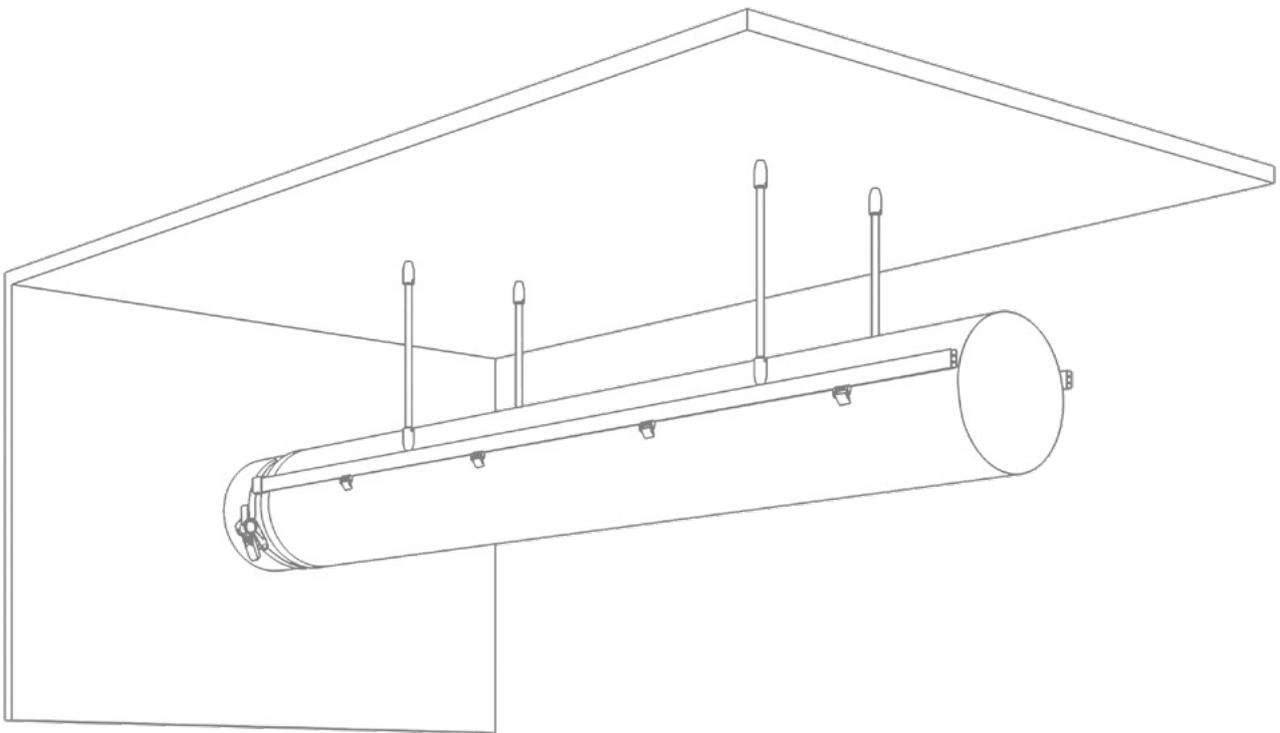


# Type 06

## Installation Manual



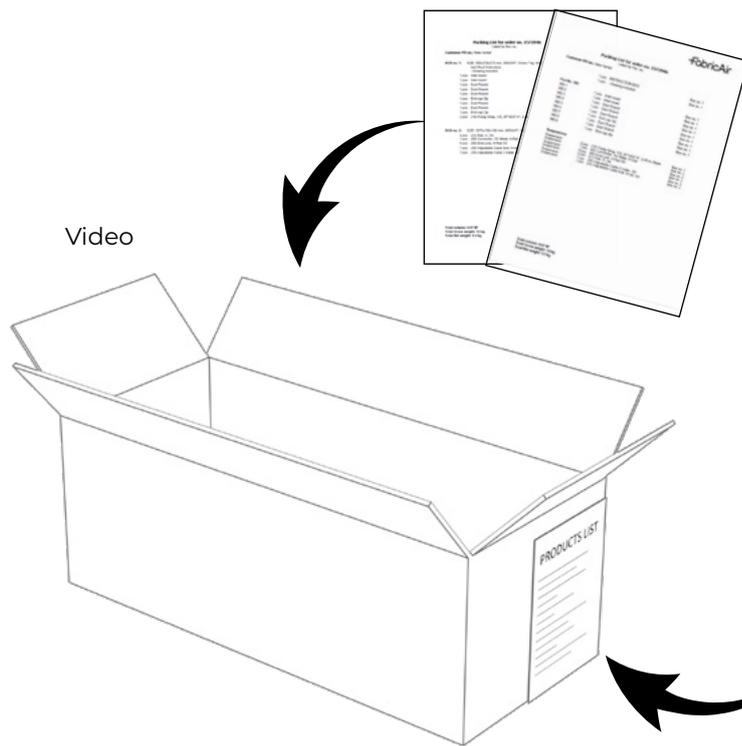
Type 06 suspension is compatible with classic ducts without shape retaining hardware.

Type 06 suspension is a rigid, double H-Rail suspension with aluminum rod supports connecting the H-Rail to the ceiling structure.

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# 1.0 OPENING PACKAGE



Box 1 includes all project documentation:

- System Drawing(s)
- Installation Guide
- Packing List (by box)
- Packing List (by positions)

Box number and contents list visible on external box label.



