

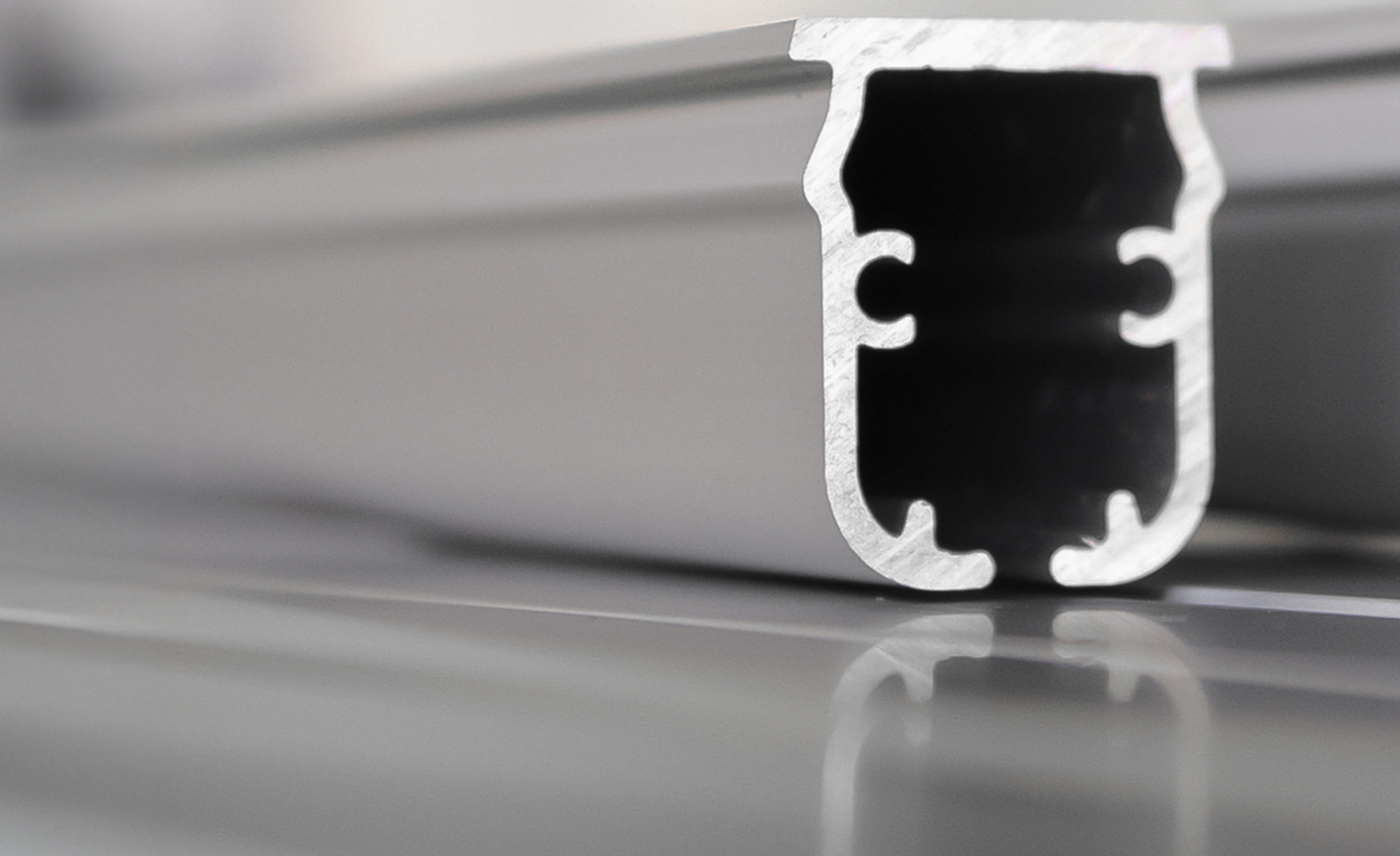


VENTILATION, HEATING & COOLING

FastRail Industry

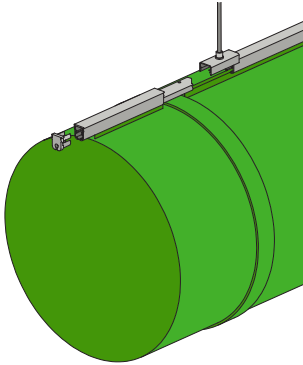
A practical overview of FastRail Industry system mounting solutions for round and half-round textile ducting.

This catalog presents the most common suspension methods for fast and proper installation.



Textile Ducts: New Rails

We developed the new rail with three things in mind: ease of installation, lower weight and a more sustainable production.



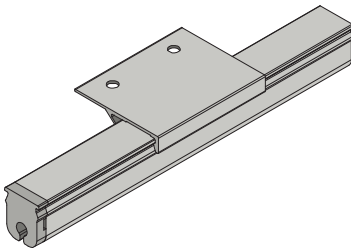
What does FastRail Industry bring?

The new FastRail Industry profile delivers several key improvements, at no additional cost.

- 20% lighter than the previous solution.
- 8% lower carbon footprint thanks to the use of recycled aluminium
- 20–25% faster installation with joiners and end pieces that fit without screws or heavy tools.
- 6 mm profile diameter provides greater rigidity and improved system stability.

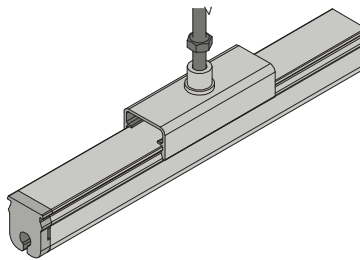
FastRail Industry Suspension Options

The FastRail Industry profile system offers three suspension options for ceiling installation. The appropriate solution depends on the installation requirements and project specifications.



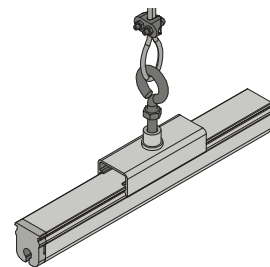
Directly to the ceiling

- The rail is clicked directly onto an anchor piece mounted directly in the ceiling.
- Max. span between supports is 2 m.



Suspended on threads

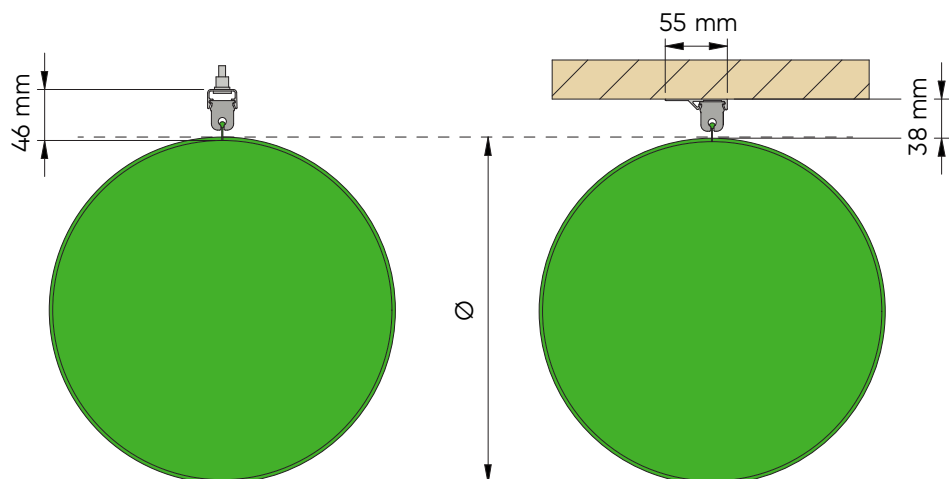
- Standard suspensions using thread bar, also available in stainless steel AISI 304 or AISI 316.
- Max. span between supports is 2.5 m.



Suspended on strap-ups

- Suspension on wire strap-ups in standard variant or adjustable smart strap-ups with many end variants.
- Max. span between supports is 2.5 m

Where the basic dimensions are (additional dimensions will be provided in the supporting materials for the rails):



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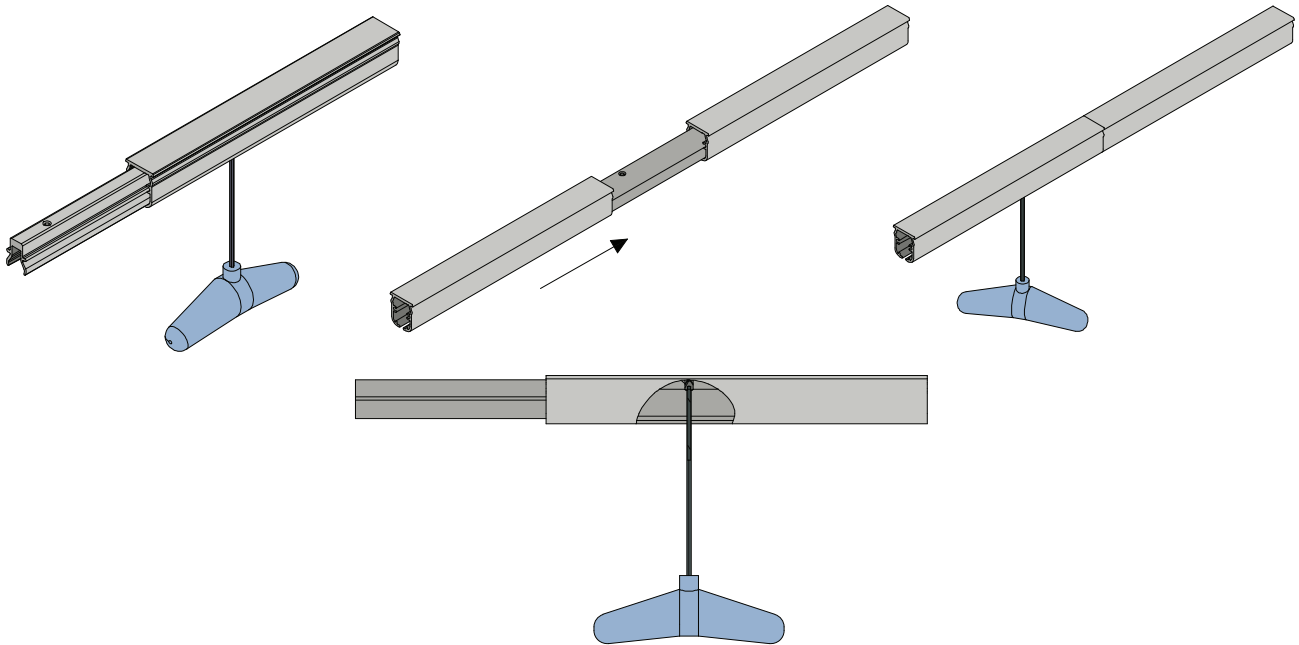
FASTRAIL INDUSTRY

Round Duct

Technical Overview of Mounting Options
for Round Textile Ducting.

