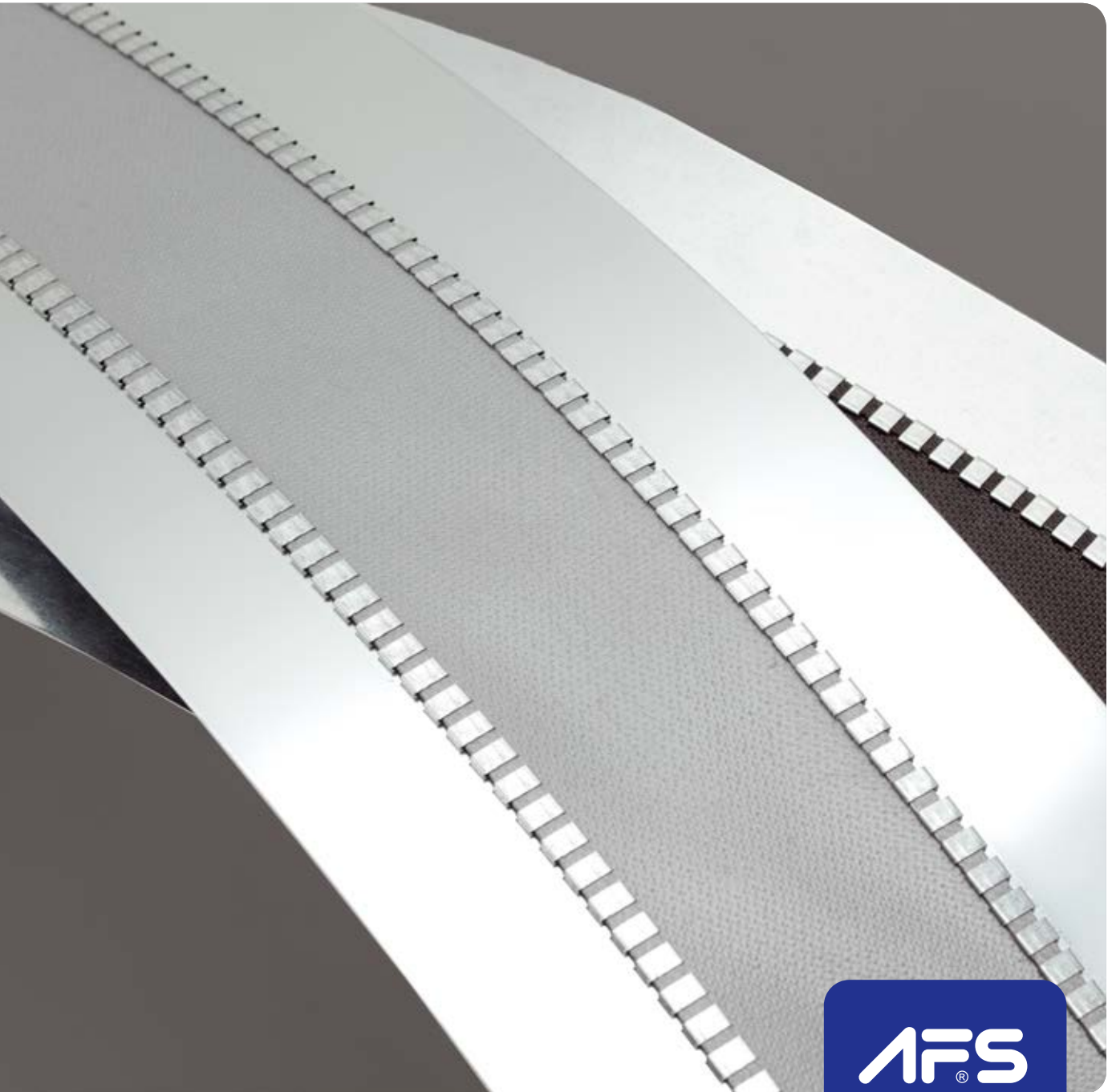


**stability**

## Flexible Duct Connectors & Self Adhesive Pins



connector series

**AFS**<sup>®</sup>

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

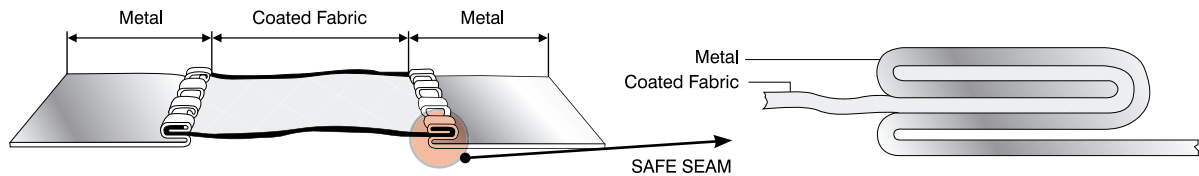
- AFSCONNECTORs are produced using a special SAFE SEAM technique from galvanized steel plate + coated fabric + galvanized steel plate. The SAFE SEAM clamp system ensures that the coated fabric and the galvanized steel plates are inseperable.

### 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

### 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.
- Certificate: M0 (France) - PU raw material.



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.



AIR DUCT VIBRATION ISOLATION  
CONNECTOR IN ACCORDANCE WITH  
ANSI / NFPA 701 METHOD 1



