

EBL Linear grilles with horizontal fixed bars



Description

Air jets with horizontal aluminium fixed bars with 0° or 15° deflection.

Characteristics

Material: aluminium.

Finish: natural anodised.

Installation: clip fastening for EBL 20 and EBL 21 and fork clip fastening for EBL 22.

Max length achievable in one piece: 2000 mm.

Use

Air jets used in air conditioning and ventilation systems for both supply and exhaust. They can be installed on the ceiling, on the wall and on the floor in non-walkable areas. They are also used as grilles in fan coils.

Models

- EBL20-0: with frame and front fixed bars with 0° deflection;
- EBL20-15: with frame and front fixed bars with 15° deflection;
- EBL21-0: with frame, front fixed bars with 0° deflection and adjustable rear blades;
- EBL21-15: with frame, front fixed bars with 15° deflection and adjustable rear blades;
- EBL22-0: without frame, only fixed bars with 0° deflection;
- EBL22-15: without frame, only fixed bars with 15° deflection.

Accessories

- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- CT - Galvanised steel counter-frame to set into wall.
- Fork clips for EBL 22

On request

- Painting in different RAL colours.
- Holes on frame for installation with screws.
- Removable finned pack (EBL 20 version only in special construction with 40mm deep frame).
- Continuous EBL 20/0 and EBL 20/15 for lengths greater than 2000 mm with the possibility of also adding inspection doors.
- On request, continuous EBL 20/0 or EBL20/15 inspection doors.

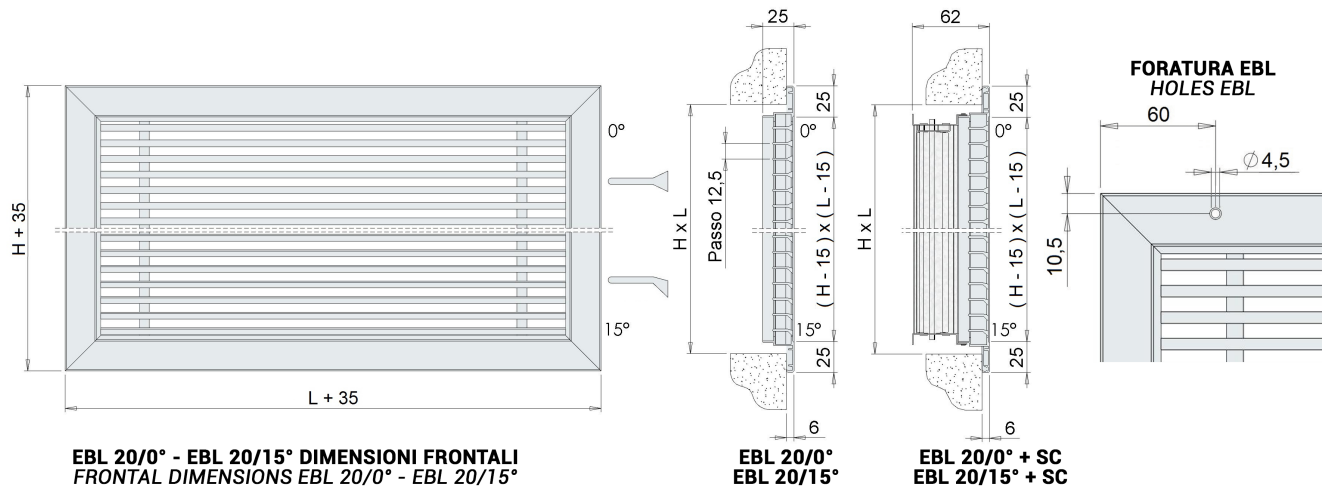
Operating Data

- V_k : effective speed (m/s).
- m^3/h : flow rate.
- Pa : pressure drops in Pascal.
- $L1$ (m): air throw referring to a terminal velocity $V_t = 0.25$ m/s and with a temperature differential of $10/12^\circ C$, installed near the ceiling (not beyond 3 m); for greater distances, correct the air throw by multiplying it by 0.7.
- $dB(A)$: noise level.

