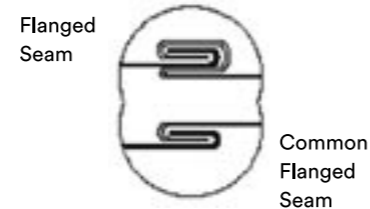
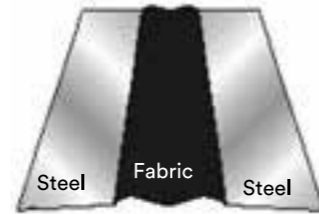
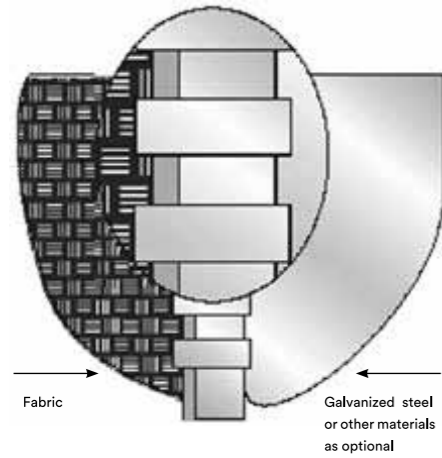




# FLEXIBLE CONNECTORS

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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.

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



**Description and 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

**DCV**



**Specifications**

Specific Gravity:  
675 gr/m<sup>2</sup>

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 37.

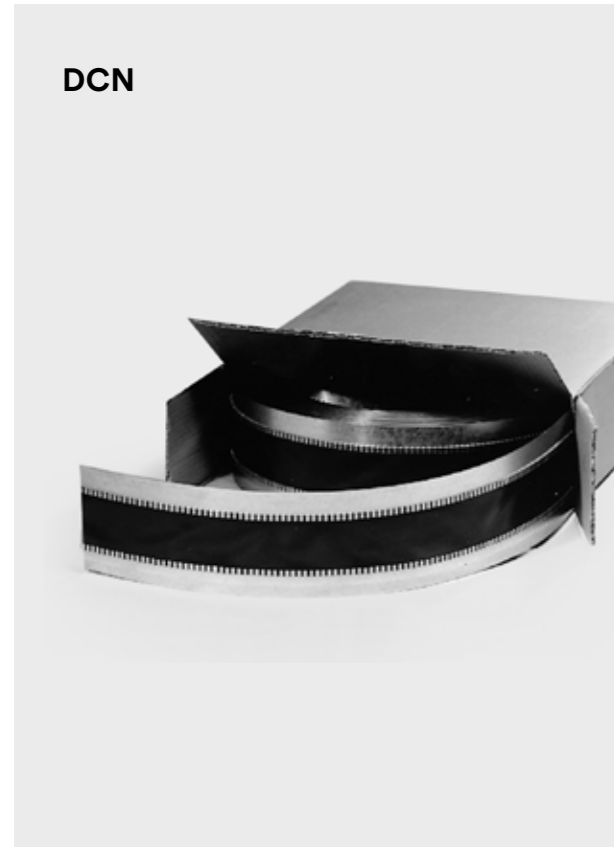
Fire Resistance:  
See on page 36.

**Packing**

Standard Length:  
25 meter per roll.

Standard Sizes:

Steel	Fabric	Metal
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
70 mm	150 mm	70 mm



**Description and 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/m<sup>2</sup>

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 page 37

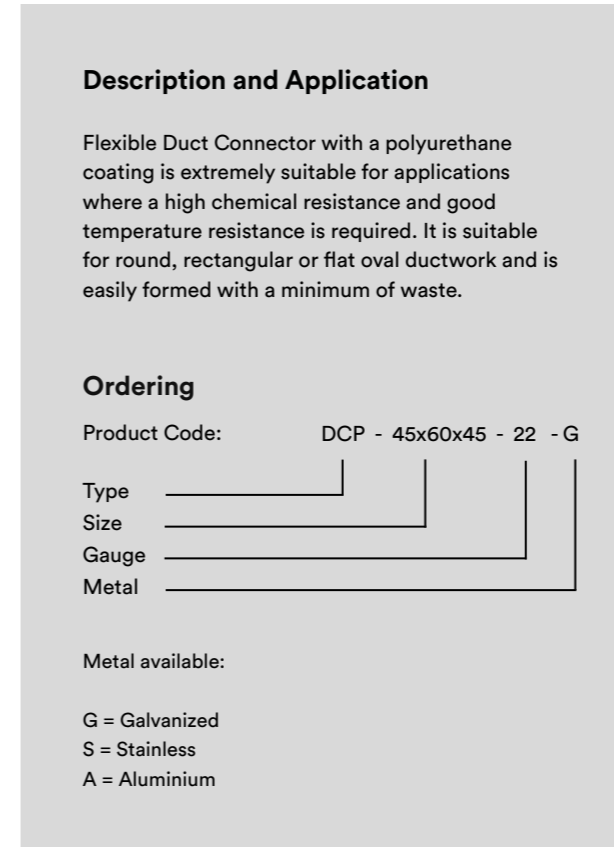
Fire Resistance:  
See page 36

**Packing**

Standard Length:  
25 meter per roll.

