

Rectangular straight attenuator

BDLD



Description

BDLD is a curved rectangular attenuator with conventional design with width and height dimensions that doesn't exceed the present connection dimensions. Sizes available in horizontal mounting between (a x b) 400 x 300 mm to 2400 x 2400 mm and in vertical mounting between 400 x 300 mm and 2000 x 1500 mm.

Design

BDLD has an external shell of trapezoidal corrugated sheet metal for stability and reduced risk of oscillation. BDLD is designed for low pressure drop with baffle combinations that attenuate especially low frequencies well. The type of insulation material is developed to provide good sound properties, low weight and to be cleanable. BDLD meets the requirements of air tightness class C and pressure class 2 according to EN 1507:2006. Tested according to ISO 7235. BDLD is equipped with joining profile type RJFP / LS.

Tools for dimensioning and planning

he IT-online calculation tool lindQST or DIMsilencer are recommended for fast choice of attenuator or a complete and fast sound calculation of the duct system.

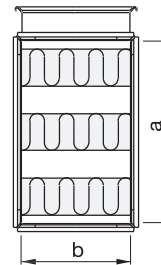
Order code

Product	BDLD	a	b	x	y	e	f
BDLD							
Width in mm , (a)							
Horizontal mounting: 400 - 2400							
Vertical mounting: 400 - 1500							
Height in mm , (b)							
Horizontal mounting 300 - 2400							
Vertical mounting 300 - 2000							
Standard Leg length (x) and (y)							
(x):150, 300, 450 mm							
(y):150, 300, 450 mm							
Code							
Accessories							
Specify your accessory type:							
TRA, TRB*, TRC*, AIA, AIB, AIA+TRB, AIB+TRC							

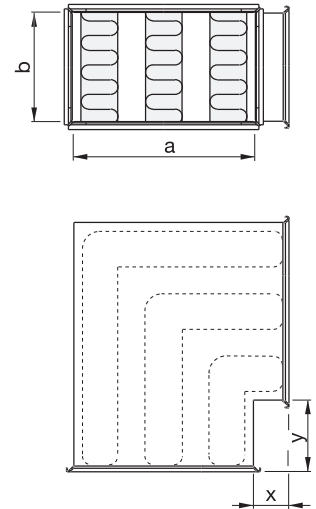
Example: BDLD - 800 - 600 - 150 - 150 - 3015 - TRA

Dimensions

Vertical mounting



Horizontal mounting



Special sizes and materials, contact Lindab sales.

The attenuator is also available with the following accessories/ options:

- TRA = Non-insulated inspection hatch.
- TRB = Hatch intended for external insulation.*
- TRC = Hatch intended for external insulation.*
- AIA = 50 mm fire protection insulation.
Note! a and b dim. increase by 100 mm.
- AIB = 100 mm fire protection insulation.
Note! a and b dim. increase by 200 mm.
- AIA+TRB = 50 mm fire protection insulation and the appropriate cleaning cover.
Note! a and b dim. increase by 100 mm.
- AIB+TRC = 100 mm fire protection insulation and the appropriate cleaning cover.
Note! a and b dim. increase by 200 mm.

* Specify insulation thickness when ordering.

