

EBLS Hidden grilles with removable central core and retractable frame.



Description

Linear grilles with horizontal aluminium fixed bars with 0° or 15° deflection. Retractable frame.

Characteristics

Material: aluminium.
Finish: anodized.
Frame: natural aluminium.
Installation: fixing with screws

Use

Grilles used in air conditioning and ventilation systems for both supply and return.

They can be installed on the ceiling and on the wall.

Models

EBLS 20/0°: with retractable frame, fixed front pull-out bars with 0° deflection;

EBLS 21/0°: with retractable frame, fixed front pull-out bars with 0° deflection and pivoting rear flaps;

EBLS 20/15°: with retractable frame, fixed front pull-out bars with 15° deflection;

EBLS 21/15°: with retractable frame, fixed front pull-out bars with 15° deflection and pivoting rear flaps.

Accessories

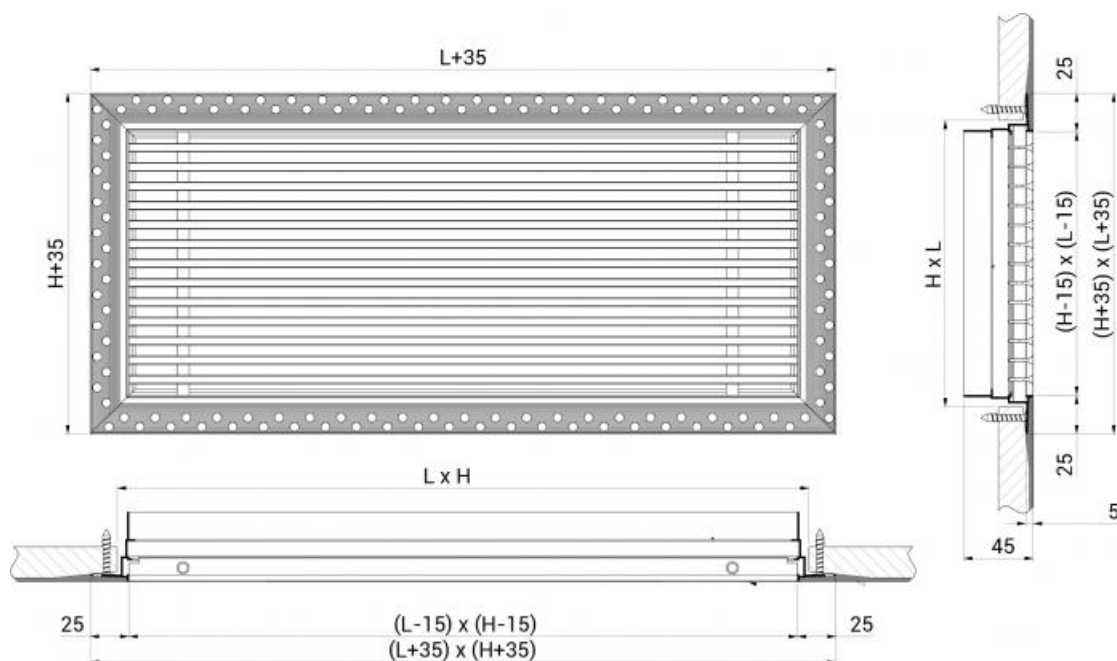
- EPZ plenum galvanized;
- EPI plenum isolated;
- SC calibration damper in galvanized steel with fins with opposing movement;
- Continuity kit;
- Air intake filter EFEBLs.