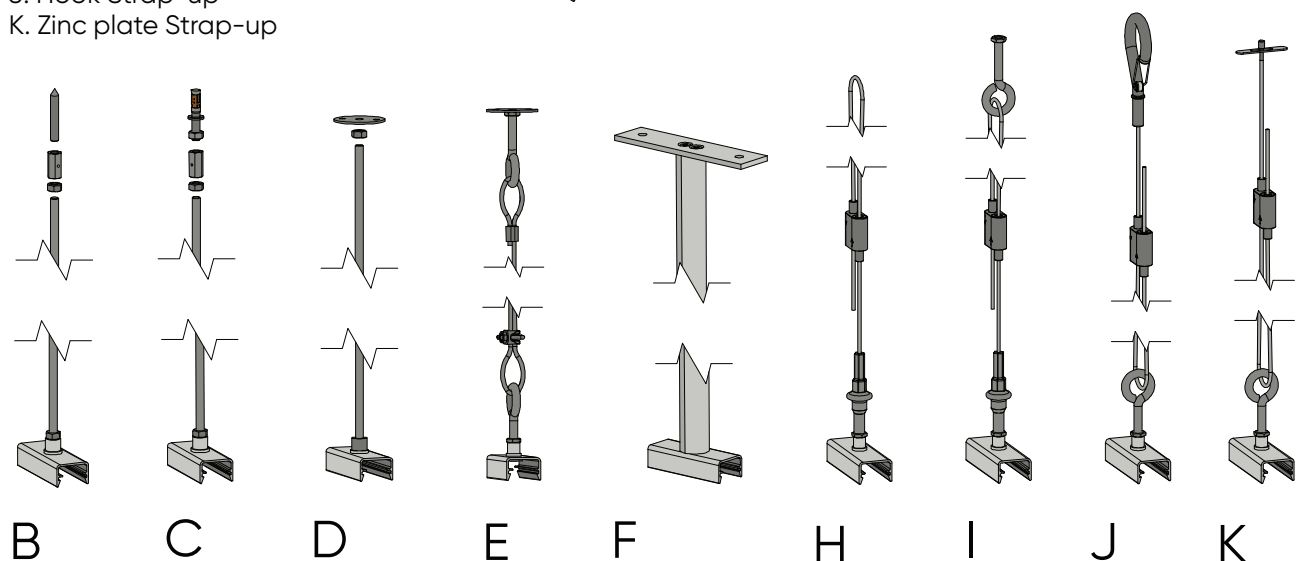
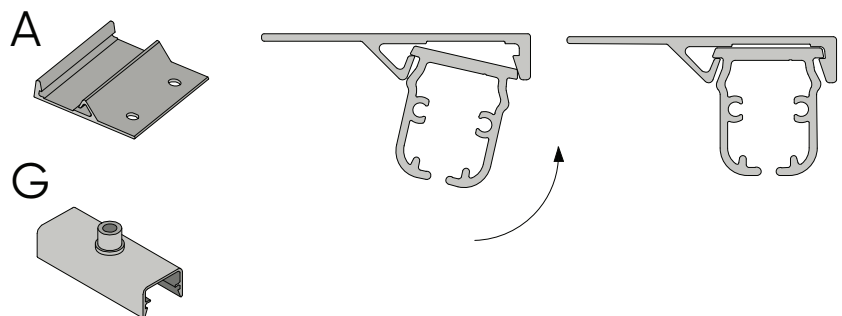
Ø-Duct: Suspension Options

Install rail system according to drawing and enclosed mounting instructions. Please note below installation of rail systems with SafeCeil option (A).



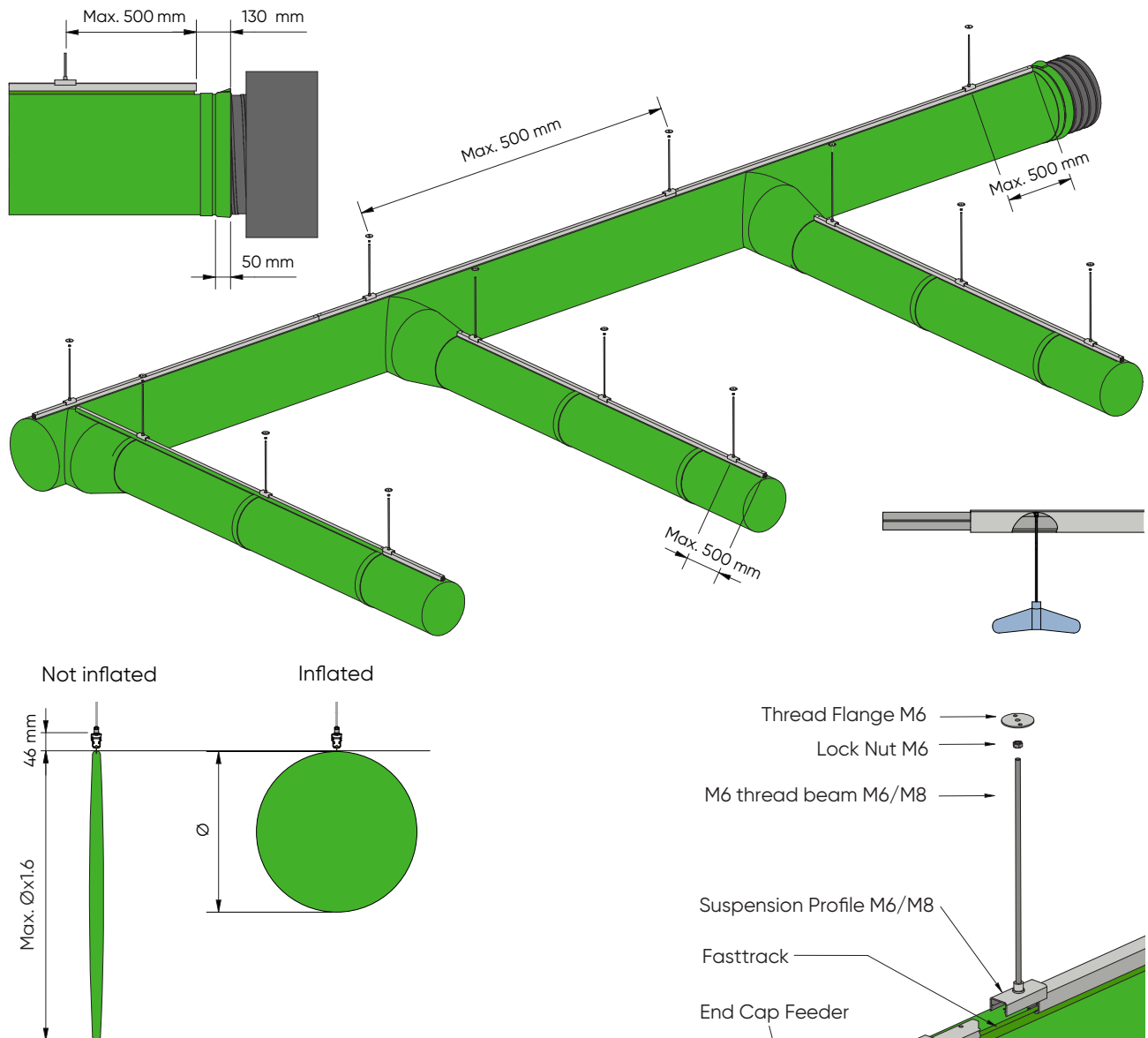
Suspension type

- A. SafeCeil
- B. Wood Screw (M6)
- C. Expansion bolt (M6)
- D. M6 thread flange
- E. Wire with M6 eyebolt
- F. SafeStrapUp (M6)
- G. M8
- H. M6 Strap-up
- I. M6 eyebolt Strap-up
- J. Hook Strap-up
- K. Zinc plate Strap-up



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Ø-Duct: Single Suspension



The FastRail Industry profile system is supplied in lengths matching the textile duct. Each set includes all required installation components and is individually labelled according to its installation position to ensure a quick and straightforward assembly.

Single-row FastRail Industry suspension is suitable for textile ducts up to Ø900 mm. For larger diameters, double-row suspension is recommended. For ducts with diameters of Ø1200 mm and above, triple-row suspension is recommended.

Threaded rods for ceiling suspension are supplied as standard in 1 m lengths. If a different length is required, it must be specified when placing the order. Any necessary cutting is carried out on site during installation.

