

Description

SCO: circular sound attenuator with acoustic pod

- casing in galvanised steel
- flange with threaded insert
- internal acoustic pod with aerodynamic profile
- rock wool acoustic material 70 kg/m³ coated with black glass veil and micro-expanded mesh
- fire-resistance class: wool A1 EN13501-1; glass veil A2 EN 13501-1
- acoustic data according to ISO 7235
- L 10 = 1 times the diameter
- L 15 = 1.5 times the diameter
- L 20 = 2 times the diameter

SC: like SCO but without internal acoustic pod

Special executions

SCTV: Acoustic material with coating in glass tissue (list price +10%)

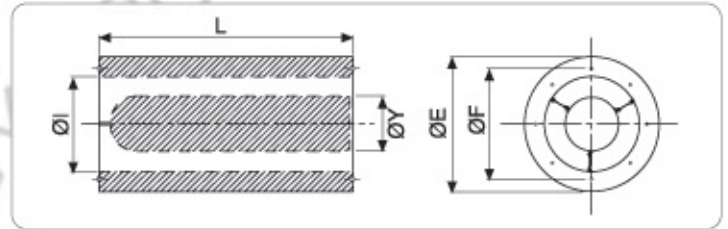
SCXO: like SCO but in AISI 304/316 stainless steel

SCX: like SC but in AISI 304/316 stainless steel

S2C: thickness 20/10 for industrial applications

S3C: thickness 30/10 for marine and off-shore applications

SCO



SCO attenuation

DN	L	frequencies (Hz)						
		125	250	500	1 k	2 k	4 k	8 k
250*	10	1	4	7	13	15	11	8
	20	3	9	16	26	22	14	13
315	10	1	4	9	16	17	13	10
	20	6	7	17	32	33	22	17
355	10	0	4	11	22	21	15	12
	20	2	8	19	40	39	27	20
400	10	1	4	11	20	18	14	11
	20	2	9	20	37	35	23	16
450	10	1	6	14	21	19	13	9
	20	3	10	23	39	36	21	15
500	10	2	5	13	20	16	11	8
	20	3	10	24	38	32	18	12
560	10	1	6	15	21	17	11	8
	20	2	12	27	41	35	18	12
630	10	1	6	15	19	16	10	8
	20	3	11	27	37	29	15	12
710	10	2	7	15	20	18	12	10
	20	5	14	29	41	32	18	15
800	10	3	9	12	17	15	9	8
	20	6	16	29	35	26	15	12
900	10	4	8	15	16	11	8	7
	20	7	17	30	34	20	12	11
1000	10	8	14	20	24	21	14	10
	20	13	28	39	47	38	19	13
1120	10	6	13	20	21	14	8	7
	20	14	26	36	42	24	13	11
1250	10	7	12	18	19	10	6	6
	20	13	25	35	37	17	11	9
1400*	10	7	11	19	18	11	8	7
	20	9	14	25	24	16	10	9
1600*	10	7	12	18	17	11	8	7
	20	10	15	23	21	16	10	9

*: attenuation Gr 250, 1400 and 1600 calculated

Dimensions

Ø nominal [mm]	Ø I [mm]	Ø E [mm]	Ø F [mm]	no. holes	Ø holes [mm]	Ø insert	Ø Y [mm]	L		
								10	15	20
250	250	390	280	4	11	10 MA	120	250	375	500
315	315	455	355	8	11	10 MA	140	315	472.5	630
355	355	495	395	8	11	10 MA	200	355	532.5	710
400	400	540	450	8	12	10 MA	200	400	600	800
450	450	610	500	8	12	10 MA	250	450	675	900
500	500	660	560	12	12	10 MA	250	500	750	1000
560	560	720	620	12	12	10 MA	300	560	840	1120
630	630	790	690	12	12	10 MA	300	630	945	1260
710	710	870	770	16	12	10 MA	380	710	1065	1420
800	800	1000	860	16	12	10 MA	380	800	1200	1600
900	900	1100	970	16	15	12 MA	380	900	1350	1800
1000	1000	1200	1070	16	15	12 MA	650	1000	1500	2000
1120	1120	1320	1190	20	15	12 MA	650	1120	1680	2240
1250	1250	1450	1320	20	15	12 MA	650	1250	1875	2500
1400	1400	1600	1470	20	15	12 MA	650	1400	2100	2800

SCO pressure drop

