

ABC-SFZ160

DAMPER



USE

ABC-SFZ160 is a comfort damper intended for control and shut-off in air-handling systems. The combination of low weight, low torque, and a high air-tightness class makes the damper ideal for use in modern ventilation systems with high energy-efficiency requirements.

DESIGN

Manufactured from zinc-magnesium coated steel sheet (ZM310) with corrosivity class C5 in accordance with SS-EN ISO 12944-2. Designed for installation with slip joint connections. EPDM seals.

BLADES AIR TIGHTNESS CLASS

Class 3

CASING AIR-TIGHTNESS CLASS

Class C

OPERATIONAL PRESSURE

Max 1000 Pa differential pressure across the closed damper. The dampers are designed for pressure class A.

OPERATING TEMPERATURE

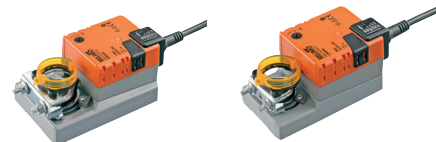
Max 70°C.

SIZE

Manufactured in sizes from 200×200 to 1600×1600 mm, in 100 mm increments.

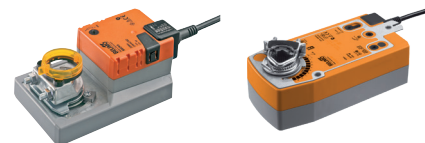
SPECIFICATION TEXT

Damper ABC-SFZ160, manufactured by Swegon. Pressure class A. Air-tightness class 3. Made of zinc-magnesium ZM310. Complete with factory-mounted actuator NM 24A-SR. Size 1000×1000.