FabricAir		
<b>Packing List for order no. 1572946</b> Listed by Pos. no.		
Customer PO no.: Nate Verbal		
	1 pcs INSTRUCTION BAG	Box no. 1
	1 pcs - Drawing included	Box no. 1
<b>Pos No. 100</b>		
100.1	1 pcs Inlet round	Box no. 1
100.2	1 pcs Inlet round	Box no. 1
100.3	1 pcs Duct Round	Box no. 1
100.4	1 pcs Duct Round	Box no. 1
100.5	1 pcs Duct Round	Box no. 1
100.6	1 pcs End cap Zip	Box no. 1
100.7	1 pcs Duct Round	Box no. 1
100.8	1 pcs Duct Round	Box no. 1
100.9	1 pcs End cap Zip	Box no. 1
<b>Suspensions</b>		
Suspension	2 pcs (18) Fixing Strap, Y/Z, Ø710/27.9", 2.46 m, Black	Box no. 1
Suspension	1 pcs (06) Connector, SS Metal, H-Rail	Box no. 2
Suspension	6 pcs (08) End Lock, H-Rail SS	Box no. 2
Suspension	4 pcs (21) Rail, H, 2m	Box no. 2
Suspension	7 pcs (38) Adjustable Cable 2 meter, SS	Box no. 2
Suspension	7 pcs (36) Adjustable Cable lock, H-rail, SS	Box no. 2
<b>Total volume: 0.07 M<sup>3</sup></b> <b>Total Gross weight: 12 kg</b> <b>Total Net weight: 9.3 kg</b>		

FabricAir		
<b>Packing List for order no. 1572946</b> Listed by Box no.		
Customer PO no.: Nate Verbal		
<b>BOX no. 1:</b>	SIZE: 590x210x275 mm, WEIGHT: Gross 7 kg, Net 5.9 kg.	
	INSTRUCTION BAG - Drawing included	
	1 pcs Inlet round	Tag No. 100.1
	1 pcs Inlet round	Tag No. 100.2
	1 pcs Duct Round	Tag No. 100.3
	1 pcs Duct Round	Tag No. 100.4
	1 pcs Duct Round	Tag No. 100.5
	1 pcs End cap Zip	Tag No. 100.6
	1 pcs Duct Round	Tag No. 100.7
	1 pcs Duct Round	Tag No. 100.8
	1 pcs End cap Zip	Tag No. 100.9
	2 pcs (18) Fixing Strap, Y/Z, Ø710/27.9", 2.46 m, Black	Suspension
<b>BOX no. 2:</b>	SIZE: 2070x150x100 mm, WEIGHT: Gross 5 kg, Net 3.45 kg.	
	4 pcs (21) Rail, H, 2m	Suspension
	1 pcs (06) Connector, SS Metal, H-Rail	Suspension
	6 pcs (08) End Lock, H-Rail SS	Suspension
	7 pcs (36) Adjustable Cable lock, H-rail, SS	Suspension
	7 pcs (38) Adjustable Cable 2 meter, SS	Suspension
<b>Total volume: 0.07 M<sup>3</sup></b> <b>Total Gross weight: 12 kg</b> <b>Total Net weight: 9.3 kg</b>		

- There are two packing lists – by box and by position. Each box may contain either suspension components or ducting. Each duct section/component has a Tag number (Tag No. XXX.X). Suspension elements have part ID numbers. Example: (21) H-Rail, 2 m. In this case, (21) is part ID.
- Tag numbers are marked in assembly sequence. Assembly of ducting should start with Tag No. XXX.1 and continue accordingly.

# 1.1 Understanding components table (located on system drawing)

COMPONENTS								
Tag#	Fabric	Color	Flow model			Suspension		
			Primary	Placement	Secondary	Type	Strap length	Material
350404600025	Combi 70	Black 3004			FabFlow		0	GV
100.1	Combi 70	Black 3004			FabFlow		0	GV
100.2	Combi 70	Black 3004	SonicFlow SonicFlow SonicFlow SonicFlow SonicFlow	2:00 3:00 4:00 5:00 6:00	FabFlow	Type 01 AiO	50 mm [2"]	GV

THE CHART SHOWN ABOVE IS AN EXAMPLE

**Tag#:** the unique number for that section, this is the identifying/unique number for that section.

**Tag 3504..##..25:** this part is the FabricAir flow straightener that helps manage turbulence and can be zipped into any joint.

**Fabric:** the fabric selected for this project.

**Color:** the color selected (standard meaning to select from the standard color chart for that fabric).

**Flow model primary:** primary dispersion method.

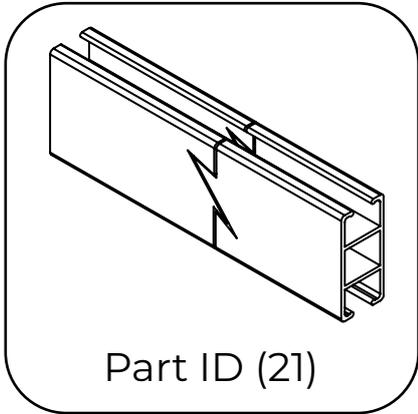
**Placement:** position of the holes; direction of airflow based on looking in the direction of airflow with the air hitting you from behind.

**Flow model secondary:** FabFlow for permeable fabrics.

**Suspension type:** the suspension model selected for the project.

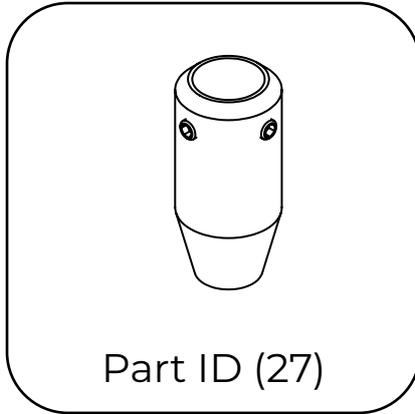
**Strap length:** the length of the strap from the top of the duct to the suspension.

## 1.2 Type 06 suspension components (located on packing lists)



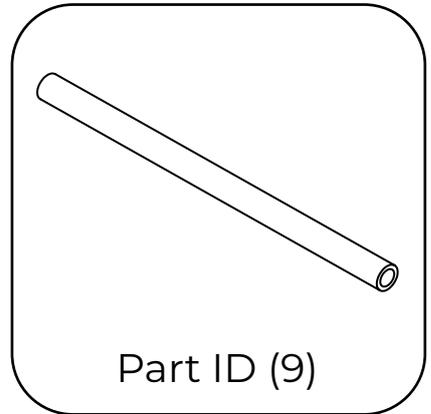
Part ID (21)

