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**Flexible Air Ducts & Accessories**



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**AFS**<sup>®</sup>

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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/m <sup>3</sup>
Diameter Range (∅)	: 52 - 800 mm
Wire Spacing	: 35 mm (∅ ≥ 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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\*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/m <sup>3</sup>
Diameter Range (∅)	: 82 - 800 mm
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	: 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/m <sup>3</sup>
Diameter Range (∅)	: 52 - 800 mm
Wire Spacing	: 40 mm (∅ ≥ 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 (∅)	: 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
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- 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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