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Flexible ducts and semiflexible ducts

Linings and materials

	Flexible				Semiflexible				
	Denomination	Inner wall	Insulation	Outer wall	Denomination	Inner wall	Insulation	Outer wall	Denomination interpretation
Uninsulated ducts	KFH	PVC							Flexible Duct
					SRF1C	AL			Flexible Duct One
					SRFV	GALV			Flexible Duct
	FLD	AP light							Flexible Light Duct
	FHDD	AP heavy							Flexible Heavy Double Duct
	FLDD	AP+PVC							Flexible Light Double Duct
					SRFC	AL+AL			Flexible Double Duct
Connector	DRATU DRATMF DRATMFU	AL							
Insulated ducts	FIBLD	AP budget light	Glass wool 25 mm	AP or PMP					Flexible Insulated Budget Light Duct
					SRFW	AL+AL	Glass wool 25 or 50 mm	AL+AL	Flexible Insulated Double Duct
	FDFI	PE	Glass wool 25 mm	AP					Flexible Duct Foil Insulation
Silencers	AKUCOM	AL	Mineral wool 25 mm	PE					
	FBLDFSL	AP light	Glass wool 25 mm	PMP					Flexible Light Duct Foil Silencer
					SLFA	AL+AL	Glass wool 25 mm	AL+AL	Flexible Double Duct Gables Silencer
					SLFA	AL+AL	Glass wool 50 mm	AL+AL	Flexible Double Duct Gables Silencer
	FSA FSAFU	AL	Alutec	Polyet-hylene					

Materials

AL = Aluminium

AP = Aluminium-polyester

GALV = Galvanized steel

MP = Metalized Polyester

PMP = Metalized Polyester

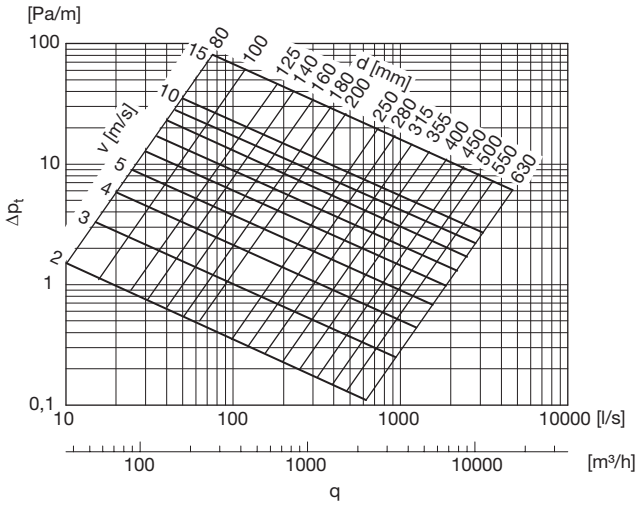
PE = Polyester

PVC = Polyvinyl Cloride

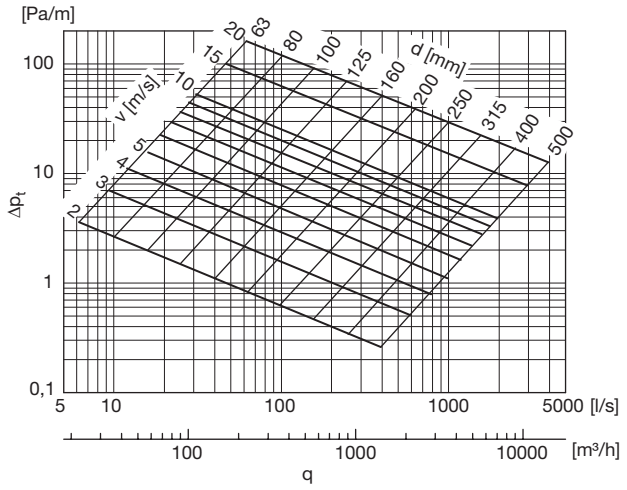
Flexible ducts and semiflexible ducts

Technical data

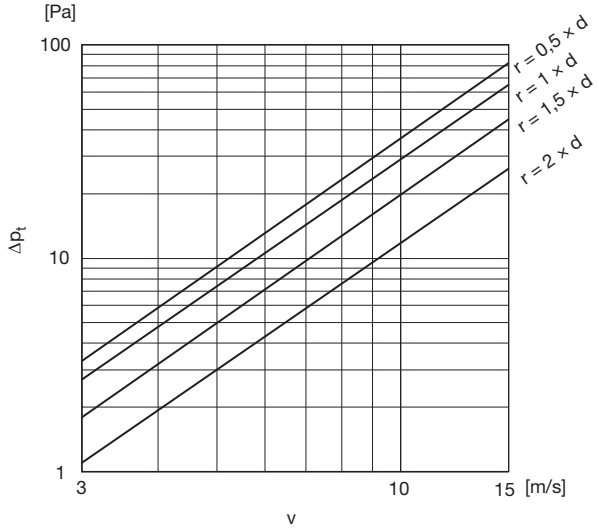
Flexible ducts



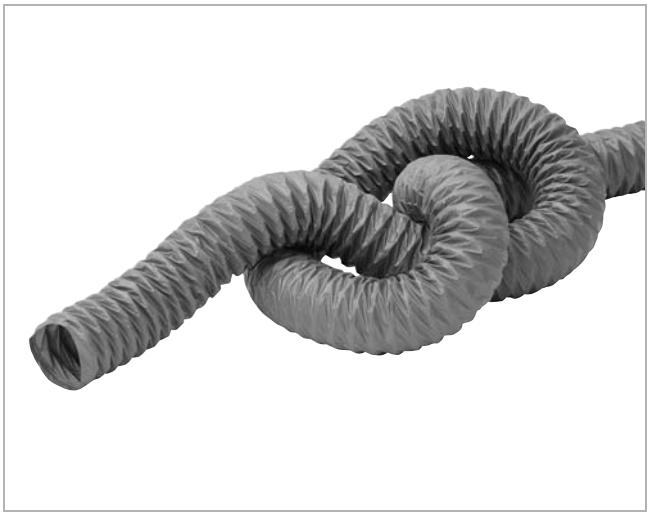
Semiflexible ducts



Flexible ducts 90° bends



Uninsulated flexible duct KFH



Description

PVC coated polyester mesh encapsulating a bronze coated wire helix.