H-Rail profile



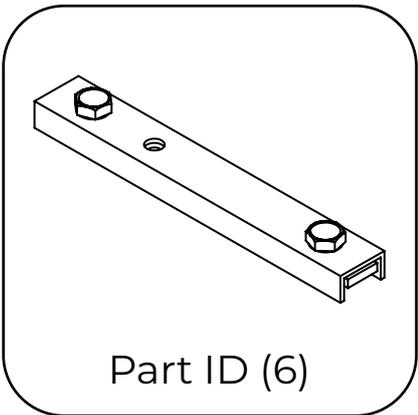
Part ID (27)

Rod end connector



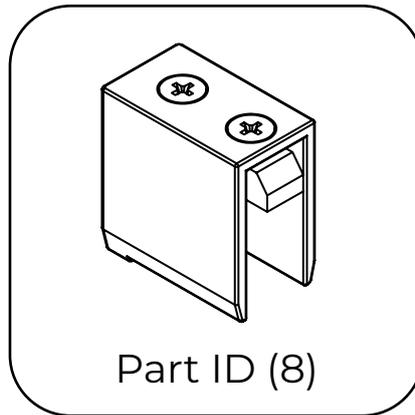
Part ID (9)

Rod



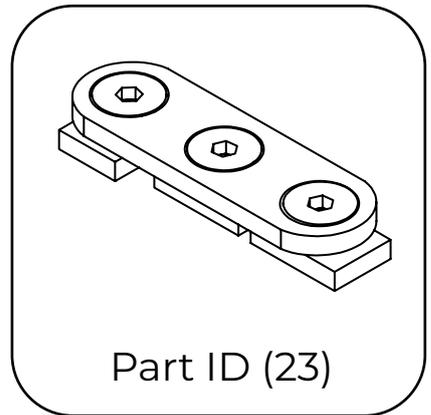
Part ID (6)

H-Rail connector



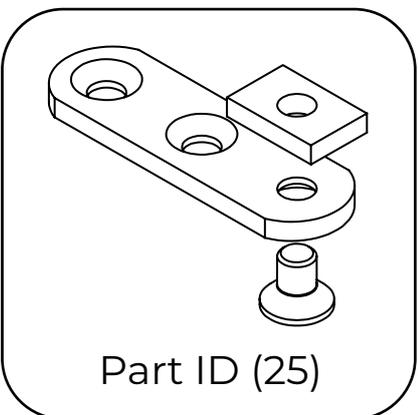
Part ID (8)

H-Rail endcap



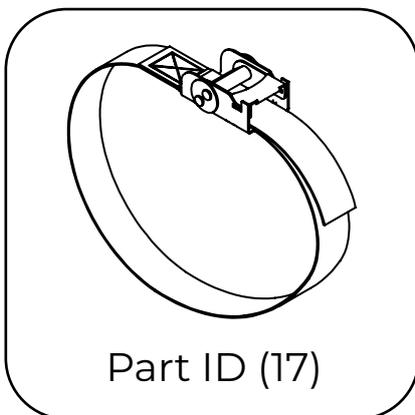
Part ID (23)

H-Rail tee connector



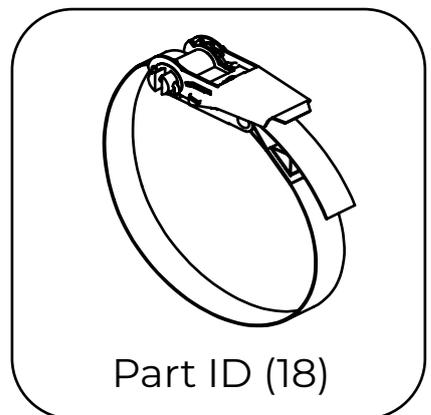
Part ID (25)

H-Rail ceiling  
connector



Part ID (17)

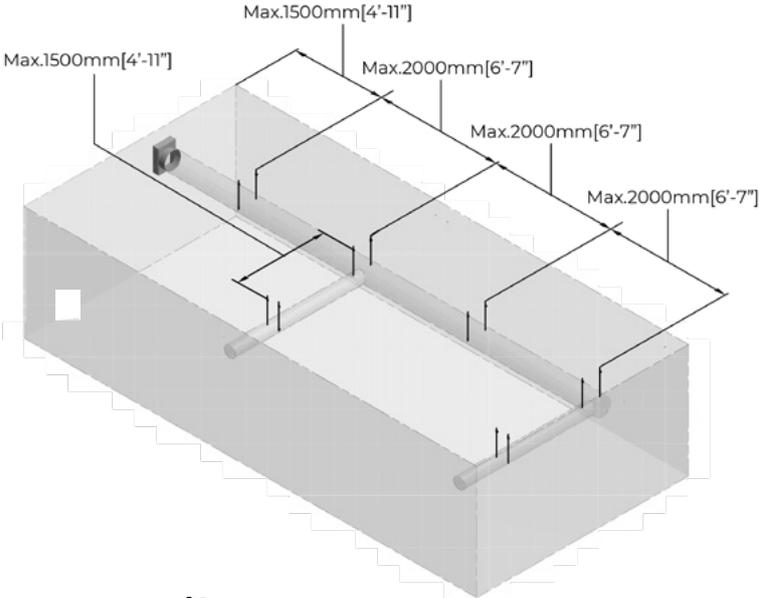
Fixing strap for duct  
 $\varnothing < 508$  mm [20"]



Part ID (18)