On demand

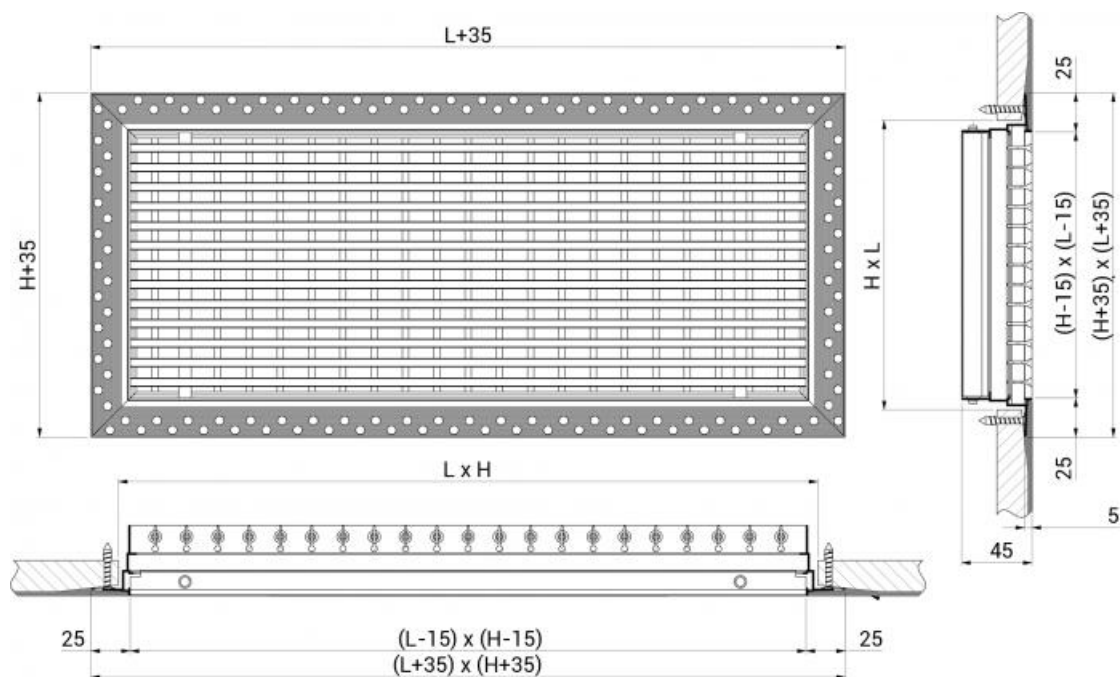
Paint colour RAL9016 or other colours of your choice.

DimensionS EBLs 20/0°

All dimensions are expressed in mm.



Dimensions EBLs 21/0°



Operating data

Vk: effective speed (m/s)

m³/h: air flow

Pa: pressure drop in Pascal

L1 (m): data referring to a terminal throw velocity $V_t = 0.25$ m/s and with a temperature differential of 10/12°C in ceiling installation (not higher than 3 m); for longer distances, it needs to correct the throw multiplying it by 0,7.

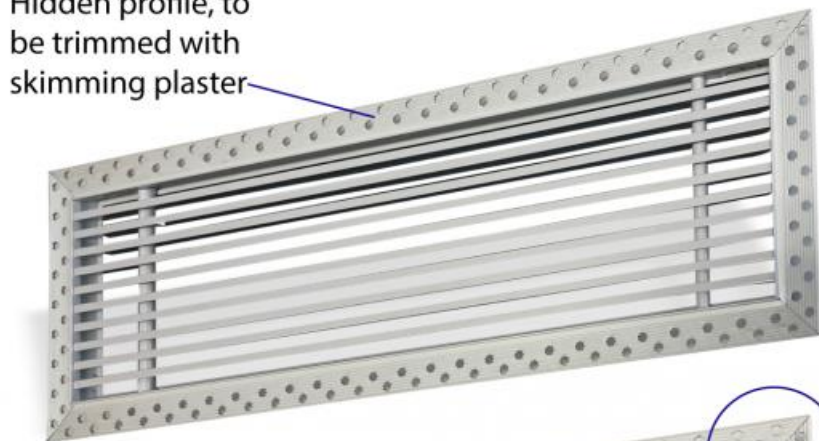
dB(A): noise level

Dimensions are expressed in mm.

dimension LxH	effective section	Vk 3 m/s		Vk 4 m/s		Vk 5 m/s	
	m ²	m ³ /h	L1	m ³ /h	L1	m ³ /h	L1
400x75	0,015	160	2,8	213	3,8	266	4,7
500x75	0,019	201	3	268	3,9	335	4,9
600x75	0,022	243	3,1	323	4,1	404	5,1
800x75	0,030	326	3,3	434	4,3	543	5,4
1000x75	0,038	408	3,4	545	4,5	681	5,7
400x100	0,020	216	2,9	292	3,8	365	4,8
500x100	0,026	276	3	367	4	459	5
600x100	0,031	332	3,1	443	4,2	554	5,2
800x100	0,041	446	3,3	595	4,4	743	5,5
1000x100	0,052	560	3,5	746	4,6	933	5,8
400x125	0,026	278	2,9	370	3,9	463	4,9
500x125	0,032	350	3,1	467	4,1	583	5,1
600x125	0,039	422	3,2	563	4,2	703	5,3
800x125	0,052	566	3,4	755	4,5	944	5,6
1000x125	0,066	711	3,5	947	4,7	1184	5,9
400x150	0,031	337	3	449	4	561	5
500x150	0,039	424	3,1	566	4,2	707	5,2
600x150	0,047	512	3,3	682	4,3	853	5,4
800x150	0,064	687	3,4	916	4,6	1145	5,7
1000x150	0,080	862	3,6	1149	4,8	1436	6
400x200	0,042	455	3,1	607	4,2	758	5,2
500x200	0,053	573	3,3	764	4,4	955	5,4
600x200	0,064	691	3,4	922	4,5	1152	5,6
800x200	0,086	927	3,6	1237	4,8	1546	6
1000x200	0,108	1164	3,8	1552	5	1940	6,3
Pa		5		10		15	
dB(A)		25 / 32		33 / 39		38 / 44	

