

**we deliver fresh air**



## Flexible Air Ducts & Accessories



**we deliver fresh air**



Class B - s1, d0  
(EN 13501-1)  
&  
M1

## ALUAFS.70

Duct Construction	: 3 ply aluminium 2 ply polyester
Nominal Thickness	: 70 micron
Diameter Range ( $\varnothing$ )	: 52 mm - 800 mm
Wire Spacing	: 35 mm ( $\varnothing \geq 127$ mm)
Operating Temperature Range	: -30 °C / +150 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Reaction to Fire	: Difficult to ignite
Certificates	: M1 (France)

Class 0  
(BS 476:Part 6&7)

Class B - s1, d0  
(EN 13501-1)

EN ISO 11925-2

single flame source test report

EN ISO 13823

single burning item test report



Classified and certified according to EN 13180.  
All technical details are for information only. All information and technical data in this leaflet is subject to change without prior notice. Based on these, permissible length tolerance is (-)8% for stated length (measured after fully stretched according to EN 13180).



## ALUAFS.F

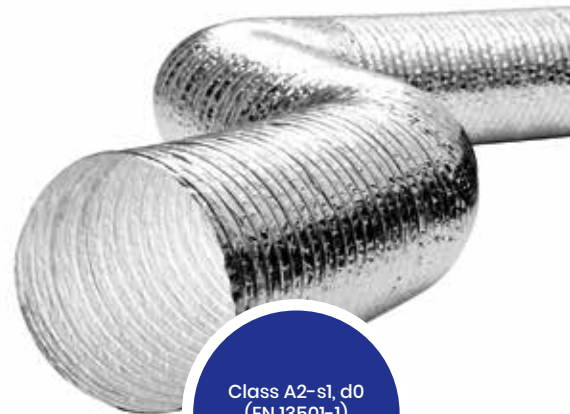
Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness of Inner Duct	: 74 micron
Diameter Range (∅)	: 82 mm – 800 mm
Wire Spacing	: 35 mm (∅ ≥ 127 mm)
Operating Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Reaction to Fire	: Limited combustibility
Certificates	: M0 (France) Class A2-s1, d0 (EN 13501-1) EN ISO 1716 gross calorific value test report EN 13823 single burning item test report



Class A2-s1, d0  
(EN 13501-1)  
& M0

## ALUAFS.F FORTE

Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness	: 74 micron
Diameter Range (∅)	: 82 mm – 800 mm
Wire Spacing	: 18 mm (∅ ≥ 102 mm)
Operating Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Reaction to Fire	: Limited combustibility
Advantages	: Very low pressure loss Minimum sag High Durability
Certificates	: M0 (France) Class A2-s1, d0 (EN 13501-1) EN ISO 1716 gross calorific value test report EN 13823 single burning item test report



Class A2-s1, d0  
(EN 13501-1)  
& M0





## ISOAFS-ALU.70

Inner Duct Construction	: 3 ply aluminium 2 ply polyester
Nominal Thickness of Inner Duct	: 70 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +150 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Reaction to Fire	: Difficult to ignite
Available Options Upon Request	: Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m <sup>3</sup> Glass wool insulation
Certificates	: M1 (France)



## ISOAFS-ALU.F

Inner Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness of Inner Duct	: 74 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Reaction to Fire	: Difficult to ignite
Available Options Upon Request	: Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m <sup>3</sup> Glass wool insulation
Certificates	: M0 + M1 (France) Class 0 (Italy) EN ISO 1716 (Inner Duct) gross calorific value test report

## SONOAFS-ALU.70

Inner Duct Construction	: 3 ply aluminium 2 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 70 micron	
Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>	
Diameter Range (Ø)	: 52 - 800 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Single cardboard box	
Reaction to Fire	: Difficult to ignite	
Available Options Upon Request	: Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m <sup>3</sup> Glass wool insulation PE barrier between duct and glass wool	
Certificates	: M1 (France)	