Classifications

Reaction to fire class E according to EN 13501-1

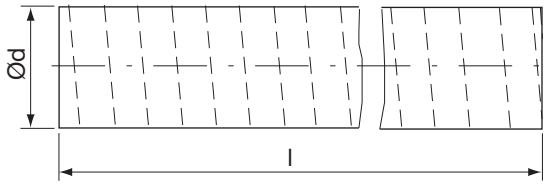
Technical data

Duct materials	Polyester mesh reinforcing coated with fire retardant PVC.
Tolerance range Ød mm.....	Ø 63 – 160 ($^{+1}_{-0}$) Ø 200 – 315 ($^{+4}_{-0}$) Ø 400 ($^{+6}_{-0}$)
Temperature range	-30 to +70 °C
Maximum air velocity	30 m/s
Packing	Individual in net

Ordering example

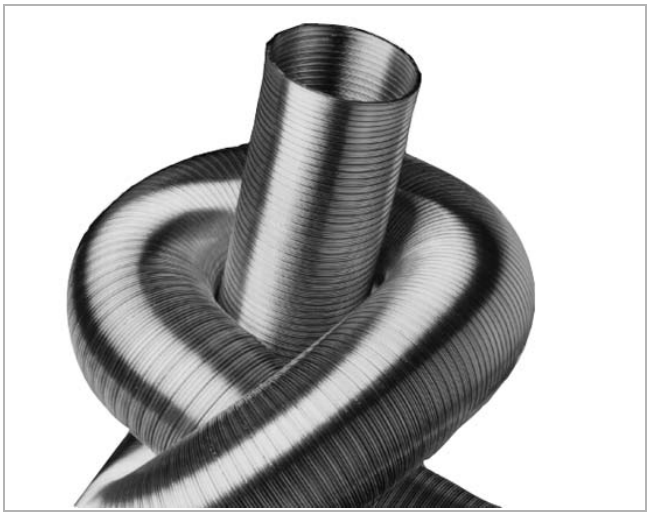
KFH	160	6000	PVC
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	$Ød_i$ Inner mm	$Ød_o$ Outer mm	l [mm]	Max. pressure Pa
63	67	70	6000	+3000
80	84	87	6000	+3000
100	106	109	6000	+3000
125	132	136	6000	+3000
160	167	172	6000	+3000
200	207	214	6000	+3000
250	257	264	6000	+3000
315	323	330	6000	+3000
400	409	418	6000	+3000

Semiflexible duct SRF1C



Description

Single-layer duct wall.

Advantages

- Small storage and transport volume.
- No toxic gases are emitted in case of fire.
- Tested on fire resistance.

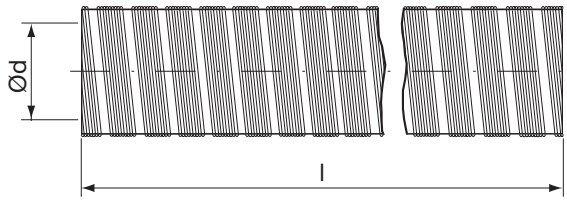
Technical data

Duct material	Aluminium
Minimum bending radius	1×d
Maximum temperature	+200 °C
Fire resistance	Not flammable in accordance with DIN 4102 class A1
Standard length	5 m also available in 3 m

Ordering example

SRF1C	160	5000	A
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm	m kg
80	0,251	0,005	5000	0,67
100	0,314	0,008	5000	0,83
125	0,393	0,012	5000	1,04
140	0,440	0,015	5000	1,17
150	0,471	0,018	5000	1,25
160	0,503	0,020	5000	1,33
180	0,565	0,025	5000	1,79
200	0,628	0,031	5000	1,99
224	0,704	0,039	5000	2,23
250	0,785	0,049	5000	2,49
280	0,880	0,062	5000	2,79
300	0,942	0,071	5000	2,99
315	0,990	0,078	5000	3,14
355	1,12	0,099	5000	3,54
400	1,26	0,126	5000	3,99

Semiflexible duct

SRFV

Description

Single-layer duct wall

Can also be used where a flexible duct of aluminium is not sufficient to meet fire regulations. Ø 80 and 100 mm are usually used in this field of application.

Advantages

- Small storage and transport volume.
- No toxic gases are emitted in case of fire.
- Tested on fire resistance.

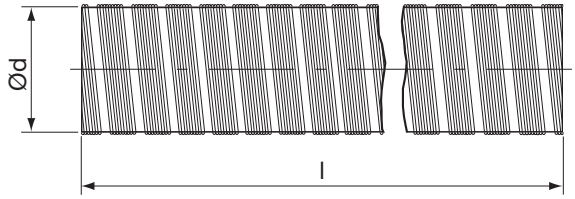
Technical data

Duct material	Galvanized steel sheet
Minimum bending radius	1×d
Maximum temperature	+350 °C
Fire resistance	Not flammable in accordance with DIN 4102 class A1

Ordering example

SRFV	160	5000	GALV
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm	Max. pressure Pa
80	0,251	0,005	5000	+10 000
100	0,314	0,008	5000	+10 000
125	0,393	0,012	5000	+8000
140	0,471	0,018	5000	+8000
150	0,471	0,018	5000	+7000
160	0,503	0,020	5000	+7000
180	0,565	0,025	5000	+7000
200	0,628	0,031	5000	+7000
224	0,704	0,039	5000	+5000
250	0,785	0,049	5000	+5000

Uninsulated flexible duct FLD

Description

Multiple layer product made up of aluminium/PET laminate formed into a flexible duct supported by a bronze coated wire helix.

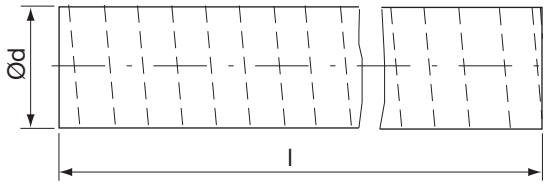
Technical data

Duct materials	Aluminium/PET laminate Fire retardant adhesive Bronze coated bead wire
Temperature range	-30 to +140°C
Maximum air velocity	30 m/s
Packing	Individual box

Ordering example

FLD	162	10000	AP
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm	Max. pressure Pa
80	0,251	0,005	10000	+3000
100	0,320	0,008	10000	+3000
125	0,399	0,013	10000	+3000
150	0,478	0,018	10000	+3000
160	0,509	0,021	10000	+3000
180	0,565	0,025	10000	+3000
200	0,638	0,032	10000	+3000
224	0,707	0,040	10000	+3000
250	0,798	0,051	10000	+3000
315	0,990	0,078	10000	+3000
400	1,28	0,129	10000	+3000

Uninsulated flexible duct FLDD

Description

Multiple layer product made up of aluminium/PET laminate and metalized polyester formed into a flexible duct supported by a bronze coated wire helix plus black PVC outer covering.

Applications

Ideal for low to high pressure air conditioning and ventilation systems.

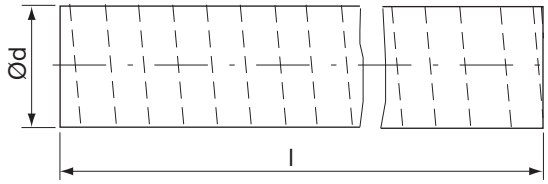
Advantages

- Encapsulated wire helix.
- Smooth inner core.
- Air tight.
- High flexibility.
- Durable materials, resists tearing and puncturing.
- Does not unravel when cut.
- Keeps friction to a minimum.
- Energy efficient.
- Makes for easy installation.
- Maintains shape when extended.

Ordering example

FLDD	160	10000	APPV
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	l [mm]	Max. pressure Pa
80	10 000	+3000
100	10 000	+3000
125	10 000	+3000
133	10 000	+3000
150	10 000	+3000
160	10 000	+3000
180	10 000	+3000
200	10 000	+3000
250	10 000	+3000
315	10 000	+3000
355	10 000	+3000

Technical data

Duct materials	Aluminium/PET laminate – 1 layer Metalized PET – 1 layer 70 micron black PVC DINP – 1 layer Bronze coated bead wire
Temperature range	-30 to +125 °C
Maximum air velocity	30 m/s
Packing	Individual box

Uninsulated aluminium flexible duct

COMDEC

Description

Multiple layer product made up of a PVC coated aluminium into a flexible duct supported by a steel wire helix.

