

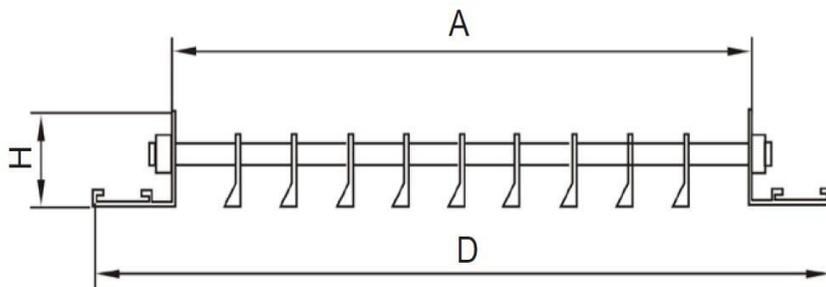


## Linear Bar Grille (BGF15)

Cooltech Industries Linear Bar Grille (BGF) is a sleek, and modern looking linear bar type diffuser manufactured from high grade aluminium extrusion. The Bar Grille model BGF consists of an external flange of either 12mm or 25mm and extruded aluminium blades that can be supplied with either a 15 or 0 degree pitch. This particular type of grille is ideal for situations whereby clean modern line are required to be coupled with a horizontal throw applications. This particular diffuser when reinforced can be supplied as a walk on floor grille also.

Cooltech In Linear bar grilles aklsso has the optyion of being manufactured with a set of adjustable rear deflection blades for increased air control upon request

Standard finish is white powdercoat however other powdercoat colours and natural anodised finish is available upon request.



### BGF15 Supply Application Data

Nominal Neck Size	Rating	Total Pressure Drop Pa	5	10	20	30	45	60	80
300 x 150	L/S		70	100	130	160	190	220	250
	NR dB		---	<22	23	25	30	35	39
	Min - Max	Sidewall	2.5 - 3.4	3.4 - 4.9	4.6 - 6.7	5.8 - 8.2	7.0 - 10.1	7.9 - 11.9	9.7 - 13.8
	Throw Metres	Floor	1.9 - 3.0	3.0 - 4.1	3.8 - 5.2	4.6 - 6.7	5.4 - 7.8	6.4 - 9.5	7.8 - 11.1
600 x 150	L/S		110	170	230	290	350	410	470
	NR dB		---	<22	24	28	33	37	41
	Min - Max	Sidewall	2.9 - 4.1	4.3 - 6.2	5.8 - 8.2	7.4 - 10.8	8.9 - 12.7	10.8 - 15.0	12.0 - 17.1
	Throw Metres	Floor	2.3 - 3.2	3.5 - 5.0	4.6 - 6.4	5.4 - 7.9	6.7 - 9.8	7.9 - 11.7	9.5 - 13.4
900 x 150	L/S		180	270	360	450	540	630	720
	NR dB		<22	22	26	31	36	39	42
	Min - Max	Sidewall	3.5 - 4.8	4.6 - 6.7	6.5 - 9.6	7.9 - 11.4	9.8 - 13.9	11.5 - 16.5	12.7 - 18.8
	Throw Metres	Floor	2.5 - 3.5	4.1 - 5.5	5.2 - 7.6	6.5 - 9.5	7.9 - 11.5	9.2 - 13.1	10.8 - 14.9
1200 x 150	L/S		250	370	490	610	730	850	970
	NR dB		<22	22	26	31	36	40	43
	Min - Max	Sidewall	3.5 - 5.0	5.4 - 7.8	7.8 - 10.5	9.2 - 12.9	10.8 - 15.7	12.7 - 18.3	14.9 - 21.2
	Throw Metres	Floor	2.9 - 4.1	4.3 - 6.1	5.5 - 7.8	7.1 - 10.5	8.2 - 12.3	10.4 - 15.4	11.6 - 16.9
1500 x 150	L/S		320	470	620	770	920	1070	1220
	NR dB		<22	23	27	32	38	41	45
	Min - Max	Sidewall	4.1 - 5.5	5.8 - 8.3	7.9 - 11.4	10.3 - 14.3	12.1 - 17.2	13.6 - 20.1	16.3 - 23.7
	Throw Metres	Floor	3.2 - 4.3	4.6 - 6.5	6.2 - 8.9	7.8 - 11.2	9.6 - 13.3	10.8 - 15.6	12.7 - 17.8
1800 x 150	L/S		340	530	720	910	1100	1290	1480
	NR dB		<22	24	28	34	38	42	45
	Min - Max	Sidewall	4.1 - 5.8	6.5 - 9.2	7.8 - 12.0	11.1 - 12.0	12.4 - 18.4	15.4 - 21.9	17.1 - 25.2
	Throw Metres	Floor	3.5 - 4.6	4.6 - 6.8	6.6 - 9.5	6.6 - 9.5	10.3 - 14.5	11.4 - 16.9	13.3 - 19.1

Throw - Minimum Terminal Velocity 0.75 m/s  
Maximum Terminal Velocity 0.25 m/s