## SONOAFS-ALU.F

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>	
Diameter Range (Ø)	: 82 - 800 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +250 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Single cardboard box	
Reaction to Fire	: Difficult to ignite	
Available Options Upon Request	: Customized lengths Private labeling White polyester insulation & PE jacket 40 & 50 mm Glass wool insulation 24 kg/m <sup>3</sup> Glass wool insulation PE barrier between duct and glass wool	
Certificates	: M0 + M1 (France) EN ISO 1716 (Inner Duct) gross calorific value test report	





## ISOAFS-ALU.F PLUS

Inner Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness of Inner Duct	: 74 micron
Jacket Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness of Jacket	: 74 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (∅)	: 82 - 508 mm
Wire Spacing	: 35 mm (∅ ≥ 127 mm)
Operating Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 5 m
Packing	: Special design cardboard box
Reaction to Fire	: Limited combustibility
Certificates	: M0 + M0 (France)



## SONOAFS-ALU.F PLUS

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Jacket Construction	: 3 ply aluminium 1 ply polyester	
Nominal Thickness of Jacket	: 74 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>	
Diameter Range (∅)	: 82 - 508 mm	
Wire Spacing	: 35 mm (∅ ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +250 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 5 m	
Packing	: Special design cardboard box	
Reaction to Fire	: Limited combustibility	
Certificates	: M0 + M0 (France)	

## SONOAFS-ALU.F.W

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Unit Weight	: Polyester fiber - 25 mm - 225 g/m <sup>2</sup>	
Diameter Range (Ø)	: 82 - 800 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +120 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Single cardboard box	
Certificates	: Inner core : M0 (France) Sleeve : M1 (France)	

## SONOAFS-NW.W

Inner Duct Construction	: 1 ply non-woven fabric
Nominal Thickness of Inner Duct	: 600 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Unit Weight	: Polyester fiber - 25 mm - 225 g/m <sup>2</sup>
Diameter Range (Ø)	: 52 - 560 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -20 °C / +120 °C
Air Velocity	: 20 m/s
Operating Pressure	: 1500 Pa
Standard Length	: 6 m
Packing	: Single cardboard box
Certificates	: M1 (France)



M0  
+ M1



M1





Class B - s1, d0  
(EN 13501-1)

**+ M1**

## ISOAFS-ALU.70 ECOSOFT

Inner Duct Construction	: 3 ply aluminium 2 ply polyester
Nominal Thickness of Inner Duct	: 70 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +150 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Special design cardboard box
Reaction to Fire	: Difficult to ignite
Certificates	: M1 (France) Class B - s1, d0 (EN 13501-1)

**ecoSOFT**  
Naturally Different



\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



**M0  
+ M1**

## ISOAFS-ALU.F ECOSOFT

Inner Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness of Inner Duct	: 74 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Special design cardboard box
Reaction to Fire	: Difficult to ignite
Certificates	: M0 + M1 (France)

**ecoSOFT**  
Naturally Different



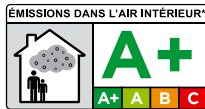
\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



## SONOAFS-ALU.70 ECOSOFT

Inner Duct Construction	: 3 ply aluminium 2 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 70 micron	
Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>	
Diameter Range (Ø)	: 52 - 800 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Special design cardboard box	
Reaction to Fire	: Difficult to ignite	
Certificates	: M1 (France) Class B - s1, d0 (EN 13501-1)	

**ECOSOFT**  
Naturally Different



\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

## SONOAFS-ALU.F ECOSOFT

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>	
Diameter Range (Ø)	: 82 - 800 mm	
Wire Spacing	: 35 mm (Ø ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +250 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Special design cardboard box	
Reaction to Fire	: Difficult to ignite	
Certificates	: M0 + M1 (France)	

**ECOSOFT**  
Naturally Different



\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)



“marine certified”



## ALUAFS.F MARINE

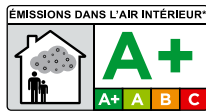
Duct Construction	: 3 ply aluminium 1 ply polyester
Nominal Thickness	: 74 micron
Diameter Range (∅)	: 82 - 800 mm (Oversize is available)
Wire Spacing	: 35 mm (∅ ≥ 127 mm)
Temperature Range	: -30 °C / +250 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Individual cardboard box Single cardboard box
Reaction to Fire	: Limited combustibility
Certificates	: M0 (France) [CSTB]



