

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

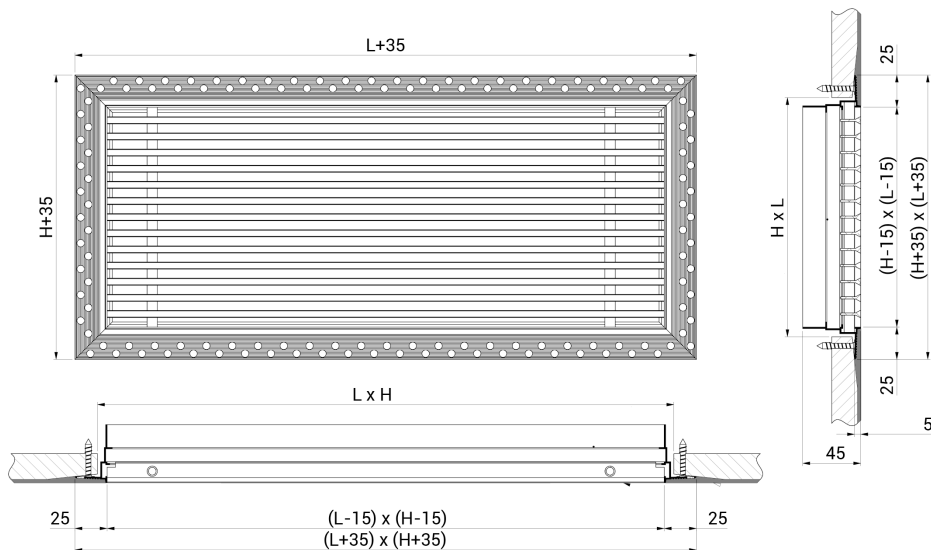
- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- K-CON - Continuity kit;
- Air intake filter EFEBLS.

On demand

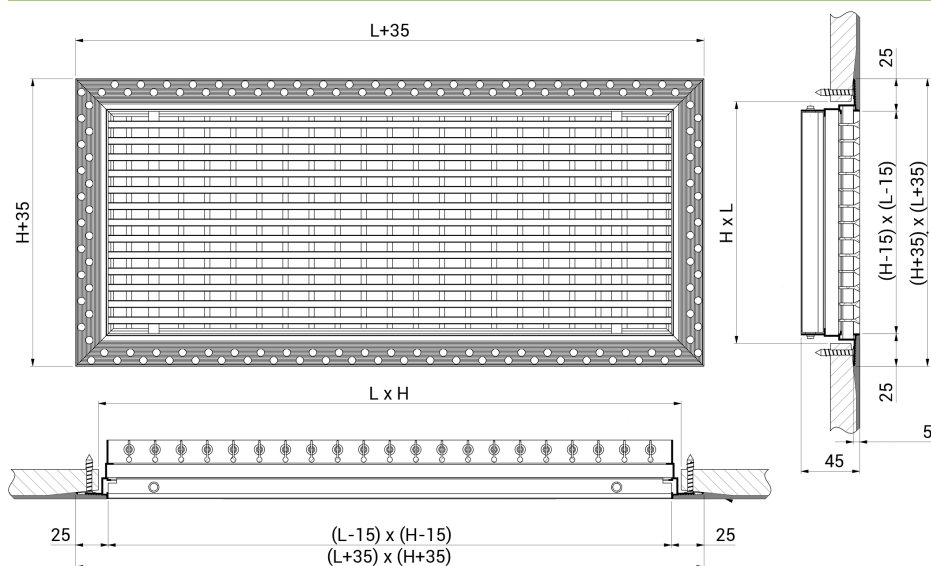
Paint colour RAL9016 or other colours of your choice.

Dimensions EBLs 20/0°

All dimensions are expressed in mm.