All dimensions are expressed in mm.

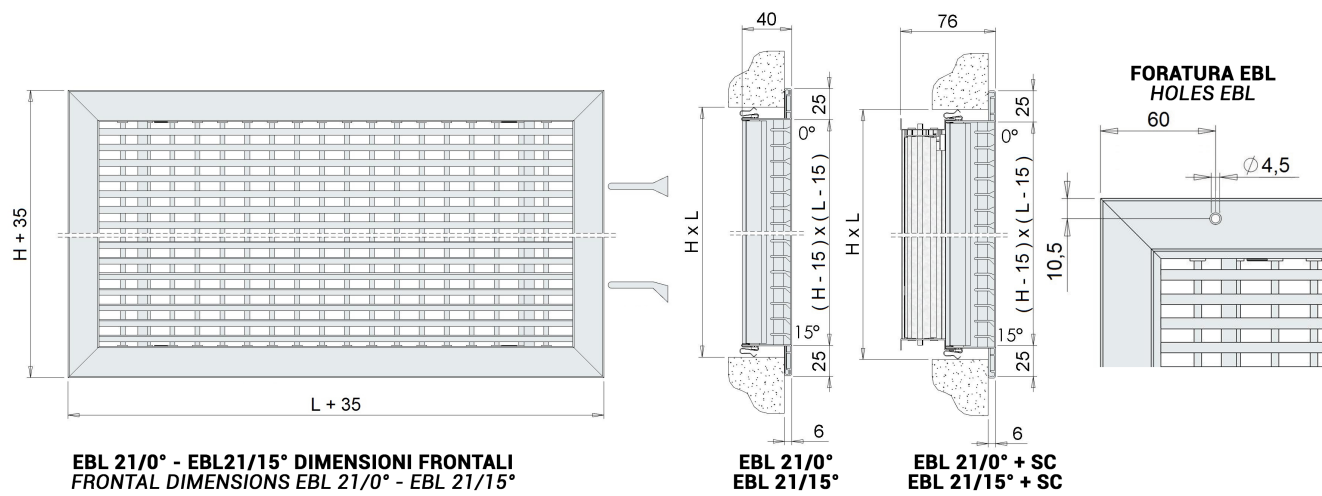
Dimensions LxH	Effective Section	Vk 3 m/s		Vk 4 m/s		Vk 5 m/s	
	m ²	m ³ /h	L1	m ³ /h	L1	m ³ /h	L1
400x75	0,015	160	2,8	213	3,8	266	4,7
500x75	0,019	201	3	268	3,9	335	4,9
600x75	0,022	243	3,1	323	4,1	404	5,1
800x75	0,030	326	3,3	434	4,3	543	5,4
1000x75	0,038	408	3,4	545	4,5	681	5,7
400x100	0,020	216	2,9	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
600x300	0,097	1050	3,6	1400	4,8	1750	6
800x300	0,130	1409	3,8	1879	5,1	2348	6,4
1000x300	0,164	1768	4	2357	5,3	1947	6,7
Pa		5		10		15	
dB(A)		25 / 32		33 / 39		38 / 44	