Construction details

Hidden profile, to be trimmed with skimming plaster



Perforated frame for a greater adherence of plaster for skimming



Possibility of extracting fixed bars for better service

EFEBLS Filter

EFEBLS air intake filter



6 mm thick rigid polyurethane air intake filter without frame.

Physical properties	Measure	Standard	Result
Porosity	ppi - pores per inch		15-25
Density	kg/m ³	ISO 845	55
Compression resistance	kPa at 25% compression (20°C)	ASTM D1564 70	
Ultimate elongation	%	ISO 1798	35
Tensile strength	kPa	ISO 1798	200
Tear strength	Nm/cm	ASTM D1564 15	
Flame behaviour			NFR

Note:
The material is None Flame Retardant.

SC calibration damper

SC galvanized steel calibration damper with fins with opposing movement.

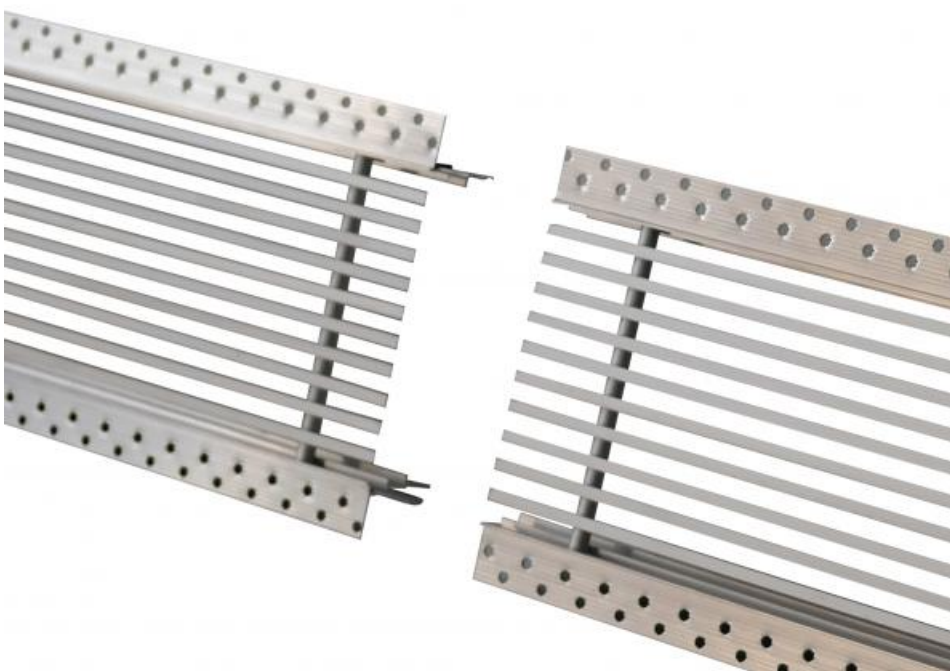


Continuity kit

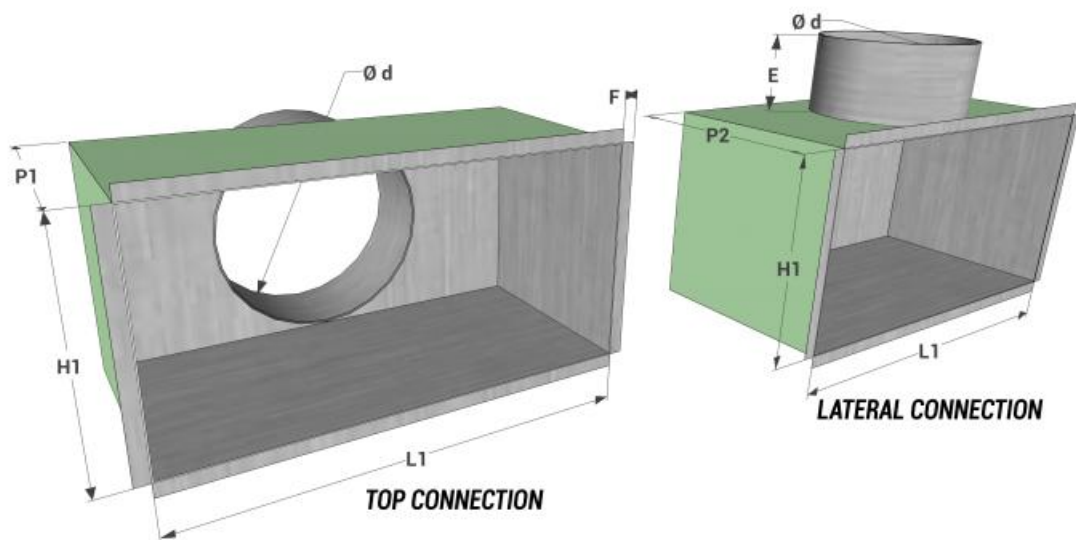
The continuity kit is a necessary accessory to create continuous lines of linear nozzles longer than one meter. It consists of two junction plates that allow the alignment and connection of two components of the line.

NOTE: The continuity kit means that the nozzle pack is not removable but fixed.

```
phpThumb() v1.7.14-201507071049
http://phpthumb.sourceforge.net
Error messages disabled.
edit phpThumb.config.php and (temporarily) set
$PHPThumb_CONFIG['disable_debug'] = false;
to view the details of this error
```



Plenum



All dimensions are expressed in mm.

model L1 x H1	upper air connection			side air connection			E	F	model L1 x H1	upper air connection			P2	side air connection			E	F
	P1	n° connection	Ø d	P2	n° connection	Ø d				P1	n° connection	Ø d		P2	n° connection	Ø d		
400x75	-	-	-	150	2	98	80	12	800x125	200	2	123	230	2	123	80	12	
500x75	-	-	-	150	2	98	80	12	1000x125	200	3	123	230	3	123	80	12	
600x75	-	-	-	150	2	98	80	12	400x150	200	1	148	250	1	148	80	12	
