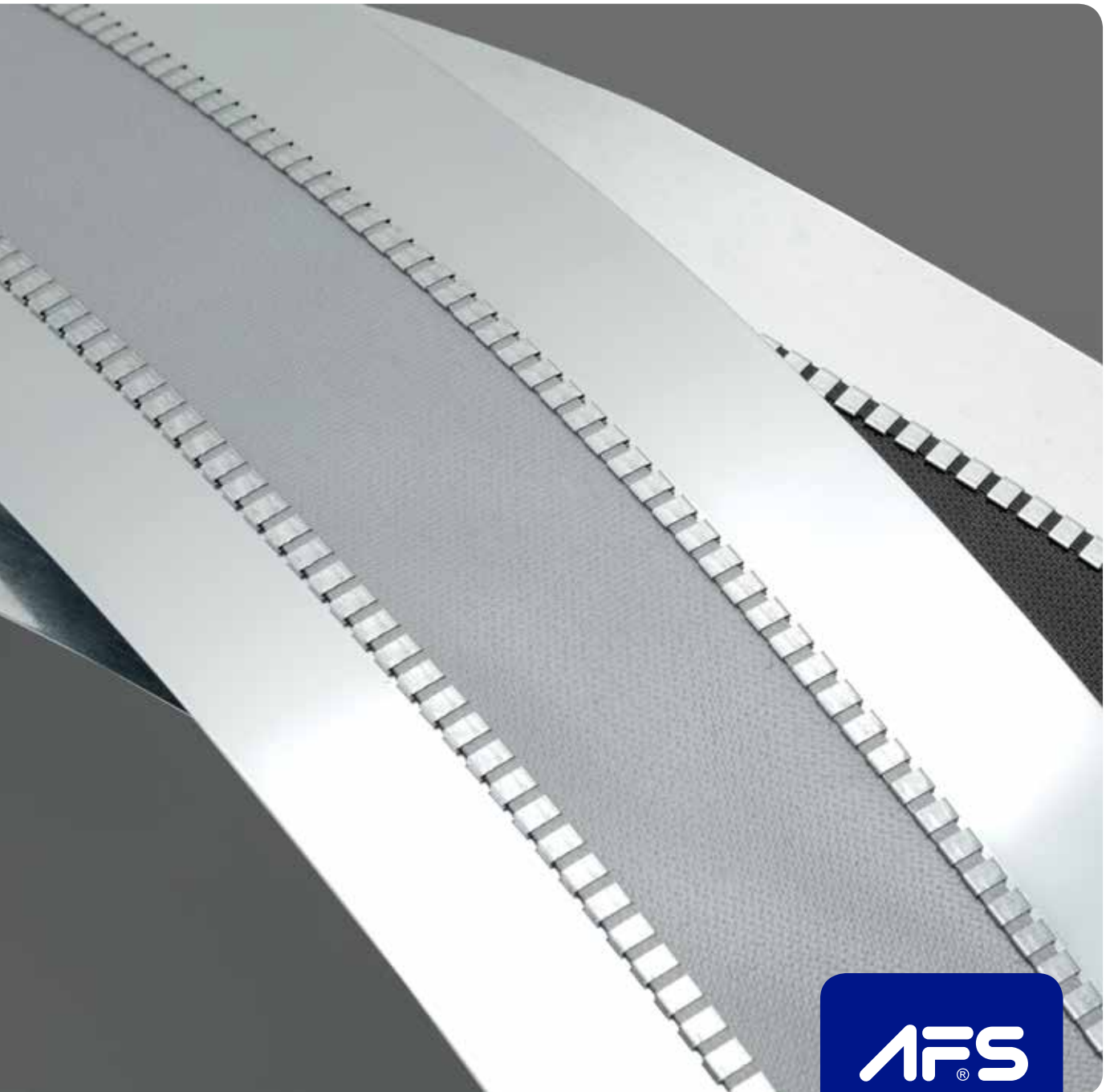


stability

## Flexible Duct Connectors & Self Adhesive Pins



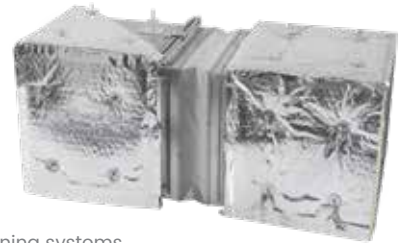
connector series



stability

# AFSCONNECTOR

## flexible duct connector



### APPLICATION

- AFSCONNECTORS are specifically designed for heating, cooling, ventilation and air conditioning systems.
- AFSCONNECTORS are used to connect mechanical equipment and rigid air duct or two rigid air ducts, providing dampening against vibration and absorbing lateral movements.