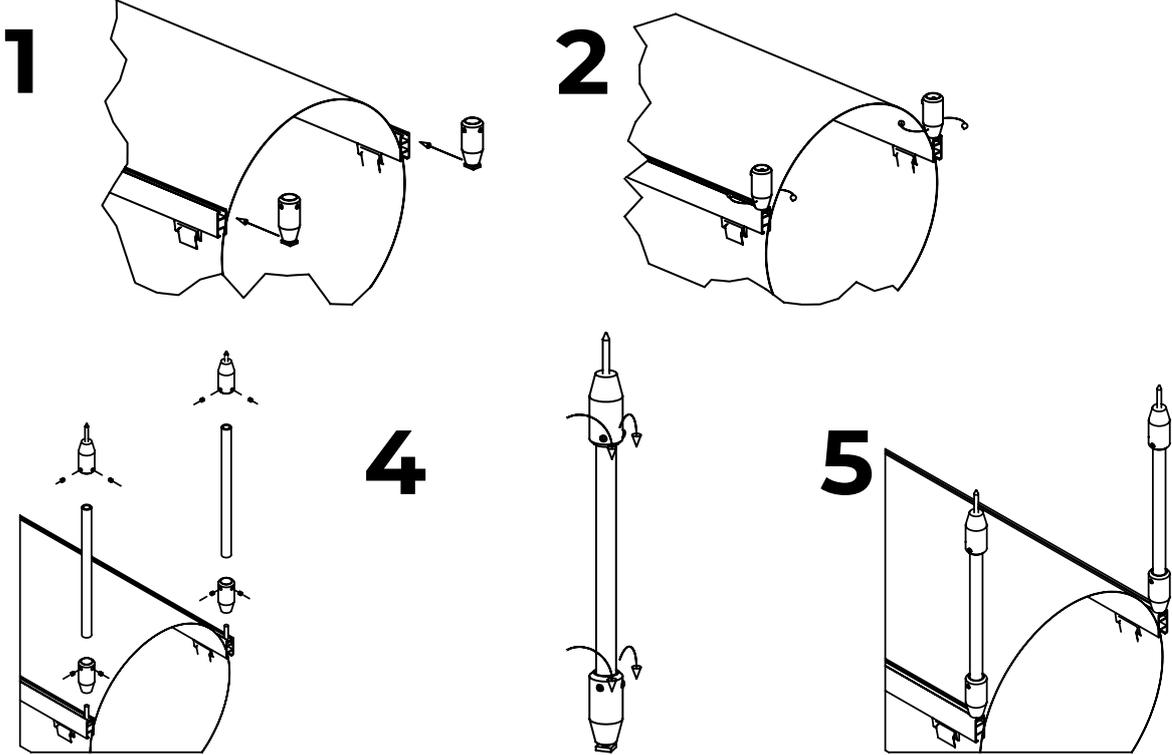
Fixing strap for duct  
 $\varnothing > 508$  mm [20"]

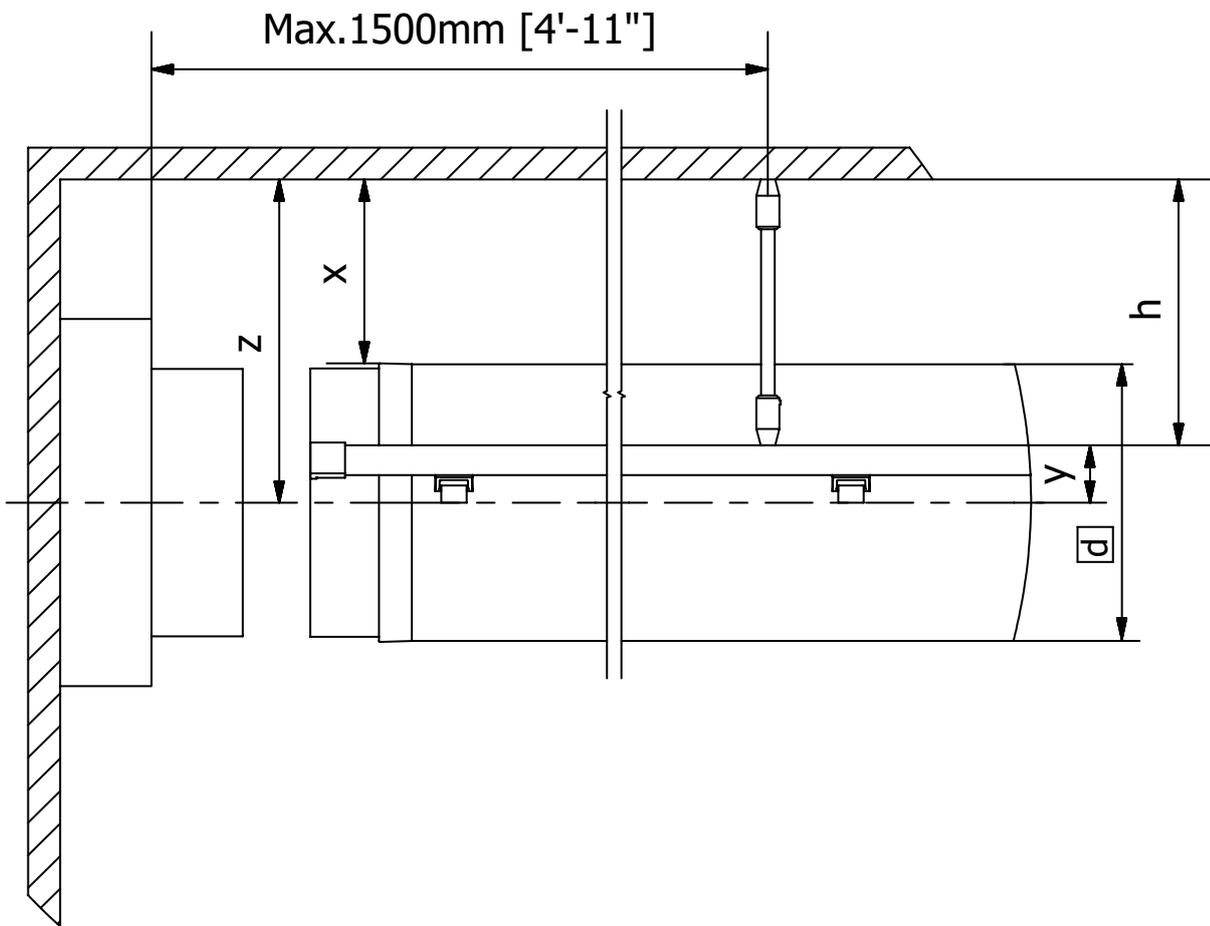
# 2.0 SUSPENSION INSTALLATION



Video

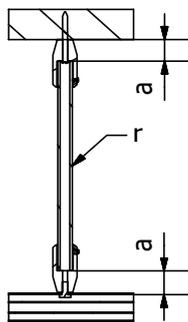
## 2.1 Mounting H-Rail





Rods are fastened to each connector using set screws (3 mm hex key).