164.112/1121/EWC MED0492

## SONOAFS-ALU.FB ECOSOFT MARINE

Inner Duct Construction	: 3 ply aluminium 1 ply polyester	] Perforated
Nominal Thickness of Inner Duct	: 74 micron	
Barrier Construction	: 1 ply polyethylene	
Barrier Thickness	: 12 micron	
Outer Jacket Construction	: 1 ply aluminium 2 ply polyester	
Nominal Thickness of Jacket	: 45 micron	
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup> Glass wool - 50 mm - 16 kg/m <sup>3</sup>	
Diameter Range (∅)	: 82 - 800 mm (Oversize is available)	
Wire Spacing	: 35 mm (∅ ≥ 127 mm)	
Operating Temperature Range	: -30 °C / +150 °C	
Air Velocity	: 30 m/s (max)	
Operating Pressure	: +3000 Pa (max)	
Standard Length	: 10 m	
Packing	: Special cardboard box	
Reaction to Fire	: Difficult to ignite	
Certificates	: M0 + M1 (France)	



\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

164.112/1121/EWC MED0494

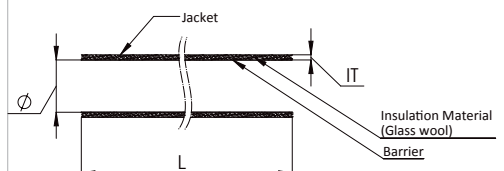
## SLEEVEAFS.B ECOSOFT MARINE

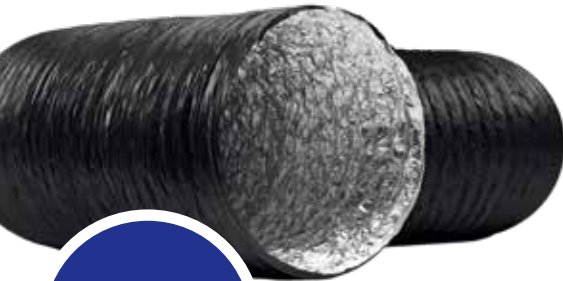
Diameter Range (∅)	: 82 - 508 mm
Standard Length	: 10 m
Barrier type	: polyethylene
Barrier Thickness	: 12 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Jacket Thickness	: 45 micron
Temperature Range	: -30 °C / +90 °C
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>



\*Information on the emission level of volatile substances into indoor air, presenting a risk of toxicity by inhalation, on a scale ranging from A+ (very low emissions) to C (high emissions)

164.112/1121/EWC MED0493





## COMBIAFS


Duct Construction	: 3 ply aluminium 2 ply polyester 1 ply PVC (16P Free - According to REACH regulation)
Nominal Thickness	: 150 micron
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +150 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Special cardboard box
Reaction to Fire	: Fire retardant
Available Options Upon Request	: Customized lengths Private labeling Grey color White color
Certificates	: Class 0 ( BS 476 part 6&7)

Class 0  
( BS 476 part 6&7)





## COMBIAFS FORTE

Duct Construction	: 3 ply aluminium 2 ply polyester 1 ply PVC (16P Free - According to REACH regulation)
Nominal Thickness	: 150 micron
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 18 mm (Ø ≥ 102 mm)
Operating Temperature Range	: -30 °C / +150 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Special cardboard box
Reaction to Fire	: Fire retardant
Available Options Upon Request	: Customized lengths Private labeling Grey color
Advantages	: Low pressure loss Minimum sag High Durability
Certificates	: 



## COMBIAFS-S

Duct Construction	: 1 ply aluminium 1 ply polyester 1 ply PVC
Nominal Thickness	: 110 micron
Diameter Range (Ø)	: 82 - 508 mm
Wire Spacing	: 30 mm (Ø ≥ 82 mm) 40 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +120 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Available Options Upon Request	: Customized lengths Grey color
Certificates	: Class 0 (BS 476:Part 6&7)



