

**AIR DUCT ACCESSORIES.**

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# SUPPORTS & BANDS

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QIP

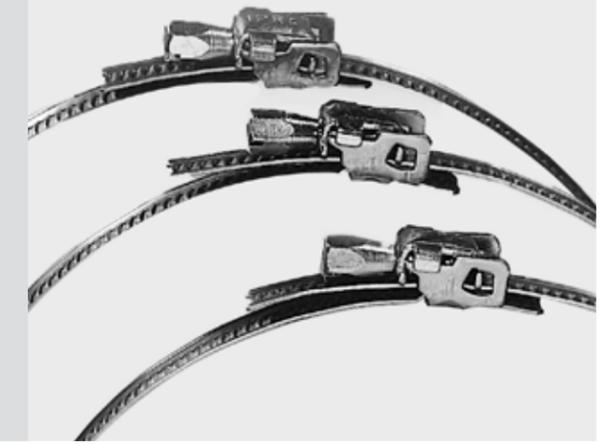
**Construction**

The metal clamp has been constructed according to DIN 3017 standards. The strip has been manufactured out of stainless steel (UNI x 8 Cr 17-DIN 1.4016 (W2) - AISI 430). The metal clamp has been manufactured out of hardened galvanized steel.

The metal clamp is appropriate to mounting all kinds of flexible ducts.

Standard sizes are available.

Duct Diameter	Type
QIP 165	60 to 165 mm
QIP 215	60 to 215 mm
QIP 270	60 to 270 mm



**MULTIBAND & MULTICLAMPS**

**Construction**

The multiband has been constructed according to DIN 3017 standards. The strip has been manufactured out of stainless steel (UNI x 8 Cr 17-DIN 1.4016 (W2) - AISI 430) and the thickness is 0.6mm. Multiclamps has been manufactured out of hardened galvanized steel.

Multibands and multiclamps are suitable for mounting all types of flexible connections. The combination of multiband and multiclamp enables you to make clamp to suit any diameters required at the work station.

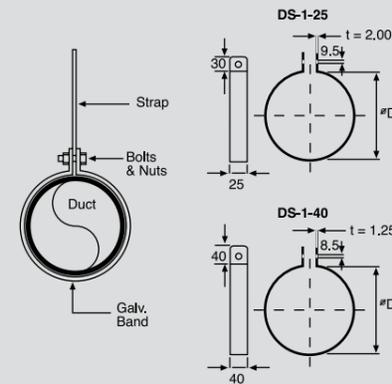
Duct Diameter	Type
QIPBAND	30 M per roll (1 box - 10 rolls)
QIPCLAMP	50 pcs/box (1 carton - 10 boxes)



**TYPE DS - 1**



**Dimensions**



**Description**

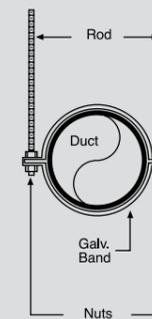
Round duct support type DS - 1, made of galvanised steel sheets with two different widths of 25mm x 2mm thk. or 40mm X 1.2mm thk.

**Ordering**

Product Code: DS-1-25 - aaa

Type \_\_\_\_\_  
d<sub>1</sub> \_\_\_\_\_

**Dimensions**



**Description**

Round duct support type DS - 2, made of steel plate supplied in 2 halves.

Dia. Up to 315 = 30 x 3mm thk.  
Dia. Up to 800 = 30 x 4mm thk.  
Dia. Up to 1250 = 40 x 5mm thk.

**Ordering**

Product Code: DS-2-30 - aaa

Type \_\_\_\_\_  
d<sub>1</sub> \_\_\_\_\_

**TYPE DS - 2**



**DS - 1 - 25**

dia mm	Support Size
63	25 x 2 mm
80	25 x 2 mm
100	25 x 2 mm
112	25 x 2 mm
125	25 x 2 mm
140	25 x 2 mm
150	25 x 2 mm
160	25 x 2 mm
180	25 x 2 mm
200	25 x 2 mm
224	25 x 2 mm
250	25 x 2 mm
280	25 x 2 mm
300	25 x 2 mm
315	25 x 2 mm

**DS - 1 - 40**

dia mm	Support Size
63	40 x 1.2 mm
80	40 x 1.2 mm
100	40 x 1.2 mm
112	40 x 1.2 mm
125	40 x 1.2 mm
140	40 x 1.2 mm
150	40 x 1.2 mm
160	40 x 1.2 mm
180	40 x 1.2 mm
200	40 x 1.2 mm
224	40 x 1.2 mm
250	40 x 1.2 mm
280	40 x 1.2 mm
300	40 x 1.2 mm
315	40 x 1.2 mm

**DS - 2 - 30**

dia mm	Support Size
100	30 x 3 mm
112	30 x 3 mm
125	30 x 3 mm
140	30 x 3 mm
150	30 x 3 mm
160	30 x 3 mm
180	30 x 3 mm
200	30 x 3 mm
224	30 x 3 mm
250	30 x 3 mm
280	30 x 3 mm
300	30 x 3 mm
315	30 x 3 mm
355	30 x 4 mm
400	30 x 4 mm

**DS - 2 - 40**

450	30 x 4 mm
500	30 x 4 mm
560	30 x 4 mm
600	30 x 4 mm
630	30 x 4 mm
710	30 x 4 mm
800	30 x 4 mm

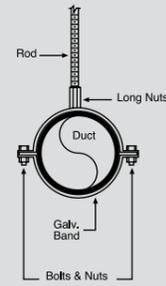
  

dia mm	Support Size
900	40 x 5mm
1000	40 x 5mm
1100	40 x 5mm
1250	40 x 5mm

**TYPE DS - 3**



**Dimensions**



**Description**

Round duct support type DS - 3, made of steel plate supplied in 2 halves with long nut on top for threaded rod connection.

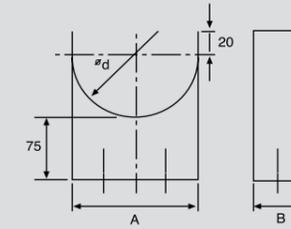
Dia. Up to 315 = 30 x 3mm thk.  
 Dia. Up to 800 = 30 x 4mm thk.  
 Dia. Up to 1250 = 40 x 5mm thk.

**Ordering**

Product Code: DS-2-30 - aaa

Type \_\_\_\_\_  
 d<sub>1</sub> \_\_\_\_\_

**Dimensions**



**Description**

Round duct support type DS - 4, made of galvanized steel sheet for wall mounting installation.

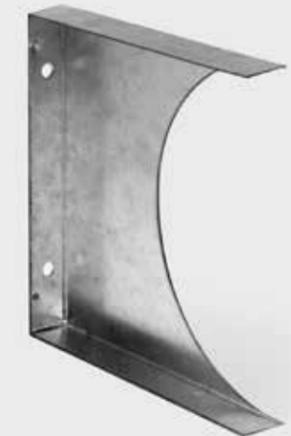
The DS-4 support can be fitted with a strap and a snap lock, thus preventing self tapping screws or rivets cutting into the ducts.