Dimensions EBLs 21/0°



Operating Data

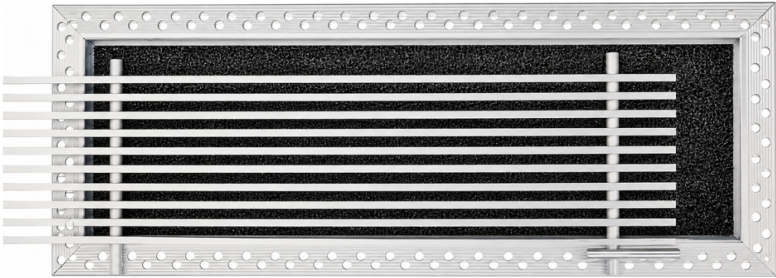
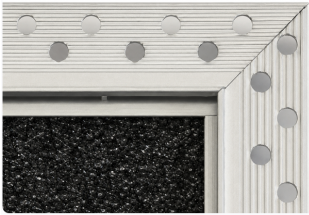
- Vk: effective speed (m/s).
- m³/h: air flow.
- Pa: pressure drop in Pascal.
- L1 (m): data referring to a terminal throw velocity Vt = 0.25 m/s and with a temperature differential of 10/12°C in ceiling insallation (not higher than 3 m); for longer distances, it needs to correct the throw multiplying it by 0,7.
- dB(A): noise level.

* Data refers to clean filter conditions for use of the grille in return air applications with EFEBLS filter.

Dimensions are expressed in mm.

Dimensions LxH	Effective Section	Vk 1,5 m/s*	Vk 3 m/s		Vk 4 m/s		Vk 5 m/s	
	m²	m³/h	m³/h	L1	m³/h	L1	m³/h	L1
400x75	0,015	80	160	2,8	213	3,8	266	4,7
500x75	0,019	100	201	3	268	3,9	335	4,9
600x75	0,022	121	243	3,1	323	4,1	404	5,1
800x75	0,030	163	326	3,3	434	4,3	543	5,4
1000x75	0,038	204	408	3,4	545	4,5	681	5,7
400x100	0,020	108	216	2,9	292	3,8	365	4,8
500x100	0,026	138	276	3	367	4	459	5
600x100	0,031	166	332	3,1	443	4,2	554	5,2
800x100	0,041	223	446	3,3	595	4,4	743	5,5
1000x100	0,052	280	560	3,5	746	4,6	933	5,8
400x125	0,026	139	278	2,9	370	3,9	463	4,9
500x125	0,032	175	350	3,1	467	4,1	583	5,1
600x125	0,039	211	422	3,2	563	4,2	703	5,3
800x125	0,052	283	566	3,4	755	4,5	944	5,6
1000x125	0,066	355	711	3,5	947	4,7	1184	5,9
400x150	0,031	168	337	3	449	4	561	5
500x150	0,039	212	424	3,1	566	4,2	707	5,2
600x150	0,047	256	512	3,3	682	4,3	853	5,4
800x150	0,064	343	687	3,4	916	4,6	1145	5,7
1000x150	0,080	431	862	3,6	1149	4,8	1436	6
400x200	0,042	227	455	3,1	607	4,2	758	5,2
500x200	0,053	286	573	3,3	764	4,4	955	5,4
600x200	0,064	345	691	3,4	922	4,5	1152	5,6
800x200	0,086	463	927	3,6	1237	4,8	1546	6
1000x200	0,108	582	1164	3,8	1552	5	1940	6,3
Pa		18	5		10		15	
dB(A)		32/38	25 / 32		33 / 39		38 / 44	

Construction Details

Installazione filo parete e facile accesso al filtro	Foratura perimetrale e allineamento dei profili
La cornice a scomparsa è progettata per essere integrata nella parete mediante rasatura in gesso, garantendo un risultato estetico pulito, discreto e perfettamente complanare alla superficie. Il gruppo frontale è facilmente removibile, consentendo un accesso rapido e immediato al filtro interno per le operazioni di ispezione, pulizia e manutenzione.	I fori distribuiti lungo il telaio assicurano un fissaggio semplice, stabile e uniforme alla struttura. L'allineamento preciso dei profili garantisce una cornice pulita, regolare e perfettamente integrata nella superficie.
	

EFEELS - Air Intake Filter

6 mm thick rigid polyurethane air intake filter without frame.