Dimensions EBL 20/0° EBL 20/15°



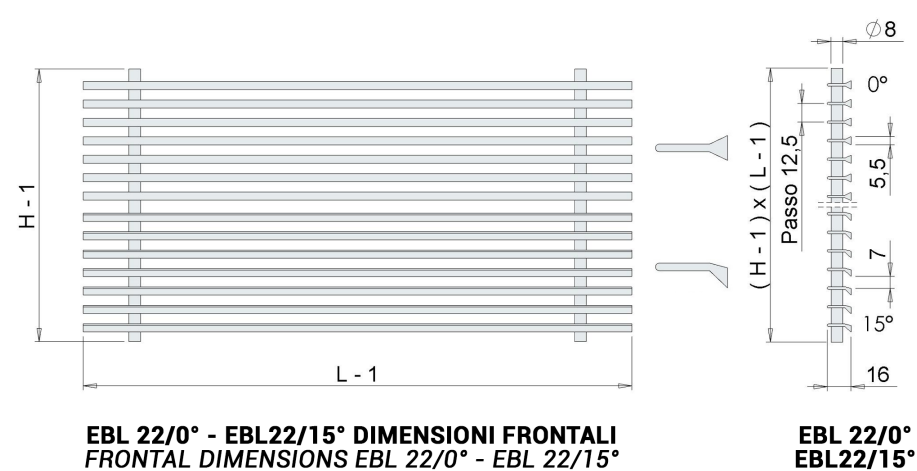
Holes on request.

Dimensions EBL 21/0° EBL 21/15°



Holes on request.

Dimensions EBL 22/0° EBL 22/15°

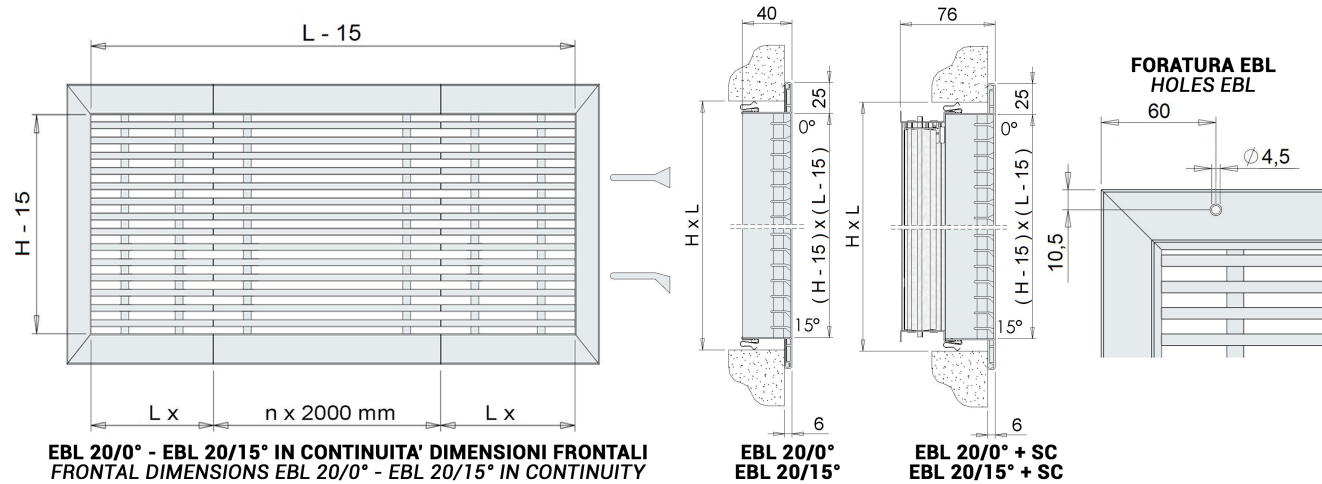


Fork clips with plate for EBL 22/0° EBL 22/15°.

