRILLE - STOCKED SIZES / ORDERING CODES

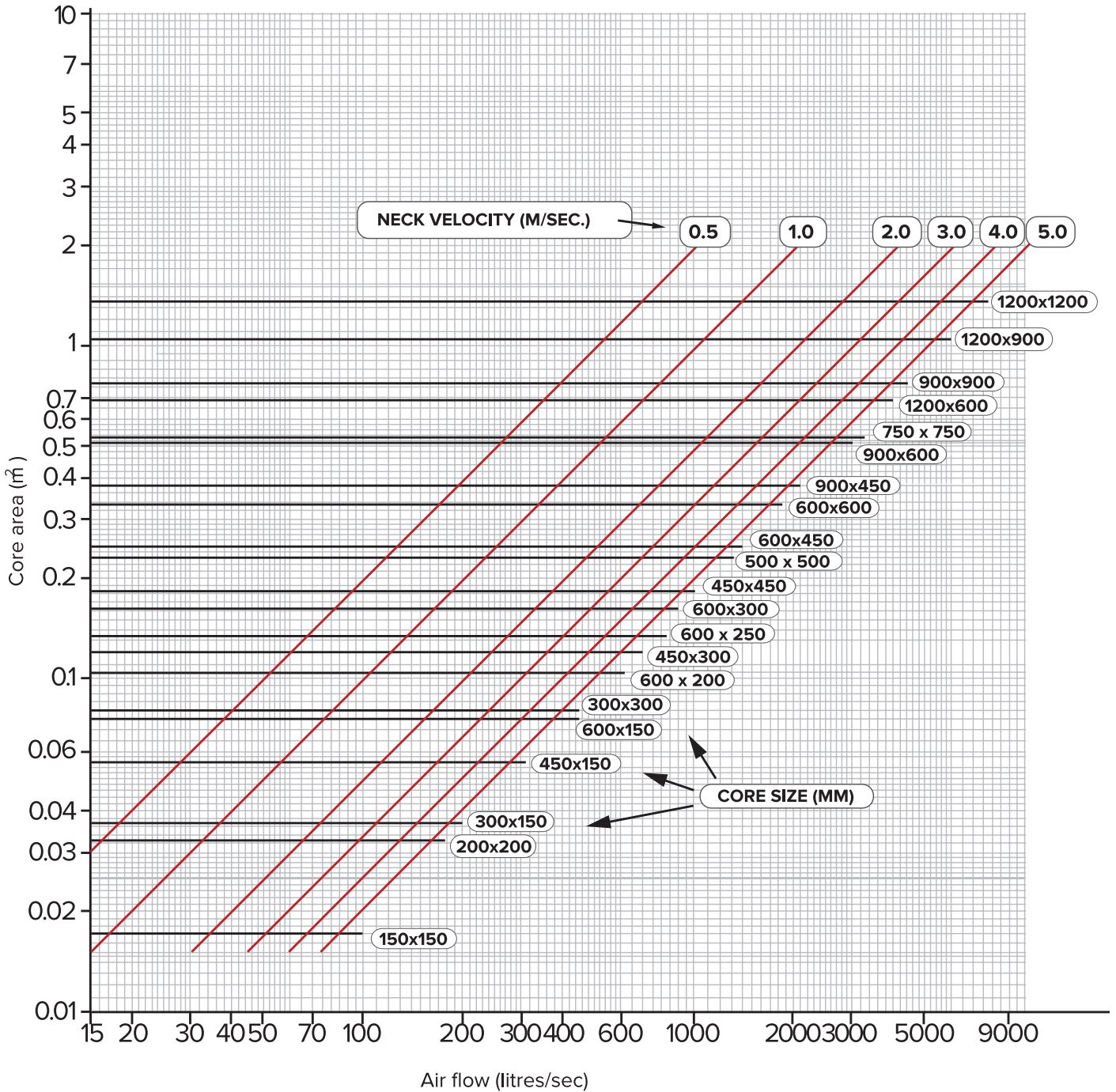
Product Code	Nominal Neck (mm)	Exact Neck (mm)	Face Size (mm)
DG-300x150	300 x 150	290 x 140	325 x 175
DG-450x150	450 x 150	440 x 140	475 x 175
DG-600x100	600 x 100	590 x 90	625 x 125
DG-600x150	600 x 150	590 x 140	625 x 175
DG-300x200	300 x 200	290 x 190	325 x 225
DG-400x200	400 x 200	390 x 190	425 x 225
DG-600x200	600 x 200	590 x 190	625 x 225
DG-600x250	600 x 250	590 x 240	625 x 275
DG-300x300	300 x 300	290 x 290	325 x 325
DG-500x300	500 x 300	490 x 290	525 x 325
DG-600x300	600 x 300	590 x 290	625 x 325
DG-600x400	600 x 400	590 x 390	625 x 425
DG-450x450	450 x 450	440 x 440	475 x 475
DG-600x450	600 x 450	590 x 440	625 x 475
DG-600x600	600 x 600	590 x 590	625 x 625

[illegible]

DOOR GRILLE DG

PERFORMANCE DATA

STATIC PRESSURE VS AIRFLOW FOR VARIOUS CORE SIZES



DOOR GRILLE

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PERFORMANCE DATA

VARIOUS NECK VELOCITIES GIVEN AIRFLOW V NECK AREA

Typical Sizes	300 x 150	450 x 150	600 x 150	600 x 200	450 x 300	600 x 250	600 x 300
Neck Area M ² L/S	0.045	0.068	0.090	0.120	0.135	0.150	0.180
30	0.75	0.5					
50	1.5		0.6	0.5			
75	2.25	1.5	1.0		0.6	0.5	
100	2.75	2.0	1.5	1.0			0.6
150	4.0	2.75	2.0	1.5	1.25	1.1	0.9
200	5.5	3.75	2.75	2.0	1.75	1.5	1.25
250		4.5	3.0	2.75	2.0	1.75	1.5
300		5.5	4.0	3.5	2.5	2.25	1.9
400			5.0	4.0	3.5	3.0	2.5
500				5.0	4.0	3.75	3.0
600					5.0	4.75	3.75
750							5.0
1000							
1500							
2000							
3000							
4000							

Typical Sizes	450 x 450	600 x 450	600 x 600	900 x 600	1200 x 600	900 x 900	1200 x 900	1200 x 1200
Neck Area M ² L/S	0.203	0.270	0.360	0.540	0.720	0.810	1.080	1.440
30								
50								
75								
100	0.5							
150								
200	1.1	0.5						
250	1.4	1.0	0.75	0.5				
300	1.75	1.25			0.5			
400	2.25	1.75	1.25			0.5		
500	2.75	2.0	1.5	1.0			0.5	
600	3.25	2.5	1.75		0.75			0.5
750	4.5	3.0	2.5	1.5				
1000		4.0	3.0	2.0	1.5	1.0	1.0	
1500			4.5	3.0	2.25	2.0	1.5	1.0
2000				4.0	3.0	3.5	2.0	
3000				6.0	4.5	4.0	3.0	2.0
4000					6.0	5.0	4.0	3.0

NECK VELOCITY – METRES PER SECOND