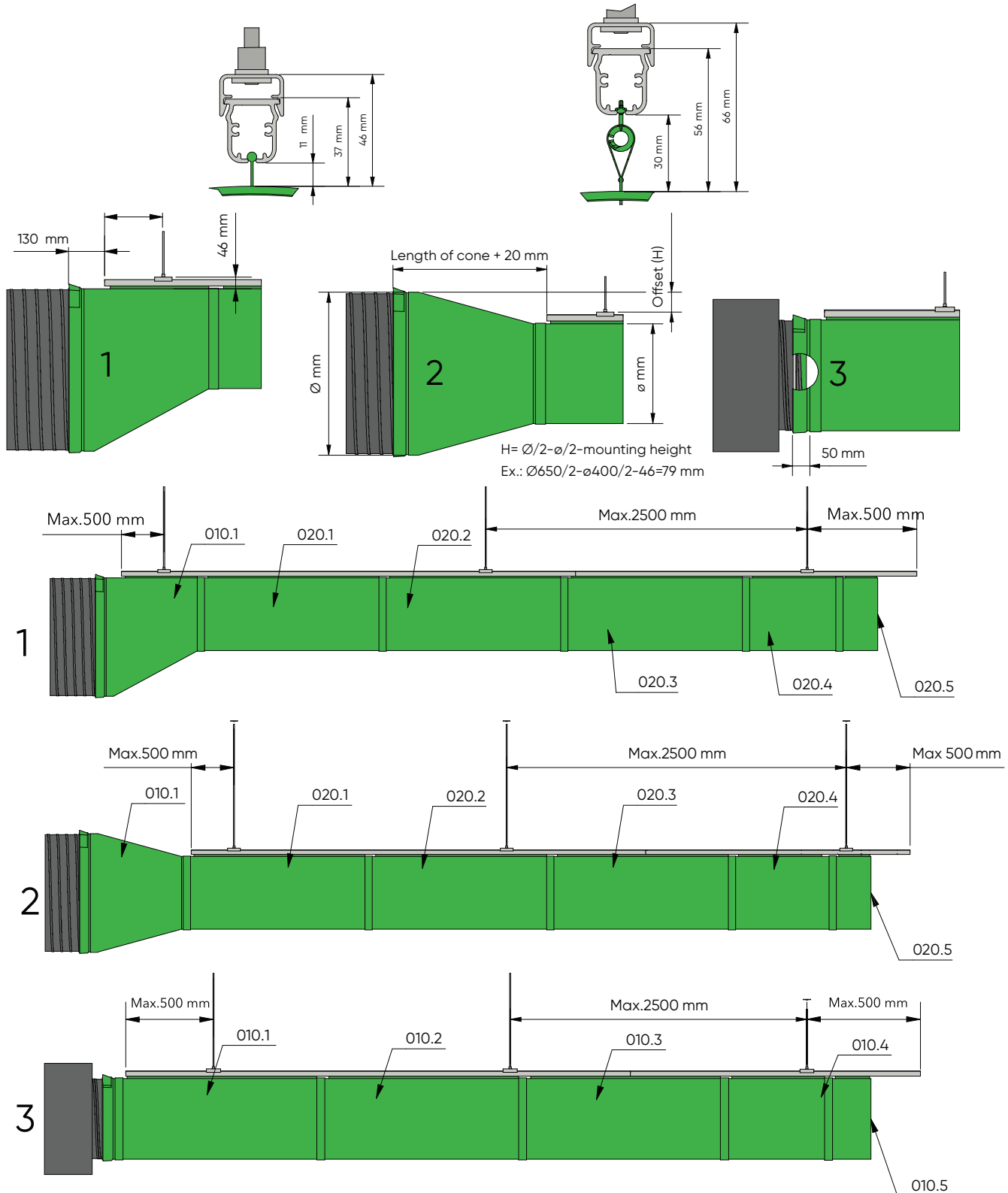
The delivery does not include anchors or fastening hardware for attachment to the ceiling structure.

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Ø-Duct: Single Row Suspension

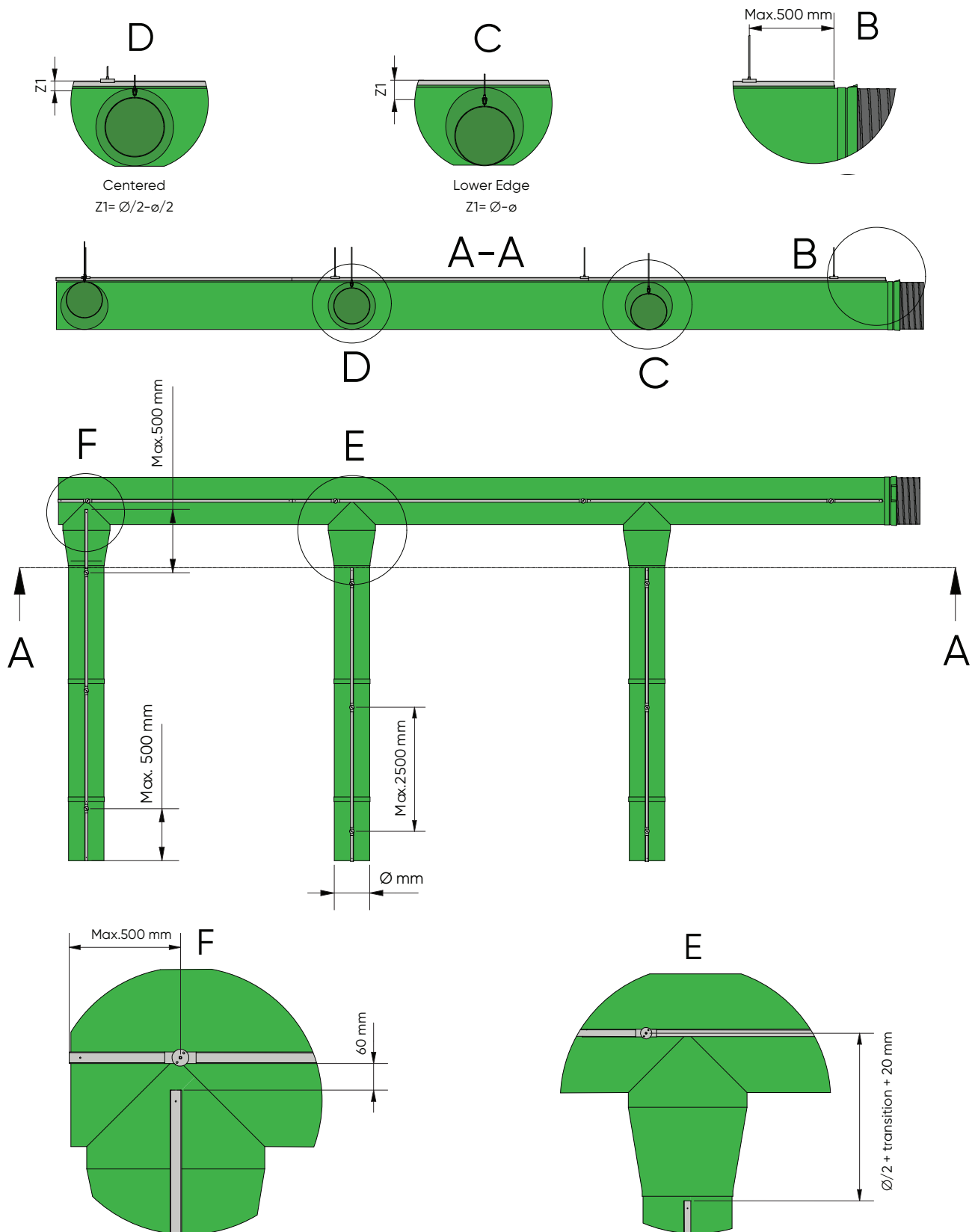
FastTrack 6mm (12 o'clock)

EasySlider (12 o'clock)



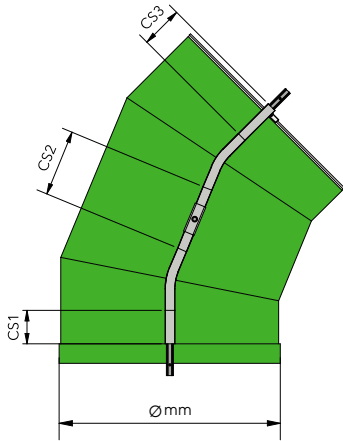
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Ø-Duct: Plenum, single row



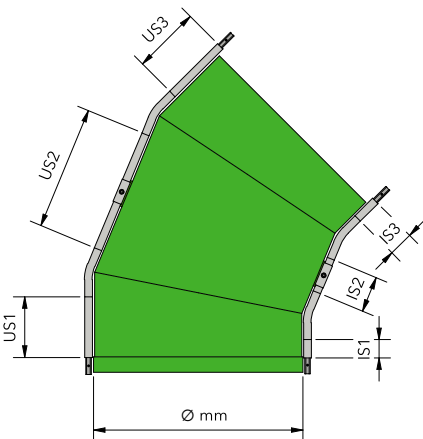
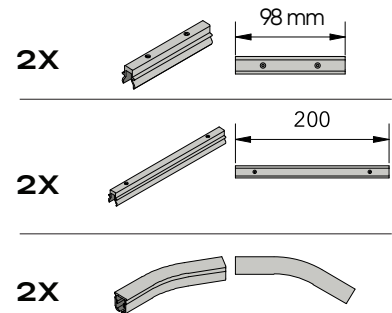
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Ø-Duct: Bend 45°, attached along the entire length



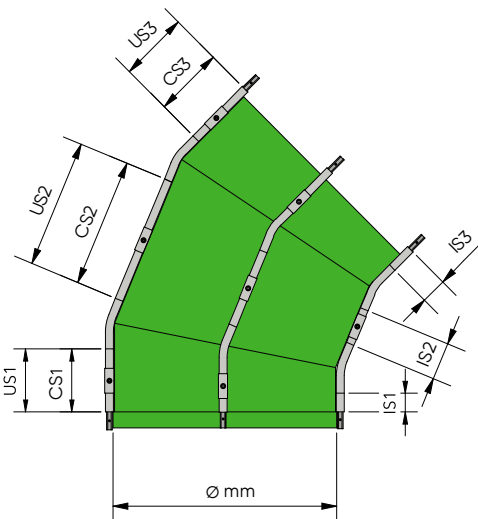
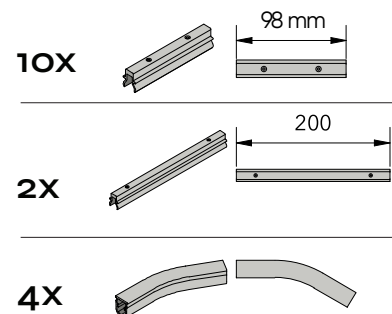
Single: Rolled Bend, example Ø510 mm:

2 pcs SafeJoint 98 mm
2 pcs SafeJoint 200 mm
2 pcs SafePro Bend 22.5
1 pcs L = 80 mm CS1
1 pcs L = 160 mm CS2
1 pcs L = 100 mm CS3



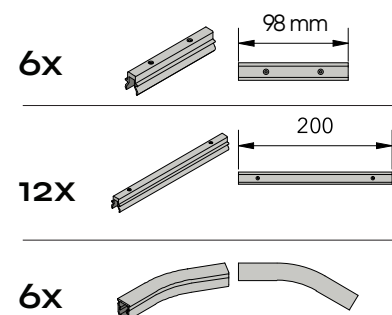
Double: Rolled Bend, example Ø800 mm:

10 pcs SafeJoint 98 mm
1 pcs SafeJoint 200 mm
4 pcs SafePro Bend 22.5
1 pcs L = 246 mm US1
1 pcs L = 492 mm US2
1 pcs L = 266 mm US3
1 pcs L = 87 mm IS1
1 pcs L = 174 mm IS2
1 pcs L = 107 mm IS3



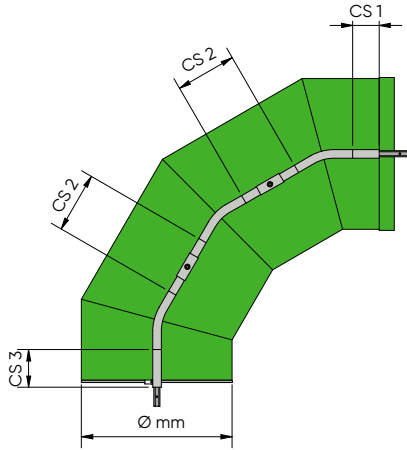
Triple: Rolled Bend, example Ø1200 mm:

6 pcs SafeJoint 98 mm
12 pcs SafeJoint 200 mm
6 pcs SafePro Bend 22.5
1 pcs L = 405 mm US1
1 pcs L = 811 mm US2
1 pcs L = 425 mm US3
1 pcs L = 286 mm CS1
1 pcs L = 572 mm CS2
1 pcs L = 306 mm CS3
1 pcs L = 167 mm IS1
1 pcs L = 333 mm IS2
1 pcs L = 187 mm IS3



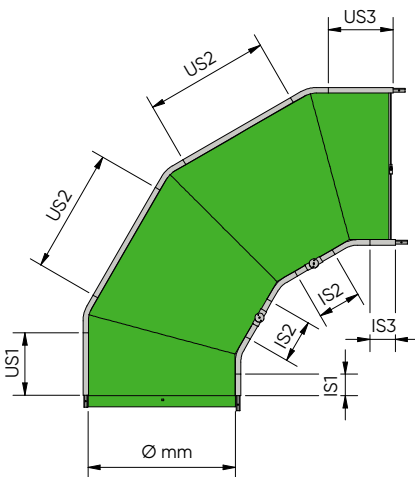
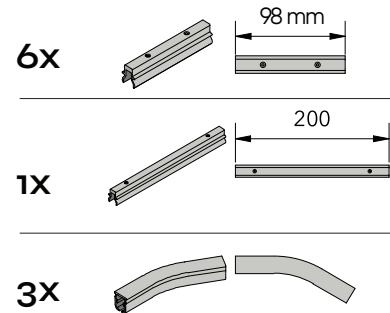
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Ø-Duct: Bend 90°, attached along the entire length



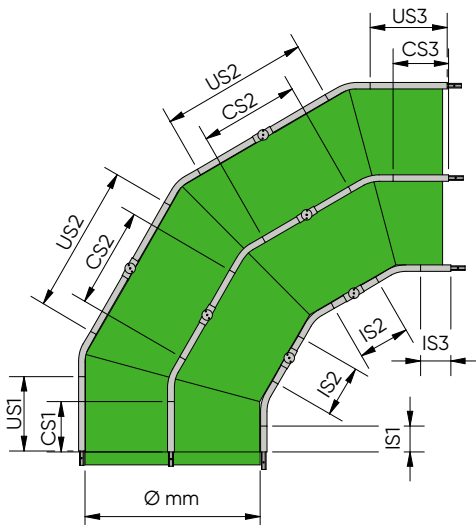
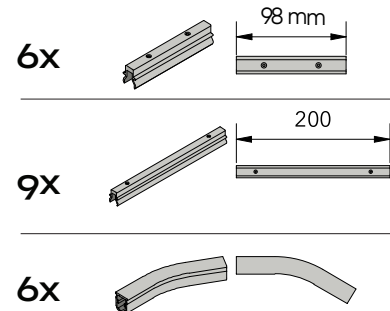
Single: Rolled Bend, example Ø400 mm:

6 pcs SafeJoint 98 mm
1 pcs SafeJoint 200 mm
3 pcs SafePro Bend 30
1 pcs L = 81 mm CS1
2 pcs L = 162 mm CS2
1 pcs L = 101 mm CS3



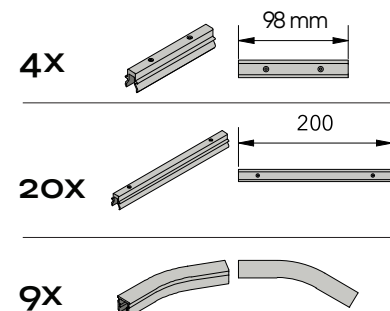
Double: Rolled Bend, example Ø630 mm:

6 pcs SafeJoint 98 mm
9 pcs SafeJoint 200 mm
6 pcs SafePro Bend 30
1 pcs L = 258 mm US1
2 pcs L = 515 mm US2
1 pcs L = 278 mm US3
1 pcs L = 89 mm IS1
2 pcs L = 178 mm IS2
1 pcs L = 109 mm IS3

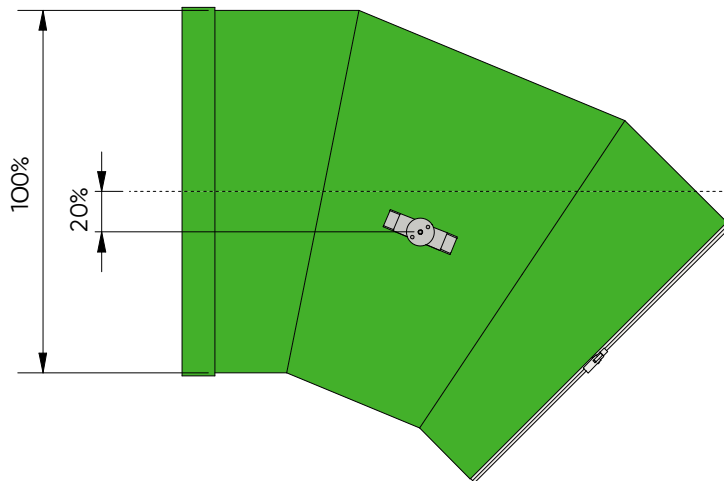


Triple: Rolled Bend, example Ø1200 mm:

4 pcs SafeJoint 98 mm
20 pcs SafeJoint 200 mm
9 pcs SafePro Bend 30
1 pcs L = 563 mm US1
2 pcs L = 1126 mm US2
1 pcs L = 583 mm US3
1 pcs L = 402 mm CS1
2 pcs L = 805 mm CS2
1 pcs L = 422 mm CS3
1 pcs L = 242 mm IS1
2 pcs L = 483 mm IS2
1 pcs L = 262 mm IS3