Applications

Suitable for use in general ventilation applications including fresh air intake and exhaust, and kitchen and bathroom.

Technical data

Duct materials	Aluminium PVC Steel wire helix
Temperature range	-30 to +140 °C
Packing	Individual box

Ordering example

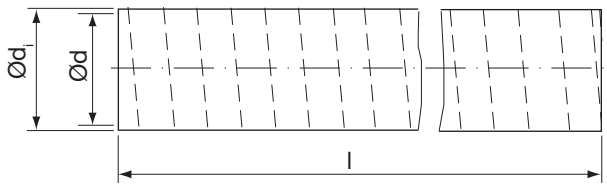
COMDEC 160 10000

Product

Dimension Ød

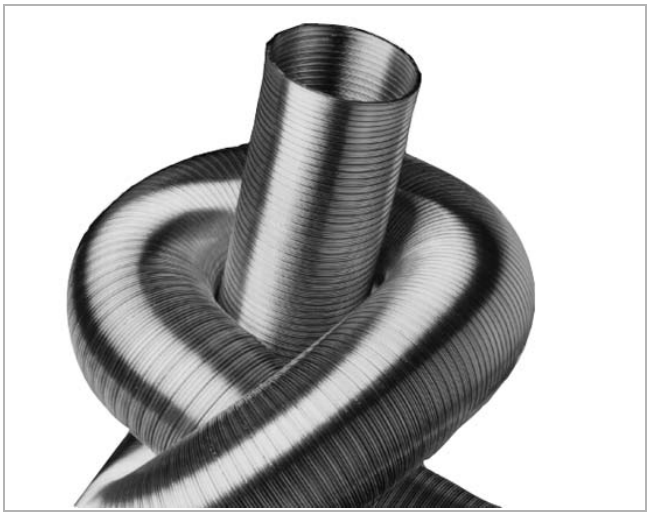
Length l

Dimensions



Ød nom	Ød1 [mm]	O πd m	A πd²/4 m²	l [mm]	m [kg]
63	63	0,198	0,003	5000	0,55
80	82	0,258	0,005	10000	1,60
100	102	0,320	0,008	10000	1,90
125	127	0,399	0,013	10000	2,20
160	160	0,503	0,020	10000	3,00
200	203	0,638	0,032	10000	4,00
250	254	0,798	0,051	10000	5,40
315	318	0,999	0,079	10000	6,00
400	408	1,282	0,131	10000	10,0
500	510	1,602	0,204	10000	12,0

Semiflexible double duct SRFC



Description
Double-layer duct wall.

Applications
Suitable for mechanical air supply systems and air conditioning systems

Advantages
- Small storage and transport volume.

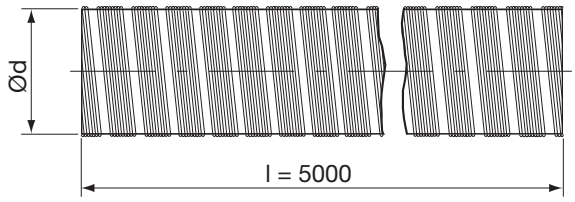
Technical data

Duct material	Aluminium + aluminium (AL)
Minimum bending radius	1×d
Maximum temperature	+200 °C
Fire resistance	Not flammable in accordance with DIN 4102 class A1
Delivery length:	
Ø 63–315	Compressed to 1,2 m
Standard length	5 m

Ordering example

SRFC	160
Product code	
Dimension Ød	

Dimensions



Ød nom	O πd m	A πd²/4 m²	Max. pressure Pa	m kg
63	0,198	0,003	±3150	1,30
80	0,251	0,005	±3150	1,70
100	0,314	0,008	±3150	2,10
125	0,393	0,012	±3150	2,60
140	0,440	0,015	±3150	2,90
150	0,471	0,018	±2500	3,10
160	0,503	0,020	±2500	3,30
180	0,565	0,025	±2500	3,70
200	0,628	0,031	±2500	4,20
224	0,704	0,039	±2500	4,60
250	0,785	0,049	±2000	5,20
280	0,880	0,062	±2000	5,80
300	0,942	0,071	±2000	6,30
315	0,990	0,078	±2000	6,50

Flexible duct

DRATU

Description

Flexible and spiral folded duct for connection of air termimal unit to ventilation system.
The end studs are equipped with male connectors.
Achieves tightness class C.
Available in three nominal lengths, l_{max}: 500, 1000 and 1500 mm.
Is delivered compressed, l_{min}.

The product is type approved according (according to Swedish regulation) to TG 1142:

Reaction to fire, class A1
Tightness class C

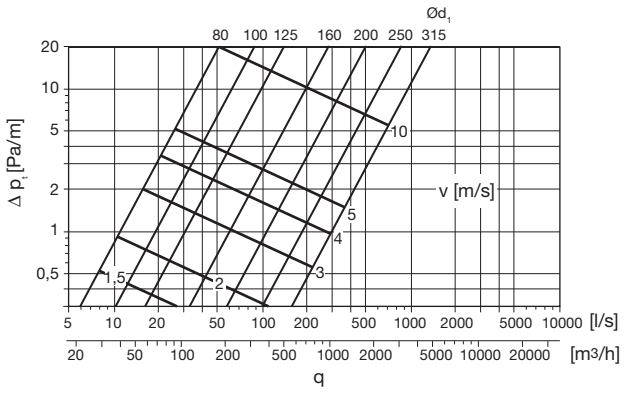
Advantages

- Rapid installation.
- Small storage and transportation volyme.

Technical data

Duct material ..... Aluminium
End stud material ..... Galvanized steel sheet metal
Max. temperature ..... 200 °C

Specific pressure drop, straight duct



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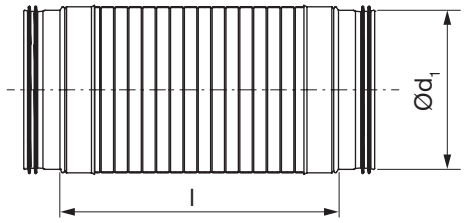
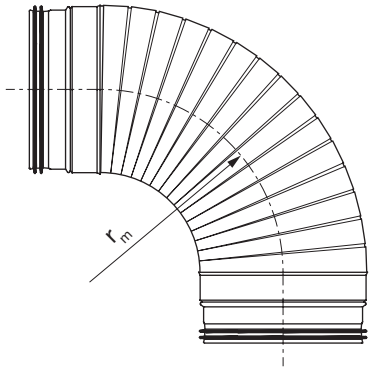




Ød1 nom	lmin mm	lmax mm	rm mm	m kg
80	170	500	88	0,39
80	270	1000	88	0,48
80	460	1500	88	0,61
100	170	500	110	0,50
100	270	1000	110	0,61
100	460	1500	110	0,79
125	170	500	138	0,60
125	270	1000	138	0,76
125	460	1500	138	0,95
160	170	500	176	0,77
160	270	1000	176	1,00
160	460	1500	176	1,24
200	170	500	260	0,96
200	270	1000	260	1,26
200	460	1500	260	1,58
250	180	500	325	1,36
250	280	1000	325	1,68
250	460	1500	325	2,03
315	180	500	408	1,73
315	320	1000	408	2,38
315	460	1500	408	2,67

Ordering example

DRATU	125	500
Product		
Dimension Ød1		
Length lmax		

Flexible duct

DRATMF

Description

Flexible and spiral folded duct for connection of air termimal unit to ventilation system.
The end studs are equipped with female connectors.
Achieves tightness class C.
Available in three nominal lengths, l_{max}: 500, 1000 and 1500 mm.
Is delivered compressed, l_{min}.