Class 0  
(BS 476: Part 6&7)



## HYDROPONIC ALUAFS SHINE

Duct Construction	: 1 ply Al + 2 ply Poly [1 ply Al + 1 ply Poly + black dye + 1 ply Poly (Outer to Inner)]
Nominal Thickness	: 45 micron
Diameter Range (∅)	: 102 - 356 mm
Wire Spacing	: 40 mm (≥ ∅ 127 mm)
Color	: Aluminium (Outer Face) - Black (Inner Face)
Operating Temperature Range	: -30 °C / +120 °C
Air Velocity	: 30 m/s (max.)
Operating Pressure	: +3000 Pa (max.)
Standard Length	: 5 m / 10 m
Packing	: Single Box : Ventilation heating and cooling Hydroponic ventilation
Application Areas	: Low and medium pressure applications



## HYDROPONIC COMBIAFS.S WHITE

Duct Construction	: 1 ply Al + 2 ply Poly + 1 ply PVC (70μ)
Nominal Thickness	: 115 micron
Diameter Range (∅)	: 102 - 508 mm
Wire Spacing	: 40 mm (≥ ∅ 127 mm)
Color	: White (Outer Face) Black (Inner Face)
Operating Temperature Range	: -30°C / +120°C
Air Velocity	: 30 m/s (max.)
Operating Pressure	: +3000 Pa (max.)
Standard Length	: 10 m
Packing	: Single Box
Application Areas	: Ventilation heating and cooling Hydroponic ventilation Low and medium pressure applications Applications where mechanical strength against exterior influences is required





## HYDROPONIC COMBIAFS.S BLACK



Duct Construction	: 1 ply Al + 2 ply Poly + 1 ply PVC (80 μ)
Nominal Thickness	: 115 micron
Diameter Range (Ø)	: 102 - 356 mm
Wire Spacing	: 40 mm (≥ Ø 127 mm)
Color	: Black (Outer Face) Black (Inner Face)
Operating Temperature Range	: -30°C / +120°C
Air Velocity	: 30 m/s (max.)
Operating Pressure	: +3000 Pa (max.)
Standard Length	: 5 m (Standard 6 m Box) 10 m (Standard Combi Box)
Packing	: Single Box
Application Areas	: Ventilation heating and cooling Low and medium pressure applications Applications where mechanical strength against exterior influences is required



## PVCAFS

Duct Construction	: 1 ply PVC coated polyester fabric
Nominal Thickness	: 220 micron
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 55 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 6 m
Packing	: Single cardboard box
Available Options Upon Request	: Insulated type Rectangular type Customized lengths Bulk packing

Certificates	:  DIN 4102-B2 (Raw material)
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## PVCAFS HEAVY

Duct Construction	: 1 ply PVC coated fabric (16P Free - According to REACH regulation )
Nominal Thickness	: 220 micron
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 20 mm (Ø ≥ 68 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 6 m
Packing	: Single cardboard box

Advantages	: Suitable for negative pressure applications.
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Certificates	:  DIN 4102-B2 (Raw material)
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## PVCAFS.M1

Duct Construction	: PVC coated polyester mesh fabric (16P Free - According to REACH regulation)
Nominal Thickness	: 330 micron
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 55 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 6 m
Packing	: Special design cardboard box
Available Options Upon Request	: Insulated type Rectangular type Customized lengths Bulk packing

Certificates : MI (France)



## PEAFS

Duct Construction	: 1 ply PE
Nominal Thickness	: 100 micron
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 55 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box

## ISOAFS PE

Inner Duct Construction	: 1 ply PE
Nominal Thickness of Inner Duct	: 100 micron
Jacket Construction	: 1 ply PE
Nominal Thickness of Jacket	: 100 micron
Insulation - Thickness - Density	: Yellow glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 55 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box



## ISOAFS PE.W

Inner Duct Construction	: 1 ply PE
Nominal Thickness of Inner Duct	: 100 micron
Jacket Construction	: 1 ply PE
Nominal Thickness of Jacket	: 100 micron
Insulation - Thickness - Unit Weight	: Polyester Fiber-25 mm - 225 g/m <sup>3</sup>
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 55 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +70 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box