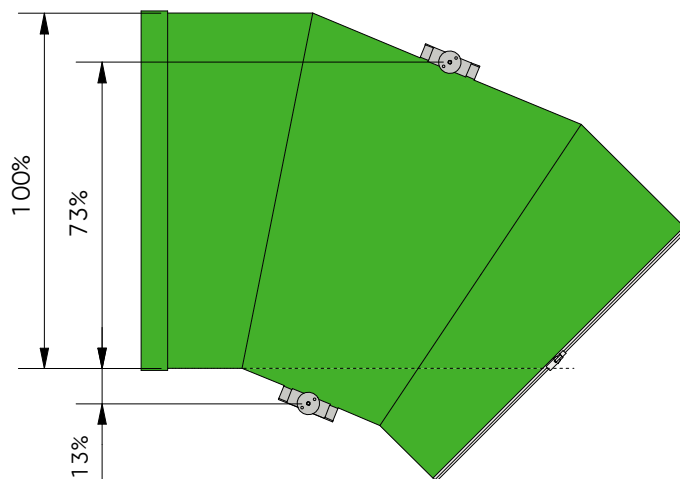


Ø-Duct: Bend 45°, attached by individual points



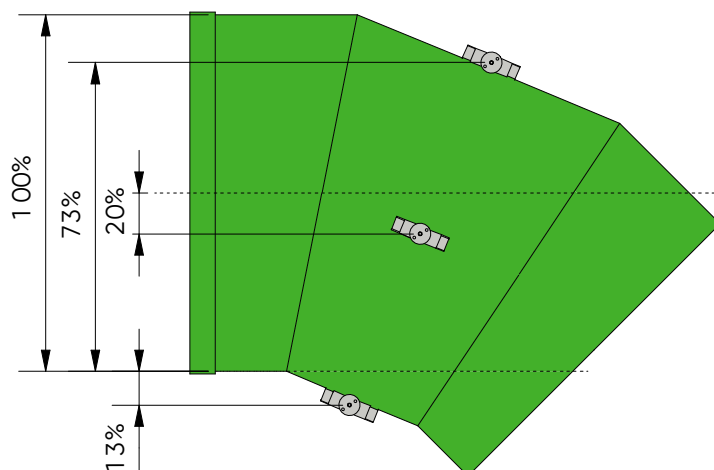
Single Suspension

Fixation point



Double Suspension

Fixation points

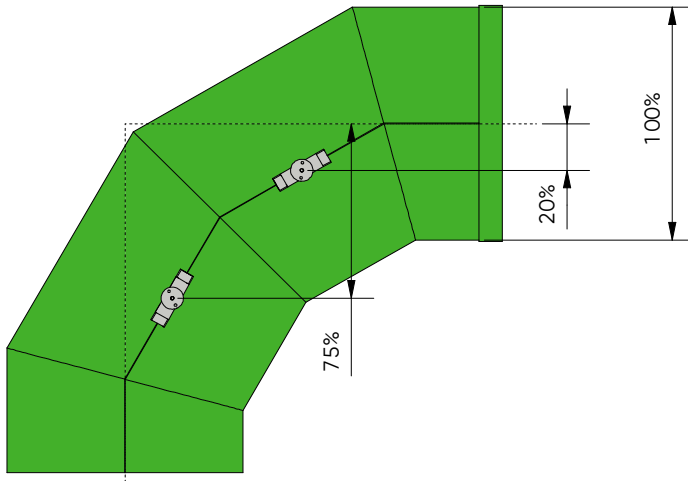


Triple Suspension

Fixation points

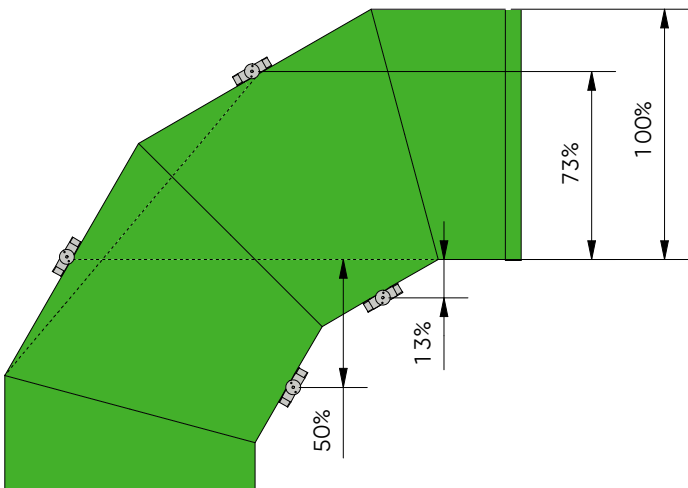
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Ø-Duct: Bend 90°, attached by individual points



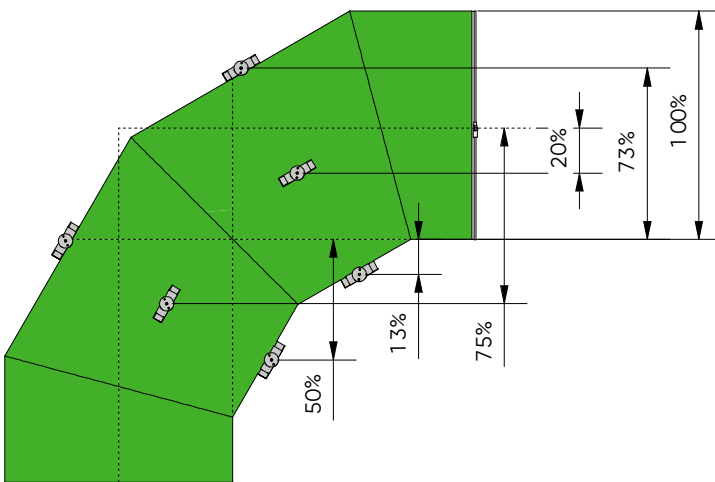
Single Suspension

Fixation point



Double Suspension

Fixation points

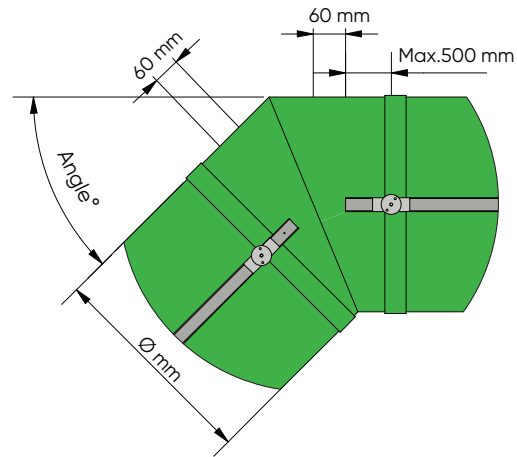
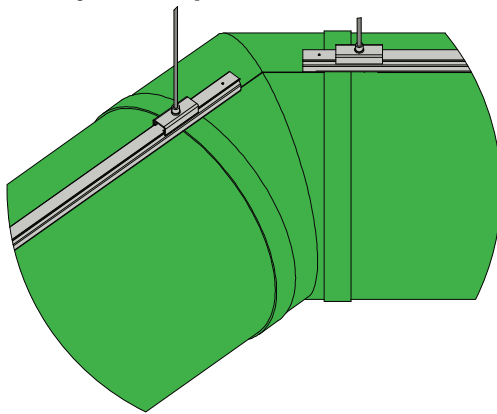


Triple Suspension

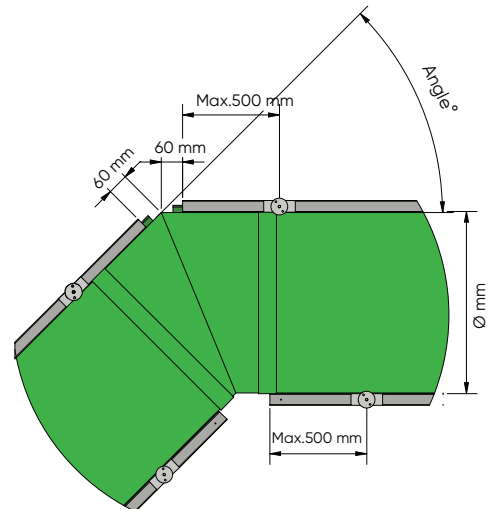
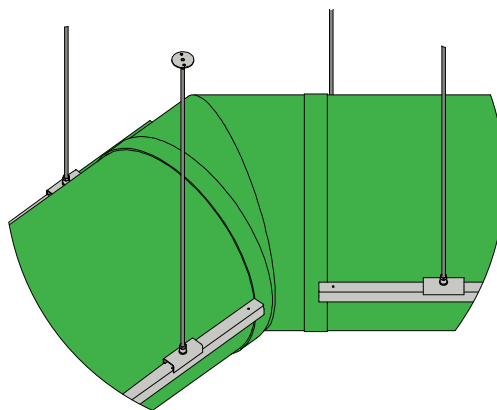
Fixation points

Ø-Duct: Elbows

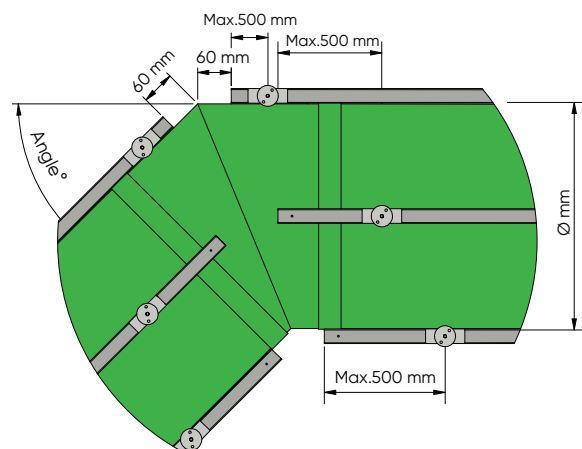
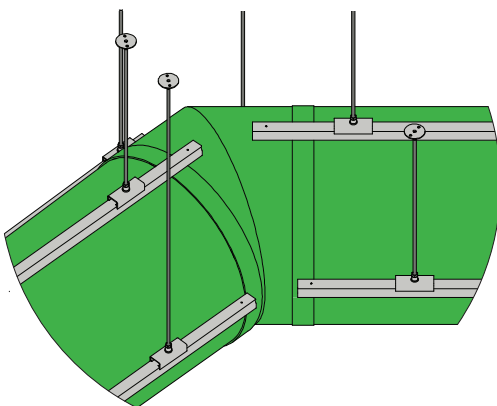
Single Suspension



Double Suspension

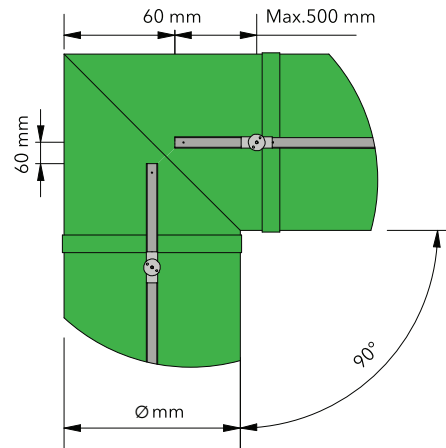
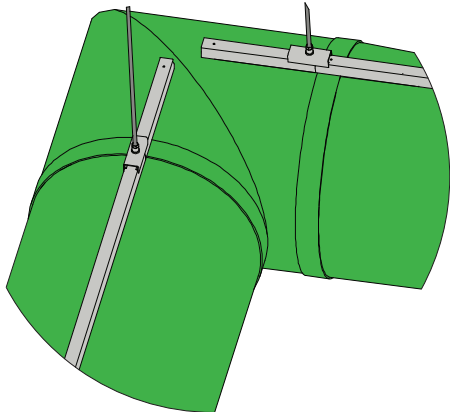


Triple Suspension

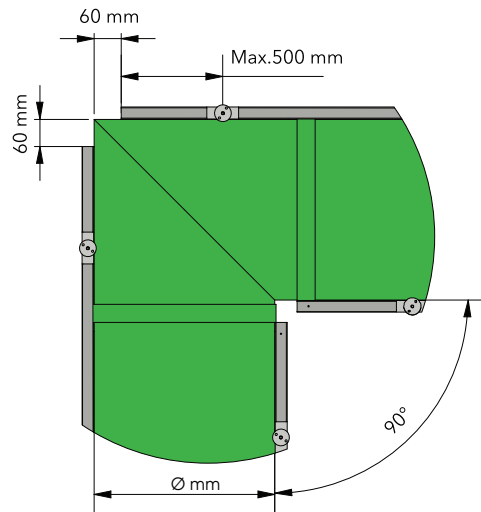
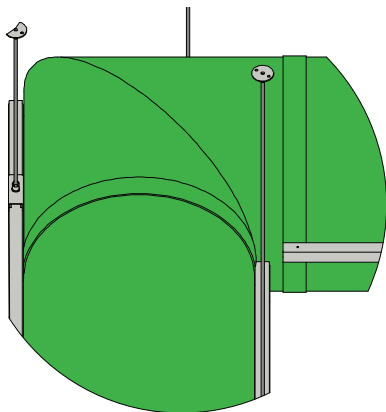


