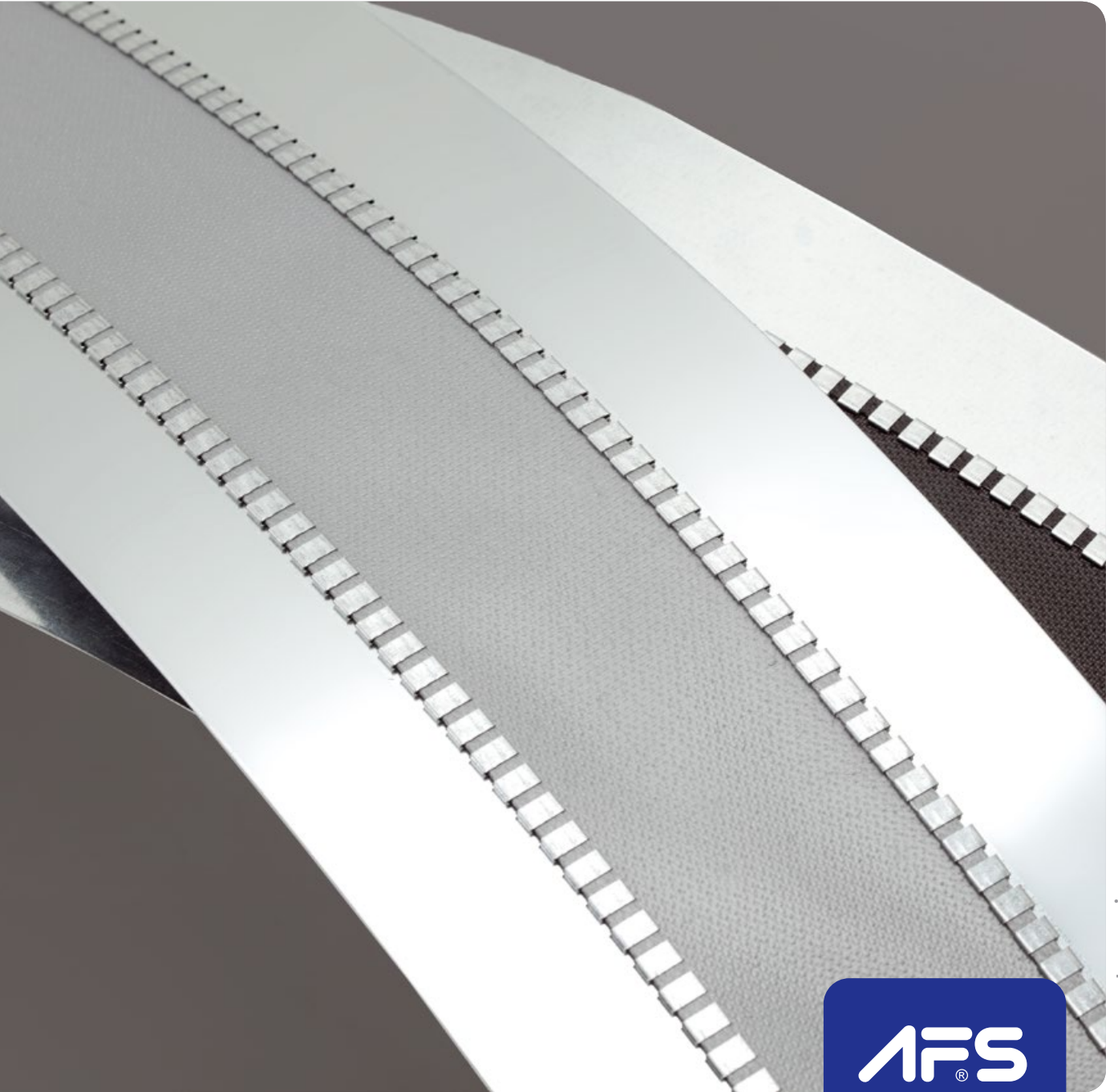


stability

Flexible Duct Connectors & Self Adhesive Pins



connector series

AFS[®]