### GENERAL PROPERTIES

- AFSCONNECTORS are leak proof (airtight & waterproof).
- They are suitable for rectangular, oval and circular applications and easy to install.

### LOCKING SYSTEM

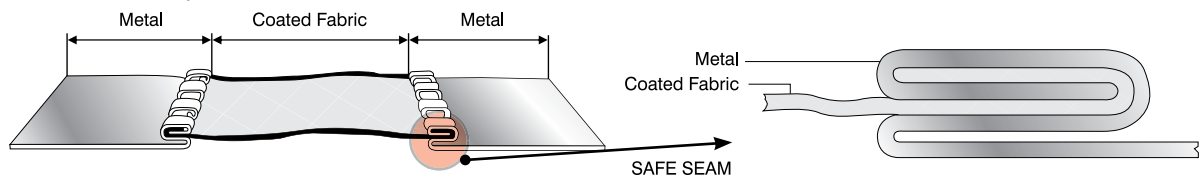
- AFSCONNECTORS are produced using a special SAFE SEAM technique from galvanized steel plate + coated fabric + galvanized steel plate. The SAFE SEAM clamp system ensures that the coated fabric and the galvanized steel plates are inseperable.

### COATING TYPE

- AFSCONNECTORS can be produced of PVC, SILICONE, PU, NEOPRENE or CANVAS as per application requirements.

### SPECIAL SIZE

- 100 x 120 x 100 mm AFSCONNECTOR's wide galvanized steel plates make it compatible with roll forming and flange manufacture systems.



SIZES						
Available Sizes (mm)	35 x 60 x 35	45 x 60 x 45	45 x 75 x 45	70 x 100 x 70		
*Special Sizes (mm)	45 x 100 x 45	45 x 150 x 45	50 x 60 x 50	50 x 150 x 50	70 x 150 x 70	70 x 200 x 70

\* Special sizes are subject to minimum order

## Circular Polyurethane Connector Kit "M0"

### In Order to Prevent Noise and Vibration

- AFS Circular Duct connector is the perfect solution for noise and vibration caused by ventilation equipment transmitted through air duct system.
- The Circular Connector is available in kit form with two fastening metal clamps in plastic bags.



AVAILABLE DIAMETERS Ø (mm)													
Ø 100	Ø 125	Ø 160	Ø 200	Ø 250	Ø 315	Ø 355	Ø 400	Ø 450	Ø 500	Ø 560	Ø 630	Ø 700	Ø 800



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



## PVC

### Base Fabric

Polyester

### Coating

PVC (Both sides)

### Coated Fabric Weight

550 g/m<sup>2</sup> (16.2 oz/yd<sup>2</sup>)

### Coated Fabric Thickness

450 micron (0.018 inch)

### Tear Strength

weft = 180 N (EN ISO 4674-1 Method A)

warp = 250 N

### Tensile Strength

weft = 1400 N (EN ISO 1421 Method 1)

warp = 1500 N

### Color

Grey & Black

### Temperature Range

-30 °C / +70 °C (-22 °F / +158 °F)

### Fire Resistance

Fire retardant

### Specifications

Suitable for general applications

UV resistant - suitable for outdoor applications

Economical choice

Phthalate free according to EN 14372

### Construction

Galvanized steel plate + Coated fabric +

Galvanized steel plate

### Packing

Single cardboard box

### Certificates

UL 723 (USA)



## PVC ATEX

### Base Fabric

Polyester

### Coating

PVC (Both Sides)

### Coated Fabric Weight

550 g/m<sup>2</sup> (16.2 oz/yd<sup>2</sup>)

### Coated Fabric Thickness

450 micron (0.018 inch)

### Tear Strength

weft = 180 N (EN ISO 4674-1 Method A)

warp = 250 N

### Tensile Strength

weft = 1400 N (EN ISO 1421 Method 1)

warp = 1500 N

### Color

Black

### Temperature Range

-30 °C / +70 °C (-22 °F / +158 °F)

### Fire Resistance

Fire retardant

### Specifications

Suitable for protective systems in potentially explosive atmospheres to ensure about safety.