NM

LM



SM

NF



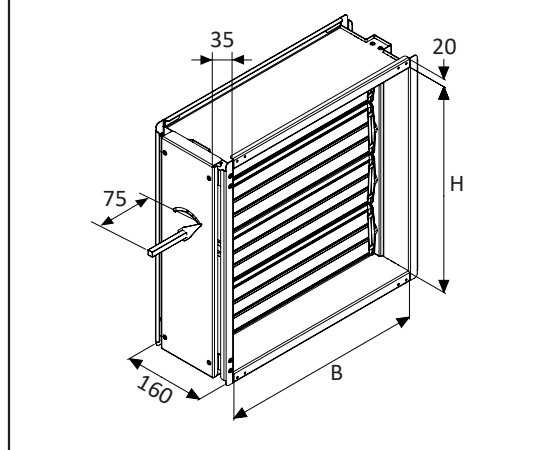
LF

SF

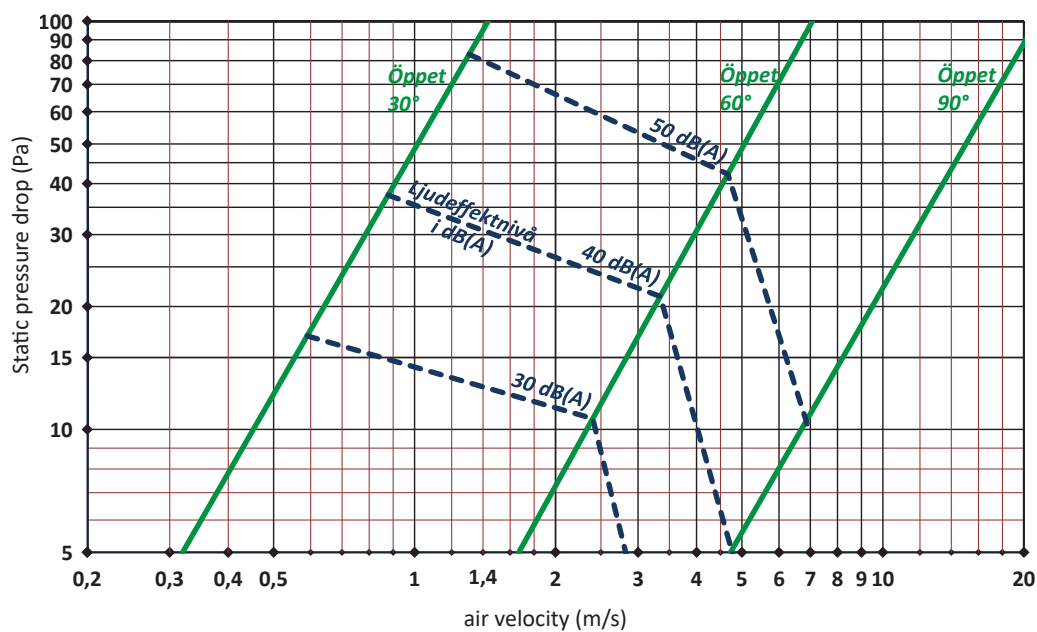


HR

Accessories:
Actuators
Hand control (HR)



DIMENSION



ACTUATOR SHAFT TORQUE (NM)

Width Height	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
200	3	3	3	3	3	5	5	5	5	7	7	7	10	10	10
300	3	3	3	3	3	5	5	5	5	7	7	10	10	10	10
400	5	5	5	5	5	5	5	5	5	7	7	10	10	10	10
500	5	5	5	5	5	7	7	7	7	7	7	10	10	10	10
600	5	5	5	5	7	7	7	7	10	10	10	10	10	10	10
700	5	5	5	7	7	7	7	10	10	10	10	10	10	10	10
800	5	5	7	7	7	7	10	10	10	10	10	10	10	10	10
900	5	7	7	7	7	10	10	10	10	10	10	10	10	10	20
1000	7	7	7	7	7	10	10	10	10	10	10	10	20	20	20
1100	7	7	7	7	7	10	10	10	10	10	10	20	20	20	20
1200	7	7	7	7	7	10	10	10	10	10	20	20	20	20	20
1300	7	7	7	7	10	10	10	10	10	20	20	20	20	20	20
1400	7	7	7	10	10	10	10	10	20	20	20	20	20	20	20
1500	7	7	10	10	10	10	10	20	20	20	20	20	20	20	20
1600	7	10	10	10	10	10	20	20	20	20	20	20	20	20	20