The product is type approved according (according to Swedish regulation) to TG 1142:

Reaction to fire, class A1
Tightness class C

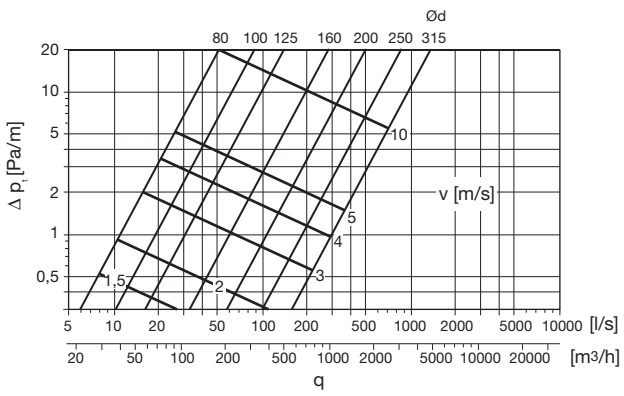
Advantages

- Rapid installation.
- Small storage and transportation volyme.

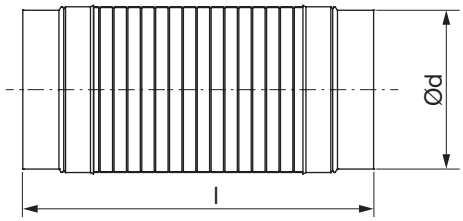
Technical data

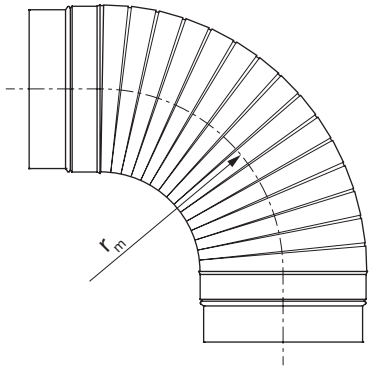
Duct material ..... Aluminium
End stud material ..... Galvanized steel sheet metal
Maximum temperature ..... 200 °C

Specific pressure drop, straight duct



Dimensions





Ød nom	l_{min} mm	l_{max} mm	r_m mm	m kg
80	250	500	88	0,39
80	350	1000	88	0,48
80	550	1500	88	0,61
100	250	500	110	0,50
100	350	1000	110	0,61
100	550	1500	110	0,79
125	250	500	138	0,60
125	350	1000	138	0,76
125	550	1500	138	0,95
160	250	500	176	0,77
160	350	1000	176	1,00
160	550	1500	176	1,24
200	250	500	260	0,96
200	350	1000	260	1,26
200	550	1500	260	1,58
250	280	500	325	1,36
250	380	1000	325	1,68
250	550	1500	325	2,03
315	280	500	408	1,73
315	420	1000	408	2,38
315	550	1500	408	2,67

Ordering example

DRATMF	125	500
Product		
Dimension Ød		
Length l_{max}		

EUROVENT CERTIFIED PERFORMANCE
DUCT-MC
Identification number 17.11.002
www.eurovent-certification.com

Lindab®

Flexible duct

DRATMFU

Description

Flexible and spiral folded duct for connection of air termimal unit to ventilation system.
One end stud is equipped with a male connector, the other with a female.
Achieves tightness class C.
Available in three nominal lengths, l_{max}: 500, 1000 and 1500 mm.
Is delivered compressed, l_{min}.

The product is type approved according (according to Swedish regulation) to TG 1142:

Reaction to fire, class A1
Tightness class C

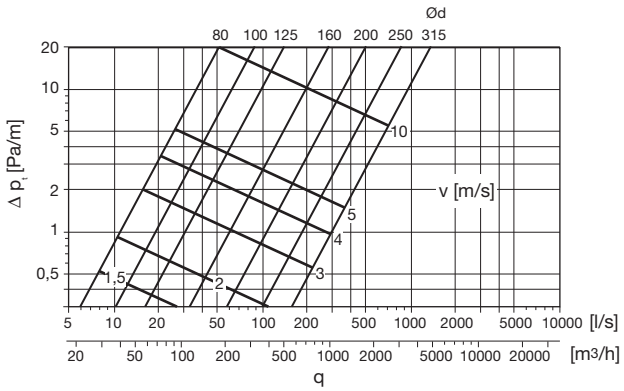
Advantages

- Rapid installation.
- Small storage and transportation volyme.

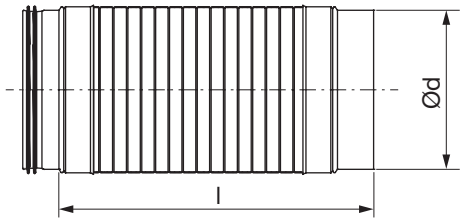
Technical data

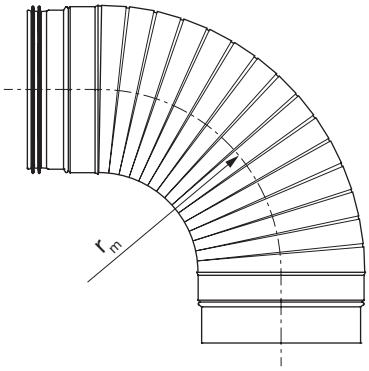
Duct material ..... Aluminium
End stud material ..... Galvanized steel sheet metal
Max. temperature ..... 200 °C

Specific pressure drop, straight duct



Dimensions





Ød nom	l_{min} mm	l_{max} mm	r_m mm	m kg
80	210	500	88	0,39
80	310	1000	88	0,48
80	500	1500	88	0,61
100	210	500	110	0,50
100	310	1000	110	0,61
100	500	1500	110	0,79
125	210	500	138	0,60
125	310	1000	138	0,76
125	500	1500	138	0,95
160	210	500	176	0,77
160	310	1000	176	1,00
160	500	1500	176	1,24
200	210	500	260	0,96
200	310	1000	260	1,26
200	500	1500	260	1,58
250	220	500	325	1,36
250	320	1000	325	1,68
250	500	1500	325	2,03
315	220	500	408	1,73
315	360	1000	408	2,38
315	500	1500	408	2,67

Ordering example

DRATMFU 125 500

Product
Dimension Ød
Length l_{max}

EUROVENT CERTIFIED PERFORMANCE
DUCT-MC
Identification number 17.11.002
www.eurovent-certification.com

Flexible insulated budget light duct FIBLD

Description

Multiple layer inner core insulated with fibreglass, covered by a multiple layer outer jacket.