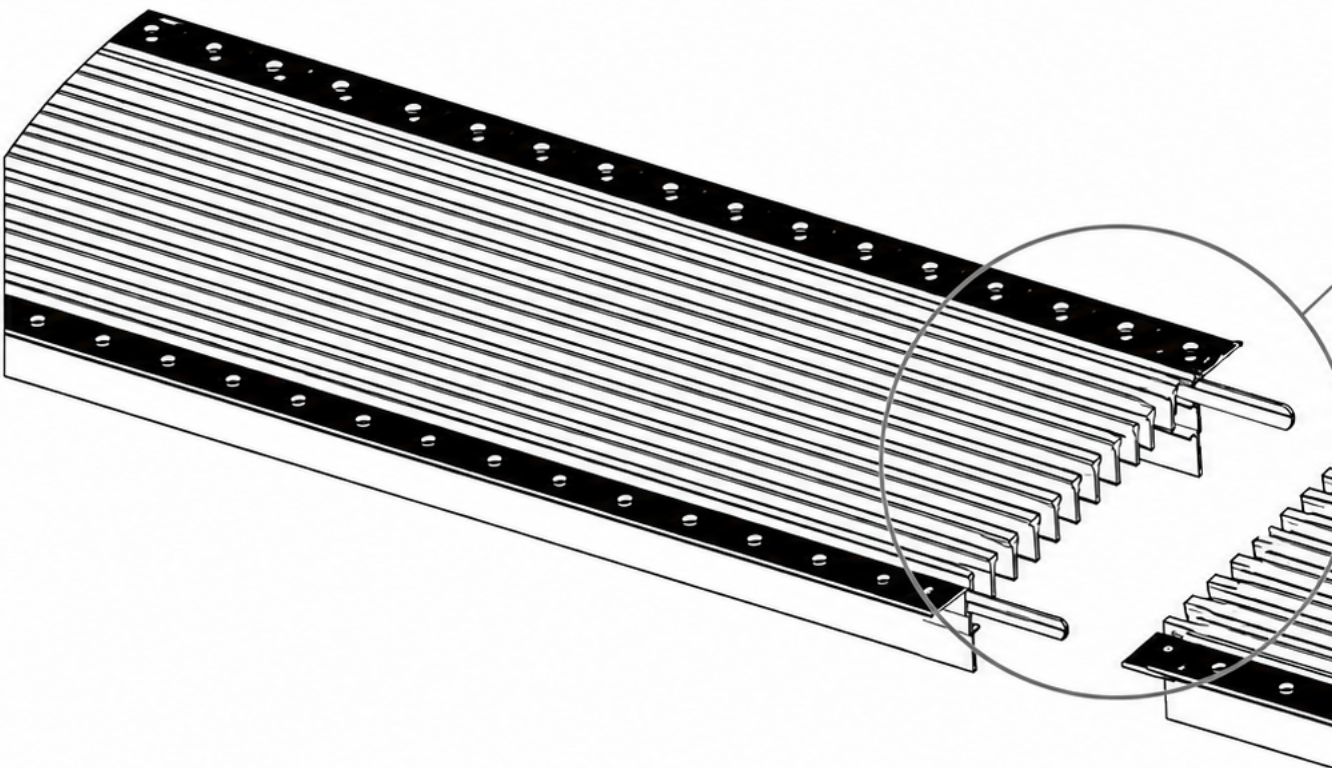
Photo	Physical Properties	Misurazione	Standard	Risultato
	Porosity	PPI - (Pores for Inch)		15-25
	Density	kg/m ³	ISO 845	55
	Compressive Strength	kPa at 25% Compression (20 °C)	ASTM D1564 70	
	Permanent Elongation	%	ISO 1798	35
	Tensile Strength	kPa	ISO 1798	200
	Tear Resistance	Nm/cm	ASTM D1564 15	
	Fire Performance	Nota: Il materiale non è ignifugo.		