## AFSCONNECTOR.PVC UL

### Base Fabric

Polyester

### Coating

PVC (Both sides)

### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

### 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  
warp = 250 N } (EN ISO 4674-1 Method A)

### Tensile Strength

weft = 1400 N  
warp = 1500 N } (EN ISO 1421 Method 1)

### Color

Grey & Black

### Temperature Range

-30 °C / +70 °C (-22 °F / +158 °F)

### Fire Resistance

Fire retardant

### Specifications

Suitable for general applications

UV resistant

Economical choice

Phthalate free according to EN 14372

### Packing

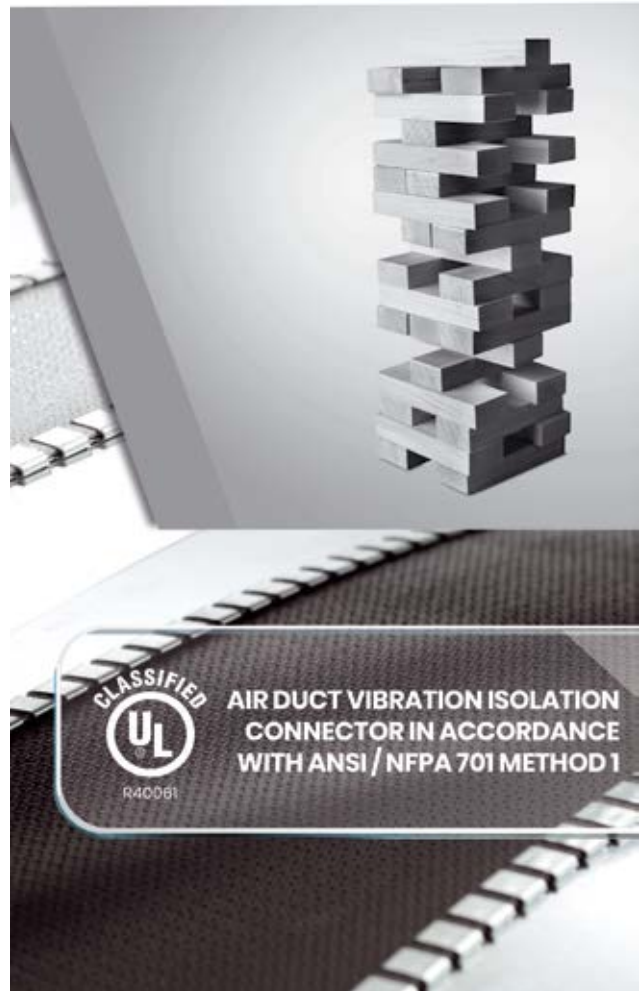
Single cardboard box

### Certificates

UL 723 (USA)

UL CLASSIFIED (ANSI/NFPA 701-METHOD 1)

# Flexible Solutions for Stability



\* 0.7 mm (24 gauge) galvanized type available upon request.