**Ordering**

Product Code: DS-4 - aaa

Type \_\_\_\_\_  
 d<sub>1</sub> \_\_\_\_\_

**TYPE DS - 4**



**DS - 3 - 30**

dia mm	Support Size
100	30 x 3 mm
112	30 x 3 mm
125	30 x 3 mm
140	30 x 3 mm
150	30 x 3 mm
160	30 x 3 mm
180	30 x 3 mm
200	30 x 3 mm
224	30 x 3 mm
250	30 x 3 mm
280	30 x 3 mm
300	30 x 3 mm
315	30 x 3 mm
355	30 x 4 mm
400	30 x 4 mm

450	30 x 4 mm
500	30 x 4 mm
560	30 x 4 mm
600	30 x 4 mm
630	30 x 4 mm
710	30 x 4 mm
800	30 x 4 mm

**DS - 3 - 40**

dia mm	Support Size
900	40 x 5mm
1000	40 x 5mm
1100	40 x 5mm
1250	40 x 5mm

**DS - 4**

d mm	A mm	B mm
80	180	25
63	66	25
80	180	25
100	180	25
125	180	25
150	200	25
160	200	25
200	203	25
250	253	25
315	318	25
400	403	25
500	503	25
630	633	25



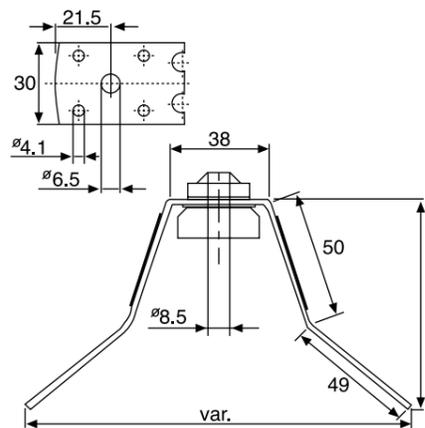
TYPE DS - 5



Description

SAFID's duct fixing bracket, is used for sound insulated suspensions of circular or square ducts. Suitable for use with all duct diameter and cross sections due to predetermined bending points. Easy fastening to the air duct with rivets or self drilling screws. Suspensions of the duct fixing bracket with threaded rods or direct fastening to the structure if possible. Installation is carried out in the usual way using threaded rods. This excludes the occurrence of a sonic bridge air duct or channel and structure.

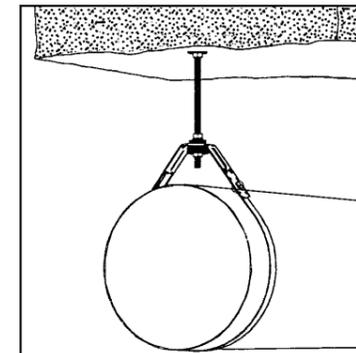
Dimensions



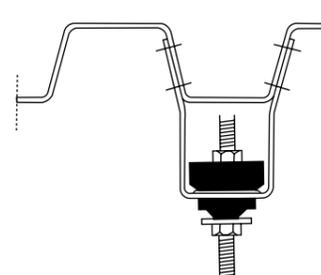
TYPE DS - 5

Fixing Bracket Example

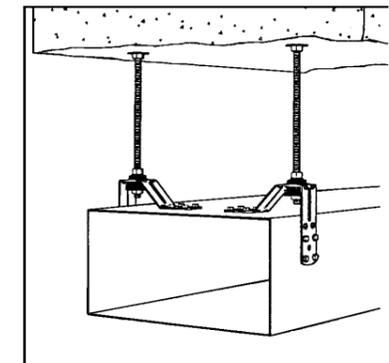
Air duct suspended from the ceiling with SAFID duct fixing bracket, steel tape or punched assembly strip.



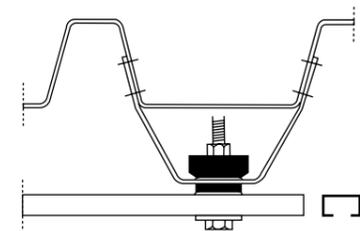
Direct fastening to a metal sheet with trapezoid corrugations using SAFID duct fixing bracket.



Square duct fastened to the ceiling with SAFID duct fixing bracket, air duct fasteners, threaded rods and steel anchors.



Sound insulated fastening of a SAFID support channel profile on a metal sheet with wide trapezoid corrugations using SAFID duct fixing bracket.



**TYPE DS - 6**

**Dimensions**

**Description**

Internal round duct bracket type DS - 5, made of galvanized steel sheet for internal mounting installation.

**Ordering**

Product Code: DS-6 - aaa

Type \_\_\_\_\_

d<sub>i</sub> \_\_\_\_\_

**Description**

Perforated galvanized steel band.

PG 17 = 17mm x 0.6mm thk.  
PG 25 = 25mm x 0.75mm thk.

**Ordering**

Product Code: PG-17

Type \_\_\_\_\_

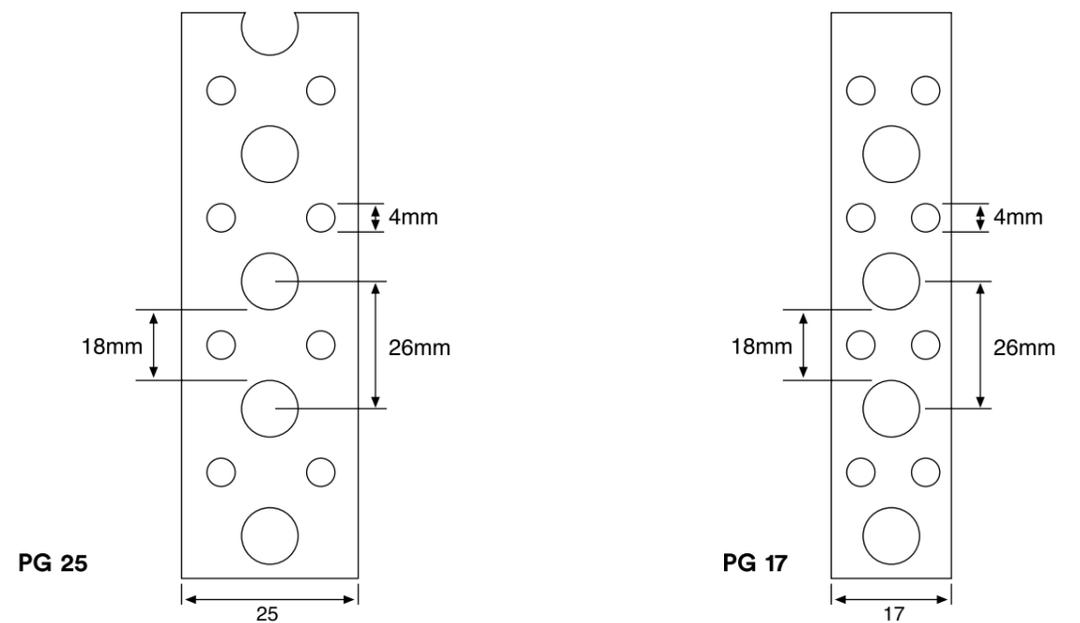
**PG17  
PG25**

d mm
450
500
560
600
630
710
800
900
1000
1120
1250



**Dimensions**

Internal Round duct bracket type DS - 5, made of galvanized steel sheet for internal mounting installation.



# ACCESS DOORS

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**TL 675 H  
TL 675 BH**



**Description and Specifications**

**TL 675 H or BH**  
Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to fire dampers, volume control dampers, filters, etc.

**Type TL 675 H**  
Continuous hinge on one edge.  
One camlock on opposite edge up to 350mm.  
Two camlocks on opposite edge on larger sizes.

**Type TL 675 BH**  
Butt hinged on one edge.  
One camlock on opposite edge up to 350mm.  
Two camlocks on opposite edge on larger sizes.