Ø-Duct: Elbow 90°

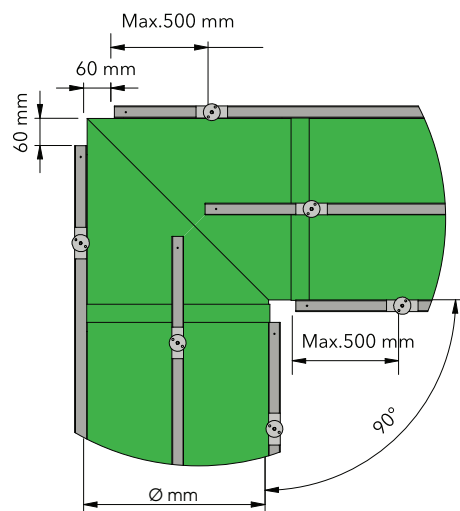
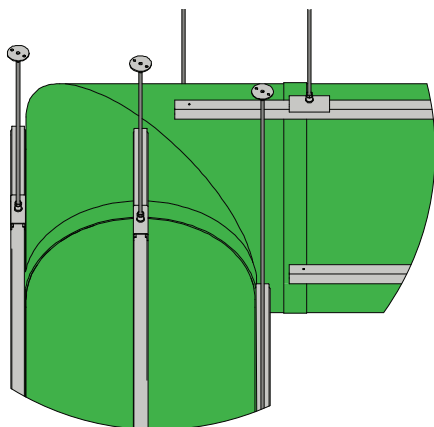
Single Suspension



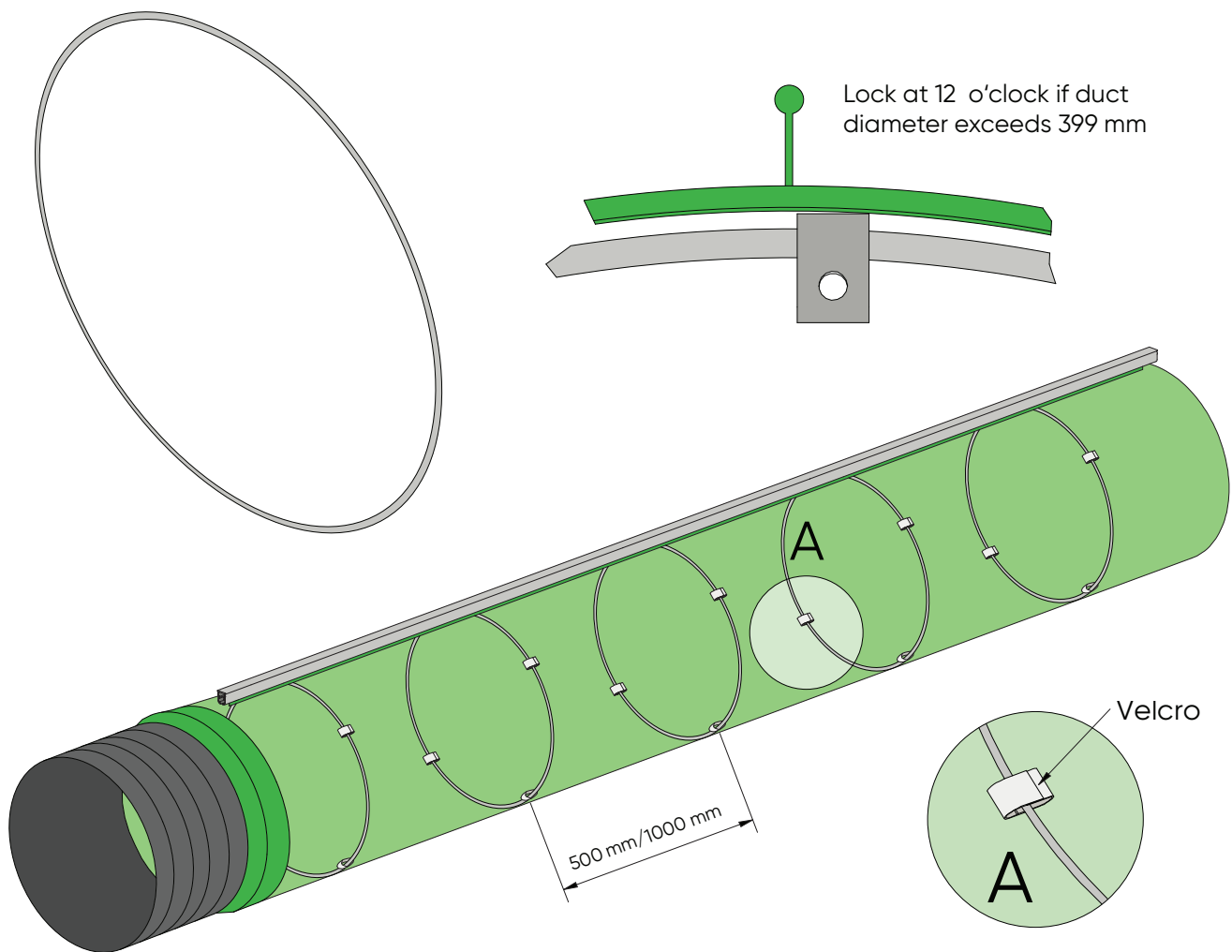
Double Suspension



Triple Suspension



Ø-Duct: Internal Rings, Single Row

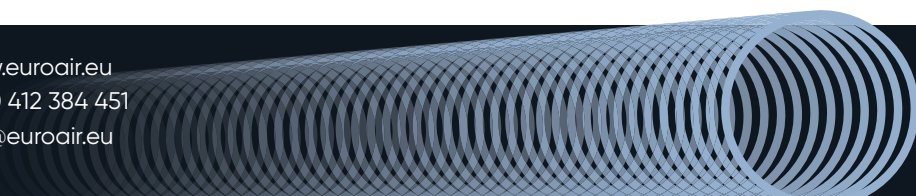


Duct diameter	Ring size
Ø200 - Ø630 mm	3 mm
Ø631 - Ø1270 mm	4 mm

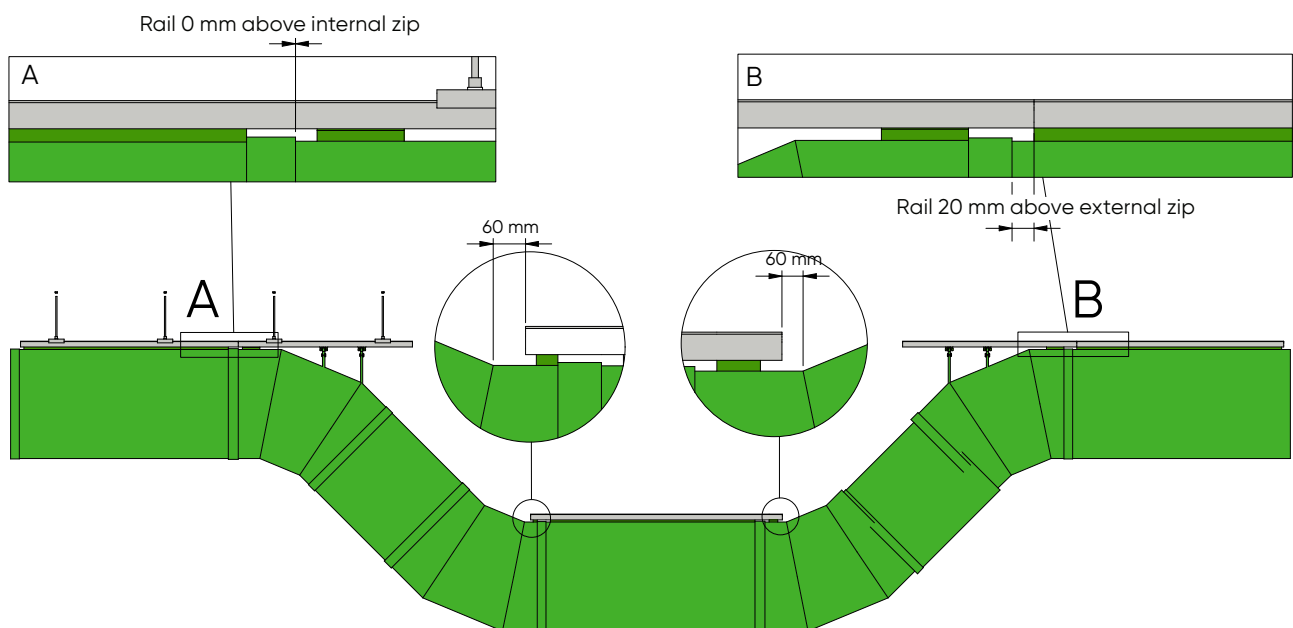
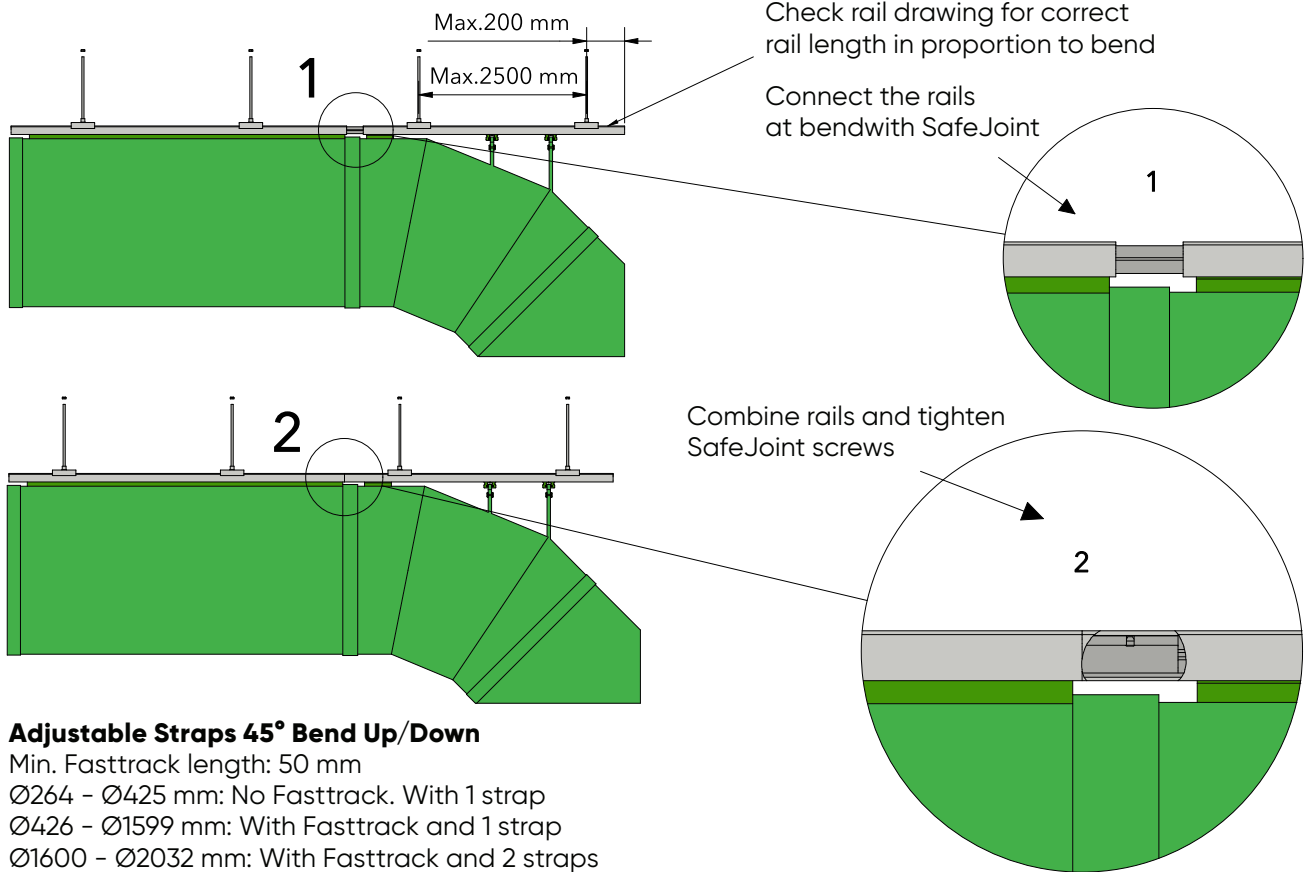
If duct diameter exceeds 500 mm rings are included separately (to be installed on site)