800x75	-	-	-	150	2	98	80	12	500x150	200	2	148	250	2	148	80	12	
1000x75	-	-	-	150	2	98	80	12	600x150	200	2	148	250	2	148	80	12	
400x100	200	2	98	200	2	98	80	12	800x150	200	2	148	250	2	148	80	12	
500x100	200	2	98	200	2	98	80	12	1000x150	200	3	148	250	3	148	80	12	
600x100	200	2	98	200	2	98	80	12	400x200	200	1	198	300	1	198	80	12	
800x100	200	2	98	200	2	98	80	12	500x200	200	1	198	300	1	198	80	12	
1000x100	200	3	98	200	3	98	80	12	600x200	200	2	198	300	2	198	80	12	
400x125	200	1	123	230	1	123	80	12	800x200	200	2	198	300	2	198	80	12	
500x125	200	2	123	230	2	123	80	12	1000x200	200	2	198	300	2	198	80	12	
600x125	200	2	123	230	2	123	80	12										

Price list

Note: painted white RAL9016 + 20%.

dimensioni	EBLS20/0°	EBLS20/15°	EBLS21/0°	EBLS21/15°
LxH	euro	euro	euro	euro
400x75	60,96 ∨	60,96 ∨	82,04 ∨	82,04 ∨
500x75	75,25 ∨	75,25 ∨	98,86 ∨	98,86 ∨
600x75	82,00 ∨	81,32 ∨	107,50 ∨	107,50 ∨
800x75	95,54 ∨	95,54 ∨	128,39 ∨	128,39 ∨
1000x75	111,86 ∨	111,86 ∨	163,79 ∨	163,79 ∨
400x100	75,25 ∨	75,25 ∨	98,86 ∨	98,86 ∨
500x100	87,46 ∨	87,46 ∨	121,57 ∨	121,57 ∨
600x100	93,57 ∨	93,57 ∨	125,00 ∨	125,00 ∨
800x100	107,79 ∨	107,79 ∨	150,64 ∨	150,64 ∨
1000x100	128,18 ∨	128,18 ∨	191,75 ∨	191,75 ∨
400x125	83,36 ∨	83,36 ∨	104,39 ∨	104,39 ∨
500x125	93,57 ∨	93,57 ∨	127,64 ∨	127,64 ∨
600x125	107,79 ∨	107,79 ∨	144,50 ∨	144,50 ∨
800x125	117,93 ∨	117,93 ∨	173,21 ∨	173,21 ∨
1000x125	150,46 ∨	150,46 ∨	218,07 ∨	218,07 ∨
400x150	93,57 ∨	93,57 ∨	135,50 ∨	135,50 ∨
500x150	97,57 ∨	97,57 ∨	163,18 ∨	163,18 ∨
600x150	117,93 ∨	117,93 ∨	170,39 ∨	170,39 ∨
800x150	154,54 ∨	154,54 ∨	191,21 ∨	191,21 ∨
1000x150	176,96 ∨	176,96 ∨	243,39 ∨	243,39 ∨
400x200	128,18 ∨	128,18 ∨	170,07 ∨	170,07 ∨
500x200	150,46 ∨	150,46 ∨	195,04 ∨	195,04 ∨
600x200	160,68 ∨	160,68 ∨	210,43 ∨	210,43 ∨
800x200	193,18 ∨	193,18 ∨	256,14 ∨	256,14 ∨
1000x200	235,93 ∨	235,93 ∨	298,93 ∨	298,93 ∨