**Option**  
Glass inspection  
Code TL 675 H G  
Code TL 675 BH G

**Standard Sizes**

150 x 150	300 x 300	400 x 400	600 x 600
200 x 200	350 x 250	450 x 300	
250 x 200	350 x 350	500 x 500	
250 x 250	400 x 300	600 x 450	

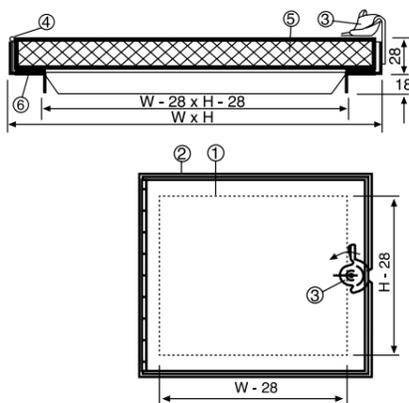
**Ordering**

Product Code: TL 675 H - 150 / 150

Type \_\_\_\_\_  
W \_\_\_\_\_  
H \_\_\_\_\_

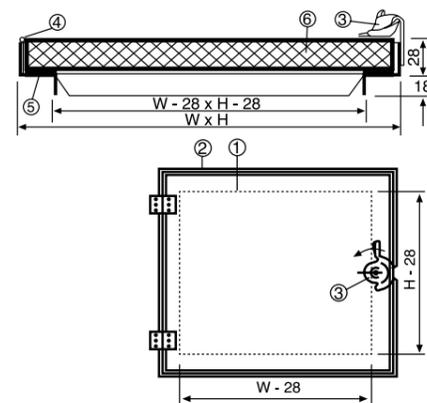
**Dimensions**

Access Doors: Hinged and cam models with galvanized steel sheet construction.



**TL 675 H LEGEND**

- 1. Door Panel
- 2. Frame
- 3. Self Tightening Camlocks
- 4. Continuous Piano Hinged
- 5. Mineral Wool Insulation
- 6. Gasket



**TL 675 BH LEGEND**

- 1. Door Panel
- 2. Frame
- 3. Self Tightening Camlocks
- 4. Butt Hinged
- 5. Gasket
- 6. Mineral Wool Insulation

**Description and Specifications**

**TL 675 C**  
Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to fire dampers, volume control dampers, filters, etc.

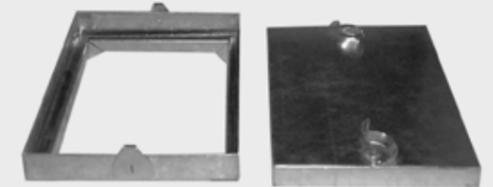
**Type TL 675 C**  
Self tightening camlocks  
2 per unit up to 350mm  
4 per unit on larger sizes

**Option**  
Glass inspection  
Code TL 675 C G

**Standard Sizes**

150 x 150	300 x 300	400 x 400	600 x 600
200 x 200	350 x 250	450 x 300	
250 x 200	350 x 350	500 x 500	
250 x 250	400 x 300	600 x 450	

**TL 675 C**



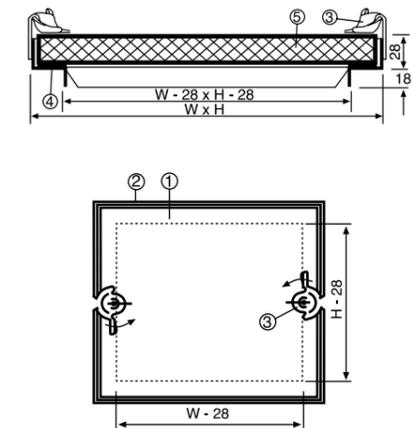
**Ordering**

Product Code: TL 675 C - 150 / 150

Type \_\_\_\_\_  
W \_\_\_\_\_  
H \_\_\_\_\_

**Dimensions**

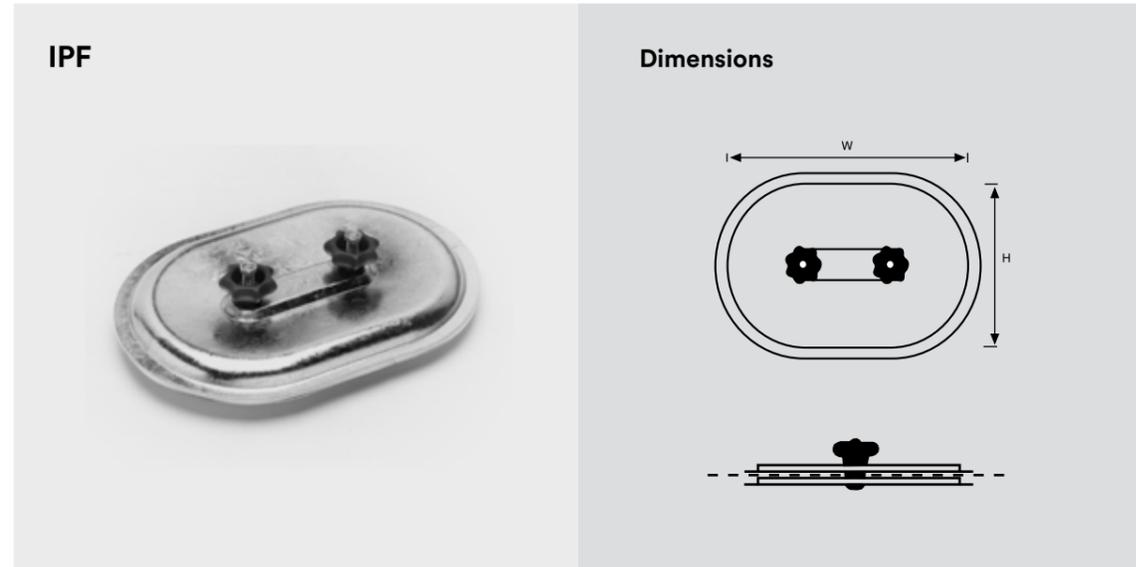
Access Doors: Double cam models and galvanized steel sheet construction.



**TL 675 C LEGEND**

- 1. Door Panel
- 2. Frame
- 3. Self Tightening Camlocks
- 4. Gasket
- 5. Mineral Wool Insulation





**Description**

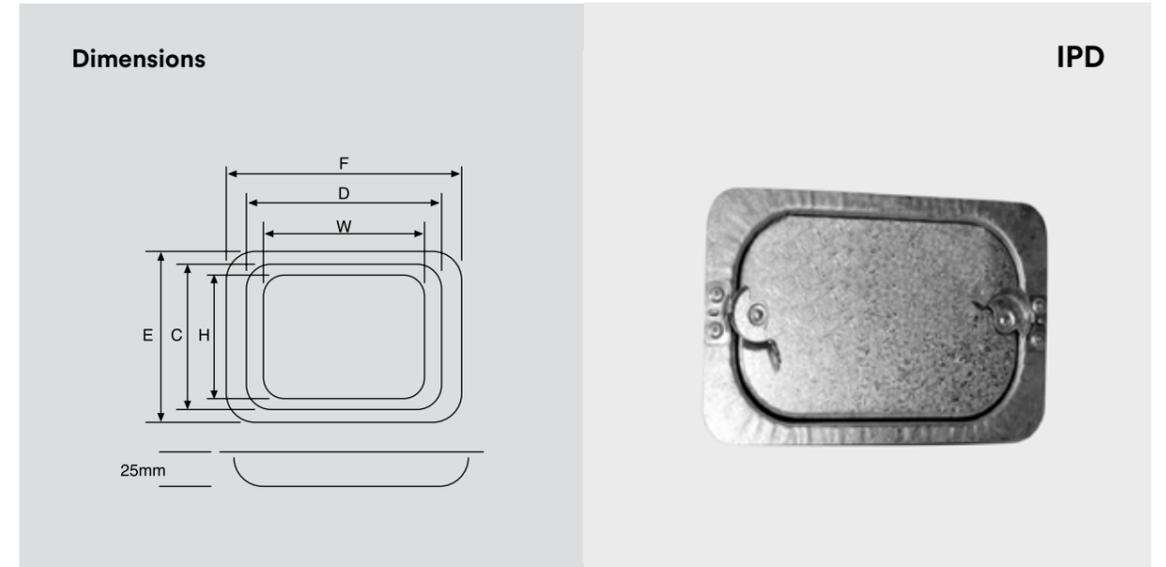
IPF is intended for fitting on rectangular ductwork. Standard IPF is supplied in galvanized steel construction, but can be delivered in aluminium or Stainless steel.

