

Thermal & sound-insulated flexible duct

ALSD-L



Description

Sonoduct AD-L thermal-insulated ducts protect air against heat loss inside the ventilation ductwork. The perforation improves the sound-insulating performance of this duct model. The product is based on the standard Aluduct and includes a 25 or 50 mm thick insulation with aluminium polyester cladding. It is generally intended for building connections for plenum boxes, air valves, or high-air-flow heat recovery ventilation systems.

Packaging: 10 metre sections compressed to 1200 mm and packed in cardboard boxes.

Flexibility (winding diameter): Depends on the actual duct outer diameter, i.e. ca. 0.75D (mm).

Temperature range: -30°C to +140°C

Maximum acceptable vacuum: Depending on the duct routing. For straight runs, 1/3 of the pressure transferred at the specific diameter can be taken.

Sound insulation: See the enclosed diagram.

Non-perforated version available on request.

IZODUCT AD-L ALID-L

Fire classification references: 2839.2/11/Z00NP

This product is also available in the GREEN version with a low VOC emission level.

Product code: ALS-D-G-L

Name: SONODUCT-G AD-L

Product code: ALID-G-L

Name: IZODUCT-G AD-L



Available materials — Product code example

ALS-D-L-...-... — AW-1050A H24 aluminium sheet

Product code example

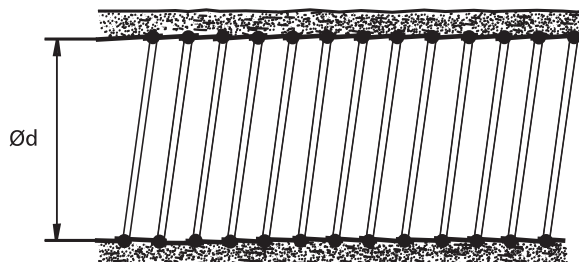
Product code: ALS-D-L - aaa - bbb

type

insulation thickness

Ød₁

Dimensions



Ød _{1 nom} (mm)	Ød out. (mm)	Max. acceptable pressure (Pa)	Tolerance (mm)
80	82.0	2000	+ 1.5
100	102.0	2000	+ 1.5
125	127.0	2000	+ 1.5
140	140.0	2000	+ 1.5
150	152.0	2000	+ 1.5
160	160.0	2000	+ 2.0
180	180.0	2000	+ 2.0
200	203.0	2000	+ 2.0
225	229.0	2000	+ 2.0
250	254.0	2000	+ 3.0
280	280.0	2000	+ 3.0
300	305.0	2000	+ 3.0
315	315.0	2000	+ 3.0
355	355.0	2000	+ 3.0
400	406.0	2000	+ 3.0
450	457.0	2000	+ 3.0
500	508.0	2000	+ 3.0
560	568.0	2500	+ 4.0
630	638.0	2500	+ 4.0
710	718.0	2500	+ 4.0
800	810.0	2500	+ 4.0