Aluminum rods must be cut to length on-site by the contractor/installer.



$$r = h - 2a$$

$$h = z - y$$

$$x = z - 1/2 d$$

$$a = 22 \text{ mm}$$

$$Y = S + 33 \text{ mm [1.3"]}$$

Standard:

$$Y \text{ classic} = 63 \text{ mm [2.5"]}$$

$$Y \text{ RapidSlider} = 58 \text{ mm [2.25"]}$$

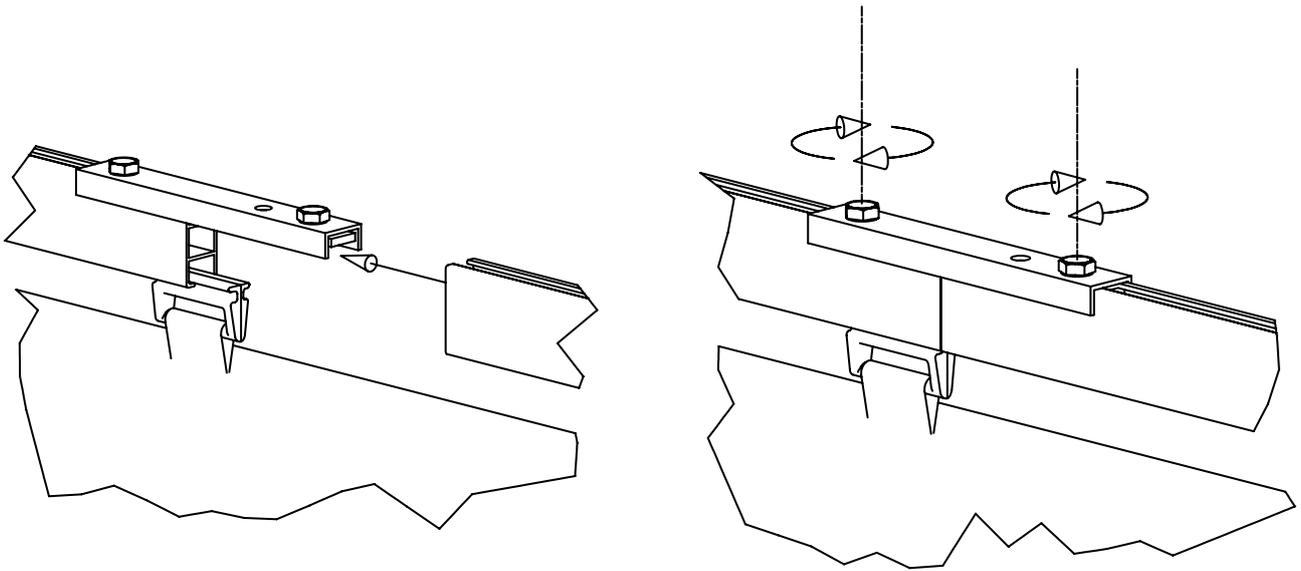
Dimensions given in squares (□) can be found in system drawings packed in the shipping box.

Standard strap length:

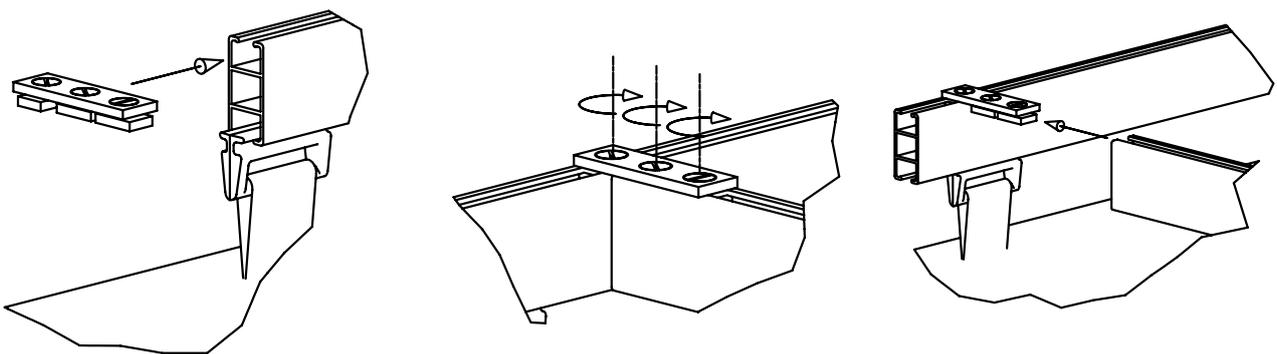
classic:  $S = 30 \text{ mm [1.2"]}$  minimum length

Strap lengths may be extended on Type 06 suspension, as needed to allow ducts to hang more than  $30 \text{ mm [1.2"]}$  below rail.

## 2.2 Connecting profiles



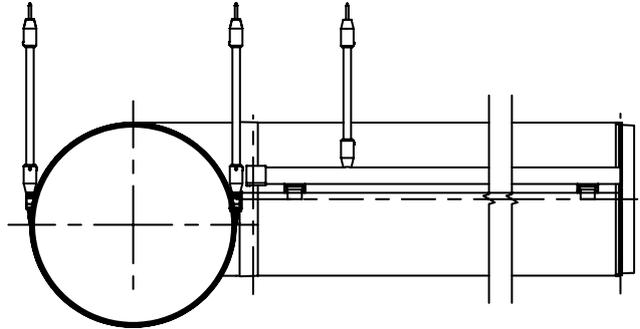
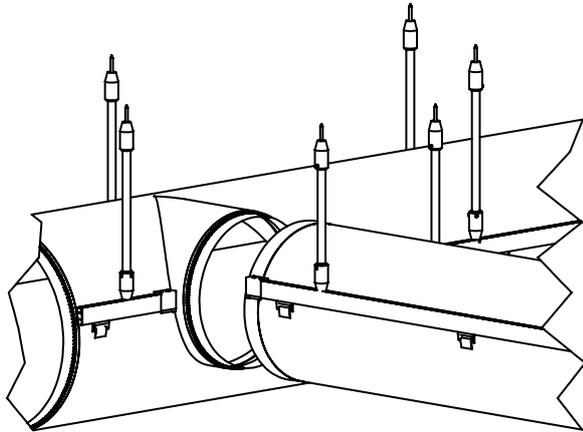
- H-Rail pieces are joined together using a metal connector.
- Duct will have sliders to slide into H-Rail at appropriate locations.
- Systems with elbows are provided with factory-bent H-Rail sections, to match the exact angle necessary for supporting the elbow.