**Ordering**

Product Code: IPF - 200 x 100  
 Type \_\_\_\_\_  
 W \_\_\_\_\_  
 H \_\_\_\_\_

**Standard Sizes**

W	X	H
200	x	100
300	x	200
400	x	300
500	x	400
600	x	500



**Description**

Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to fire dampers, volume control dampers, filters etc.

**Ordering**

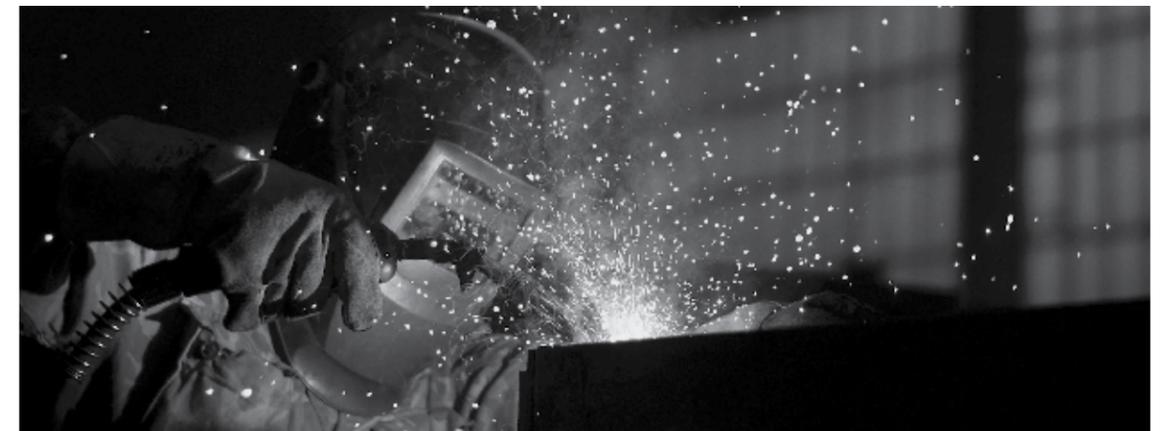
Product Code: IPD - 463 x 327  
 Type \_\_\_\_\_  
 W \_\_\_\_\_  
 H \_\_\_\_\_

The IPD Access door is airtight up to max. 2000 pa. (8" W.G.) supplied with rubber sealing strips along with Quick-acting closure for easy operation.

IPD is intended for fitting on rectangular ductwork.

**Standard Sizes**

W x H	C x D	E x F
608 x 463	500 x 649	548 x 699
463 x 327	368 x 500	418 x 548
332 x 198	240 x 375	286 x 422
206 x 116	150 x 240	195 x 288



**ADA**



**Description**

Uninsulated sandwich type access doors give easy access to rectangular ducts which require a regular access for maintenance and inspection of air dampers, filters and etc.

**Standard Sizes**

W	X	H
600	x	450
450	x	350
300	x	200
250	x	150

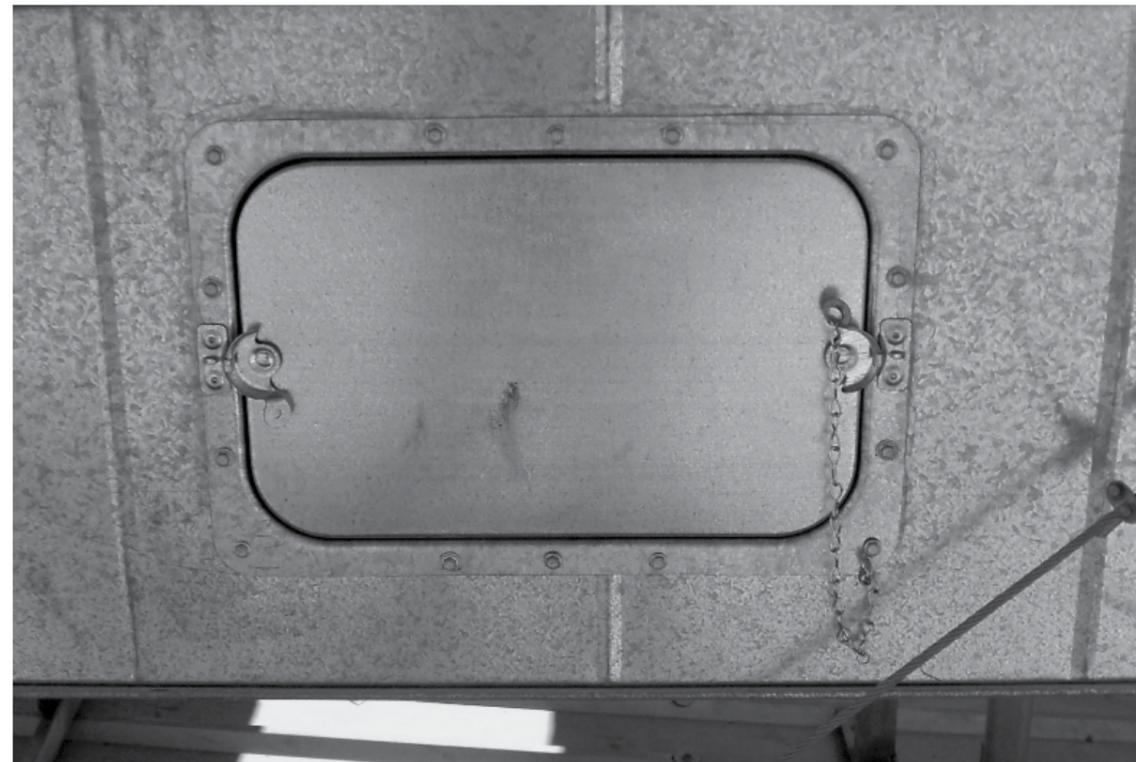
**Ordering**

Product Code: ADA - 250 x 150

Type \_\_\_\_\_

W \_\_\_\_\_

H \_\_\_\_\_



**Description and Specifications**

**TLP - H or C**  
Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to fire dampers, volume control dampers, filters, etc.

**Type TLP - H**  
Continuous hinge on one edge.  
One camlock on opposite edge up to 350mm.  
Two camlocks on opposite edge on larger sizes.

**Type TLP - C**  
Self tightening camlocks  
2 per unit up to 350mm  
4 per unit on larger sizes

**Option**  
Glass inspection code  
TLP - HG  
TLP - CG

**Standard Sizes**

Sizes of access doors similar to TL 675 must be specified along with spiral or round duct dia.

**TLP - H**  
**TLP - C**



**Ordering**

Product Code: TLP-H - 400 / 350 / 300

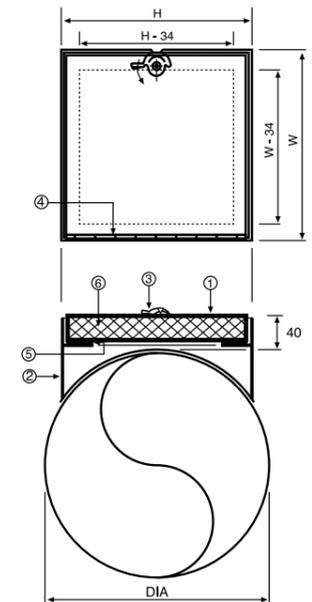
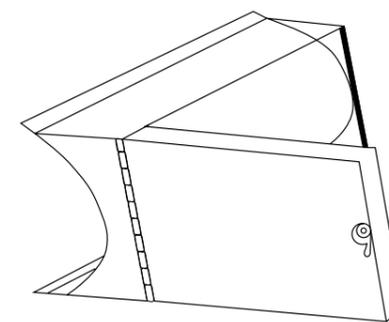
Type \_\_\_\_\_

∅d \_\_\_\_\_

W \_\_\_\_\_

H \_\_\_\_\_

**Dimensions**

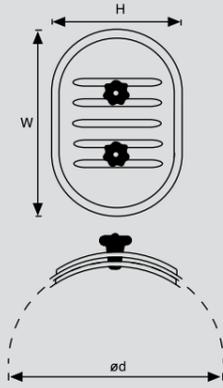


**TLP - H LEGEND:**  
 1. Door Panel 2. Frame 3. Self Tightening Camlocks  
 4. Continuous Hinged 5. Gasket 6. Mineral Wool Insulation

### IPLR



### Dimensions



#### Description

IPLR is intended for fitting on circular ductwork. Template for hole-cutting in ductwork is supplied. Standard IPLR is supplied in galvanized steel construction but, can be delivered in aluminium or stainless steel.