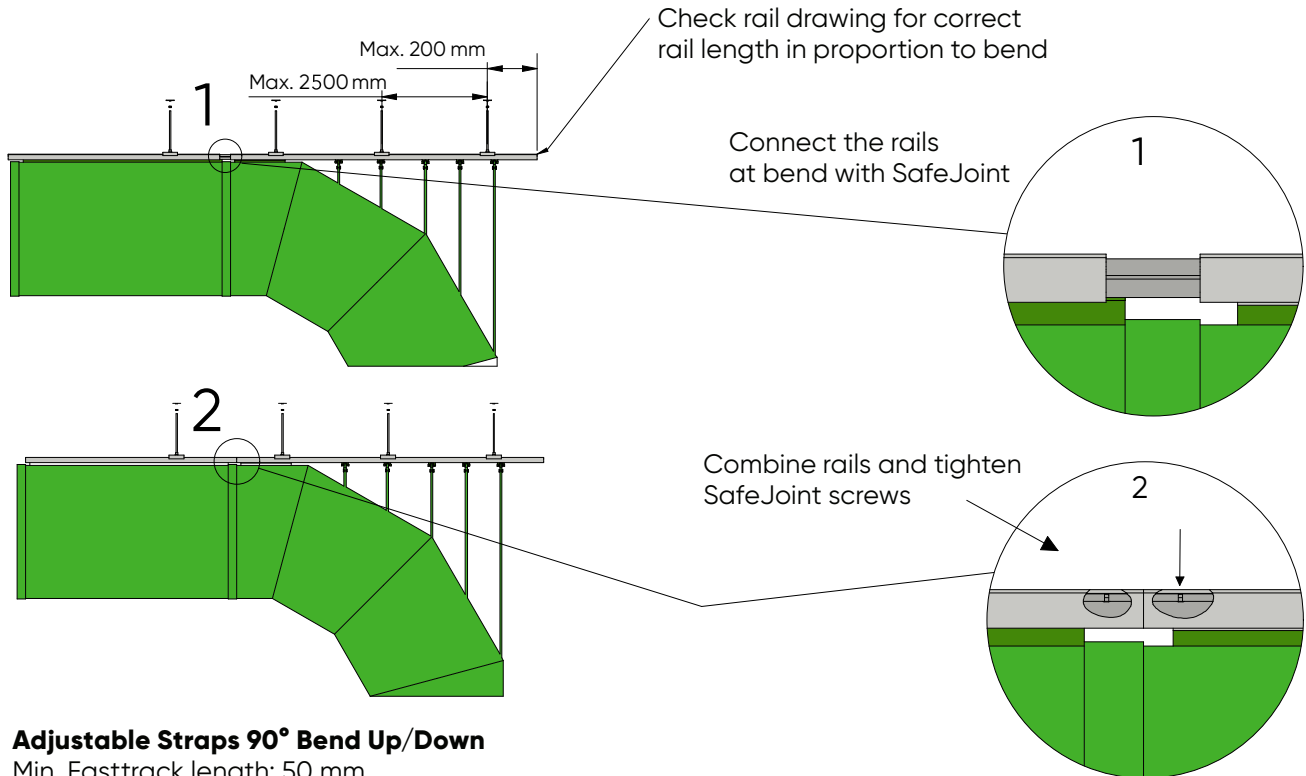
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Ø-Duct: Adjustable Straps for 45° Bend, Single Suspension



