

Flexible Connectors



Flexible Connectors

Flexible Connectors

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

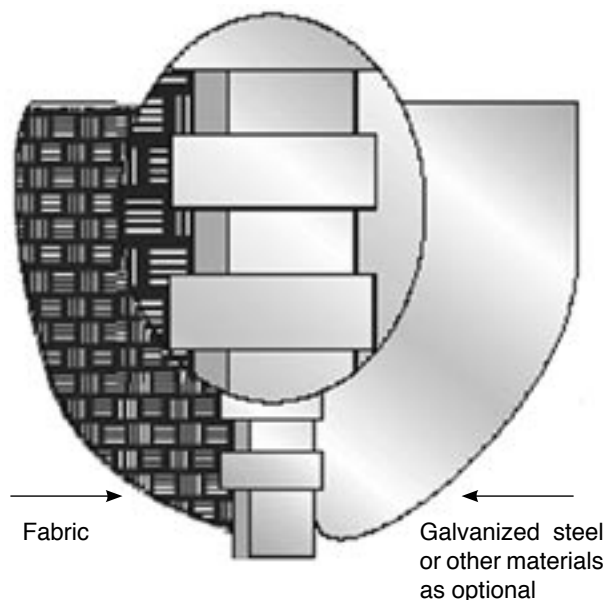
Access Doors

10
2

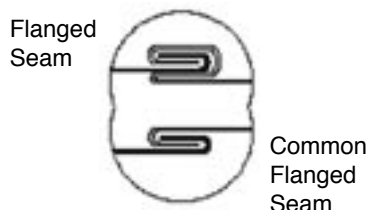
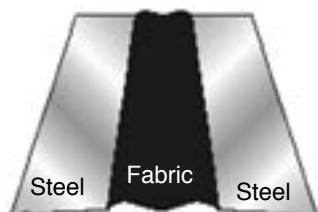
Flanges & Accessories

Tapes & Sealants

Flanged Seam



The double flanged seam gives an exceptional strength to the connection between steel and fabric. The above seam is used in all our duct connectors.



Description

Flexible Duct Connectors are used to eliminate duct system noises and vibrations for industrial and commercial applications.

The Basic use is to isolate the vibration and noises to the source with an air tight flexible joint consisting of a fabric fastened to steel metal on both sides.

The flexible connector is fixed between the A/C equipment or fan and the ductwork.

Various cloth types, cloth widths and steel widths are available in order to meet most of the installation requirements at job sites.

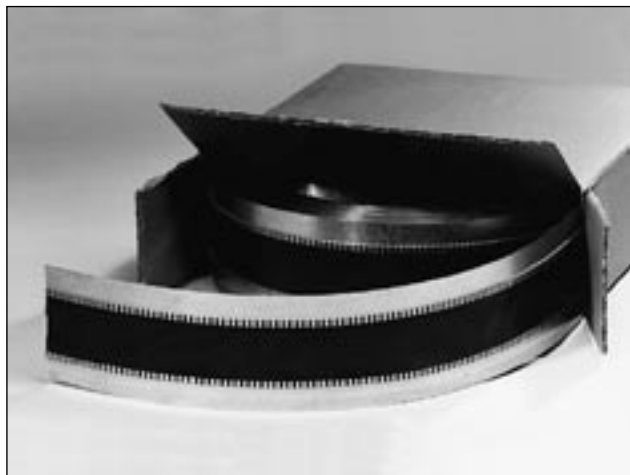
Right to alterations reserved.

Flexible Connectors

Flexible Connectors

DCV

Type Vinyl - DCV



Description & Application

Flexible Duct Connector with a PVC Polyester coating is suitable for applications with high requirements to the moisture resistance and good mechanical and chemical resistance. This connector is appropriate for Round, Oval and Rectangular air ducts. It can be shaped easily with a minimal percentage of waste.