afs.com.tr

AFS CONNECTOR

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

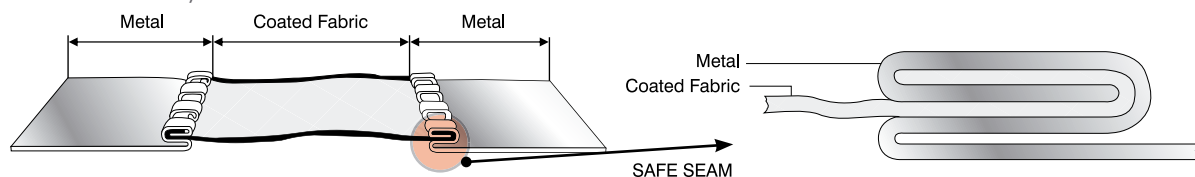
- AFSCONNECTORS are produced using a special SAFE SEAM technique from galvanized steel plate + coated fabric + galvanized steel plate. The SAFE SEAM clamp system ensures that the coated fabric and the galvanized steel plates are inseperable.

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 - PU raw material. (France)
EN-13501-1 A2 - PU raw material.



AVAILABLE DIAMETERS Ø (mm)

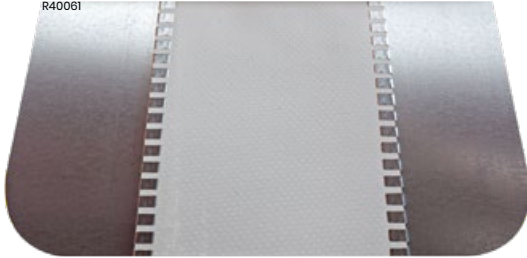
Ø 100	Ø 125	Ø 160	Ø 200	Ø 250	Ø 315	Ø 355	Ø 400	Ø 450	Ø 500	Ø 560	Ø 630	Ø 700	Ø 800
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All technical details on this leaflet are information purposes only and are subject to change without prior notice.



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/m² (16.2 oz/yd²)

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

Packing

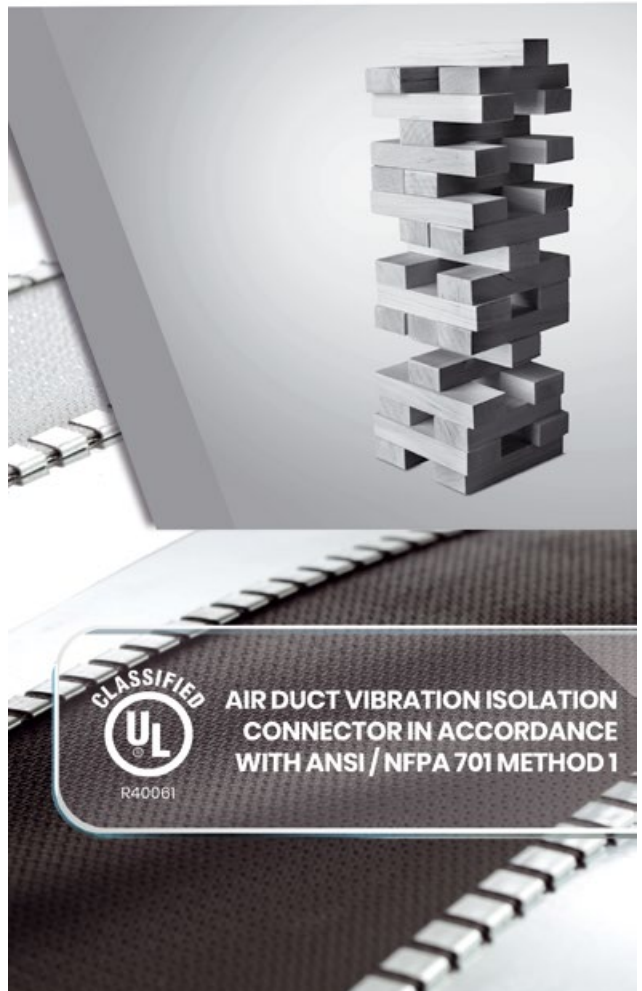
Single cardboard box

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.