#### Ordering

Product Code:

Type

ød

ød	W	x	H
80	180	x	80
100	180	x	80
112	180	x	80
125	180	x	80
140	200	x	100
150	200	x	100
160	200	x	100
180	200	x	100
200	200	x	100
224	200	x	100
250	200	x	100
280	200	x	100
315	200	x	100
355	300	x	200
400	300	x	200
450	300	x	200
500	300	x	200

ød	W	x	H
560	400	x	300
630	400	x	300
710	400	x	300
800	400	x	300
900	400	x	300
1000	500	x	400
1120	500	x	400
1250	500	x	400

### Specifications

**Type TL 677**

- Double skinned door panels of galvanized steel with mineral wool insulation.
- Closure and opening is by double lever locking handles which can be operated from both sides.
- The door panel is supplied with neoprene seal temperature resistant upto +80°C.
- Door panels are designed to provide access to plant rooms, air handling units and in filter plenums.

**Option**

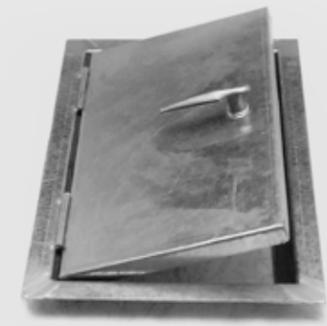
- \* Glass inspection code TL 677 G
- \* Builders cleats code TL 677 C, & illustrated.
- \* Epoxy coated, code TL 677 E
- \* Stainless steel construction, code TL 677 S.

### Standard Sizes

W	X	H
500	x	1500
600	x	1600
600	x	1800
800	x	1800
1000	x	1940

\*Other sizes available on request.

### TL 677



### Ordering

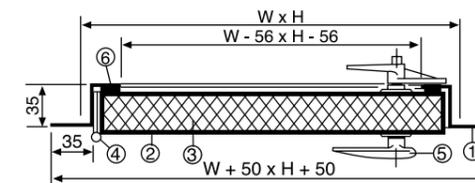
Product Code:

Type

W

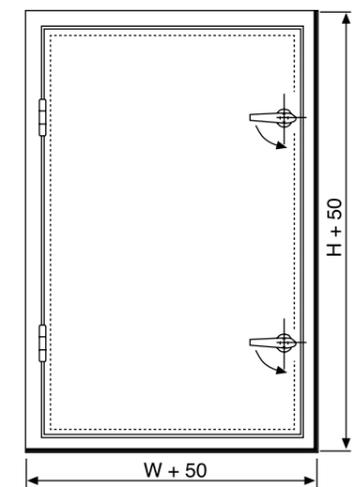
H

### Dimensions



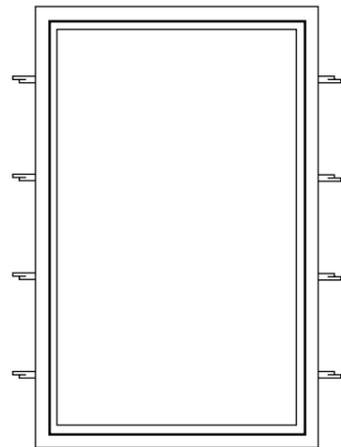
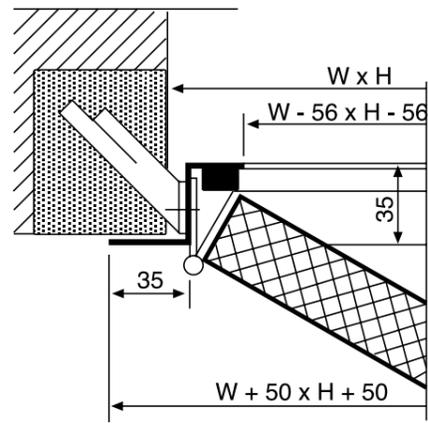
### TL 677 LEGEND

1. Frame
2. Door panel
3. Mineral wool insulation
4. Hinges
5. Lever locking
6. 12 mm wide gasket



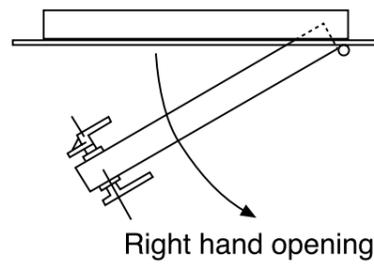
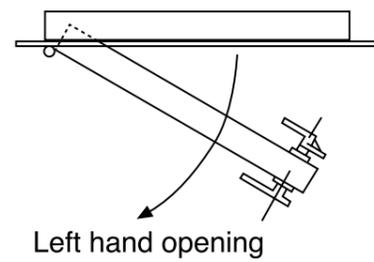
TL 677

Builders Cleat Details

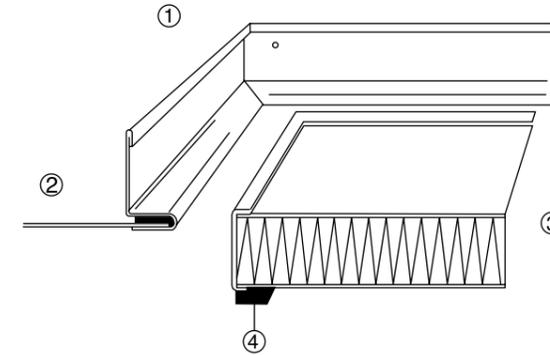


W x H	no. of cleats on H. dimension
500 x 1500	3
600 x 1600	3
600 x 1800	4
800 x 1800	4
1000 x 1940	4

Door Opening



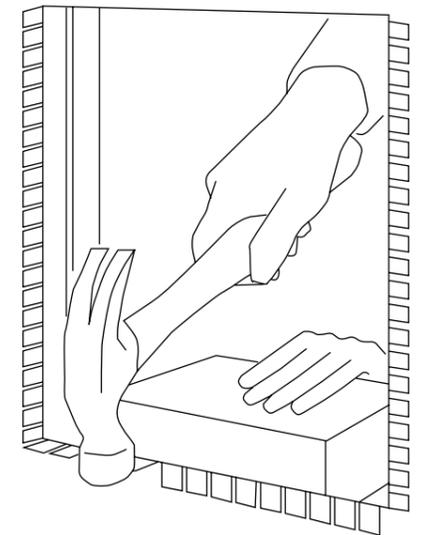
Installation Method for TL 675 H, BH and C



- ① Frame
- ② Duct
- ③ Mineral Fibre
- ④ Seal (gasketing)

Method statement for installation is as follows:

1. Cut opening in the ductwork to dimensional detail as in sketch (opening should be less 28mm for L and H than access door size) appropriate for the size of access panel to be fitted.
2. Place the access panel frame in the cut aperture. Ensure the frame is fully pushed into the aperture to compress the frame seal against the ducting and knock over the fishtab cut outs to fix the frame.
3. Locate the access panel in the frame and positively close using cam lock fasteners.