Ordering

Product Code: **DCV - 45x60x45 - 22 - G**

Type _____
 Size _____
 Gauge _____
 Metal _____

Metal available

G = Galvanized
 S = Stainless
 A = Aluminium

Specifications

Specific Gravity:

675 gr/m²

Temperature range (continuously)

From -25 °C to +70 °C.

Fabric:

PVC coated polyester (PES)

Metal:

Available in galvanized, Stainless and aluminium

Moisture Resistance:

High

Mechanical Resistance:

Good

Color:

Black

Chemical Resistance:

See on page 9.

Fire Resistance:

See page 8.

Packing

Standard Length: 25 meter per roll.

Standard Sizes:

Steel	Fabric	Steel
35 mm	60 mm	35 mm
45 mm	60 mm	45 mm
70 mm	70 mm	70 mm
70 mm	100 mm	70 mm
70 mm	125 mm	70 mm
70mm	150 mm	70 mm

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

Access Doors

10
3

Flanges & Accessories

Tapes & Sealants

Right to alterations reserved.

Flexible Connectors

Flexible Connectors

DCN

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

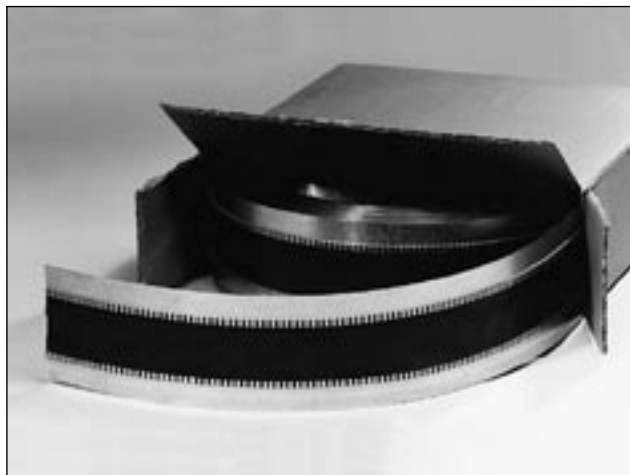
Access Doors

10
4

Flanges & Accessories

Tapes & Sealants

Neoprene



Description & Application

Flexible Duct Connector with a neoprene coating is extremely suitable for applications where a high chemical resistance and good mechanical resistance is required. It is suitable for round, rectangular or flat oval ductwork and is easily formed with a minimum of waste.

Ordering

Product Code: **DCN - 45x60x45 - 22 - G**

Type _____
 Size _____
 Gauge _____
 Metal _____

Metal available

G = Galvanized
 S = Stainless
 A = Aluminium

Specifications

Specific Gravity:

720 gr/m²

Temperature range (continuously)

From -40 °C to +150 °C.

Fabric:

Neoprene coated glass fabric.

Metal:

Available in galvanized, Stainless and aluminium

Moisture Resistance:

High

Mechanical Resistance:

Good

Color:

Black

Chemical Resistance:

See on page 9.

Fire Resistance:

See page 8.

Packing

Standard Length: 25 meter per roll.

Standard Sizes:

Steel	Fabric	Steel
35 mm	60 mm	35 mm
45 mm	60 mm	45 mm
70 mm	70 mm	70 mm
70 mm	100 mm	70 mm
70 mm	125 mm	70 mm
70mm	150 mm	70 mm

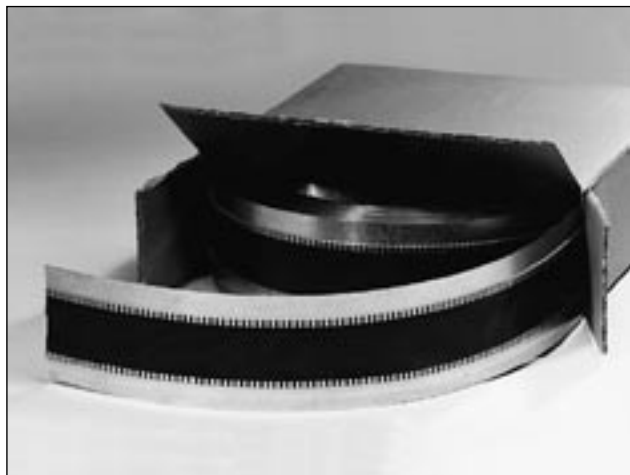
Right to alterations reserved.