Technical data

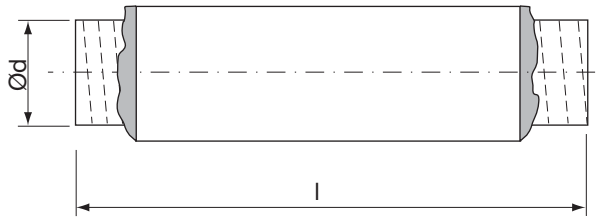
Duct materials:

inner wall (core)	Multiple layers aluminium/ polyester supported by a bronze coated wire helix
insulation	25 mm fibreglass
outer wall (jacket)	Multiple layers aluminium/ polyester
Temperature range	-30 to +125 °C
Standard length	10 m, other lengths on request
Packing	Individual box – 1 m

Ordering example

FIBLD	160	10000	AP
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm	Max. pressure Pa
80	0,251	0,005	10000	+3000
100	0,320	0,008	10000	+3000
125	0,399	0,013	10000	+3000
150	0,478	0,018	10000	+3000
160	0,509	0,015	10000	+3000
180	0,565	0,025	10000	+3000
200	0,638	0,032	10000	+3000
315	0,990	0,078	10000	+3000

Semiflexible insulated double duct

SRFW

Description

Double-layer inner duct wall. The inner duct wall is covered with a fibre glass insulation. The insulation is covered with a double-layer outer duct.

The insulation reduces the heat gain or loss resulting from a temperature difference between the air flowing in the duct and the surrounding air.

The outer duct acts as a vapour barrier to prevent condensation to enter into the insulation. Condensation can occur on the outside of a duct carrying air at lower temperatures than the surrounding air.

Advantages

- Small storage and transport volume.

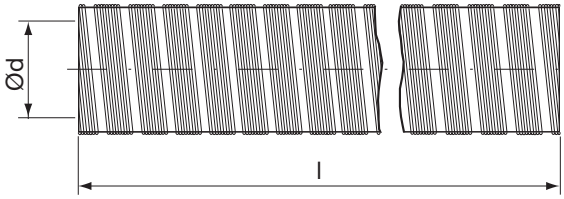
Technical data

Duct materials:	
inner wall	Aluminium (AL+AL)
insulation	Glass wool 25 or 50 mm
outer wall	Aluminium + aluminium
Minimum bending radius	2–3×d
Fire resistance	Not flammable in accordance with DIN 4102 class A1
Standard length	3 m

Ordering example

SRFW	160	3000	50
Product			
Dimension Ød			
Length l			
Thickness			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm
80	0,251	0,005	3000
100	0,314	0,008	3000
125	0,393	0,012	3000
140	0,440	0,015	3000
150	0,471	0,018	3000
160	0,503	0,020	3000
180	0,565	0,025	3000
200	0,628	0,031	3000
224	0,704	0,039	3000
250	0,785	0,049	3000
280	0,880	0,062	3000
300	0,942	0,071	3000
315	0,990	0,078	3000
350	1,12	0,099	3000
400	1,26	0,126	3000

Flexible duct insulation FDFI

Description

Multiple layer Al/PET sleeve encapsulating fiber glass insulation with inner PE sleeve.

Technical data

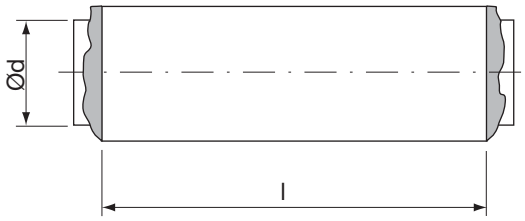
Duct materials:

inner wall (core)	PE
insulation	25 mm fibreglass
outer wall (jacket)	Multiple layers aluminium/ polyester
Temperature range	-30 to +125 °C
Packing	Rolled and strapped

Ordering example

FDFI	160	10000	AP
Product			
	Dimension Ød		
		Length l	
			Material

Dimensions



Ød nom	O πd m	A πd²/4 m²	l [mm]	Max. pressure Pa
80	0,251	0,005	10000	+3000
100	0,320	0,008	10000	+3000
125	0,393	0,012	10000	+3000
160	0,503	0,020	10000	+3000
200	0,628	0,031	10000	+3000
250	0,785	0,049	10000	+3000

Flexible duct insulation FDI

Description

Fibre glass insulation. The insulation is covered with an outer jacket.

Applications

The purpose is to insulate a rigid duct.

The insulation reduces the heat gain or loss resulting from a temperature difference between the air flowing in a duct and the surrounding air.

The outer jacket acts as a vapour barrier to prevent condensation to enter into the insulation. Condensation can occur on the outside of a duct carrying air at lower temperatures than the surrounding air.

Advantages

- Easy assembly, saves installation time.
- Very small storage and transport volume.
- No toxic gases are emitted in case of fire.
- Tested on fire resistance.

Technical data

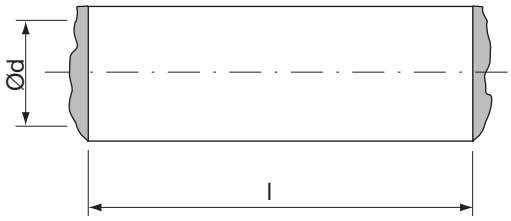
Insulation materials:

insulation	Glass wool 25 mm
outer wall (jacket)	Aluminium-polyester (AP)
Temperature range	-30 to +125 °C
Delivery form	Flattened
Packing	Roll
Standard length	5 m

Ordering example

FDI	160	5000	AP	25
Product				
Dimension Ød				
Length l				
Material				
Thickness				

Dimensions



Ød nom	l mm
100	5000
125	5000
160	5000
200	5000
250	5000
315	5000

Flexible duct silencer AKUCOM

Description

Inner duct wall of flexible, folded and perforated duct. The inner wall is covered with mineral wool insulation. The insulation is covered with an outer jacket.
The insulation reduces the noise passing through the silencer. For best attenuation the silencer shall be pulled out to full length.

Advantages

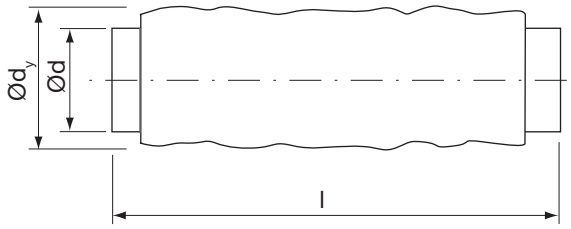
- Small storage and transport volume.
- The ends are equipped with female connectors for simple mounting and tighter connection.
- Saves installation time and material.

Ordering example

AKUCOM 100 1200 25

Product
Dimension Ød
Length l_{max}
Thickness

Dimensions

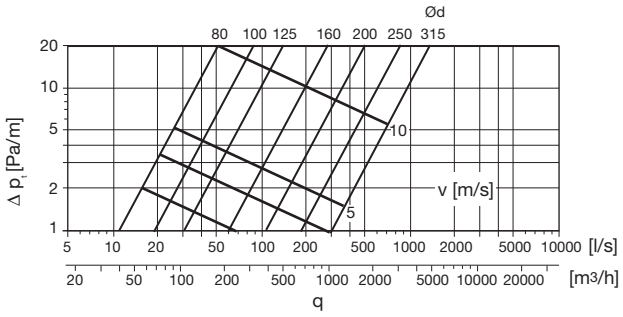


Technical data

Duct material:

inner wall (core)..... Perforated aluminium
insulation..... Mineral wool 25 mm
outer wall (jacket)..... Gray or white polyeten (PE)

Specific pressure drop, straight silencer



Sound attenuation, ΔL, [dB]

According to the EN ISO 7235 method. The silencer fully extended and straight.