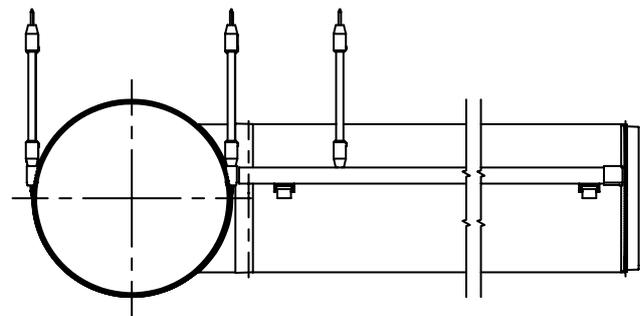
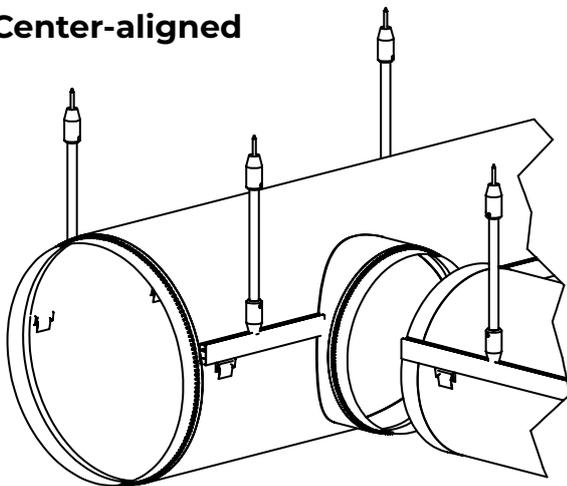
- H-Rail pieces are joined together using a metal connector.
- Connector secures to H-Rail with hex-bolts (3 mm).
- Duct will have sliders or a bulb edge to slide into H-Rail at appropriate locations.
- Rails can be bent to the exact angle needed to suit elbows in FabricAir duct system.
- Aluminum rods must be cut to length on-site by the contractor/installer.

## 2.3 Branches

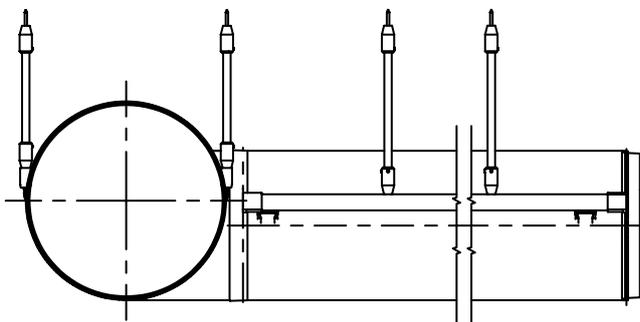
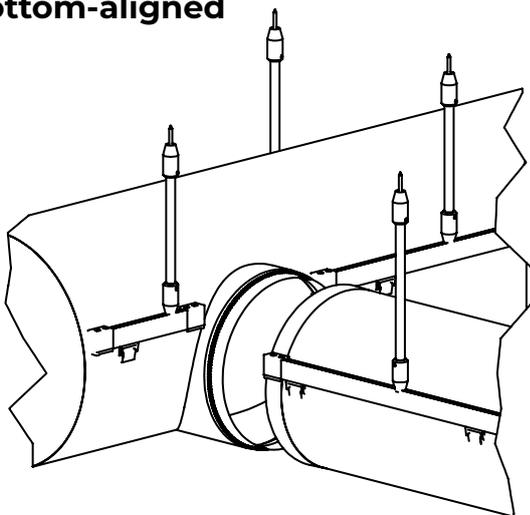
### Top-aligned



### Center-aligned



### Bottom-aligned

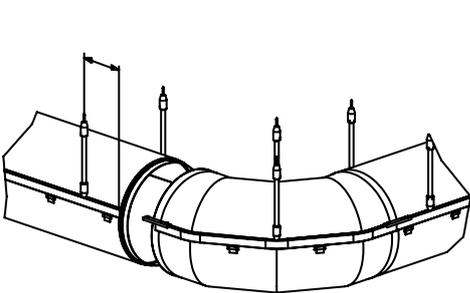


Multiple alignment can also be accomplished with extended straps.

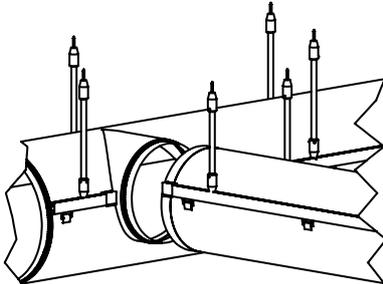
Extended straps must be decided upon prior to manufacturing/order placement

# 2.4 Detailed suspension installation

Use QR code for more detailed information for each type.



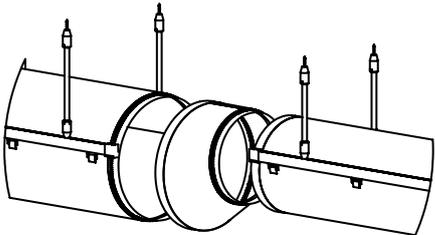
**Bendings and elbows**  
All degrees and sizes



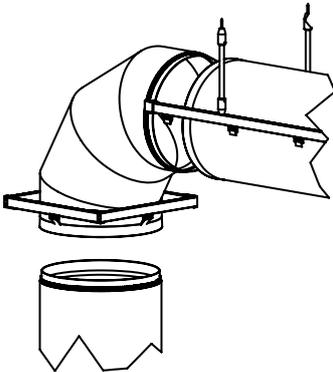
**Branches**  
Top/center/bottom aligned

