

# ALUFLEX

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## Description

The flexible round ducts are a result of spiralling profiled aluminium tape which is joined using a triple overlap lock.

**Packaging:** 3m sections, squeezed to 1000-1300mm.

**Flexibility rate:** Minimum duct bend radius is one and half diameters or so ( $R=1.5D$ )

**Temperature range:**  
Maximum humidity: 95 %

**Allowable static pressure:** 2000 Pa

**Allowable static negative pressure:** 1000 Pa

**Flow rates:**  
Recommended operating speed: do 7 m/s  
Maximum flow rate: do 25 m/s

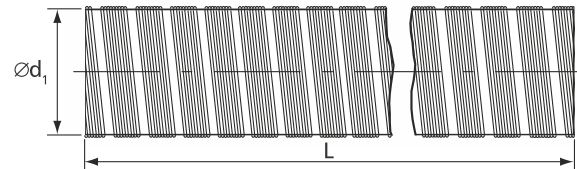
**Fire resistance:** non-combustible

### Example identification

Product code: AF-AL - aaa

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

## Dimensions



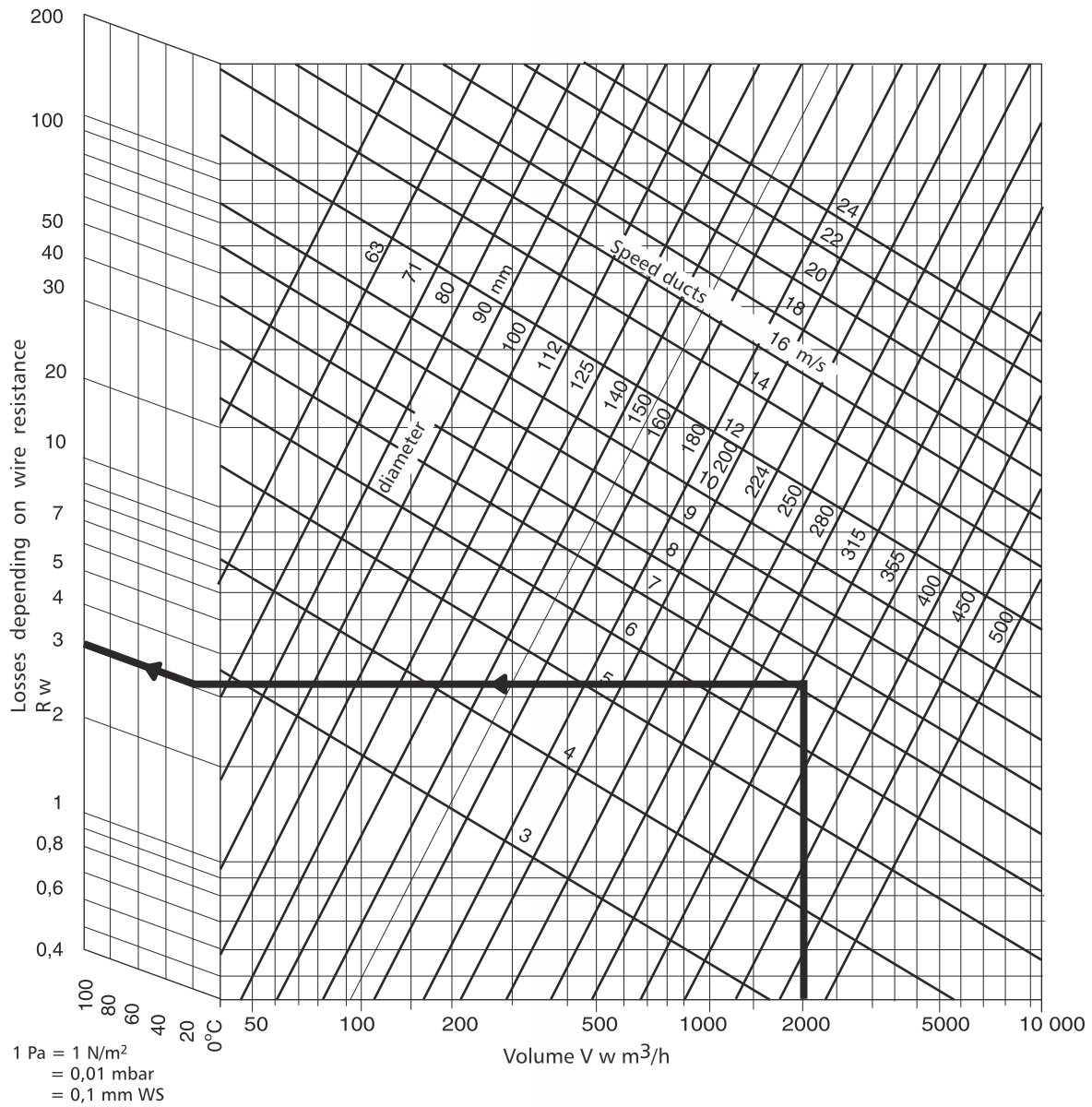
$\varnothing d_1$ , rated [mm]	$\varnothing d_1$ , ext [mm]	length L [mm]	weight [kg/pcs]
80	83	3000	0,34
85	88	3000	0,36
90	93	3000	0,38
100	103	3000	0,42
110	113	3000	0,47
115	118	3000	0,49
120	123	3000	0,51
125	128	3000	0,53
130	133	3000	0,55
133	136	3000	0,57
135	138	3000	0,58
140	143	3000	0,59
150	154	3000	0,63
160	164	3000	0,68
180	184	3000	0,76
200	204	3000	0,90
250	254	3000	1,13
300	304	3000	1,35
315	319	3000	1,42
355	359	3000	1,60
400	406	3000	1,80
450	456	3000	2,14
500	506	3000	2,25