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Width a mm	Code	Leg length (x+y)/2 mm	Static insertion attenuation / octave band [dB]								Resis- tance number	Self gener- ated noise number Intake/Outlet
			63	125	250	500	1000	2000	4000	8000		
400	3006	150	1	6	16	17	17	14	13	15	3,3	2,0
400	3009	150	1	7	12	12	13	12	11	12	3,3	2,0
400	3010	150	1	8	14	14	14	13	12	13	7,1	2,7
400	3006	300	1	8	20	23	25	20	17	17	3,6	2,0
400	3009	300	1	8	15	16	17	14	13	13	3,4	2,0
400	3010	300	2	10	18	19	20	16	14	15	7,4	2,7
400	3006	450	1	9	23	29	34	26	21	20	3,8	2,0
400	3009	450	2	10	19	20	22	17	14	14	3,5	2,0
400	3010	450	2	12	22	24	26	20	17	16	7,6	2,7
500	3006	150	1	7	15	15	15	14	13	14	2,0	1,7
500	3007	150	2	8	21	22	20	17	17	19	6,0	2,5
500	3014	150	2	11	15	15	15	14	13	14	12,4	3,3
500	3006	300	1	8	18	19	21	18	16	16	2,1	1,7
500	3007	300	2	10	25	29	31	27	23	23	6,7	2,5
500	3014	300	3	13	20	21	21	18	16	16	12,8	3,3
500	3006	450	2	9	20	24	27	22	18	18	2,2	1,7
500	3007	450	3	12	29	35	42	36	29	27	7,5	2,5
500	3014	450	4	16	25	26	27	22	18	18	13,2	3,3
600	3006	150	2	7	14	14	14	14	14	14	1,5	1,5
600	3007	150	2	9	19	19	18	16	17	18	3,3	2,0
600	3008	150	3	11	26	27	24	20	20	22	9,6	3,0
600	3006	300	2	8	17	17	18	16	15	16	1,5	1,5
600	3007	300	2	10	23	25	27	23	20	21	3,6	2,0
600	3008	300	4	13	30	34	34	29	26	27	11,1	3,0
600	3006	450	2	9	19	21	23	19	17	17	1,6	1,5
600	3007	450	3	12	26	31	36	29	24	23	3,8	2,0
600	3008	450	4	15	34	40	45	39	33	31	12,7	3,0
700	3008	150	3	9	18	18	17	16	16	18	2,3	1,8
700	3011	150	4	12	22	22	20	18	19	20	8,0	2,8
700	3012	150	3	11	17	17	16	16	16	17	5,0	2,3
700	3008	300	3	11	21	22	23	21	19	20	2,4	1,8
700	3011	300	4	14	27	29	31	26	23	24	8,7	2,8
700	3012	300	4	13	21	22	22	20	18	19	5,2	2,3
700	3008	450	3	12	24	27	30	25	22	22	2,5	1,8
700	3011	450	5	16	31	36	41	34	28	27	9,4	2,8
700	3012	450	4	15	25	27	28	24	21	20	5,4	2,3
800	3008	150	3	10	17	17	16	16	17	17	1,8	1,6
800	3009	150	4	11	22	21	19	19	19	21	3,3	2,0
800	3012	150	4	12	20	20	18	18	18	20	4,7	2,3
800	3015	150	6	16	26	26	23	21	22	23	19,2	4,0
800	3008	300	3	11	20	21	21	20	19	19	1,8	1,6
800	3009	300	4	13	25	27	28	25	23	23	3,6	2,0
800	3012	300	4	14	24	26	26	23	22	22	5,0	2,3
800	3015	300	7	19	31	34	33	30	27	28	21,1	4,0
800	3008	450	3	12	23	25	27	23	21	20	1,9	1,6
800	3009	450	4	14	28	33	37	31	27	26	3,8	2,0
800	3012	450	5	16	28	31	33	28	25	24	5,3	2,3
800	3015	450	8	21	37	41	44	40	33	32	22,9	4,0
900	3008	150	3	10	17	16	15	16	17	17	1,5	1,5
900	3010	150	5	13	25	25	22	21	22	23	4,5	2,3
900	3011	150	7	15	30	31	26	23	25	27	9,6	3,0
900	3013	150	5	13	19	18	17	17	18	19	3,3	2,0
900	3008	300	3	11	19	19	20	19	18	19	1,5	1,5
900	3010	300	5	15	29	31	32	29	27	27	5,0	2,3
900	3011	300	7	17	34	38	37	33	31	32	11,1	3,0
900	3013	300	5	14	22	23	23	21	21	21	3,5	2,0
900	3008	450	3	12	22	23	24	22	20	20	1,6	1,5
900	3010	450	6	16	33	38	43	37	31	31	5,5	2,3
900	3011	450	7	19	38	44	47	42	37	36	12,7	3,0
900	3013	450	5	16	26	28	29	25	23	23	3,6	2,0