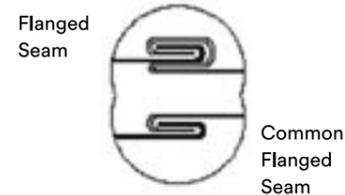
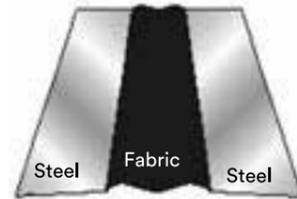
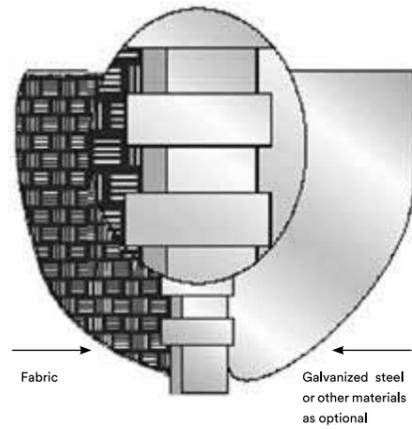


Duct and subframe must be supported while forming the tabs



# 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.

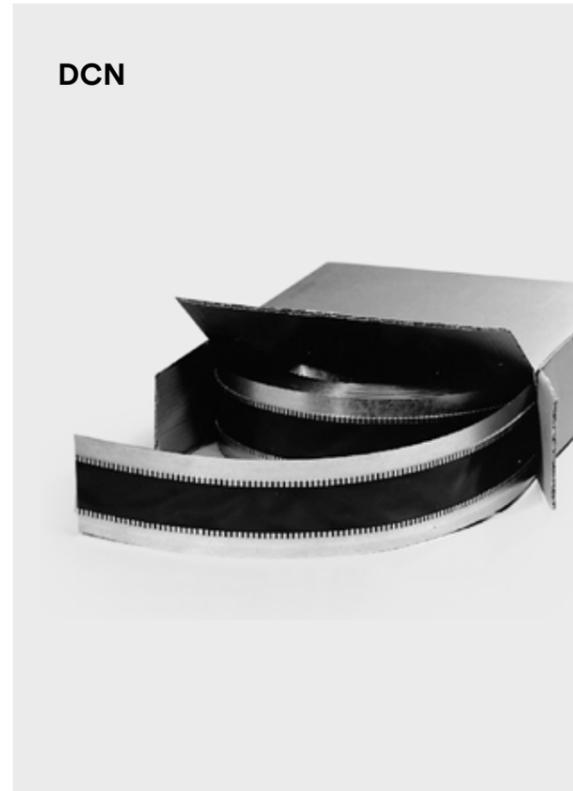
Fire Resistance:  
See on page 36.

**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

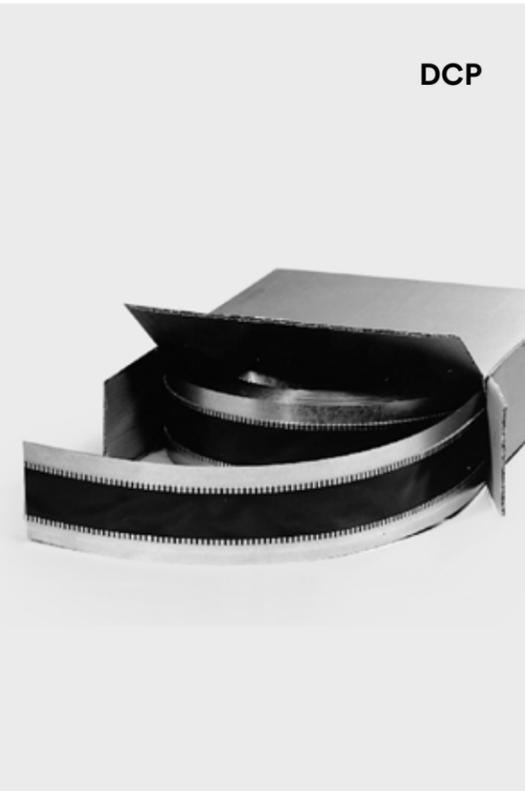
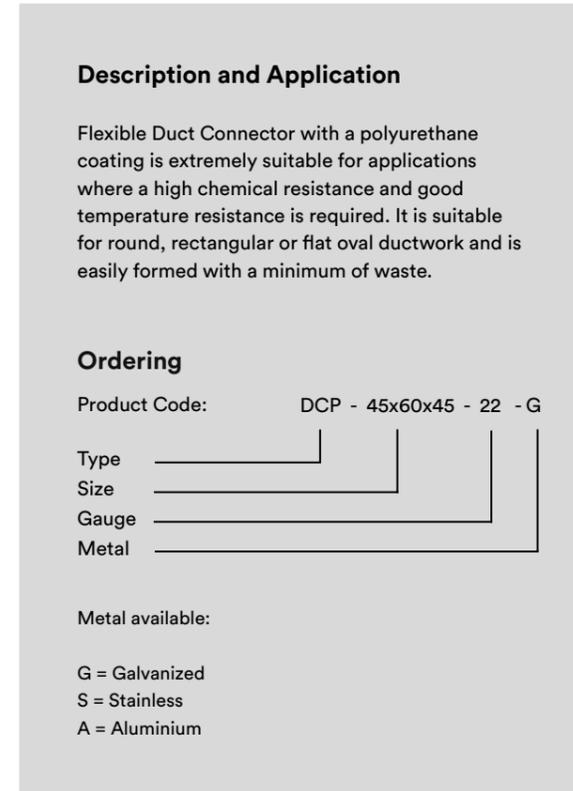
Fire Resistance:  
See page 36

**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.

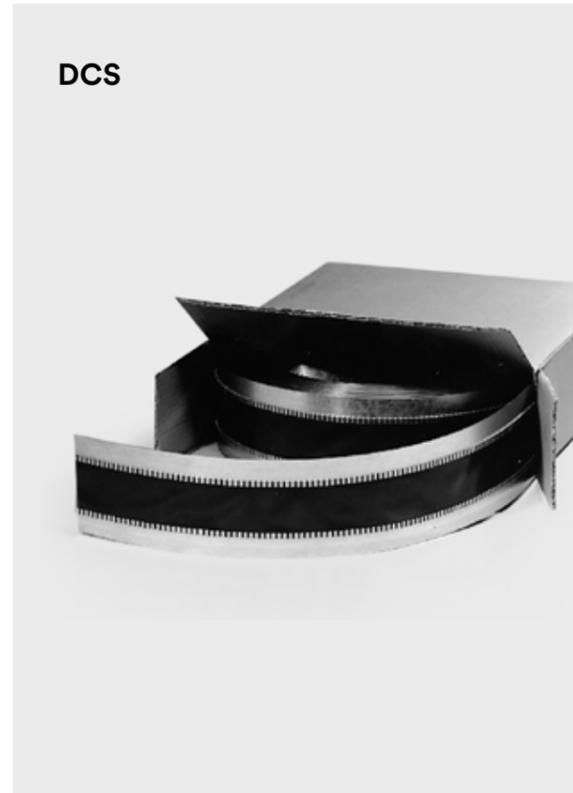
Fire Resistance:  
See on page 36

**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.

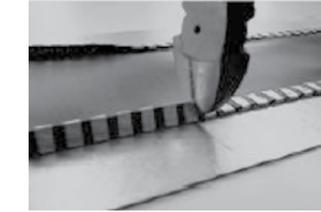
Standard Sizes:

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.



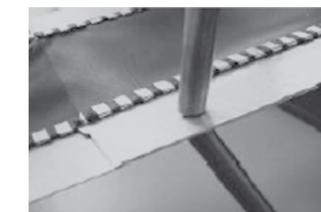
Lift the seam outward to a right angle.



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	○	○	■■	■■

# FLANGES & ACCESSORIES

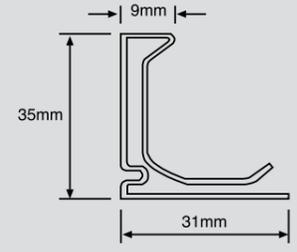
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**SAF - 35 SLIDE ON FLANGE**

**Dimensions**



**Description**

SAFID Slide on Flange is manufactured of roll formed galvanized steel of lockforming quality conform to ASTM A653 with G90 zinc coating and can be supplied in gauge 22 and 20.