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### Technical Data

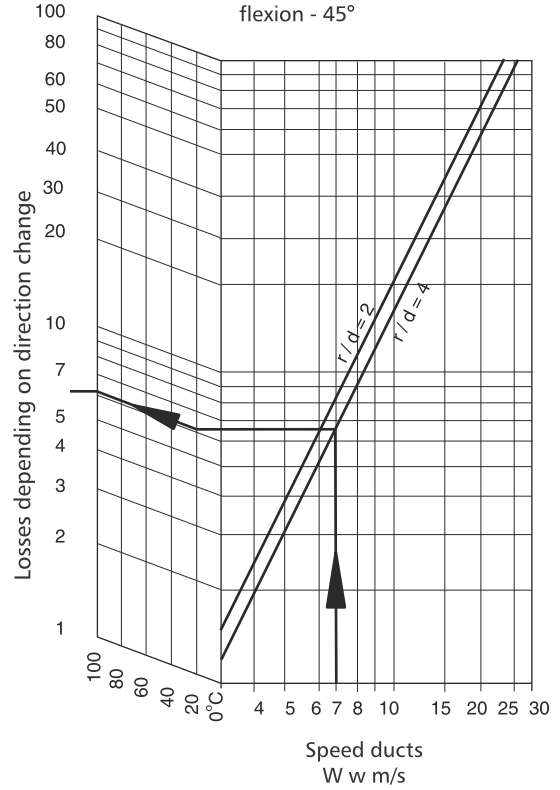
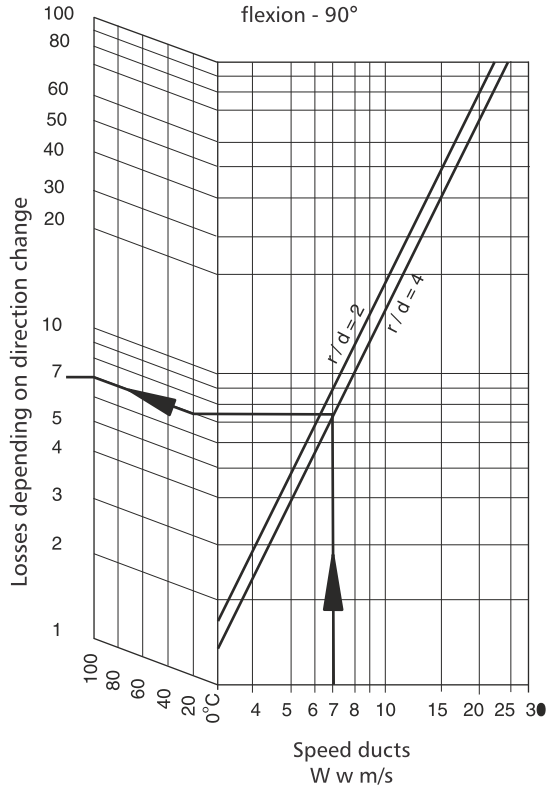
Pressure drop chart for straight sections



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## Technical Data

Pressure drop chart for sections angled 90° and 45°



1 Pa = 1 N/m<sup>2</sup>  
= 0,01 mbar  
= 0,1 mm WS

Noise level in ALNOR®FLEX i STAL®FLEX ducts with standard diameters of 100mm to 300mm

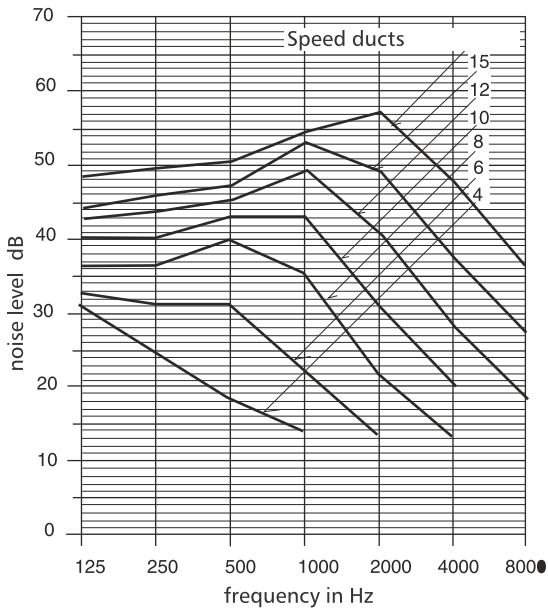


Figure 1: Noise level in ALNOR®FLEX and STAL®FLEX ducts straight section

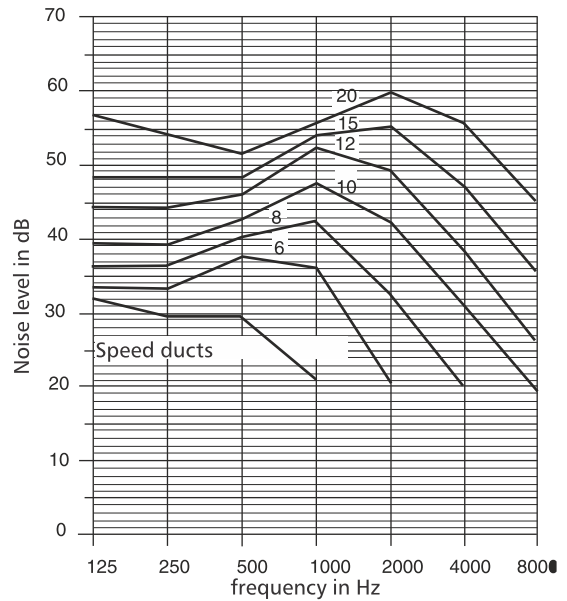


Figure 1: Noise level in ALNOR®FLEX and STAL®FLEX ducts section angled at 90° r = d