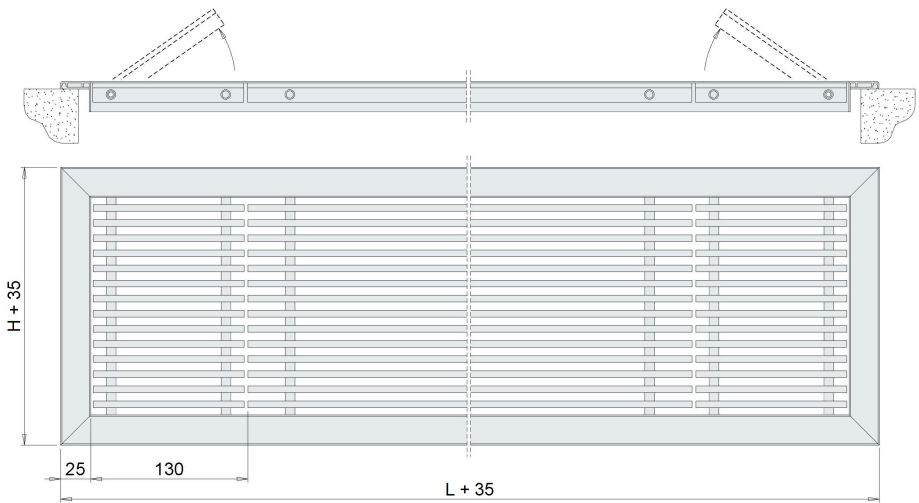
Photo	Models	EBL 22 Section Length	Number of Vertical Ducts	Number of Forks
		L (mm)		
	EBL 22/0° EBL 22/15°	fino a 502 mm	2	4
		da 503 mm a 901 mm	3	6
		da 902 mm a 1277 mm	4	8
		da 1278 mm a 1577 mm	5	10
		da 1578 mm a 1877 mm	6	12
		da 1878 mm a 2000 mm	7	14

Continuous EBL 20/0° EBL 20/15° dimensions

- Length $L \leq 2000$ mm in one piece;
- Length $L > 2000$ mm ≤ 4000 mm: in two parts of length $L/2$;
- Length $L > 4000$ mm: in a number of central parts of length $L = 2000$ and two end parts of length $L_x > 1000$ mm < 2000 mm.