SC - Calibration Damper

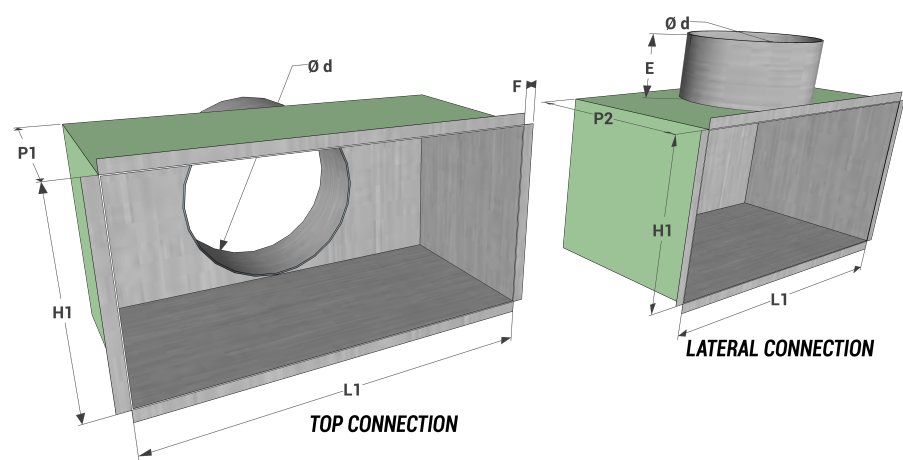
SC galvanized steel calibration damper with fins with opposing movement.



Continuity kit

Description	Photo
The continuity kit is an accessory required to create continuous linear grille runs longer than one meter. It consists of two joining plates that ensure the alignment and secure connection of two adjacent grille sections. NOTE: The continuity kit requires the grille core to be fixed and non-removable.	

Plenum Box



All dimensions are expressed in mm.

Models L1 x H1	Top Connection			Lateral Connection			E	F	Models L1 x H1	Top Connection			Lateral Connection			E	F
	P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d				P1	Nr. Connections	Ø d	P2	Nr. Connections	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%.

Dimensions	EBLS-20/0°	EBLS-20/15°	EBLS-21/0°	EBLS-21/15°
LxH	Eur	Eur	Eur	Eur
400x75	-	-	-	-
500x75	-	-	-	-
600x75	-	-	-	-
800x75	-	-	-	-
1000x75	-	-	-	-
400x100	-	-	-	-
500x100	-	-	-	-
600x100	-	-	-	-
800x100	-	-	-	-
1000x100	-	-	-	-
400x125	-	-	-	-
500x125	-	-	-	-
600x125	-	-	-	-
800x125	-	-	-	-
1000x125	-	-	-	-
400x150	-	-	-	-
500x150	-	-	-	-
600x150	-	-	-	-
800x150	-	-	-	-
1000x150	-	-	-	-
400x200	-	-	-	-
500x200	-	-	-	-
600x200	-	-	-	-
800x200	-	-	-	-
1000x200	-	-	-	-

Continuity kit

Continues Line Kit.	Eur
K-CON - Continuity Kit	-

Accessories

All dimensions are expressed in mm.

Dimensions	Top Connection		Lateral Connection		SC - Volume Damper	EFEBLS Filtro di ripresa per EBLS 20
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		
L1xH1	Eur	Eur	Eur	Eur	Eur	Eur
400x75	-	-	-	-	-	-
500x75	-	-	-	-	-	-
600x75	-	-	-	-	-	-
800x75	-	-	-	-	-	-
1000x75	-	-	-	-	-	-
400x100	-	-	-	-	-	-
500x100	-	-	-	-	-	-
600x100	-	-	-	-	-	-
800x100	-	-	-	-	-	-
1000x100	-	-	-	-	-	-
400x125	-	-	-	-	-	-
500x125	-	-	-	-	-	-
600x125	-	-	-	-	-	-
800x125	-	-	-	-	-	-
1000x125	-	-	-	-	-	-
400x150	-	-	-	-	-	-
500x150	-	-	-	-	-	-
600x150	-	-	-	-	-	-
800x150	-	-	-	-	-	-
1000x150	-	-	-	-	-	-
400x200	-	-	-	-	-	-
500x200	-	-	-	-	-	-
600x200	-	-	-	-	-	-
800x200	-	-	-	-	-	-
1000x200	-	-	-	-	-	-