



**Description** The standard flange of LinkedAir Linear Bar grille is 25mm, others are available on request with the Architect's demands. The blades are fixed and can be chosen from 0° deflection, 15° deflection and 30° deflection. The linear bar grilles can be manufactured up to 3 meters in length as a single piece, multiple pieces can be produced with joining strips provided to create continuous grilles with lengths in excess of 3 meters. Free area approximately 77% (12mm spacing standard).

Architecturally aesthetical grilles design available such as reverse flange, Flangeless type etc.

**Construction** Extruded Aluminium

**Application** Supply Air / Return Air / Exhaust Air for sidewall, bulkhead or ceiling

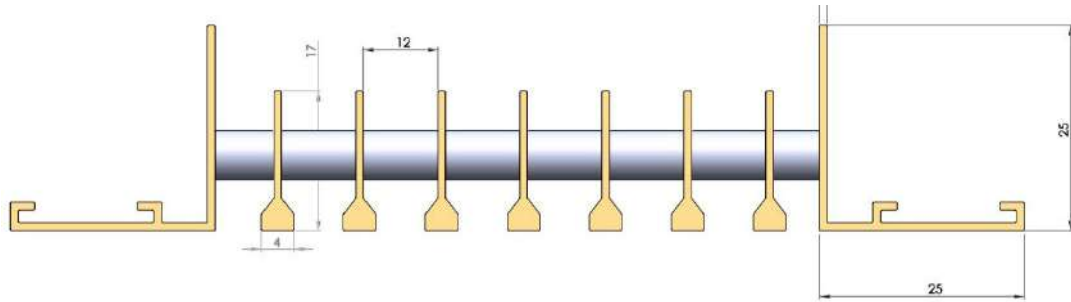
**Size** Flange Size: 25mm

**Finish** White (Powdercoated)

**Options**

Design	Deflection	Flange	Colour	Spacing
Removable Core			Natural	Custom
Hinged Type	0°	14mm	Anodised	
Reverse Flange	15°	18mm	/	
Flangeless	30°	30mm	Dulux Range	
Core Only				

**Accessories** Opposite Blade Damper  
Filter  
Deflection Blade  
Plenum with Side or Top Entry  
Blanking Plate



Neck Size (mm)	AIR FLOW RATE (l/s)	Total Pressure (Pa)	NECK AIR VELOCITY (m/s)	MIN MAX THROW (M)	NR LEVEL
1000 x 40	40	2	1.25	0.9 - 1.8	-
	50	3	1.5	1.5 - 3.0	-
	60	6	2	2.3 - 4.1	-
	75	9	2.5	2.7 - 5.0	18
	90	12	3	3.0 - 5.8	22
	110	16	3.5	3.8 - 6.7	26
	125	19	4	4.3 - 7.5	28
1000 x 90	90	2	1.15	1.8 - 3.4	-
	110	2	1.35	2.4 - 4.3	-
	125	3	1.5	2.7 - 5.0	-
	140	5	1.75	2.7 - 5.4	-
	160	6	1.9	3.3 - 6.0	15
	190	8	2.4	4.0 - 6.4	19
	230	12	3	5.3 - 8.5	24
	270	15	3.35	6.0 - 9.0	26
	310	17	3.8	7.3 - 10.6	29
1000 x 140	190	8	1.5	3.0 - 5.0	-
	230	12	1.8	4.3 - 6.4	15
	270	15	2	4.3 - 6.0	16
	310	17	2.35	4.7 - 7.0	20
	350	19	2.65	3.7 - 6.8	22
	390	20	2.95	5.0 - 8.0	26
	430	22	3.05	7.3 - 10.4	28
	470	23	3.35	8.0 - 11.0	30
1000 x 190	270	3	1.5	4.3 - 6.0	-
	310	4	1.7	4.7 - 7.0	15
	350	6	1.9	5.0 - 8.0	17
	390	6	2.1	6.0 - 9.0	18
	430	8	2.35	6.8 - 9.7	21
	470	9	2.5	7.3 - 10.3	24
	540	12	3	8.3 - 12.0	27
1000 x 240	350	3	1.5	3.7 - 6.8	-
	390	4	1.65	5.0 - 8.0	15
	430	5	1.85	5.5 - 8.6	17
	470	6	2	6.0 - 9.3	19
	540	8	2.3	7.5 - 11.0	22
1000 x 290	430	3	1.5	5.0 - 7.7	14
	470	4	1.65	5.4 - 8.2	16
	540	5	1.9	6.0 - 10.0	19

Correction Factors by Deflection Blade		
<i>Deflection</i>	<i>15°</i>	<i>30°</i>
Pressure Factor	1.2	1.5
Throw Factor	0.85	0.75
NR Addition	+2	+4

Correction Factors by Differential Temperature		
<i>Differential Temperature</i>	<i>-10 °C</i>	<i>10 °C</i>
Throw Factor	1.15	0.6

Correction Factors by Grille Length		
<i>Grille Length</i>	<i>Throw Factor</i>	<i>NR Addition</i>
1.0 - 1.5	1	+0
1.5 - 2.5	1.1	+2
2.5+	1.15	+5

Exhaust Applications	
Pressure Factor	1.3
NR Addition	+5

**Notes:**

- All performance data is based on isothermal conditions
- **THROWS** Maximum and minimum throws are based on jet terminal velocities of 0.25m/s and 0.75m/s correspondingly at a room height of 2.7m, positioned 250mm from a ceiling
- **NOISE LEVEL** Noise data is based on a room absorption of 8db