EN 13463-1 surface conductivity resistance < 10<sup>9</sup>

Phthalate free according to EN 14372

### Construction

Galvanized steel plate + Coated fabric +

Galvanized steel plate

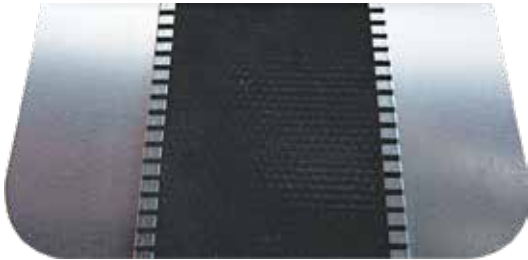
### Packing

Single cardboard box



INOX version is available in certain sizes / fabrics only  
Construction: Stainless steel + Coated fabric + Stainless steel

## stability



### PU

#### Base Fabric

Fiberglass

#### Coating

Polyurethane (Both sides)

#### Coated Fabric Weight

480 g/m<sup>2</sup> (14.2 oz/yd<sup>2</sup>)

#### Coated Fabric Thickness

450 micron (0.018 inch)

#### Tensile Strength

weft = 3100 N / 5 cm  
warp = 3400 N / 5cm (EN ISO 13934-1)

#### Color

Grey & Black

#### Temperature Range

-30 °C / +100 °C (-22 °F / +212 °F)

#### Fire Resistance

Fabric: Non-combustible

Coating: Fire retardant

#### Specifications

High resistance to abrasion

Suitable for high temperature applications  
for a certain period of time (400 °C / 2 hours)

#### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

#### Packing

Single cardboard box

#### Certificates

M0 (France)

UL 723 (Class 0) (USA)

NFPA 701 (Formerly UL 214) (USA)

F400 / 120 min. (Spain)



### NEOPRENE

#### Base Fabric

Fiberglass

#### Coating

Neoprene (Both sides)

#### Coated Fabric Weight

630 g/m<sup>2</sup> (18.6 oz/yd<sup>2</sup>)

#### Coated Fabric Thickness

450 micron (0.018 inch)

#### Tensile Strength

weft = 2900 N / 5 cm  
warp = 3500 N / 5cm (EN ISO 13934-1)

#### Color

Black

#### Temperature Range

-30 °C / +100 °C (-22 °F / +212 °F)

#### Fire Resistance

Fabric: Non-combustible

Coating: Fire retardant

#### Specifications

Suitable for high velocity applications and  
outdoor conditions

High resistance to alkalis and gasoline

#### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

#### Packing

Single cardboard box

#### Certificates

UL 723 (Class 0) (USA)

NFPA 701 (Formerly UL 214) (USA)



INOX version is available in certain sizes / fabrics only  
Construction: Stainless steel + Coated fabric + Stainless steel



## SILICONE

### Base Fabric

Fiberglass

### Coating

Silicone (Both Sides)

### Coated Fabric Weight

560 g/m<sup>2</sup> (16.5 oz/yd<sup>2</sup>)

### Coated Fabric Thickness

430 micron (0.017 inch)

### Tensile Strength

weft = 1900 N / 5 cm  
warp = 2400 N / 5 cm (EN ISO 13934-1)

### Color

Grey

### Temperature Range

-30 °C / +250 °C (-22 °F / +482 °F)

### Fire Resistance

Fabric: Non-combustible

Coating: Fire Retardant

### Specifications

Suitable for high temperature applications  
(+400 °C / 2 hours)

High resistance to weathering and chemicals

### Construction

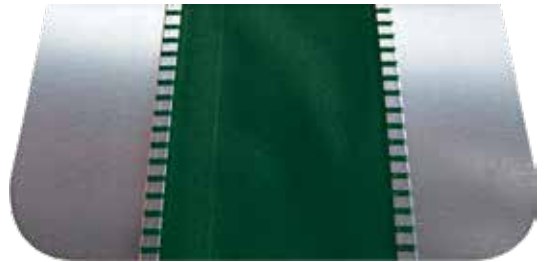
Galvanized steel plate + Coated fabric +  
Galvanized steel plate

### Packing

Single cardboard box

### Certificates

F400/120 min. (Spain)



## CANVAS

### Base Fabric

Cotton

### Coating

Chemical coating

### Color

Green

### Temperature Range

+80 °C (+176 °F)

### Specifications

Versatile and cost effective

Resistant to humidity and mildew

### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

### Packing

Single Cardboard Box

! Limited in stock.