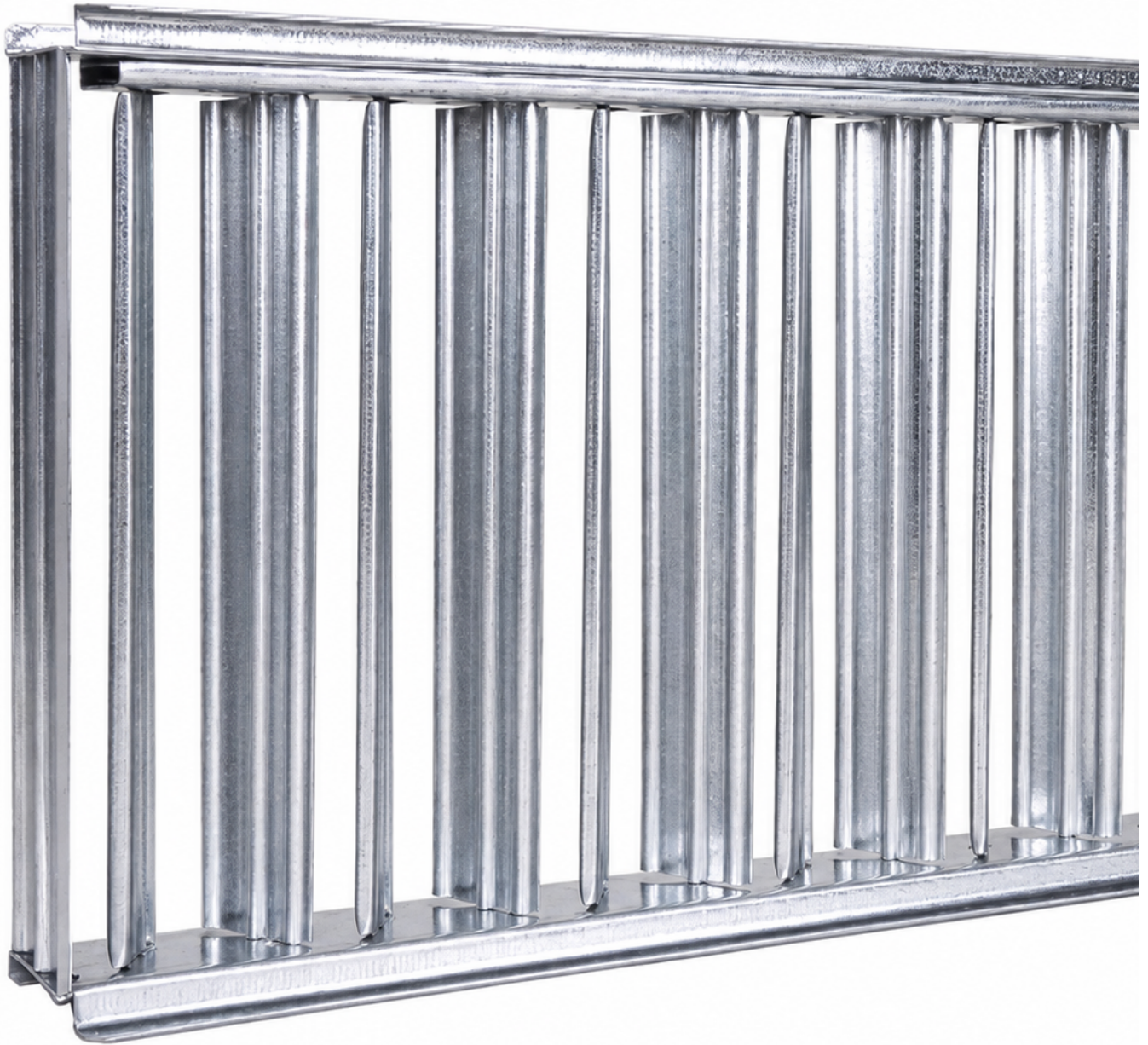


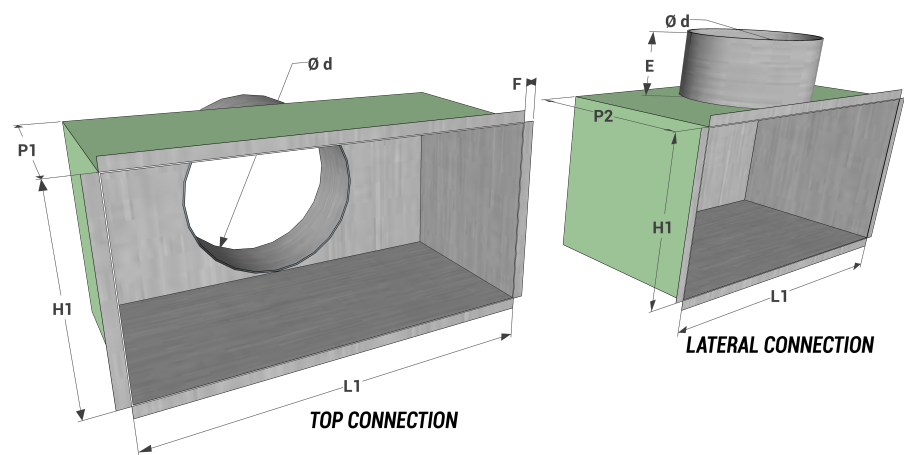
On request, inspection doors for continuous EBL 20-0 or 20-15.



SC - Volume Damper

This accessory allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing. The damper is attached to the diffuser using the clips supplied with the diffuser. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L × H): 1000 × 600 mm.





Price List

EBL 20 removable pack +20%.

Continuous EBL 20-0 EBL 20-15 prices on request.