SAF - 35, has been recommended and approved by DW 144 and SMACNA standards, 1995 for use as a duct joint for low, medium and high pressure systems. For more details please contact SAFID.

SAF - 35 can be supplied with integral mastic (sealant) to provide perfect seal between duct and flange.

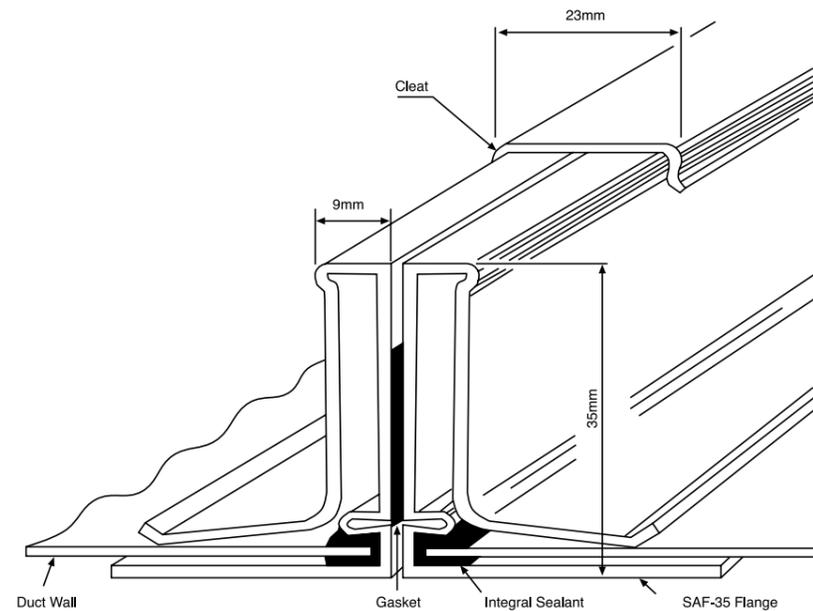
**Ordering**

Product Code: SAF-35 - 0 - 20

Type:  Without Sealant = 0  
 With Sealant = 1

Gauge:  22  
 20

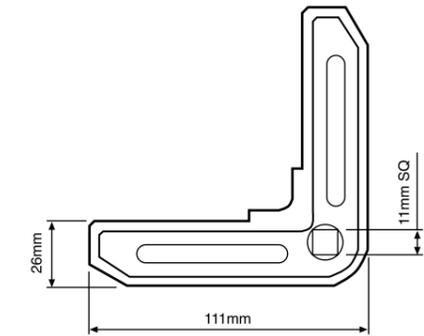
SAF - 35 - Flange Joint System



Corner Piece - SACP - 35



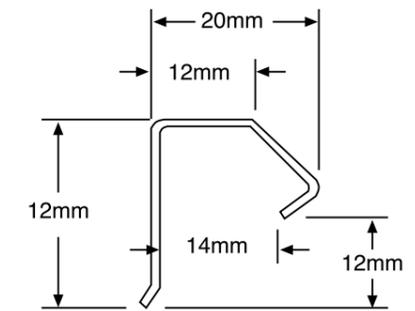
Dimensions



Cleat



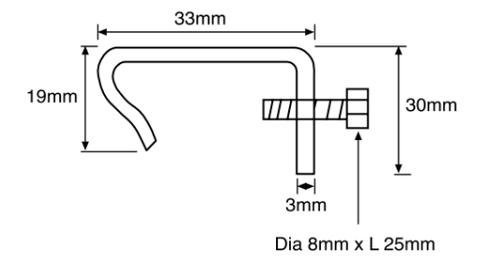
Dimensions



Clamp SACL - 30



Dimensions



GT - Tape



**Description**

The Gasket Tape (GT) is manufactured out of polyethelene foam with one side self adhesive and is appropriate for longlife in combination with a high air humidity and chemical inertness.

Standard Length: 10 meters per roll

**Type and Size:**

GT 4/12 mm - 4 mm thick, 12 mm wide, 10 rolls per bag  
GT 6/19 mm - 6 mm thick, 19 mm wide, 10 rolls per bag

ET



**Description**

ET is an EPDM/Neoprene modified elastomeric closed cell self-adhesive foam gasket tape for cooling and heating air duct connections to prevent air leakage, reduce vibration/ noise and also serves as thermal insulation to prevent condensation and heat transfer. With acrylic pressure sensitive adhesive. ET is easily installed on the surface of the connection joint.

Standard Length: 10 meters per roll

**Type and Size:**

ET052010 - 5 mm thick, 20 mm wide

Bolts and Nuts



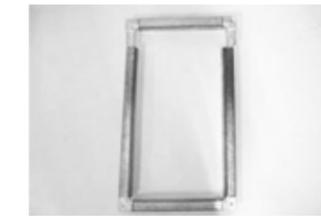
**Description**

Bolts & Nuts are built of galvanized steel hexagonal cap screw full thread with galvanized hexagonal nut.

Bolts = M10 x 30mm  
Nuts = M10



1. Insert SAFID Corner Piece as in photo above.



2. Assemble SAF - 35 Flanges and Corners to have a complete frame.



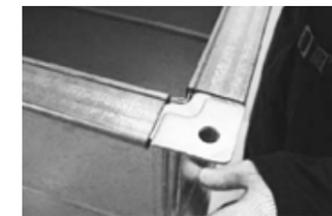
3. Fix completed SAF Flange frame at corner of duct section.



4. Corner of duct section must clear SAFID Corner Piece.



5. If duct section Corner is not clear tap the frame outwards to allow duct section to clear and slide past the SAFID Corner Piece.



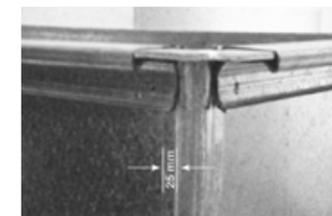
6. The duct section must be seated to the SAF - 35 so that leading edge of the duct section penetrates the mastic sealer. The corners of duct section should project above SAFID Corner Pieces.



7. Establish metal to metal connection along the full length of the slide on flange.



8. Hold SAF - 35 temporarily by clamps until permanent fixing (spot welding or drilling) as shown in next picture.



9. It is recommended that SAF - 35 Flanges are fastened to duct section within 25mm of the end of SAF - 35 Flange.



10. Fix and move in one direction around the duct flange. Do not attempt to fix flange at corners first, it could cause location problems.

- SAF - 35 Flange can be fixed to duct sections with either self drilling screws, rivets or spot welds. Spot welding is highly recommended for a better quality fabrication and installation (avoiding holes in the ducts).
- SAF - 35 to be fixed at maximum intervals of 150mm for all pressure classes ( 2" - 500Pa, 4" - 1000Pa and 10" - 2500Pa).





**Description**

Cold Shrink Tape is a heavy duty self vulcanizing pressure sensitive, all weather tape incorporating an aluminum foil backing.

**Construction:**

The tape has been built up out of 2 layers. The outer layer is an aluminum-foil with a thickness of 40 microns and provides adhesion and good processing. The inner layer consists of a butyl rubber sealing coat, adhering to each surface. The sealing coat has been covered with polyethylene layer. The total thickness is 0.95mm.

**Applications:**

ASB - 700 can be used for the sealing of: ducting, glazing, bars, roof, flashing, gutters and downpipes, brickwork joints, concrete and asbestos roofs.

**Advantages:**

- It has an excellent all weather resistance and provides a positive watertight bond that gets stronger with age. The tape is impervious to wind, rain and snow when correctly applied.
- ASB - 700 can be overpainted without any special preparation.
- The bonding surface must be commercially clean and free of moisture. The tape should be pressed down firmly when applied, the ease of application should reduce labour costs substantially over other methods.