Ød nom	l_{min} mm	l_{max} mm	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	$Ød_y$ mm	m kg
80	250	600	20	23	32	33	29	34	16	10	130	0,45
80	550	1200	28	29	40	43	38	42	24	16	130	0,61
100	250	600	22	21	31	27	24	20	9	7	150	0,45
100	550	1200	28	27	35	33	37	42	33	16	150	0,74
125	250	600	22	20	25	22	20	20	10	8	175	0,56
125	550	1200	29	30	34	29	34	40	38	17	175	0,91
160	250	600	21	14	20	19	17	17	8	8	210	0,72
160	550	1200	26	20	30	28	28	37	36	14	210	1,13
200	250	600	15	13	18	13	12	15	7	5	250	0,94
200	550	1200	21	20	30	23	24	35	23	14	250	1,46
250	250	600	20	15	17	12	12	17	7	5	300	1,24
250	550	1200	31	28	22	17	19	21	8	7	300	1,76
315	250	600	18	13	13	8	10	10	5	3	365	1,46
315	550	1200	25	21	18	15	17	17	8	6	365	2,21

Flexible silencer FSA

Description

FSA is a flexible silencer with good sound attenuation. Inner tube is flexible perforated aluminum with Acutec® attenuation material (polyester). Outer tube is made of polyethylene.

Equipped with male connectors with Lindab Safe.

The sound leads through the casing and then attenuation occurs. The bendability of the silencer allows adaption to very confined spaces and difficult wiring. For best attenuation, the silencer must be pulled out to full length. Delivered compressed, l_{min}.

- Effective attenuation
- Attenuation material is Acutec® (Polyester).
- Easy to install

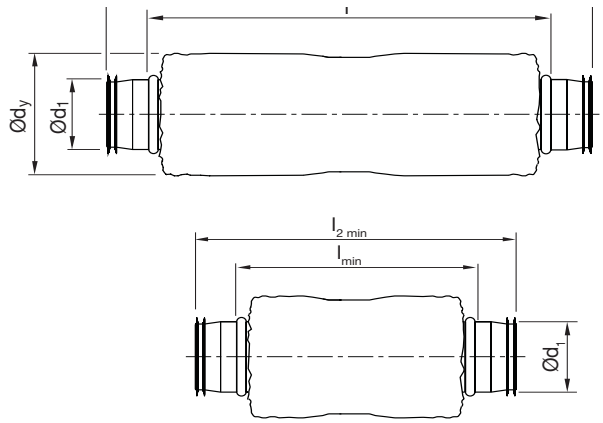
Tightness class C.

Order code

Product	**FSA**	**aaa**	**1100**
FSA			
Connection dim. $Ød_1$			
100 - 315 mm			
Length in mm			
550, 1100 mm			

Example: FSA - 160 - 1100

Dimensions



Ød mm	l mm	$Ød_y$ mm	l_{min} mm	m kg
100	550	180	350	0,60
125	550	190	350	0,70
160	550	220	350	0,90
200	550	260	350	1,10
250	550	315	400	1,40
315	550	380	400	1,70

Ød mm	l mm	$Ød_y$ mm	l_{min} mm	m kg
100	1100	180	550	1,00
125	1100	190	550	1,10
160	1100	220	550	1,30
200	1100	260	550	1,70
250	1100	315	590	2,20
315	1100	380	590	2,60

Insertion loss

l = 550

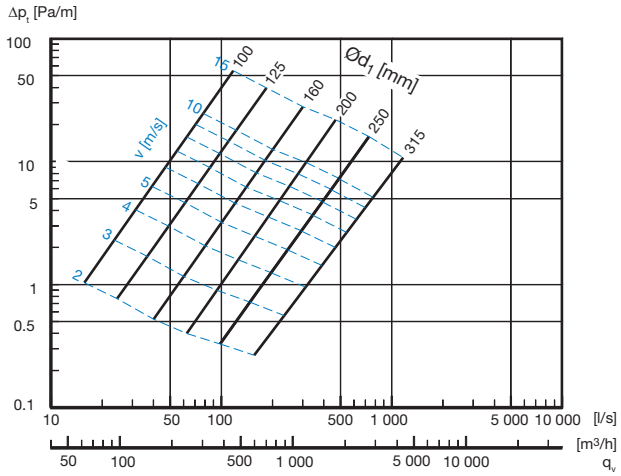
$Ød_1$ mm	Insertion loss [dB] for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	19	23	18	16	12	11	6	2
125	19	19	15	12	10	8	4	2
160	18	17	14	9	7	5	3	2
200	18	16	6	6	6	4	3	2
250	14	11	6	3	5	4	3	2
315	12	11	4	3	3	3	2	2

l = 1100

$Ød_1$ mm	Insertion loss [dB] for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	29	38	38	29	22	22	14	10
125	29	34	35	25	19	19	8	7
160	28	33	29	21	15	14	8	5
200	28	31	21	17	13	10	7	4
250	23	25	20	14	10	9	6	4
315	21	25	16	11	8	7	4	3

Flexible silencer FSA

Technical data



Flexible silencer

FSAFU

Description

FSAFU is a flexible silencer with good sound attenuation. Inner tube is flexible perforated aluminum with Acutec® attenuation material (polyester). Outer tube is made of polyethylene.

Equipped with one female connector and one male connector with Lindab Safe.

The sound leads through the casing and then attenuation occurs. The bendability of the silencer allows adaption to very confined spaces and difficult wiring. For best attenuation, the silencer must be pulled out to full length.

Delivered compressed, l_{min}.

- Effective attenuation
- Attenuation material is Acutec® (Polyester).
- Easy to install

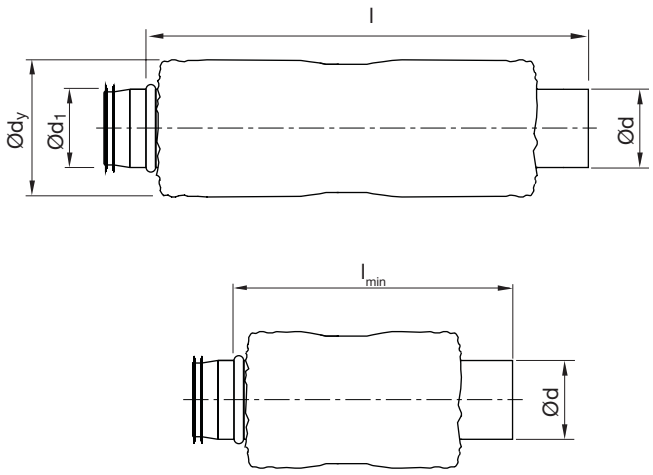
Tightness class C.