Dimensions	EBL-20/0°	EBL-20/15°	EBL-21/0°	EBL-21/15°	EBL-22/0°	EBL-22/15°
LxH	Eur	Eur	Eur	Eur	Eur	Eur
400x75	28,31	28,31	35,63	35,63	17,82	17,82
500x75	34,93	34,93	43,12	43,12	20,63	20,63
600x75	37,75	37,75	46,83	46,83	24,38	24,38
800x75	44,35	44,35	55,76	55,76	29,02	29,02
1000x75	51,91	51,91	70,09	70,09	33,74	33,74
400x100	34,93	34,93	43,12	43,12	19,69	19,69
500x100	40,60	40,60	52,50	52,50	22,48	22,48
600x100	43,43	43,43	54,34	54,34	26,23	26,23
800x100	50,02	50,02	64,99	64,99	29,02	29,02
1000x100	59,48	59,48	81,78	81,78	36,23	36,23
400x125	38,71	38,71	45,95	45,95	22,48	22,48
500x125	43,43	43,43	55,30	55,30	26,23	26,23
600x125	50,02	50,02	62,80	62,80	34,68	34,68
800x125	54,74	54,74	74,10	74,10	41,24	41,24
1000x125	69,85	69,85	93,52	93,52	47,80	47,80
400x150	43,43	43,43	58,10	58,10	33,74	33,74
500x150	45,31	45,31	68,41	68,41	37,48	37,48
600x150	54,74	54,74	73,10	73,10	43,12	43,12
800x150	71,73	71,73	84,31	84,31	53,44	53,44
1000x150	82,13	82,13	105,29	105,29	61,85	61,85
400x200	59,48	59,48	74,03	74,03	44,02	44,02
500x200	69,85	69,85	85,29	85,29	50,60	50,60
600x200	74,56	74,56	91,81	91,81	56,24	56,24
800x200	89,66	89,66	111,52	111,52	72,18	72,18
1000x200	109,49	109,49	131,22	131,22	84,31	84,31
600x300	101,95	101,95	122,78	122,78	86,23	86,23
800x300	131,20	131,20	157,42	157,42	105,89	105,89
1000x300	156,56	156,56	194,83	194,83	127,95	127,95

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	1000x125	200	3	123	230	3	123	80	12
500x75	-	-	-	150	2	98	80	12	400x150	200	1	148	250	1	148	80	12
600x75	-	-	-	150	2	98	80	12	500x150	200	2	148	250	2	148	80	12
800x75	-	-	-	150	2	98	80	12	600x150	200	2	148	250	2	148	80	12
1000x75	-	-	-	150	2	98	80	12	800x150	200	2	148	250	2	148	80	12
400x100	200	2	98	200	2	98	80	12	1000x150	200	3	148	250	3	148	80	12
500x100	200	2	98	200	2	98	80	12	400x200	200	1	198	300	1	198	80	12
600x100	200	2	98	200	2	98	80	12	500x200	200	1	198	300	1	198	80	12
800x100	200	2	98	200	2	98	80	12	600x200	200	2	198	300	2	198	80	12
1000x100	200	3	98	200	3	98	80	12	800x200	200	2	198	300	2	198	80	12
400x125	200	1	123	230	1	123	80	12	1000x200	200	2	198	300	2	198	80	12
500x125	200	2	123	230	2	123	80	12	600x300	200	2	198	350	2	248	80	12
600x125	200	2	123	230	2	123	80	12	800x300	200	2	248	350	2	248	80	12
800x125	200	2	123	230	2	123	80	12	1000x300	200	2	248	350	2	248	80	12

Price List - RAL 9016

EBL 20 removable pack +20%.

Continuous EBL 20-0 EBL 20-15 prices on request.