## stability



AIR DUCT VIBRATION ISOLATION  
CONNECTOR IN ACCORDANCE WITH  
ANSI / NFPA 701 METHOD 1



### AFSCONNECTOR.NEOPRENE UL

#### Base Fabric

Fiberglass

#### Coating

Neoprene (Both sides)

#### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

#### 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 / 5 cm } (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

High durability

Good chemical resistance

High elasticity

#### Packing

Single cardboard box

#### Certificates

UL 723 (Class 0) (USA)

UL CLASSIFIED (ANSI/NFPA 701-METHOD 1)



AIR DUCT VIBRATION ISOLATION  
CONNECTOR IN ACCORDANCE WITH  
ANSI / NFPA 701 METHOD 1



### AFSCONNECTOR.SILICONE UL

#### Base Fabric

Fiberglass

#### Coating

Silicone (Both Sides)

#### Construction

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

#### 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 ozone, aging and  
chemicals

#### Packing

Single cardboard box

#### Certificates

F400/120 min. (Spain)

UL CLASSIFIED (ANSI/NFPA 701-METHOD 1)



## PVC ATEX

### Base Fabric

Polyester

### Coating

PVC (Both Sides)

### Construction

Galvanized steel plate + Coated fabric + Galvanized steel plate

### 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  
warp = 250 N } (EN ISO 4674-1 Method A)

### Tensile Strength

weft = 1400 N  
warp = 1500 N } (EN ISO 1421 Method 1)

### Color

Black

### Temperature Range

-30 °C / +70 °C (-22 °F / +158 °F)

### Fire Resistance

Fire retardant

### Specifications

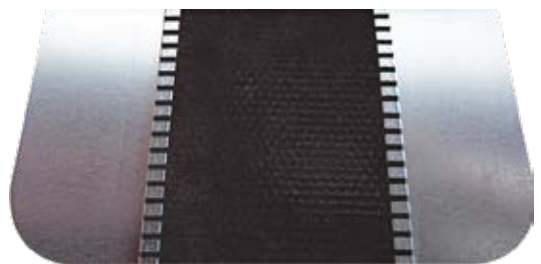
Suitable for protective systems in potentially explosive atmospheres to ensure about safety.

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

Phthalate free according to EN 14372

### Packing

Single cardboard box



## PU

### Base Fabric

Fiberglass

### Coating

Polyurethane (Both sides)

### Construction

Galvanized steel plate + Coated fabric + Galvanized steel plate

### 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)

### Packing

Single cardboard box

### Certificates

M0 (France)

UL 723 (Class 0) (USA)

NFPA 701 (Formerly UL 214) (USA)

F400 / 120 min. (Spain)

## stability



### PU FORTE

**Base Fabric**

Fiberglass

**Coating**

PU (Both sides)

**Construction**

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

**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

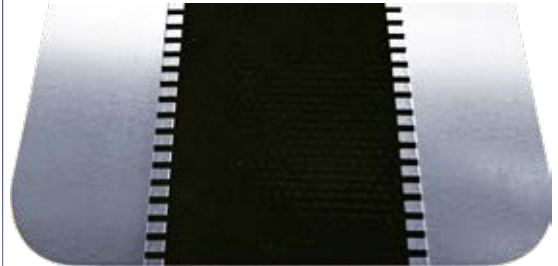
**Packing**

Single cardboard box

**Certificates**

NFPA 701 (Formerly UL 214) (USA)

UL723 (USA)



### NEOPRENE FORTE

**Base Fabric**

Fiberglass

**Coating**

Neoprene (Both Sides)

**Construction**

Galvanized steel plate + Coated fabric +  
Galvanized steel plate

**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

High durability

Good chemical resistance

High elasticity

**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) Ideal temperature for application ~ 23 °C		

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 and 100 mm are available a request.



“ **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>

FLEXIBLE KANAL AŞ

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