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Flexible Air Ducts & Accessories



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AFS[®]



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

ALUAFS.70

Duct Construction	: 3 ply aluminium 2 ply polyester
Nominal Thickness	: 70 micron
Diameter Range (Ø)	: 52 mm - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
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 1 (Italy) Class 0 (UK) Class B - s1, d0 (EN 13501-1)

EN ISO 11925-2
single flame source test report

EN ISO 13823
single burning item test report



All technical details on this leaflet are information purposes only and are subject to change without prior notice.

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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/m³
Diameter Range (Ø)	: 52 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
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)

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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)

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/m³
Diameter Range (Ø)	: 82 - 800 mm
Wire Spacing	: 35 mm (Ø ≥ 127 mm)
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)



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*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)

ISOAFS-ALU SHINE

Inner Duct Construction	: 2 ply black 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/m³
Diameter Range (ø)	: 52 - 800 mm
Wire Spacing	: 40 mm (ø ≥ 127 mm)
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
Certificates	: Class 0 (BS Part 6&7) M1 (France) UL 723

SEMIAFS

Duct Construction	: Corrugated aluminium continous interlock system
Nominal Thickness	: 90 micron
Diameter Range (ø)	: 80 - 800 mm
Temperature Range	: -25 °C / +250 °C
Air Velocity	: 25 m/s (max)
Operating Pressure	: 2000 Pa (max)
Standard Length	: 1.5 m / 3.0 m / 6.0 m Compression ratio 1/3
Packing	: Single nylon package (Bulk packing)
Reaction to Fire	: Non-combustible
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
	
Available Options Upon Request	: Customized lengths 120 micron aluminium Bulk packing



NYLON CLAMPS & PLIERS, TAPE

- 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 clamps can be reused
- Nylon clamps can be reused.
- Nylon clamp pliers are specifically produced for an easy application and tightening of Nylon Clamps.



TECHNICAL PROPERTIES

MATERIAL	NYLON 66		
	Application Range (mm)	W (mm)	L (mm)
	Ø 0 – 102	4.8	380
	Ø 0 – 140	7.6	530
	Ø 0 – 190	9.0	710
	Ø 0 – 229	9.0	800
	Ø 0 – 263	9.0	910
	Ø 0 – 360	9.0	1220

AFSTAPE	PLAIN 30 Micron	PLAIN 40 Micron	PLAIN 50 Micron	REINFORCED 125 Micron
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



READY 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 60/170	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



STRIP STEEL BANDING SYSTEM

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

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