



SLOIN round – Acoustic Element
Suspended with and without luminaire

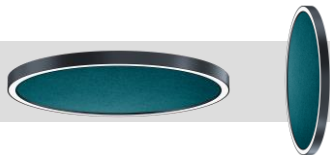
- SLOIN round Acoustic Elements comes in three different measurements and is suitable for four different installation methods
- Absorber consists of layers of pressed PET with optional colour layer and is optimized for sound absorbing benefits
- Felt fire classification: C-s2-d0
- Mentioned diameters represents Acoustic Elements without luminaire – for diameters with luminaire please add 125mm

Acoustic data

Frequency in Thirds [Hz]	Values each diameter - A_{Obj} [m²] material thickness: 25mm		
	675mm	1075mm	1375mm
100	0,04	0,11	0,18
125	0,06	0,15	0,24
160	0,09	0,24	0,39
200	0,11	0,27	0,45
250	0,12	0,31	0,50
315	0,14	0,35	0,58
400	0,17	0,43	0,70
500	0,19	0,49	0,80
630	0,22	0,55	0,91
800	0,23	0,59	0,97
1000	0,25	0,63	1,02
1250	0,26	0,66	1,08
1600	0,26	0,67	1,10
2000	0,30	0,76	1,25
2500	0,30	0,75	1,23
3150	0,32	0,80	1,31
4000	0,33	0,83	1,35
5000	0,33	0,84	1,38
Frequency in Octaves [Hz]	675mm	1075mm	1375mm
125	0,07	0,18	0,30
250	0,13	0,32	0,52
500	0,20	0,50	0,82
1000	0,25	0,64	1,04
2000	0,29	0,73	1,19
4000	0,32	0,82	1,34

All acoustic measurement have been performed in an accredited external laboratory. Ambient conditions during acoustic measurement: Without specimen: Ta= 20°C, r.h.= 48%, B= 96 kPa; with specimen; Ta= 20°C, r.h.= 48%, B= 96kPa

SLOIN round – Acoustic Element
Surface mounted (wall / ceiling) with luminaire



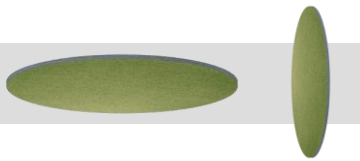
- SLOIN round Acoustic Elements comes in three different measurements and is suitable for four different installation methods
- Absorber consists of layers of pressed PET with optional colour layer and is optimized for sound absorbing benefits
- Felt fire classification: C-s2-d0
- Mentioned diameters represents Acoustic Elements with luminaire

Acoustic data

Frequency in Thirds [Hz]	Values each diameter - A_{Obj} [m ²] material thickness: 25mm		
	800mm	1200mm	1500mm
100	0,10	0,25	0,40
125	0,08	0,19	0,31
160	0,18	0,45	0,74
200	0,30	0,76	1,25
250	0,32	0,80	1,31
315	0,35	0,88	1,44
400	0,38	0,95	1,56
500	0,36	0,91	1,49
630	0,36	0,92	1,50
800	0,32	0,80	1,31
1000	0,35	0,88	1,44
1250	0,34	0,87	1,43
1600	0,35	0,88	1,44
2000	0,37	0,94	1,53
2500	0,36	0,92	1,50
3150	0,36	0,91	1,49
4000	0,37	0,93	1,51
5000	0,37	0,94	1,53
Frequency in Octaves [Hz]	800mm	1200mm	1500mm
125	0,13	0,32	0,52
250	0,32	0,82	1,34
500	0,36	0,91	1,49
1000	0,34	0,86	1,41
2000	0,36	0,91	1,49
4000	0,36	0,91	1,49

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SLOIN round – Acoustic Element
Surface mounted (wall / ceiling) without luminaire



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Acoustic data

Frequency in Thirds [Hz]	Values each diameter - A_{Obj} [m ²] material thickness: 25mm		
	675mm	1075mm	1375mm
100	0,02	0,05	0,09
125	0,02	0,05	0,09
160	0,03	0,08	0,13
200	0,06	0,16	0,27
250	0,10	0,25	0,42
315	0,13	0,34	0,55
400	0,19	0,47	0,77
500	0,24	0,60	0,98
630	0,29	0,74	1,20
800	0,32	0,80	1,31
1000	0,35	0,89	1,46
1250	0,37	0,94	1,54
1600	0,39	0,99	1,62
2000	0,41	1,04	1,71
2500	0,41	1,04	1,69
3150	0,39	1,00	1,63
4000	0,40	1,01	1,65
5000	0,38	0,97	1,59
Frequency in Octaves [Hz]	675mm	1075mm	1375mm
125	0,02	0,05	0,07
250	0,11	0,27	0,45
500	0,23	0,59	0,97
1000	0,34	0,86	1,41
2000	0,36	0,91	1,49
4000	0,36	0,91	1,49

All acoustic measurement have been performed in an accredited external laboratory. Ambient conditions during acoustic measurement: Without specimen: Ta= 20°C, r.h.= 48%, B= 96 kPa; with specimen; Ta= 20°C, r.h.= 48%, B= 96kPa