Continuity kit

Kit for continuous line	euro
continuity kit	2,23 ∨

Accessories

All dimensions are expressed in mm.

Item normally available from stock

model L1 x H1	upper air connection		side air connection		damper SC	EFEELS Filters for EBIS 20
	EPZ galvanized plenum	EPI isolated plenum	EPZ galvanized plenum	EPI isolated plenum		
L1xH1	euro	euro	euro	euro	euro	euro
400x75	-	-	43,12 ∨	56,91 ∨	17,21 ∨	12,36 ∨
500x75	-	-	45,61 ∨	60,26 ∨	20,54 ∨	15,25 ∨
600x75	-	-	48,11 ∨	63,60 ∨	23,50 ∨	18,04 ∨
800x75	-	-	53,11 ∨	70,32 ∨	29,54 ∨	23,46 ∨
1000x75	-	-	61,10 ∨	85,81 ∨	36,25 ∨	29,14 ∨
400x100	43,12 ∨	56,91 ∨	43,12 ∨	56,91 ∨	17,21 ∨	14,54 ∨
500x100	45,61 ∨	60,26 ∨	45,61 ∨	60,26 ∨	20,54 ∨	17,54 ∨
600x100	48,11 ∨	63,60 ∨	48,11 ∨	63,60 ∨	23,50 ∨	20,71 ∨
800x100	53,11 ∨	70,32 ∨	53,11 ∨	70,32 ∨	29,54 ∨	27,14 ∨
1000x100	50,00 ∨	68,60 ∨	66,40 ∨	91,00 ∨	36,25 ∨	33,25 ∨
400x125	36,32 ∨	50,07 ∨	37,74 ∨	51,99 ∨	19,86 ∨	16,36 ∨
500x125	47,00 ∨	61,99 ∨	48,69 ∨	64,29 ∨	23,00 ∨	20,00 ∨
600x125	49,57 ∨	65,48 ∨	51,53 ∨	68,10 ∨	26,21 ∨	23,46 ∨
800x125	54,80 ∨	72,51 ∨	57,30 ∨	75,82 ∨	33,57 ∨	30,54 ∨
1000x125	80,78 ∨	90,04 ∨	68,48 ∨	108,41 ∨	40,46 ∨	37,64 ∨
400x150	37,58 ∨	51,76 ∨	40,04 ∨	55,07 ∨	19,86 ∨	18,29 ∨
500x150	40,31 ∨	63,75 ∨	51,30 ∨	67,67 ∨	23,00 ∨	22,29 ∨
600x150	51,07 ∨	67,37 ∨	54,45 ∨	71,90 ∨	26,21 ∨	26,21 ∨
800x150	67,29 ∨	85,85 ∨	71,52 ∨	91,58 ∨	33,57 ∨	34,18 ∨
1000x150	80,78 ∨	101,57 ∨	85,93 ∨	108,41 ∨	40,46 ∨	42,04 ∨
400x200	40,12 ∨	54,95 ∨	45,50 ∨	62,18 ∨	24,57 ∨	22,29 ∨
500x200	43,04 ∨	58,91 ∨	49,34 ∨	67,29 ∨	28,86 ∨	26,96 ∨
600x200	59,99 ∨	78,09 ∨	71,98 ∨	92,00 ∨	33,25 ∨	31,71 ∨
800x200	70,71 ∨	90,27 ∨	79,62 ∨	102,30 ∨	40,75 ∨	41,14 ∨
1000x200	76,59 ∨	98,19 ∨	76,59 ∨	112,52 ∨	45,48 ∨	50,61 ∨