**Specifications**

**Backing:**

0.1mm Aluminum Foil

**Adhesive:**

0.85mm Elastomeric Sensitive

**Temperature Range:**

-40 °C to +80 °C.

**Application Temperature:**

-5 °C to +80 °C.

**Working Pressure:**

Max. 200mm WG (1960 Pa. Or 7.8" WG)

**Flexibility:**

Excellent

**Water Resistance:**

Excellent once applied (surface must be dry before application).

**Adhesion:**

The product adheres completely within 24 hours. The adhesion to galvanized steel is 2.0 kg/cm if the surface is dry, fat free and dust free.

**Fire Resistance:**

After testing the tape has been classified into class B2, according to DIN 4102.

**Storage:**

ASB has a lifespan of one year if the packaging is dry and sealed.

**Packing**

**Standard Length:**

15 meter per roll

**Type:**

- ASB 7050 - 24 rolls/carton - 50 mm wide
- ASB 7075 - 16 rolls/carton - 75 mm wide
- ASB 7100 - 12 rolls/carton - 100 mm wide



**Description**

DEC Cast Two Component Sealing System, FS - 2000 is a non-flammable adhesive, to be used in conjunction with DEC cast type DEC - 50 duct tape, to seal low, medium and high pressure HVAC duct systems. It forms an effective airtight seal and can also be used for pipe covering. FS - 2000 is fast, easy to apply and adheres to metal, plastic, wood, glass, plaster, cement and most other porous materials. A special adhesive applicator is available for ease of use.

**Applications:**

FS - 2000 and DEC 50 tape is easily applied and suitable for use on high/medium/low pressure interior galvanized systems of spiral ducting, rectangular ducting and plenums. It also effective and has good adhesion of plastic, wood, glass, plaster, cement and most porous materials. Torn and damaged lagging can also be repaired to give a permanent cover.

**Advantages:**

- When the liquid applicator is applied to the tape a chemical action takes place and it becomes soft and pliable. It can then be applied around/over the area to be sealed. There is no requirement to clean the surface before application as it is can adhere to both damp and greasy areas.
- It is non-toxic and non-flammable in both 'wet' and 'dry' condition and can be applied in temperatures of 10 °C. It can bond equally well over semi-rigid (insulated materials) or rigid (ducting piping, valves, etc.) surface and will conform to almost any irregular shape to provide a 100% airtight seal.
- The seal will not deteriorate with age or being in contact with salt, oil, grease, petroleum, solvents or cleaning compounds. It will also resist 'mildew' and high humidity 'rot'.

**Specifications**

**General:**

The FS - 2000 and DEC 50 tape 'two component' system achieves its high bonding property through a chemical reaction when the activator is applied to the tape. This reaction creates a semi-solid 'cast' which is impervious to moisture and most acids. After a short drying period it sets into an effective seal, that will be unaffected by temperature changes.

**Temperature Range:**

40 °C to +120 °C.

**Application Temperature:**

Upwards of -10 °C.

**Working Pressure:**

Max. 400mm WG (4000 Pa or 16" WG)

**Elongation:**

Limited

**Flexibility:**

Permanent

**Water Resistance:**

Very Good

**Drying Time:**

4 to 24 hrs. dependent on temperature and humidity.

**Color**

Grey

**Packing**

FS-2000 Adhesive - 4 liters can, 3 cans per box  
 DEC 50 Tape - 90m long x 75mm wide,  
 5 rolls per box.



**Description**

Gasket Tape (GT) is particularly appropriate to circumstances where a longlife in combination with a high air humidity resistance and chemical inertness is required. The tape is hardly subject to decay. The tape has also a thermic insulating character. It is often used as a ceiling material in ventilation systems and machine building.

Construction:

The tape has been manufactured out of polyethelene foam with one side self adhesive. The elongation is about 40% (DIN 53577).

The tape has not been provided with a protection layer.

**Specifications**

Temperature Range:

-30 °C up to 80 °C.

Color:

Grey

Adhesion:

The adhesion is 1,0kg/2.5cm if the surface is fat free and dust free.

Fire Resistance:

Classified in class B3 according to DIN 4102 (Germany).

Storage:

GT Tape has a lifespan of one year at room temperature if the packaging is sealed.

**Packing**

Standard Length:

10 meter per roll

Type:

GT 4/12 mm: 4 mm thick, 12 mm wide, 10 rolls per bag  
 GT 6/19 mm: 6 mm thick, 19 mm wide, 10 rolls per bag

Other widths and thicknesses are available on request.



**Description**

ET is an EPDM/Neoprene modified elastomeric closed cell self-adhesive foam gasket tape for cooling and heating air duct joint connections to prevent air leakage, reduce vibration/noise and also serves as thermal insulation to prevent condensation and heat transfer. With acrylic pressure sensitive adhesive. ET is easily installed on the surface of the connection joint.

**Specifications**

Material:

EPDM/Neoprene modified closed cell sponge

Service Temperature:

-40 degrees °C. up to 120 degrees °C.

Color:

Black

Density:

8-11 lbs/ft<sup>3</sup> (0.13 - 0.18g./cm<sup>3</sup>)

Tensile Strenght:

Min. 50 PSI (3.5kg/cm<sup>2</sup>)

Thermal Conductivity:

0.35 BTU. in/ft<sup>2</sup> h °F at 75 °F (0.050 W/mK @24 °C)

Adhesive:

Acrylic Pressure Sensitive Adhesive.

Flammability:

- Class HB: UL-94
- Self-Extinguishing: ASTM D 635
- B2: DIN 4102
- Non-Flammable: JIS K 6911

**Packing**

Standard Length:

10 meter per roll

Type:

ET052010: 5 mm thick, 20 mm wide

Other widths and thicknesses are available on request.

## DUCT SEALANT

DS - 32 - 17



### Description

DS - 32 - 17 duct sealant is fire retardant, non-toxic, aquabased, vapor barrier sealant for use in HVAC low, medium and high pressure air duct systems. It has an excellent adhesion to galvanized steel, stainless steel and aluminum. It is highly recommended in application where fibrous glass and other types of insulations are bonded to the interior or exterior of metal duct systems. It does not contain asbestos, lead, mercury or mercury compound which will be harmful to health.

#### Applications:

DS - 32 - 17 duct sealant can be used for sealing slip joints and flange joints of rectangular ducts, flat oval ducts or spiral ducts and plenums. It is highly recommended for use in sealing longitudinal seams of rectangular ducts and plenums. It can be applied easily by means of cartridge gun.

#### Advantages:

DS - 32 - 17 duct sealant with high resistance to mold, mildew, water, oil, grease, diluted alkalis, acids and temperature changes which provides a very good combination of flexibility and strength is highly recommended in sealing application for positive or negative low, medium and high pressure air duct systems. It performs as tough and flexible adhesive and sealant, forming a durable seal against air leakage.

### Installation

When cartridge gun will be used, it is recommended to stroke the duct sealant to make sure to get a good adhesion for the best result. However, it is advisable to clean the surface of ducts before application of sealant to attain best result. DS - 32 - 17 is waterbased duct sealant without any solvents; hands and tools can be cleaned with water.

### Specifications

#### Color:

Grey

#### Weight:

455 grams/cartridge

#### Solids:

77% ± 1.5%

#### Laboratory Test Pressure:

Up to 10 inch W.G. (2500 Pa)

#### Application Temperature:

+5°C to 40°C

#### Service Temperature:

-10°C to 120°C

#### Storage Temperature:

Store in cool and dry place about 20°C.

#### Drying Time:

4 - 24 hours

#### Coverage:

40 - 55 ft<sup>2</sup>/gal

#### Flash Point:

Non-Flammable

#### Water Resistance:

High Resistance to Water

### Packing

1 box of DS - 32 - 17 = 24 cartridges, 455 grams each.

