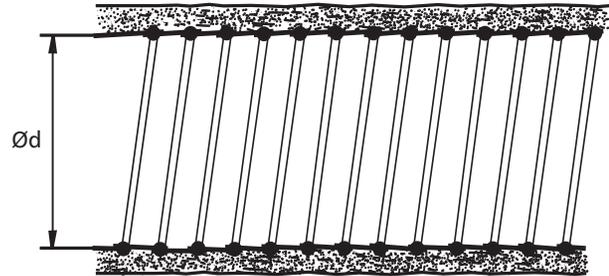


Thermal & sound-insulated flexible duct for fireplace systems

ALSD-3



Dimensions



Description

The Sonouct AD-3 is identical in design to the AD-L, except for the inner cladding. The outer cladding is a duct resistant to the maximum temperature of 250 °C; this makes it perfect for fireplace hot air distribution systems and for all ventilation systems with a maximum air temperature of 250 °C.

Packaging: 10 metre sections compressed to 1200 mm and packed in cardboard boxes, and 5 metre sections compressed to 600 mm and packed in cardboard boxes.

Flexibility (winding diameter): Depends on the actual duct outer diameter, i.e. ca. 0.80D (mm).

Temperature range: -30 °C to +250 °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-3 ALID-3

Fire classification references: 2839.1/11/Z00NP

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

Product code: ALSD-G-3

Name: SONODUCT-G AD-3

Product code: ALID-G-3

Name: IZODUCT-G AD-3

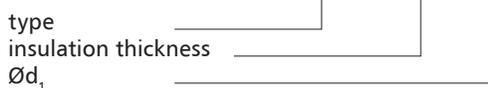


Available materials — Product code example

ALSD-3-...-... — AW-1050A H24 aluminium sheet

Product code example

Product code: **ALSD-3 - aaa - bbb**



$\varnothing d_{1\text{ nom}}$ (mm)	$\varnothing d$ 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

SONODUCT/SONOLIGHT insulated ventilation ducts

Technical specifications

Sound insulation performance charts

The charts show the noise levels for the SONODUCT and SONOLIGHT thermal and sound insulated ducts in relation to the duct section length sizes of 500 mm, 1000 mm and 1500 mm with the sound insulation thickness of ca. 25 mm.

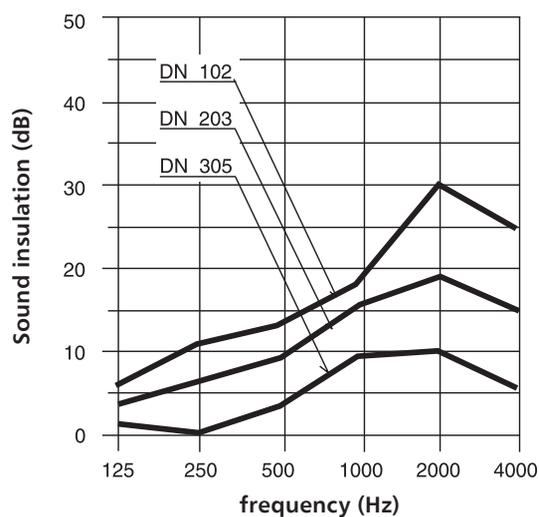


Chart 1: Noise levels in SONODUCT/SONOLIGHT
Sound insulation thickness: 25 mm
Duct section length: 500 mm

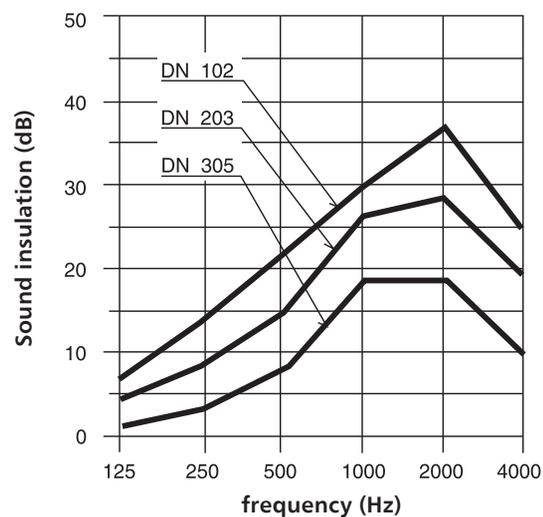


Chart 2: Noise levels in SONODUCT/SONOLIGHT
Sound insulation thickness: 25 mm
Duct section length: 1000 mm

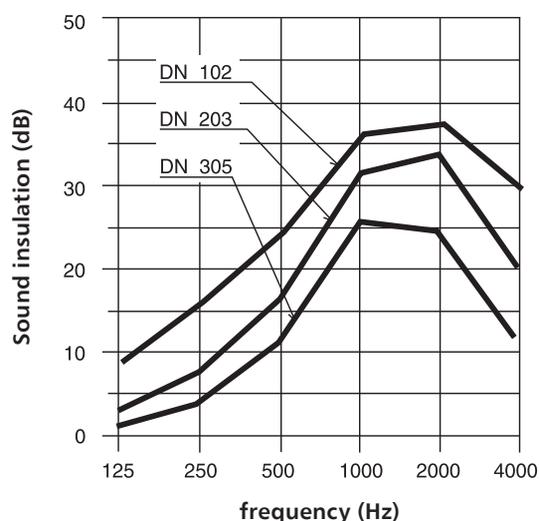


Chart 3: Noise levels in SONODUCT/SONOLIGHT
Sound insulation thickness: 25 mm
Duct section length: 1500 mm

IZODUCT/IZOLIGHT insulated ventilation ducts

Technical specifications

Flow resistance chart for IZODUCT/IZOLIGHT ducts