Dimensions	EBL-20/0°	EBL-20/15°	EBL-21/0°	EBL-21/15°	EBL-22/0°	EBL-22/15°
LxH	Eur	Eur	Eur	Eur	Eur	Eur
400x75	33,70	33,64	42,73	42,73	21,35	21,35
500x75	41,59	41,53	51,69	51,69	24,73	24,73
600x75	44,93	44,87	56,16	56,16	29,23	29,23
800x75	52,80	52,72	66,87	66,87	34,80	34,80
1000x75	61,79	61,69	84,04	84,04	40,45	40,45
200x100	25,05	25,01	33,84	33,84	16,87	16,87
300x100	31,46	31,41	40,33	40,33	19,12	19,12
400x100	41,59	41,53	51,69	51,69	23,60	23,60
500x100	48,32	48,25	62,94	62,94	26,95	26,95
600x100	51,68	51,60	65,14	65,14	31,46	31,46
800x100	59,53	59,44	77,92	77,92	34,80	34,80
1000x100	70,80	70,70	98,09	98,09	42,95	42,95
400x125	46,08	46,01	55,08	55,08	26,95	26,95
500x125	51,68	51,60	66,31	66,31	31,46	31,46
600x125	59,53	59,44	75,29	75,29	41,59	41,59
800x125	65,14	65,04	88,88	88,88	49,46	49,46
1000x125	83,13	83,00	112,08	112,08	57,32	57,32
400x150	51,68	51,60	69,68	69,68	40,45	40,45
500x150	53,92	53,84	82,14	82,02	44,95	44,95
600x150	65,14	65,04	87,65	87,65	51,69	51,69
800x150	85,38	85,26	101,11	101,11	64,05	64,05
1000x150	97,76	97,61	126,26	126,26	74,17	74,16
400x200	70,80	70,70	88,77	88,77	52,79	52,79
500x200	83,13	83,00	102,25	102,25	60,66	60,66
600x200	88,75	88,62	110,09	110,09	67,45	67,45
800x200	106,72	106,57	133,71	133,71	86,54	86,53
1000x200	130,32	130,12	157,34	157,34	101,11	101,10
500x300	101,09	100,93	123,60	123,60	86,54	86,53
600x300	121,33	121,15	147,21	147,21	103,39	103,38
800x300	156,17	155,93	188,76	188,76	126,98	126,97
1000x300	186,38	186,09	233,60	233,60	153,42	153,42

Accessories

Dimensions	Top Connection		Lateral Connection		SC - Volume Damper	CT - Mounting-frame
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		
L1xH1	Eur	Eur	Eur	Eur	Eur	Eur
400x75	-	-	44,84	59,19	18,44	16,79
500x75	-	-	47,43	62,67	22,01	18,47
600x75	-	-	50,03	66,14	25,18	20,19
800x75	-	-	55,23	73,13	31,65	24,19
1000x75	-	-	63,54	89,24	38,83	27,59
400x100	44,84	59,19	44,84	59,19	18,44	16,79
500x100	47,43	62,67	47,43	62,67	22,01	18,47
600x100	50,03	66,14	50,03	66,14	25,18	20,19
800x100	55,23	73,13	55,23	73,13	31,65	24,19
1000x100	52,00	71,34	69,06	94,64	38,83	27,59
400x125	37,77	52,07	39,25	54,07	21,28	17,67
500x125	48,88	64,47	50,64	66,86	24,64	20,33
600x125	51,55	68,10	53,59	70,82	28,08	22,16
800x125	56,99	75,41	59,59	78,85	35,96	25,91
1000x125	84,01	93,64	71,22	112,75	43,34	29,43
400x150	39,08	53,83	41,64	57,27	21,28	18,47
500x150	41,92	66,30	53,35	70,38	24,64	22,16
600x150	53,11	70,06	56,63	74,78	28,08	24,19
800x150	69,98	89,28	74,38	95,24	35,96	27,59
1000x150	84,01	105,63	89,37	112,75	43,34	31,31
400x200	41,72	57,15	47,32	64,67	26,32	21,35
500x200	44,76	61,27	51,31	69,98	30,92	24,19
600x200	62,39	81,21	74,86	95,68	35,62	25,91
800x200	73,54	93,88	82,80	106,39	43,65	31,31
1000x200	79,65	102,12	79,65	117,02	48,71	34,92
600x300	72,30	92,24	80,69	103,51	44,34	31,31
800x300	88,37	116,90	103,71	137,48	53,79	36,97
1000x300	95,40	126,33	113,51	150,59	64,85	42,05

Fork Clips with EBL 22 Plate	
Models	Eur
Fork Clips	2,97