Standard Sizes:

Steel	Fabric	Metal
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
70 mm	150 mm	70 mm



**Description and 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/m<sup>2</sup>

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 37.

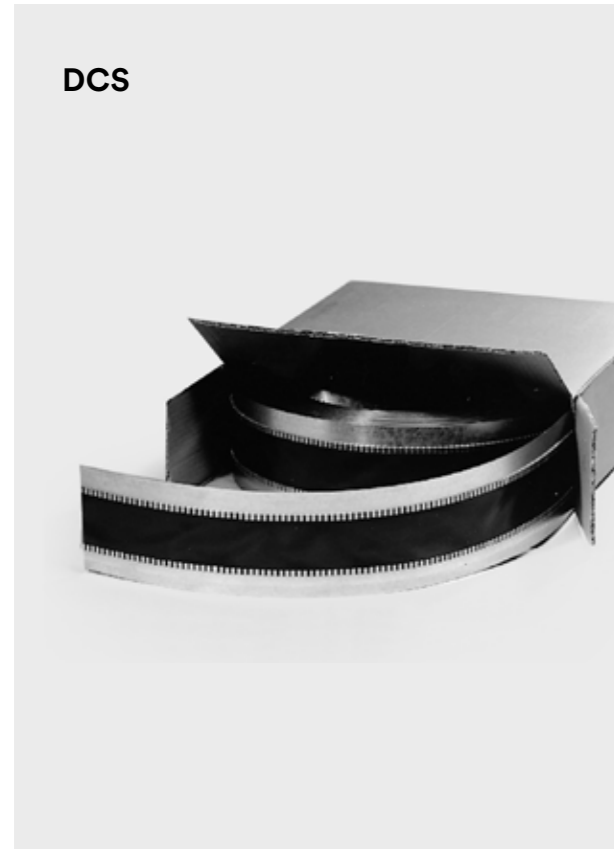
Fire Resistance:  
See on page 36

**Packing**

Standard Length:  
25 meter per roll.

Standard Sizes:

Steel	Fabric	Metal
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
70 mm	150 mm	70 mm



**DCS**

**Description and 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/m<sup>2</sup>

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 37.

Fire Resistance:  
See on page 36.

**Packing**

Standard Length:  
25 meter per roll.

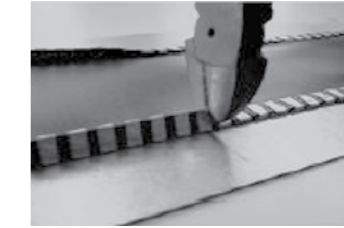
Standard Sizes:

Steel	Fabric	Metal
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
70 mm	150 mm	70 mm

**Mounting Instructions for Flexible Connectors**



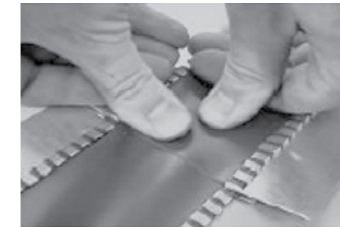
At a notch, cut a length equivalent to the perimeter plus 5 to 6 cm.



Make a cut at the edge of the lifted seam section.



Coat the cloth with its appropriate adhesive.



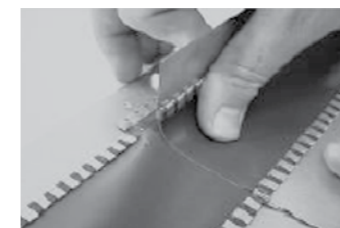
Press together firmly.



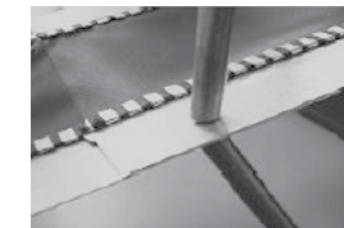
Lift the seam outward to a right angle.



Bend down the seam whilst ensuring that the cloth remains fastened.



Join both sides by adhesive and or stitching.



Spotweld the steel.

**General Notes:**

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



Mechanical and Fire Data

Mechanical Data	Silicone	Polyurethane	Vinyl	Neoprene
Specific gravity (gr/m <sup>3</sup> )	510	470	675	720
Temperature range (°C)	-40 to +280	-40 to +150	-25 to +70	-40 to +150

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

Technical Data	Silicone	Polyurethane	Vinyl	Neoprene
Fabric	See Products Specific Properties			
Color	Silver	Silver	Black	Black

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



Chemical Resistance

○ - Poor not Recommended    ■ - Excellent    ■■ - Good    ■■■ - Moderate    X - Not Tested

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	○	○	■■	■■