Flexible Connectors

Flexible Connectors

DCP

Polyurethane



Description & Application

Flexible Duct Connector with a polyurethane coating is extremely suitable for applications where a high chemical resistance and good temperature resistance is required. It is suitable for round, rectangular or flat oval ductwork and is easily formed with a minimum of waste.

Ordering

Product Code: **DCP - 45x60x45 - 22 - G**

Type _____
 Size _____
 Gauge _____
 Metal _____

Metal available

G = Galvanized
 S = Stainless
 A = Aluminium

Specifications

Specific Gravity:

470 gr/m²

Temperature range (continuously)

From -40 °C to +150 °C.

Fabric:

Polyurethane coated glass fabric.

Metal:

Available in galvanized, Stainless and aluminium

Moisture Resistance:

Good

Mechanical Resistance:

Good

Color:

Silver

Chemical Resistance:

See on page 9.

Fire Resistance:

See page 8.

Packing

Standard Length: 25 meter per roll.

Standard Sizes:

Steel	Fabric	Steel
35 mm	60 mm	35 mm
45 mm	60 mm	45 mm
70 mm	70 mm	70 mm
70 mm	100 mm	70 mm
70 mm	125 mm	70 mm
70mm	150 mm	70 mm

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

Access Doors

10
5

Flanges & Accessories

Tapes & Sealants

Right to alterations reserved.

Flexible Connectors

Flexible Connectors

DCS

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

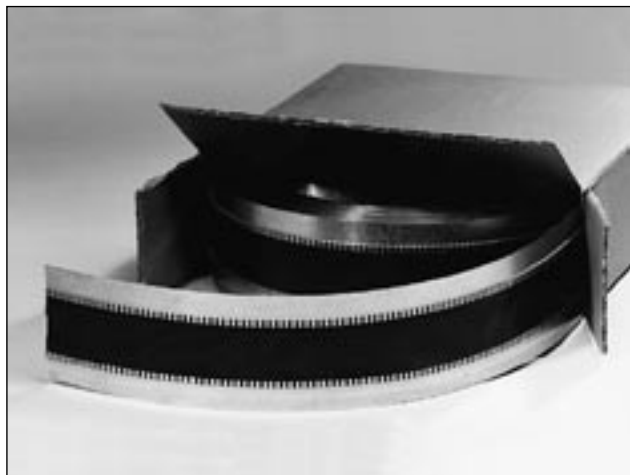
Access Doors

10
6

Flanges & Accessories

Tapes & Sealants

Silicone



Description & Application

Flexible Duct Connector with a silicone coating is suitable for applications where a high temperature resistance and good chemical resistance. This connector is appropriate for round, rectangular or oval air ducts. It can be shaped easily with a minimal percentage of waste.

Ordering

Product Code: **DCS - 45x60x45 - 22 - G**

Type _____
 Size _____
 Gauge _____
 Metal _____

Metal available

G = Galvanized
 S = Stainless
 A = Aluminium

Specifications

Specific Gravity:

510 gr/m²

Temperature range (continuously)

From -40 °C to +280 °C.

Fabric:

Silicone coated glass fabric.

Metal:

Available in galvanized, Stainless and aluminium

Moisture Resistance:

High

Mechanical Resistance:

Good

Color:

Silver

Chemical Resistance:

See on page 9.

Fire Resistance:

See page 8.

Packing

Standard Length: 25 meter per roll.

Standard Sizes:

Steel	Fabric	Steel
35 mm	60 mm	35 mm
45 mm	60 mm	45 mm
70 mm	70 mm	70 mm
70 mm	100 mm	70 mm
70 mm	125 mm	70 mm
70mm	150 mm	70 mm

Right to alterations reserved.