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/m² (18.6 oz/yd²)

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: Difficult to ignite

Coating: Fire retardant

Specifications

Suitable for high velocity applications

High durability

Good chemical resistance (Alkalies & Gasoline)

Resistant to mildew

Packing

Single cardboard box

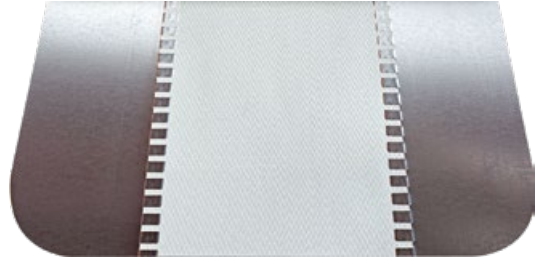
Certificates

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/m² (16.5 oz/yd²)

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: Difficult to ignite

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)

EN 13501-1 Class A2-S₂, d0 (Raw material)



PVC ATEX

Base Fabric

Polyester

Coating

PVC (Both Sides)

Construction

Galvanized steel plate + Coated fabric +
Galvanized steel plate

Coated Fabric Weight

550 g/m² (16.2 oz/yd²)

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

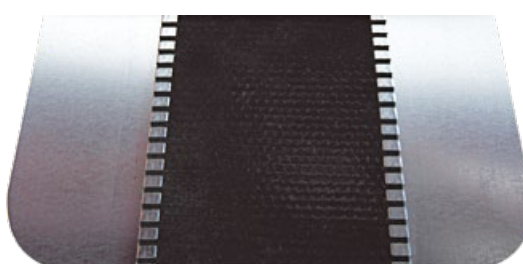
Specifications

Suitable for protective systems in potentially
explosive atmospheres.

EN 13463-1 surface conductivity resistance <10⁹

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/m² (14.2 oz/yd²)

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: Difficult to ignite

Coating: Fire retardant

Specifications

High resistance to abrasion

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

Packing

Single cardboard box

Certificates

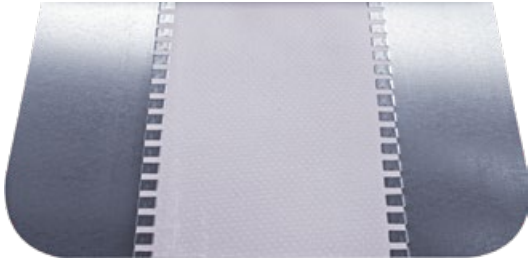
A2(13501-1) (Europe) (Raw material)

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/m² (23.9 oz/yd²)

Coated Fabric Thickness

700 micron (0.028 inch)

Color

Grey

Temperature Range

-30 °C / +100 °C (-22 °F / +212 °F)

Fire Resistance

Fabric: Difficult to ignite

Coating: Fire Retardant

Specifications

High resistance to abrasion

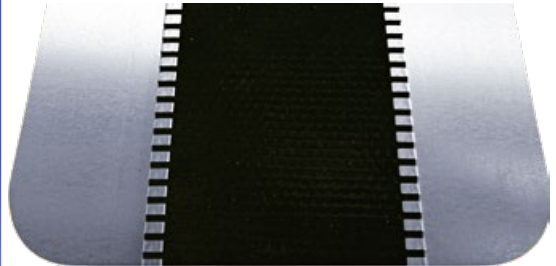
Packing

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/m² (26.0 oz/yd²)

Coated Fabric Thickness

720 micron (0.028 inch)

Color

Black

Temperature Range

-30 °C / +100 °C (-22 °F / +212 °F)

Fire Resistance

Fabric: Difficult to ignite

Coating: Fire Retardant

Specifications

Suitable for high velocity applications

High durability

Good chemical resistance (Alkalies & Gasoline)

Resistant to mildew

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
Construction	Reinforced Galvanized Steel	Aluminium	Galvanized Steel
Dimensions	50 x 50 mm (2"x2") 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")
Thickness	0.35 mm	-	0.30 mm
Adhesive	Acrylic Adhesive		
Pin Length	30 mm to 180 mm (1.2" to 7.0")		
Temperature Range	-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
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
120 mm	Carton Box	300 Pieces with washer/ Box
140 mm	Carton Box	250 Pieces with washer/ Box
160 mm	Carton Box	200 Pieces with washer/ Box
200 mm	Carton Box	200 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



FLEXIBLE KANAL AŞ

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