## stability



### PU FORTE

**Base Fabric**

Fiberglass

**Coating**

PU (Both sides)

**Coated Fabric Weight**

810 g/m<sup>2</sup> (23.9 oz/yd<sup>2</sup>)

**Coated Fabric Thickness**

700 micron (0.028 inch)

**Color**

Grey

**Temperature Range**

-30 °C / +100 °C (-22 °F / +212 °F)

**Fire Resistance**

Fabric: Non-combustible

Coating: Fire Retardant

**Specifications**

High resistance to abrasion

**Construction**

Galvanized steel plate + Coated fabric +

Galvanized steel plate

**Packing**

Single cardboard box

**Certificates**

NFPA 701 (Formerly UL 214) (USA)



### NEOPRENE FORTE

**Base Fabric**

Fiberglass

**Coating**

Neoprene (Both Sides)

**Coated Fabric Weight**

880 g/m<sup>2</sup> (26.0 oz/yd<sup>2</sup>)

**Coated Fabric Thickness**

720 micron (0.028 inch)

**Color**

Black

**Temperature Range**

-30 °C / +100 °C (-22 °F / +212 °F)

**Fire Resistance**

Fabric: Non-combustible

Coating: Fire Retardant

**Specifications**

Suitable for high velocity applications and outdoor conditions

High resistance to alkalis and gasoline

**Construction**

Galvanized steel plate + Coated fabric +

Galvanized steel plate

**Packing**

Single cardboard box

**Certificates**

UL 723 (Class 1) (USA)

NFPA 701 (Formerly UL 214) (USA)

## ALUMINIUM PIN

- Easy to cut, bend and mount
- Corrosion free

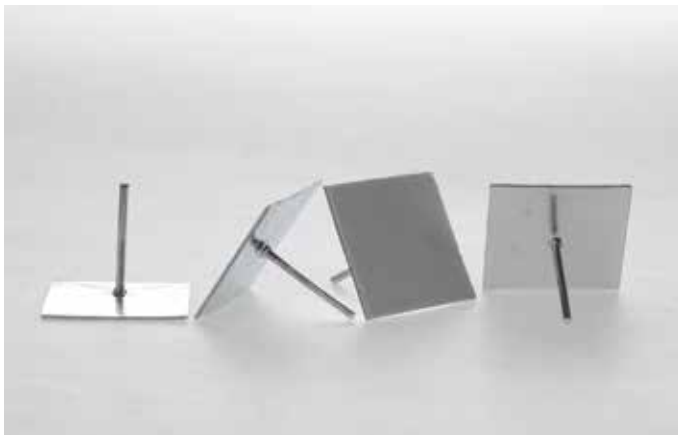
### ALUMINIUM PIN WITH SAFE TIP

- Provides safe working environment
- Needs no pin cap



	BASE	PIN	FASTENING CLIPS
<b>Construction</b>	Reinforced Galvanized Steel	Aluminium	Galvanized Steel
<b>Dimensions</b>	50 x 50 mm (2" x 2") 30x30 mm (1.2" x 1.2")	Ø 3 mm ± 0.3 mm Ø 2.2 mm ± 0.2 mm	Outside Ø30 mm (1.2")
<b>Thickness</b>	0.35 mm	-	0.30 mm
<b>Adhesive</b>	Acrylic Adhesive		
<b>Pin Length</b>	30 mm to 180 mm (1.2" to 7.0")		
<b>Temperature Range</b>	-10°C to +80°C (+14°F to +176°F) Application Temperature has to be > +10°C (+50°F)		

AFSPIN PACKING DETAILS		
Base Dimension: 50x50 mm		
Pin Length	Packing type	Package Amount
40 mm	Carton Box	500 Pieces with washer/ Box
50 mm	Carton Box	500 Pieces with washer/ Box
60 mm	Carton Box	500 Pieces with washer/ Box
80 mm	Carton Box	400 Pieces with washer/ Box
100 mm	Carton Box	350 Pieces with washer/ Box



“ **AFS cares about the workmen's safety!** ”



Operational temperature range of AFSPIN is -10 °C / +80 °C. Application temperature has to be above +10 °C.  
The surface applied on has to be free of any residues, dust, grease, oil, etc.

## Flexible Duct Connectors & Self Adhesive Pins



**AFS**<sup>®</sup>

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