Indicative values

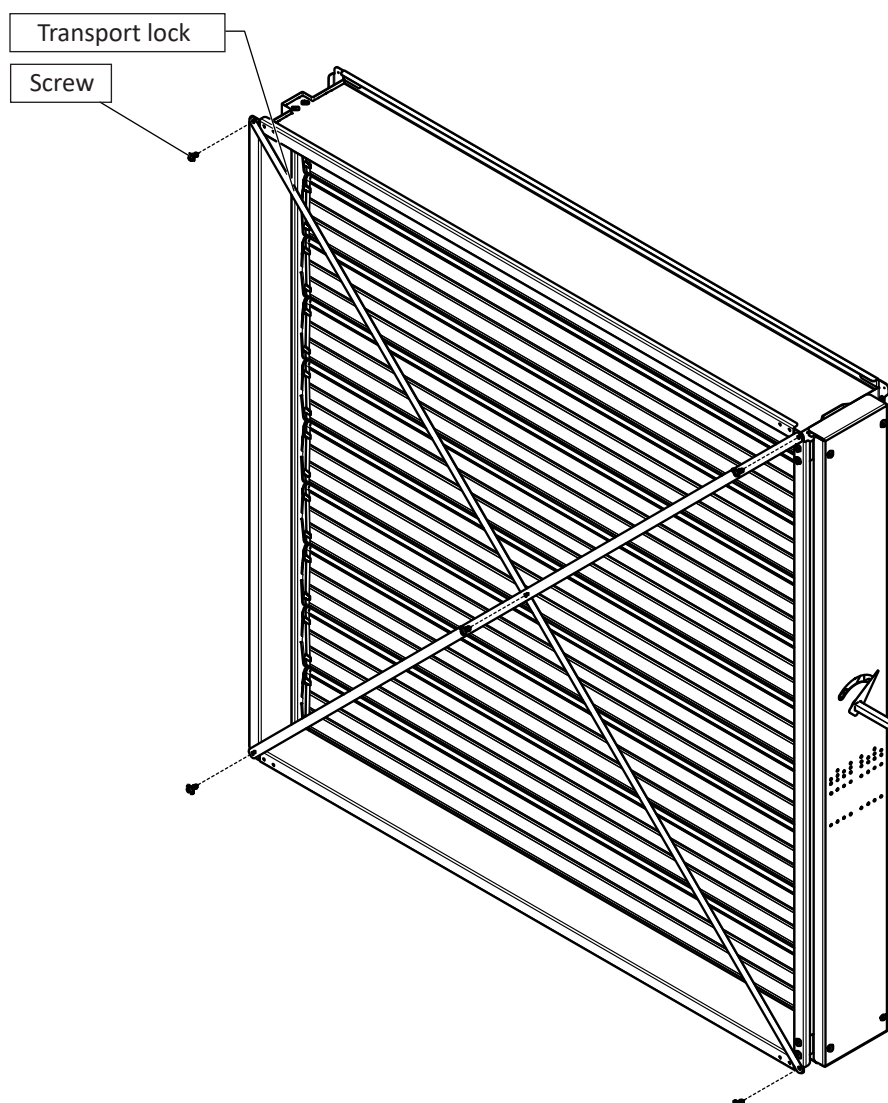
WEIGHT

Weight refers to the damper without actuator (± 1 KG).

Width Height	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
200	3	4	5	5	6	7	7	8	9	10	10	11	12	13	13
300	4	5	6	7	7	8	9	10	11	11	12	13	14	15	15
400	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
500	6	7	8	10	11	12	14	14	15	17	18	19	20	21	22
600	6	7	9	11	12	14	15	16	17	19	21	22	23	25	26
700	7	8	10	12	13	15	17	18	19	21	23	24	26	28	29
800	7	9	11	13	15	17	18	20	21	24	25	27	29	31	33
900	11	12	14	15	17	19	20	22	24	25	27	29	30	32	34
1000	9	11	13	15	17	19	21	24	26	28	30	32	34	36	38
1100	13	15	16	18	20	22	24	26	28	30	31	33	35	37	39
1200	11	13	15	17	19	21	23	28	30	31	34	36	38	41	43
1300	15	17	19	21	23	25	27	30	32	34	36	38	41	43	45
1400	16	18	20	23	25	27	29	32	34	36	39	41	43	45	48
1500	17	19	22	24	26	29	31	34	36	38	41	43	46	48	50
1600	18	20	23	25	28	30	33	36	38	41	43	46	48	51	53

INSTALLATION INSTRUCTIONS TRANSPORT LOCK

Sizes $\geq 1000 \times 1000$ are supplied with a transport lock and hat sections across the damper's width. The transport lock must be removed before final installation.



OPERATION AND MAINTENANCE

Actions during periodic maintenance, inspection, or troubleshooting:

EXTERNAL INSPECTION

- Check the damper casing and linkage system to ensure that no external damage or foreign objects hinder the damper shafts' ability to move.
- Check that the damper shaft can be turned in both end positions.
- Lubricate the damper linkage system if necessary.

INTERNAL INSPECTION

WARNING! The damper contains moving parts that, if handled carelessly, can cause pinch injuries.

- Check that no damage or foreign objects hinder the damper blade's ability to move.
- Check that the damper blade seals are intact.
- If internal inspection as described above cannot be carried out, the damper's function and tightness can only be checked by differential pressure measurement across the closed damper.

CLEANING

- The cleaning requirement corresponds to the requirements placed on the system or system section in general.
- Do not use solvents that may damage seals and bearings. If in doubt, contact Swegon.
- After cleaning, check that no damage has occurred to the damper as described above.