

# SONOTEX

## SONOTEX



### Description

Flexible duct, noise and heat insulated, with additionally perforated ALUDUCT AD-L insert. Insulated with a 25mm thick mineral wool, covered with aluminium-polyester film casing.

**Packaging:** 10m sections, squeezed to 1200mm, packed into cardboard boxes.

**Flexibility rate (winding diameter):** Relative to a specific diameter, i.e. approx. 0.75 x diameter

#### Temperature range:

Allowable negative pressure: Depending on duct position. For straight sections, you can assume 1/3 of transmitted pressure per diameter.

**Noise insulation:** See the attached diagram.

The duct is also available without perforation **IZODUCT AD-L ALID-L**

The product is also available in GREEN series characterized by low emissions of volatile organic compounds.

**Code:** ALAD-G-L

**Name:** ALUDUCT-G AD-L

**Code:** ALID-G-L

**Name:** IZODUCT-G AD-L

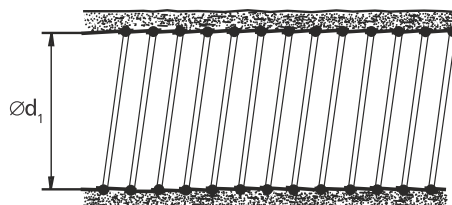


#### Example identification

Product code: **ALSD-L - aaa**

type \_\_\_\_\_  
 $\varnothing d_1$  \_\_\_\_\_

### Dimensions

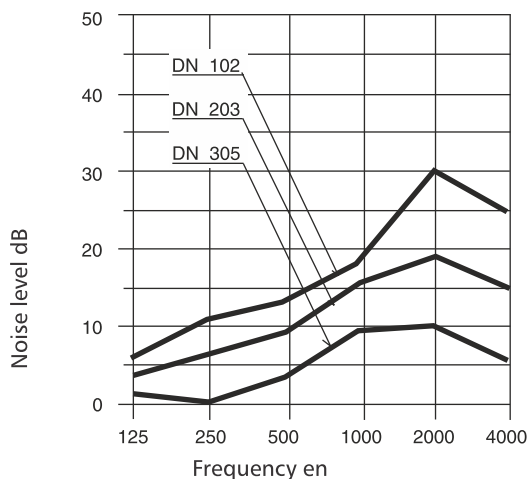


$\varnothing d_1$ [mm]	$\varnothing d_{ext}$ [mm]	allowable pressure [Pa]	tolerance [mm]
80	82,0	2000	+ 1,5
100	102,0	2000	+ 1,5
125	127,0	2000	+ 1,5
140	140,0	2000	+ 1,5
150	152,0	2000	+ 1,5
160	160,0	2000	+ 2,0
180	180,0	2000	+ 2,0
200	203,0	2000	+ 2,0
225	229,0	2000	+ 2,0
250	254,0	2000	+ 3,0
280	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

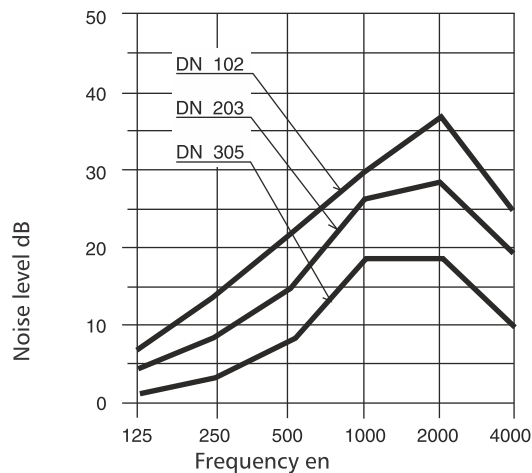
## Technical Data

### Noise attenuation curves

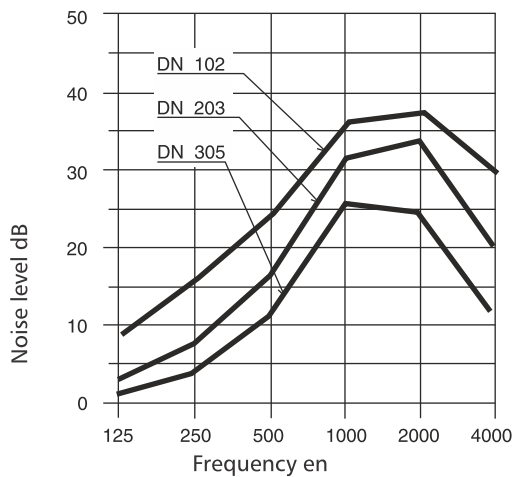
The charts show noise levels for noise and heat insulated SONODUCT and SONOLIGHT ducts, depending on the section length: 500mm, 1000mm and 1500mm at a noise insulation thickness of approx. 25mm.



**Figure 1: noise level for SONODUCT/SONOLIGHT**  
 Noise insulation thickness 25 mm  
 Duct section length 500 mm



**Figure 2: noise level for SONODUCT/SONOLIGHT**  
 Noise insulation thickness 25 mm  
 Duct section length 1000 mm



**Figure 3: noise level for SONODUCT/SONOLIGHT**  
 Noise insulation thickness 25 mm  
 Duct section length 1500 mm

## Technical Data

Flow resistance chart for IZODUCT/IZOLIGHT ducts