Drawings

Drawings



**Reductions**  
Top/center/bottom aligned



**Vertical duct suspension methods**

Drawings

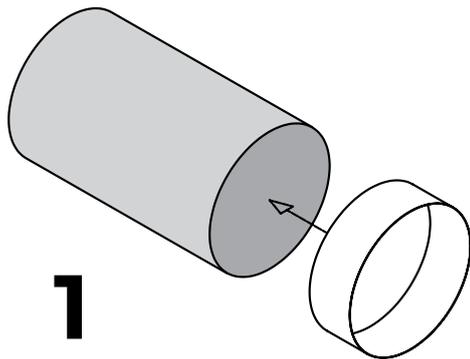
Drawings

# 3.0 HANGING THE FABRIC

## 3.1 Connection to sheet metal part with fixing strap

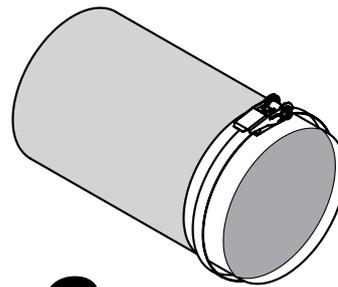
	Basic inlet	Cover inlet	Smart inlet
Min. metal duct length required	50 mm [2"]	50 mm [2"]	75 mm [3"]
Inlet length	Min. 50 mm [2"] Std. 100 mm [4"]	Min. and std. 100 mm [4"]	Min. and std. 100 mm [4"]

