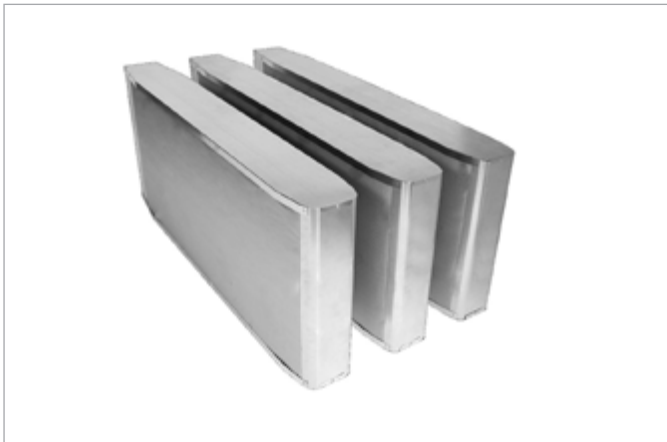


# Silencer baffle

# SLRA

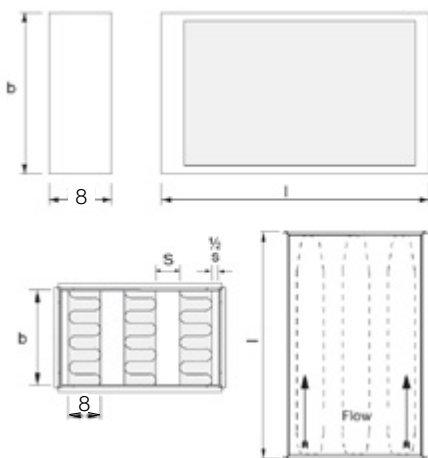
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## Description

The SLRA baffle is manufactured with a frame of galvanized sheet and Lindtec™ backed sound absorption material. The Lindtec™ surface is easy to clean and prevents removal of fibers, while allowing increased exposure of sound attenuation media.

Due to the aerodynamic design, the SLRA has a low pressure loss and a low generation of flow noise. The SLRA is available in a width of 8 in. The SLRA is also available in other lengths and with other baffle spacing configurations to suit every need.



## Ordering example

SLRA    8    24    40

Baffle width (in) \_\_\_\_\_

b (in) \_\_\_\_\_

l nom.(in) \_\_\_\_\_

## Dimension

Baffle Spacing  $S = 2.5$  in

Length (inch)	Attenuation [dB] for center frequency [Hz]								Pressure value $\xi$
	63	125	250	500	1k	2k	4k	8k	
40	5	11	23	34	48	43	28	20	10.2
60	7	16	34	50	50	50	39	27	12.9
80	9	22	45	50	50	50	49	33	15.6
100	11	27	50	50	50	50	50	38	18.2

Baffle Spacing  $S = 3$  in

Length (inch)	Attenuation [dB] for center frequency [Hz]								Pressure value $\xi$
	63	125	250	500	1k	2k	4k	8k	
40	4	9	20	30	42	36	23	17	5.5
60	5	14	29	44	50	50	32	22	6.9
80	7	18	39	50	50	50	40	27	8.2
100	8	22	48	50	50	50	48	31	9.5

Baffle Spacing  $S = 4$  in

Length (inch)	Attenuation [dB] for center frequency [Hz]								Pressure value $\xi$
	63	125	250	500	1k	2k	4k	8k	
40	3	8	18	27	37	29	19	14	3.2
60	5	12	26	40	50	44	27	18	4.0
80	6	16	34	50	50	50	33	22	4.8
100	11	27	50	50	50	50	50	38	18.2

Baffle Spacing  $S = 5$  in

Length (inch)	Attenuation [dB] for center frequency [Hz]								Pressure value $\xi$
	63	125	250	500	1k	2k	4k	8k	
40	3	7	16	25	32	24	16	11	2.0
60	4	11	23	36	50	36	22	15	2.5
80	5	14	31	48	50	47	28	18	3.0
100	6	17	38	50	50	50	33	21	3.5

Baffle Spacing  $S = 5.5$  in

Length (inch)	Attenuation [dB] for center frequency [Hz]								Pressure value $\xi$
	63	125	250	500	1k	2k	4k	8k	
40	3	7	15	23	28	20	13	9	1.3
60	4	10	22	34	44	30	18	12	1.7
80	4	13	28	45	50	39	23	15	2.0
100	5	16	35	50	50	48	27	18	2.4

NB. Maximum attenuation specified is 50 dB. The pressure loss  $\Delta p$  in Pa can be calculated from the pressure value  $\xi$ :  $\Delta p = 0.6 \times v^2 \times \xi$  where (v) is the velocity on the face area of the silencer.

The lengths shown above are only examples, other lengths between are also available. Minimum length is 20 in.

Note: l, nom means that the length in the Order Examples normally are meant as the length of the duct, the baffle will be a bit shorter to prevent mounting problems.