Flexible Connectors

Mounting Instructions

Mounting Instructions for Flexible Connectors



At a notch, cut a length equivalent to the perimeter plus 5 to 6 cm.



Make a cut at the edge of the lifted seam section



Coat the cloth with its appropriate adhesive



Press together firmly



Lift the seam outward to a right angle.



Bend down the seam whilst ensuring that the cloth remains fastened



Join both sides by adhesive and or stitching



Spotweld the steel.

General

Dampers

Silencers

Acoustic Enclosures

Plenum Boxes

Louvers

Kitchen Hoods

Supports & Bands

Access Doors

10
7

Flanges & Accessories

Tapes & Sealants

General Notes:

Make sure that the notched side faces outward and that the position of the joint is not at the corner.

Right to alterations reserved.

Flexible Connectors

Flexible Connectors

- General
- Dampers
- Silencers
- Acoustic Enclosures
- Plenum Boxes
- Louvers
- Kitchen Hoods
- Supports & Bands
- Access Doors
- 10
- 8
- Flanges & Accessories
- Tapes & Sealants

Mechanical & Fire Data

	Silicone	Polyurethane	Vinyl	Neoprene
Mechanical Data				
Specific gravity (gr/m ²)	510	470	675	720
Temperature range (°C)	-40 to +280	-40 to +150	-25 to +70	-40 to +150

	Silicone	Polyurethane	Vinyl	Neoprene
Fire Class				
France (CSTB)	M1/M0	M1	x	x
Great Britain (BS 476)	6 and 7	6 and 7	x	7
Fire Tests	Irrelevant	Irrelevant	Hardley Combustible	Irrelevant

	Silicone	Polyurethane	Vinyl	Neoprene
Technical Data				
Fabric	See Product specific properties			
Colour	Silver	Silver	Black	Black

All fabrics are designed to meet NFPA 90A and 90B.

Right to alterations reserved.

Flexible Connectors

Flexible Connectors

Chemical Resistance

Chemical Resistance	Silicone	Polyurethane	Vinyl	Neoprene
Acetone	■ ■	○	■ ■	■ ■
Acetylene	■ ■	X	■ ■	■ ■
Ammonia	■	X	■	■
Benzene	○	■ ■	■ ■	■
Butane	○	■	■	■
Chlorine	○	○	■ ■ ■	■ ■ ■
Chlorine gas	X	○	○	○
Ethane	○	■ ■ ■	■ ■	■ ■
Phenol	○	○	○	○
Phosphoric acid	○	■	■ ■	■ ■
Helium	■	■	■	■
Carbon dioxide	■ ■	X	■	■ ■
Carbon dioxide (liquid)	○	○	○	○
Methane	○	■	■ ■	■ ■
Methanol	■	○	■	■
Toluene	○	○	○	X
Neon	■	■	■	■
Ozone	■ ■	■	■ ■ ■	■ ■ ■
Nitric acid (diluted)	■ ■	■ ■ ■	■	■
Nitrogen	■	■	■	■
Water	■	■	■	■
Water vapour	○	○	○	○
Hydrogene	○	X	■ ■	■ ■
Hydrochloric 37% (cold)	■ ■	○	■ ■	■ ■
Hydrochloric 37% (warm)	○	○	○	○
Sulphur	■	X	■	■
Sulphuric acid (diluted)	○	■ ■ ■	■ ■	■ ■
Sulphurous acid	○	○	■ ■	■ ■

- Poor not recommended
- Excellent
- ■ Good
- ■ ■ Moderate
- X Not tested

- General
- Dampers
- Silencers
- Acoustic Enclosures
- Plenum Boxes
- Louvers
- Kitchen Hoods
- Supports & Bands
- Access Doors
- Flanges & Accessories
- Tapes & Sealants

Right to alterations reserved.