Order code

Product	**FSAFU**	**aaa**	**1100**
FSAFU			
Connection dim. $Ød_1$			
100 - 315 mm			
Length in mm			
1100 mm			

Example: FSAFU - 160 - 1100

Dimensions

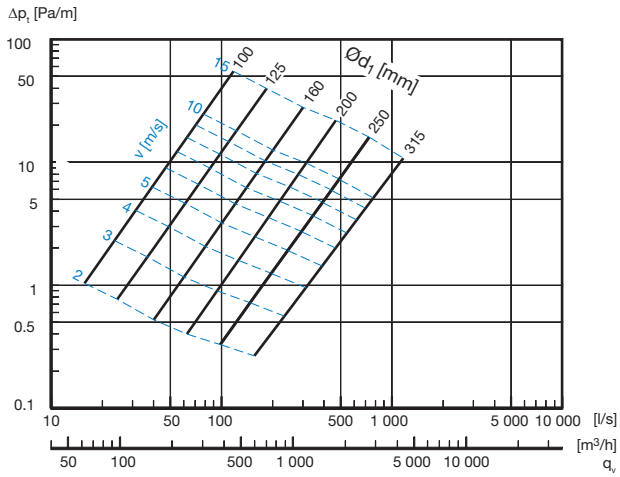


Ød mm	l mm	$Ød_y$ mm	l_{min} mm	m kg
100	1120	180	550	1,00
125	1120	190	550	1,10
160	1120	220	550	1,30
200	1120	260	550	1,70
250	1140	315	590	2,20
315	1140	380	590	2,60

Insertion loss

$Ød_1$ mm	Insertion loss [dB] for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	29	38	38	29	22	22	14	10
125	29	34	35	25	19	19	8	7
160	28	33	29	21	15	14	8	5
200	28	31	21	17	13	10	7	4
250	23	25	20	14	10	9	6	4
315	21	25	16	11	8	7	4	3

Technical data



Flexible budget light duct silencer FBLDFSL

Description

Multiple layer acoustically perforated inner core covered with a PE sleeve, insulated with fibreglass, covered by a multiple layer outer jacket.

Applications

Ideal for low, medium and high pressure heating, air conditioning and ventilation systems.

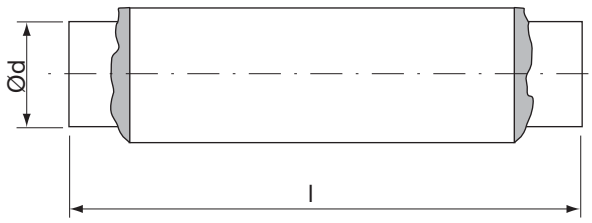
Advantages

- Encapsulated wire helix.
- Smooth inner core.
- Air tight.
- High flexibility.
- Durable materials.
- Does not unravel when cut.
- Keeps friction to a minimum.
- Energy efficient.
- Makes for easy installation.
- Resists tearing and puncturing.

Ordering example

FBLDFSL	160	10000	AP
Product			
Dimension Ød			
Length l			
Material			

Dimensions



Ød nom	O πd m	A πd²/4 m²	l mm	Max. pressure Pa
80	0,258	0,005	10000	+3000
100	0,320	0,008	10000	+3000
125	0,399	0,013	10000	+3000
150	0,478	0,018	10000	+3000
160	0,503	0,020	10000	+3000
180	0,565	0,025	10000	+3000
200	0,638	0,032	10000	+3000
224	0,719	0,041	10000	+3000
250	0,798	0,051	10000	+3000
315	0,990	0,078	10000	+3000
355	1,118	0,100	10000	+3000

Technical data

Duct materials:

inner wall (core)	Multiple layers aluminium/ polyester supported by a bronze coated wire helix
insulation	25 mm fibreglass
outer wall (jacket)	Multiple layers aluminium/ polyester
Temperature range.....	-30 to +125 °C

Semiflexible double duct silencer SLFA 25

Description

SLFA 25 is a flexible silencer that can be adapted to any installation situation. The bendability of the silencer allows adaptation to very confined spaces and difficult wiring.
Silencers are made from 2-layer, flexible aluminum tubes of type SRF. The inner tube is micro-perforated and between the inner and outer tubes is a 25 mm thick attenuation material layer of glass wool.
The ends of the silencer are covered with aluminium gables. The duct connections fits inside ducts.
SLFA 25 comes in the dimensions Ø80-315 mm and 1000 mm in length.
(Also available in lengths of 750, 1250, 1500 and 2000 mm).
The silencers can withstand temperatures up to 200 ºC.

Advantages

- Small storage and transport volume.

Technical data

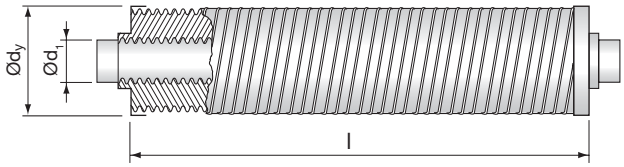
Duct materials:

Inner wall:	Aluminium + aluminium (AL)
Insulation:	Glass wool 25 mm
Outer wall:	Aluminium + aluminium
Minimum bending radius:	2–3×d
Maximum temperature:	+200 ºC
Fire resistance:	Not flammable in accordance with DIN 4102 class A1

Product	**SLFA**	**aaa**	**bbbb**	**25**
SLFA				
Connection dim. $Ød_{1\ nom}$				
80 - 315 mm				
Length in mm				
750 - 2000 mm				
Insulation thickness				
25 mm				

Example: SLFA - 160 - 1250 - 25

Dimensions and sound data



$Ød_1$ nom mm	l mm	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	$Ød_y$ mm	m kg
80	750									135	
80	1000	2	6	10	20	38	58	33	28	135	0,80
80	1250									135	
80	1500									135	
80	2000									135	
100	750									160	
100	1000	1	5	8	18	35	58	33	27	160	1,00
100	1250									160	
100	1500									160	
100	2000									160	
125	750									190	
125	1000	1	5	8	18	35	58	33	27	190	1,20
125	1250									190	
125	1500									190	
125	2000									190	
160	750									210	
160	1000	1	2	4	10	23	43	18	14	210	1,40
160	1250									210	
160	1500									210	
160	2000									210	
200	750									260	
200	1000	2	2	4	9	20	27	13	11	260	1,80
200	1250									260	
200	1500									260	
200	2000									260	
250	750									310	
250	1000	1	2	4	9	18	19	9	9	310	2,20
250	1250									310	
250	1500									310	
250	2000									310	
315	750									365	
315	1000	1	2	3	5	11	13	7	8	365	2,80
315	1250									365	
315	1500									365	
315	2000									365	

Semiflexible double duct silencer SLFA 50

Description

SLFA 50 is a flexible silencer that can be adapted to any installation situation. The bendability of the silencer allows adaptation to very confined spaces and difficult wiring.
Silencers are made from 2-layer, flexible aluminium tubes of type SRF. The inner tube is micro-perforated and between the inner and outer tubes is a 50 mm thick attenuation material layer of glass wool.
The ends of the silencer are covered with aluminium gables. The duct connections fits inside ducts.
SLFA 50 comes in the dimensions Ø80-315 mm and 1000 mm in length.
(Also available in lengths of 750, 1250, 1500 and 2000 mm).
The silencers can withstand temperatures up to 200 ºC.

Advantages

- Small storage and transport volume.