### Basic inlet



**1**

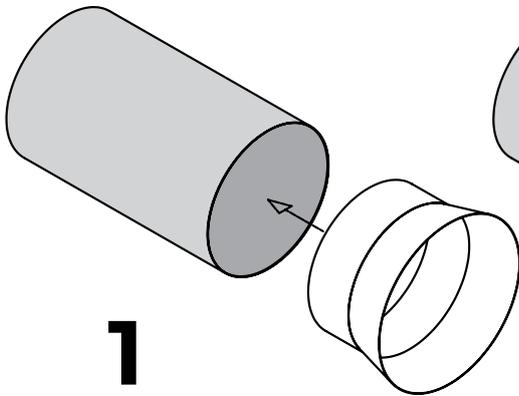
Put inlet on the duct



**2**

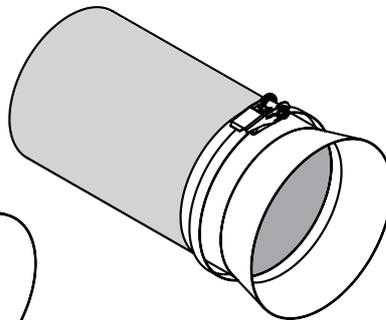
Put and tighten the fixing strap

### Cover inlet



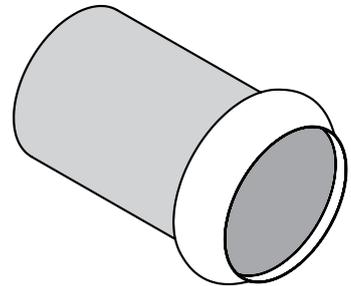
**1**

Put inlet on the duct



**2**

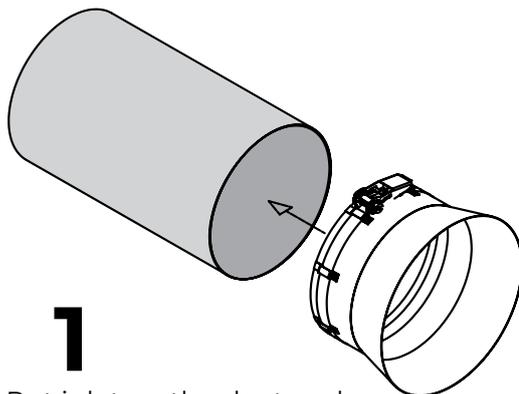
Put and tighten the fixing strap



**3**

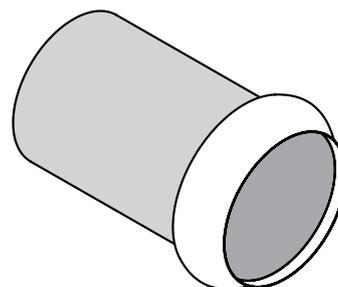
Close the cover

### Smart inlet



**1**

Put inlet on the duct and tighten the fixing strap

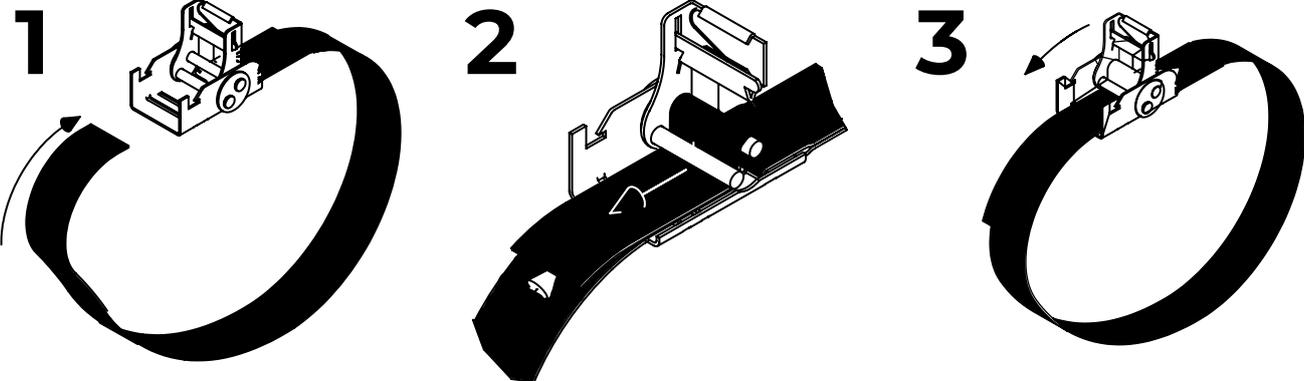


**2**

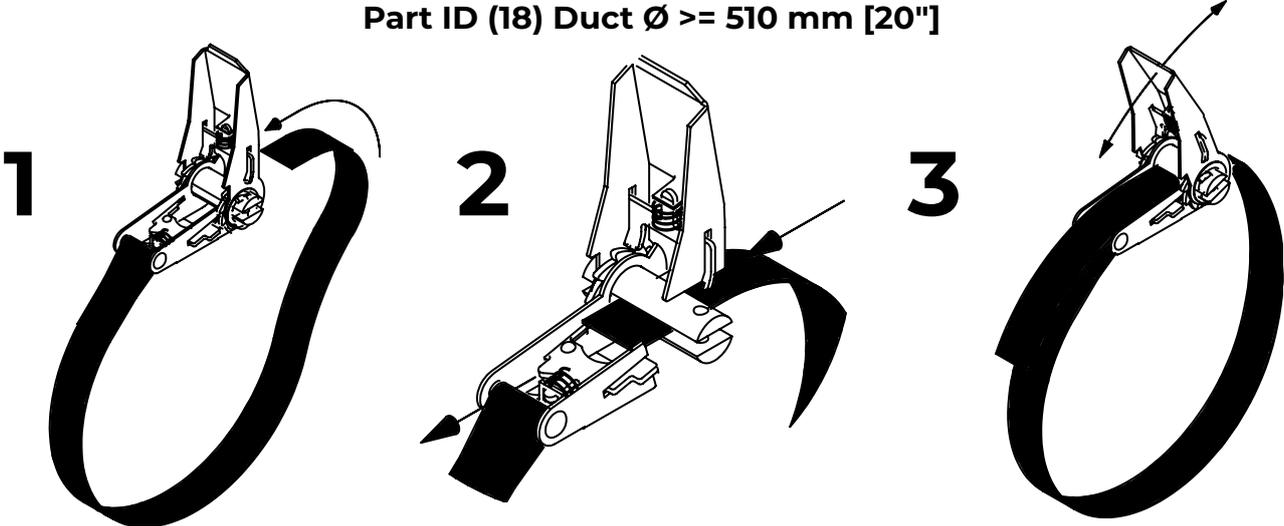
Close the cover

# 3.2 Fixing straps

Part ID (17) Duct  $\varnothing < 510$  mm [20"]



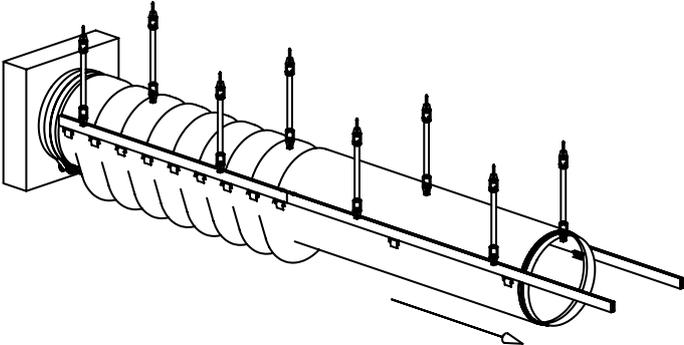
Part ID (18) Duct  $\varnothing \geq 510$  mm [20"]



### 3.3 Installation of duct on H-Rail

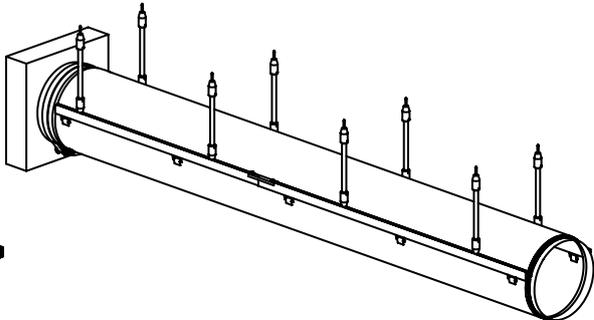
**1**

Hang ducting first



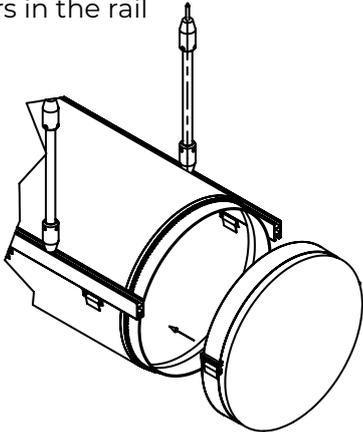
**2**

Stretch the duct



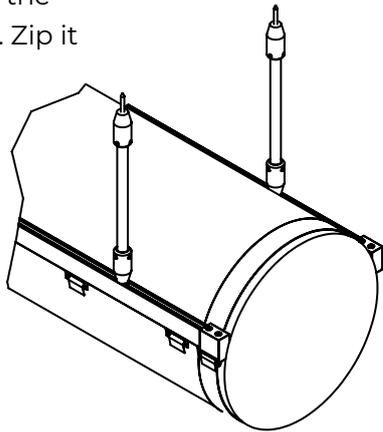
**3**

Insert hangers in the rail



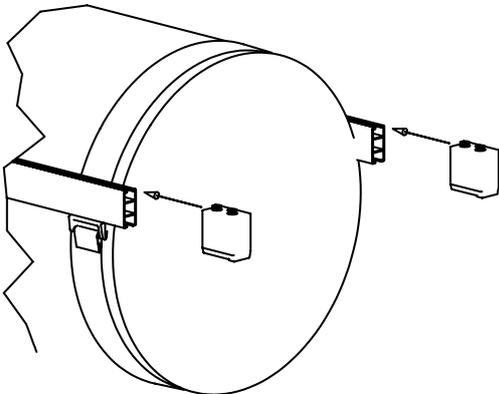
**4**

Slide endcap to the end of the duct. Zip it



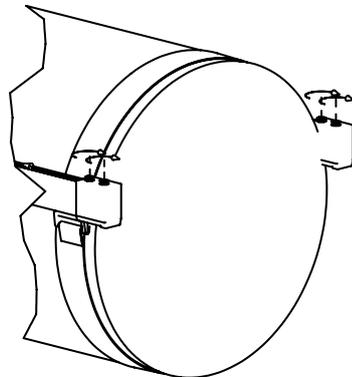
**5**

Secure duct by inserting H-Rail endcap



**6**

Secure H-Rail endcap by turning bolt clockwise





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