## VINYLAFS



Duct Construction	: 1 ply PVC (16P Free - According to reach regulation)
Nominal Thickness	: 60 micron
Diameter Range (Ø)	: 82 - 203 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Temperature Range	: -20 °C / +70 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: 1500 Pa (max)
Standard Length	: 6 m
Packing	: Special design cardboard box
Reaction to Fire	: Fire retardant
Available Options Upon Request	: White and black color options Rectangular type Customized lengths Plastic bag packing Bulk packing Shrink packing Net packing KIT applications

Certificates



## ISOAFS-VINYL



Inner Duct Construction	: 1 ply PVC (16P Free - According to reach regulation)
Nominal Thickness of Inner Duct	: 60 micron
Jacket Construction	: 1 ply PE
Nominal Thickness of Jacket	: 50 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 14 kg/m <sup>3</sup>
Diameter Range (Ø)	: 82-203 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -20 °C / +70 °C
Air Velocity	: 20 m/s (max)
Operating Pressure	: 1500 Pa (max)
Standard Length	: 6 m
Packing	: Net packing
Available Options Upon Request	: Customized lengths White PVC color White polyester insulation 40 & 50 mm Glass wool Insulation Net packing

Certificates





## flexible air ducts & accessories

### ISOAFS-ALU UL

Inner Core	: 2 ply polyester film + 1 ply aluminium film Encapsulated zinc coated steel wire helix
Vapor Barrier	: Fiberglass reinforced multilayer aluminium / polyester
Nominal Diameter (Inches)	: 2" / 2,6" / 3,2" / 4" / 5" / 6" / 7" / 8" / 9" / 10" / 12" / 14" / 16" / 18"
Wire Spacing	: 40 mm ( $\phi \geq 127$ mm)
Operating Temperature Range	: -18 °C / +130 °C (0 °F / 265 °F)
Insulation - Thickness - Density	: Ecosoft, formaldehyde free - 25 mm - 20 kg/m <sup>3</sup> Ecosoft, formaldehyde free - 50 mm - 20 kg/m <sup>3</sup>
Flame Spread Index	: < 25
Smoke Developed Index	: < 50
Max. Rated Velocity	: 15 m/s (3000 ft / min)
Max. Rated Positive Pressure	: 3000 Pa (max) (12 in WC)
Max. Rated Negative Pressure	: 150 Pa (0.6 in WC)
R-Value	: 4.2 (10 °C)
R-Value (50 mm)	: 8.4 (10 °C)
Standard Length	: 7,6 m (25 ft)
Packing	: 1 piece per poly-bag / 1 piece per carton
Certificates	: UL 181



### ISOAFS-POLY

Inner Duct Construction	: 2 ply black polyester
Nominal Thickness of Inner Duct	: 30 micron
Jacket Construction	: 2 ply metallized polyester
Nominal Thickness of Jacket	: 30 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 16 kg/m <sup>3</sup>
Diameter Range (Ø)	: 82 - 508 mm
Wire Spacing	: 50 mm ( $\phi \geq 140$ mm)
Operating Temperature Range	: -30 °C / +120 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 7.6 m
Packing	: Single cardboard box
Available Options Upon Request	: White polyester insulation 40 & 50 mm Glass wool insulation PE jacket





Class 0  
(BS 476 part 6&7)  
**& M1**

## ISOAFS-ALU SHINE

Inner Duct Construction	: 2 ply polyester 1 ply aluminium
Nominal Thickness of Inner Duct	: 45 micron
Jacket Construction	: 1 ply aluminium 2 ply polyester
Nominal Thickness of Jacket	: 45 micron
Insulation - Thickness - Density	: Glass wool - 25 mm - 14 kg/m <sup>3</sup>
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 40 mm (Ø ≥ 127 mm)
Operating Temperature Range	: -30 °C / +120 °C
Air Velocity	: 30 m/s (max)
Operating Pressure	: +3000 Pa (max)
Standard Length	: 10 m
Packing	: Single cardboard box
Certificates	: Class 0 (BS Part 6&7) M1 (France)