Technical data

Duct materials:

Inner wall:	Aluminium + aluminium (AL)
Insulation:	Glass wool 50 mm
Outer wall:	Aluminium + aluminium
Minimum bending radius:	2–3×d
Maximum temperature:	+200 ºC
Fire resistance:	Not flammable in accordance with DIN 4102 class A1

Product **SLFA** **aaa** **bbbb** **50**

SLFA

Connection dim. Ød$_{1\ nom}$

80 - 315 mm

Length in mm

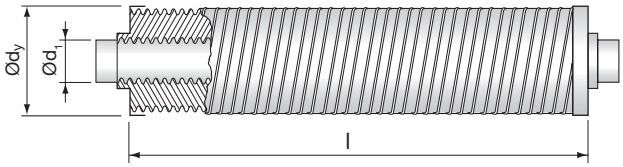
750 - 2000 mm

Insulation thickness

50 mm

Example: SLFA - 160 - 1250 - 50

Dimensions and sound data



Ød$_1$ nom mm	l mm	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	Ød$_y$ mm	m kg
80	750									190	
80	1000	3	13	19	30	47	58	33	28	190	1,10
80	1250									190	
80	1500									190	
80	2000									190	
100	750									210	
100	1000	2	11	16	28	46	58	36	36	210	1,30
100	1250									210	
100	1500									210	
100	2000									210	
125	750									235	
125	1000	1	7	13	24	41	45	29	28	235	1,70
125	1250									235	
125	1500									235	
125	2000									235	
160	750									260	
160	1000	1	5	10	21	39	30	20	18	260	1,90
160	1250									260	
160	1500									260	
160	2000									260	
200	750									310	
200	1000	3	4	9	16	32	22	15	15	310	2,40
200	1250									310	
200	1500									310	
200	2000									310	
250	750									365	
250	1000	2	4	8	16	33	15	11	12	365	3,00
250	1250									365	
250	1500									365	
250	2000									365	
315	750									410	
315	1000	2	3	6	12	25	11	8	11	410	3,40
315	1250									410	
315	1500									410	
315	2000									410	

Flexible duct clamp MDC

Description

A metal clamp for all types of flexible ducting. The clamp consists of the band FDB and the flip-up band lock FDBL.

This system allows an easy and quick application thanks to the automatic locking that forms the right diameter of the duct.

Advantages

- Labour saving.
- The band has lifted edges to avoid damage to the ducting.

Technical data

Band width	9 mm
Band and lock material	Stainless steel AISI 430
Screw material	Galvanized steel
Screw head	Hex Head 7 mm A/F

Dimensions

Ød nom
60 – 110
60 – 135
60 – 165
60 – 215
60 – 270
60 – 325
60 – 425

Ordering example

MDCt	135	SS
Product		
Dimension Ød		
Material		

Flexible duct band/band lock FDB/FDBL

Description

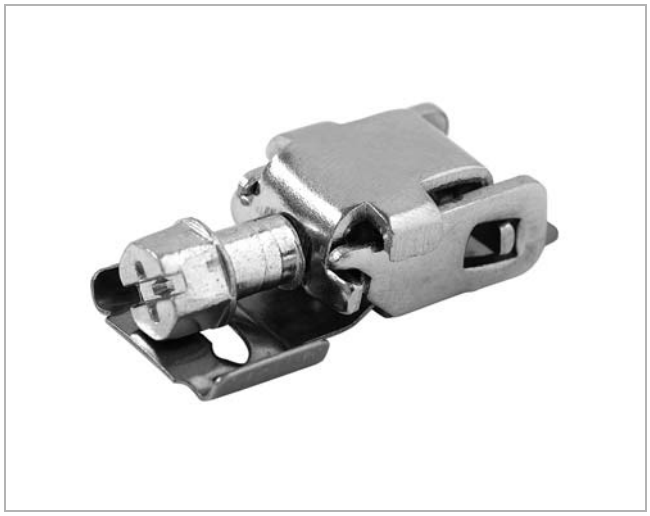
A metal band for all types of flexible ducting. The band lock FDBL fits this band.

Advantages

- The band has lifted edges to avoid damage to the ducting.
- Just cut to adequate length to fit any diameter.

Technical data

Diameter range	Any
Band width	9 mm
Band material	Stainless (SS) steel AISI 430
Band length	30 m

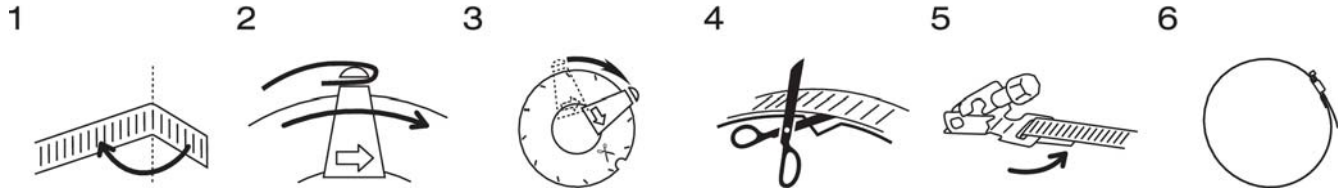


Description

A flip-up lock for the flexible duct band FDB.

Technical data

Lock material	Stainless (SS) steel UNI X 8 CR17 - DIN 14010 (W2) - AISI 430
Screw material	Galvanized steel
Screw head	Hex Head 7 mm A/F
Packing	Box of 50 pieces



Ordering example

FDB	30 000	SS
Product	Length	Material

Ordering example

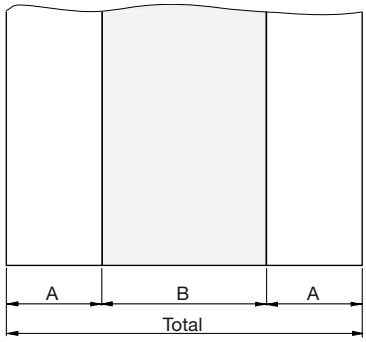
FDBL	SS
Product	Material

Flexible duct connection FVA

Description

Flexible duct connector minimize sound and vibrations between the air handling unit / fan and the ductwork and fits both rectangular and circular applications.

Dimensions



Length	Width in mm			Material
m	A	B	Total	
25	35	60	130	SI
25	45	75	165	SI
25	70	100	240	SI
25	35	60	130	NEO
25	45	75	165	NEO
25	70	100	240	NEO
25	35	60	130	PU
25	45	75	165	PU
25	70	100	240	PU
25	35	60	130	PVC
25	45	75	165	PVC
25	70	100	240	PVC

Ordering example

FVA	25	70	100	PU
Product				
Length				
Width A				
Width B				
Material				

Flexible duct connection FVA

Specifications

Technical specification		PVC	SI	NEO	PU
Material	Coating	PVC	Silicone	Polychloroprene (Neoprene)	Polyurethane
	Cloth	Polyester	Fiberglass	Fiberglass	Fiberglass
Coating		Both sides	Both sides	Both sides	Both sides
Weight		600 gr/sq m	520 gr/sq m	720 gr/sq m	460 gr/sq m
Colour		Black	Grey	Black	Grey
Temperature range		-20 to +70	-40 to +260	-20 to +100	-30 to +120
Resistance	Acids	Very good	Good	Good	Very good
	Oils	Good	Poor	Poor	Good
	Solvents	Fair	Good	Good	Fair
	Greases	Good	Poor	Poor	Good
	Ozon	Very good	Very good		
	UV	Very good	Very good		
	Alogen	Very good	Poor		
Caractheristics		Excellent mechanical resistance	Excellent high temperature resistance	Excellent mechanical resistance	Very good temperature resistance
		Excellent tear and rensile strenght	Very good low temperature resistance	General purpose fabric	
		All purpose	Very low smoke emission	Very good chemical resistance	
		Flame retardant	Very good chemical resistance		
		Excellent water resistance	Excellent ozone and weathering resistance		
Standards		UL classified - NFPA 701	UL tested - NFPA 701	Hardly flammable - UL Classified - NFPA 701	Very good temperature resistance.
					M0-400C/2h classified