  
INTERLOCKED

## SEMIAFS

Duct Construction	: Corrugated aluminium continuous interlock system
Nominal Thickness	: 90 micron
Diameter Range (Ø)	: 80 - 800 mm
Operating Temperature Range	: -25 °C / +250 °C
Air Velocity	: 25 m/s (max)
Operating Pressure	: +5000 Pa (max)
Standard Length	: 1.5 m / 3.0 m / 5.0 m Compression ratio 1/3
Packing	: Single nylon package (Bulk packing)
Reaction to Fire	: Non-combustible
Available Options Upon Request	: Customized lengths 120 micron aluminium Bulk packing
Certificates	: Class A1 (EN 13501-1) Flame Spread Index: 0 Smoke Developed Index: 0 [UL 723 as per UL 181] Letter / MED approval without testing



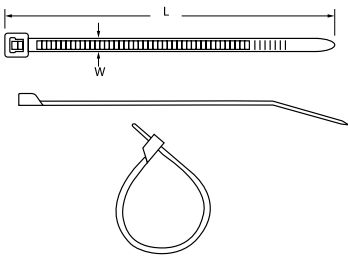
## nylon clamps & pliers, tape

### NYLON CLAMPS & PLIERS

- Nylon clamps are specifically produced for all kinds of flexible air duct connections as an economical alternative.
- Nylon clamp edges are rounded to provide safer working environment.
- Self-locking system makes it easy and quick to apply.
- Nylon clamp pliers are specifically produced for an easy application and tightening of Nylon Clamps.



### TECHNICAL PROPERTIES

MATERIAL	NYLON CLAMPS		
	Application Range (mm)	W (mm)	L (mm)
	Ø 0 – 102	4.8	380
	Ø 0 – 152	7.6	550
	Ø 0 – 203	9.0	710
	Ø 0 – 254	9.0	900

### TAPE

	PLAIN 30 Micron	PLAIN 40 Micron	PLAIN 50 Micron	REINFORCED
Tensile Strength	37.5 N / 25 mm	50 N / 25 mm	70 N / 25 mm	120 N / 25 mm
Length	40 m	50 m	40 m	40 m
Service Temperature	-20°C / +120°C	-20°C / +120°C	-20°C / +120°C	-30°C / +80°C
Applying Temperature	+10°C / +40°C			
Standart Dimensions - width	48 mm, 72 mm, 96 mm			



### PACKING

AFSTAPE Width	Box dimension cm x cm x cm		Pieces/box
48 mm	Plain	Reinforced	24
72 mm	25x25x30	29x29x30	16
96 mm			12

## metal clamps



### PRE-CUTTED METAL CLAMPS

Clamp Construction	:	AISI 430 Stainless Steel
Locking Device Construction	:	Nickel plated housing, zinc plated screw
Standard Length (Clamp)	:	60/110 mm to 60/710 mm
Clamp Width	:	9 mm

READY METAL CLAMPS	Prati 60/110	Prati 60/135	Prati 60/145	Prati 60/165	Prati 60/170	Prati 60/215	Prati 60/270	Prati 60/325	Prati 60/380	Prati 60/425	Prati 60/525	Prati 60/660	Prati 60/710
LENGTH (mm)	370	450	476,5	549	560	705	890	1055	1235	1405	1685	2100	2285



### STRIP STEEL BANDING SYSTEM (Cassette Type)

Clamp Construction	:	AISI 430 Stainless Steel
Locking Device Construction	:	Nickel plated housing, zinc plated screw
Packing (Clamp)	:	Single plastic cassette
Quantity of Locking Devices	:	50 pieces per box
Standard Length (Clamp)	:	30 m
Clamp Width	:	9 mm



look up   
notice  
the fresh air





Environment



Applus<sup>+</sup>



IMSL<sup>™</sup>



## Flexible Air Ducts & Accessories



**AFS**<sup>®</sup>

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