Ø-Duct: Adjustable Straps for 90° Bend, Single Suspension



Adjustable Straps 90° Bend Up/Down

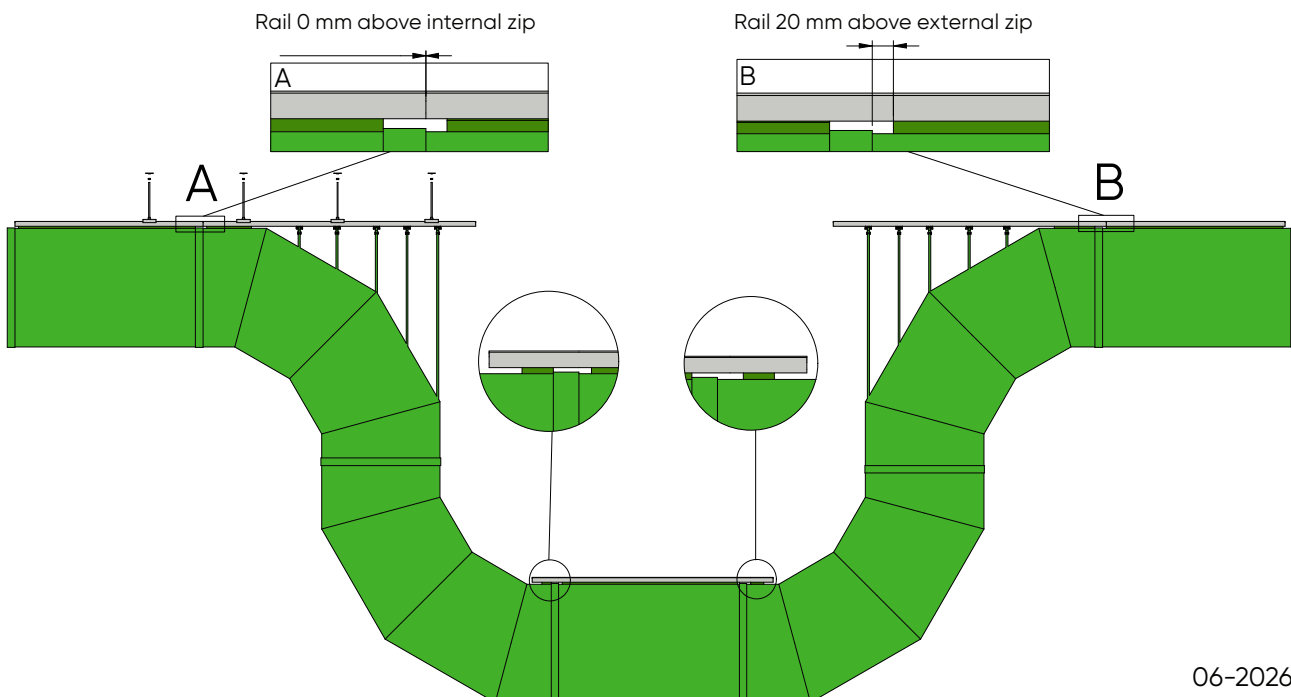
Min. Fastrack length: 50 mm

Ø200 - Ø349 mm: No Fastrack. With 1 strap

Ø350 - Ø709 mm: With Fastrack and 2 strap

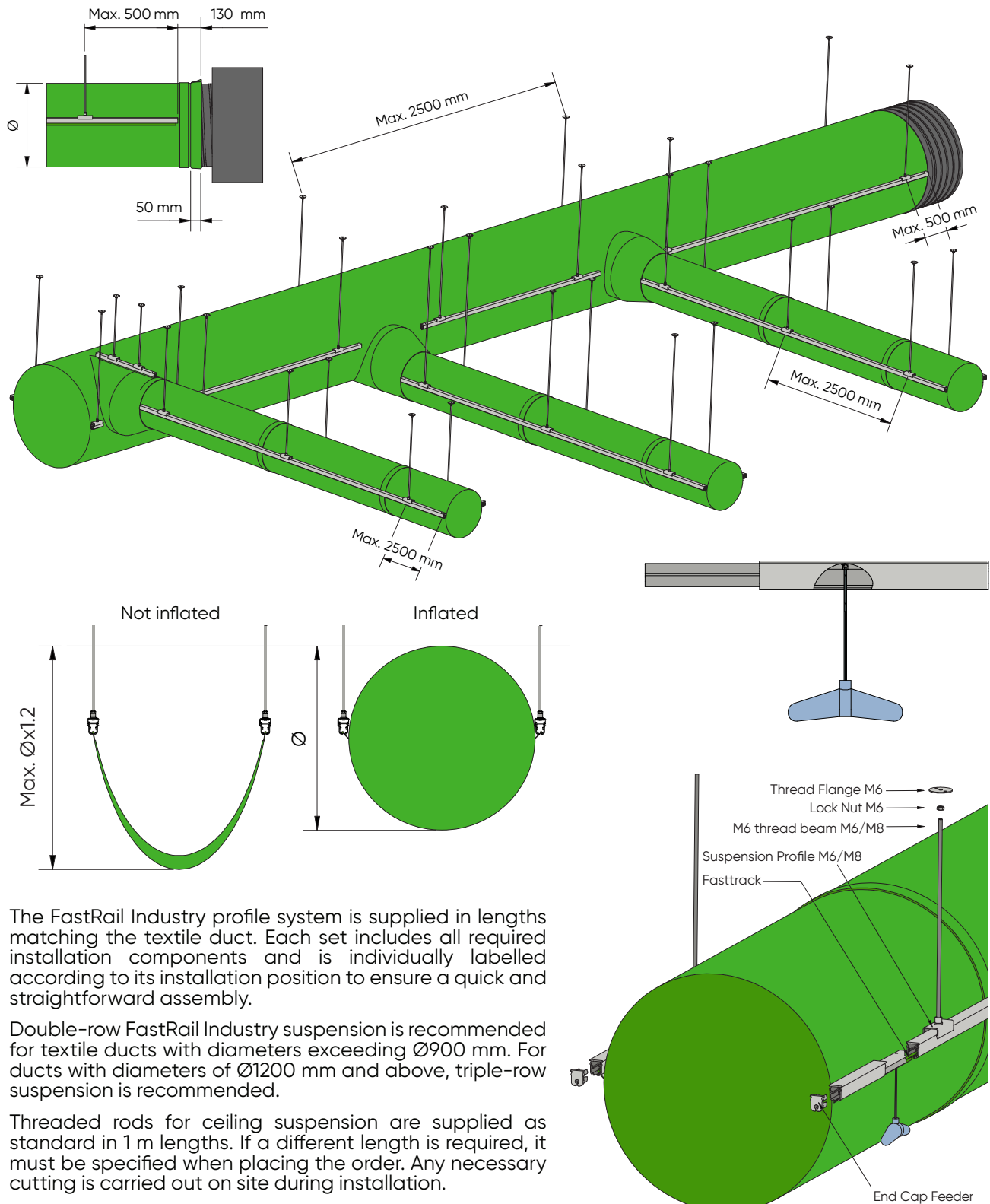
Ø710 - Ø1599 mm: With Fastrack and 3 straps

Ø1600 - Ø2032mm: With Fastrack and 5 straps



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Ø-Duct: Double Suspension



The FastRail Industry profile system is supplied in lengths matching the textile duct. Each set includes all required installation components and is individually labelled according to its installation position to ensure a quick and straightforward assembly.

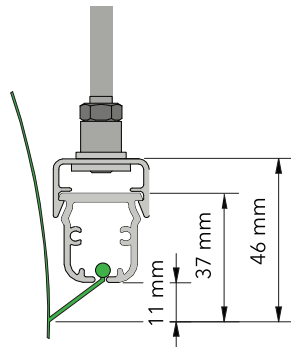
Double-row FastRail Industry suspension is recommended for textile ducts with diameters exceeding Ø900 mm. For ducts with diameters of Ø1200 mm and above, triple-row suspension is recommended.

Threaded rods for ceiling suspension are supplied as standard in 1 m lengths. If a different length is required, it must be specified when placing the order. Any necessary cutting is carried out on site during installation.

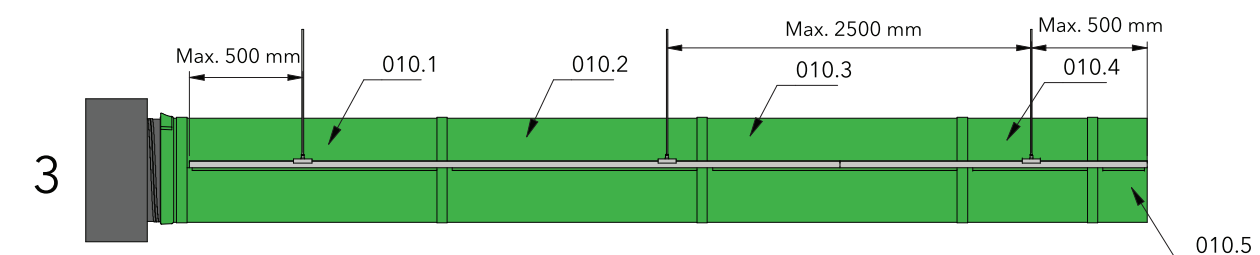
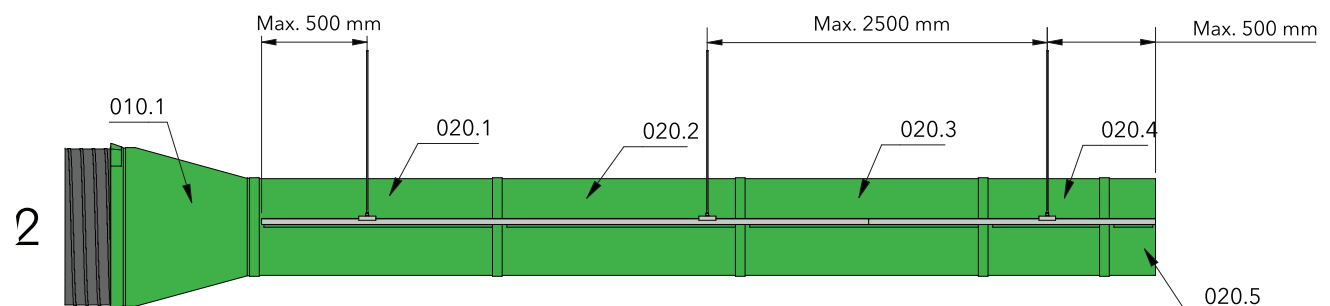
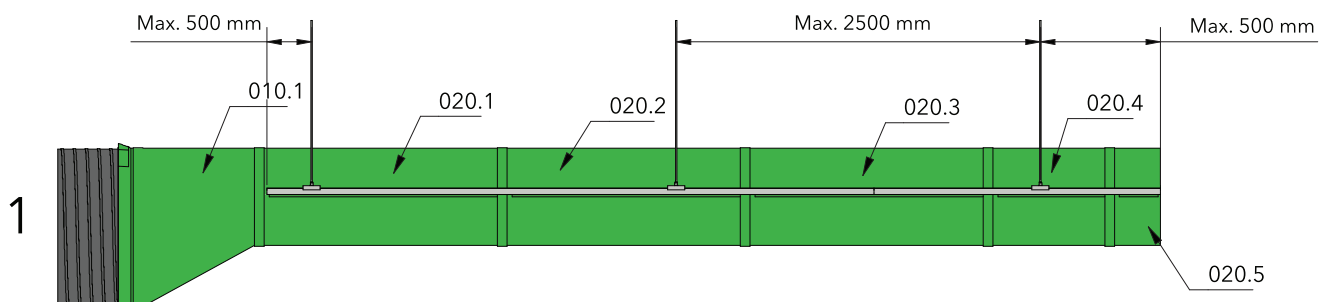
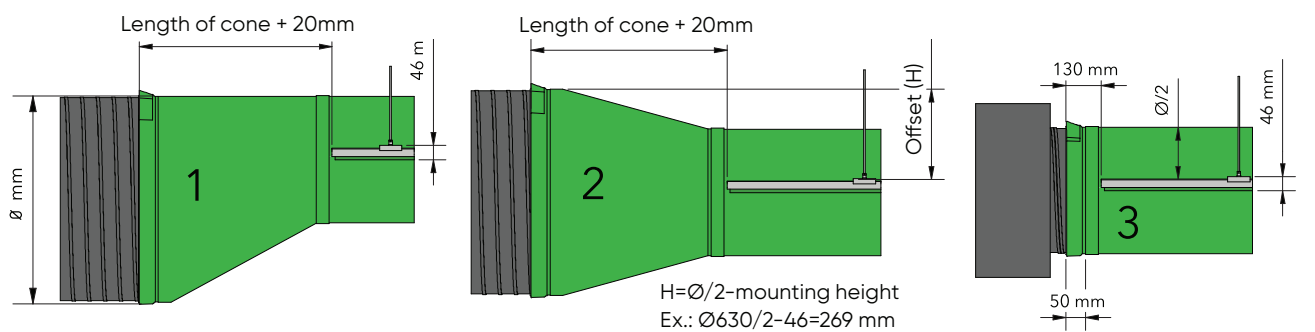
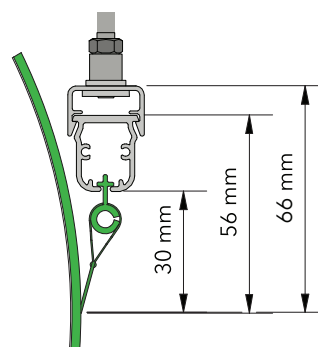
The delivery does not include anchors or fastening hardware for attachment to the ceiling structure.

Ø-Duct: Double Suspension

Fasttrack 6mm (3 and 9 o'clock)

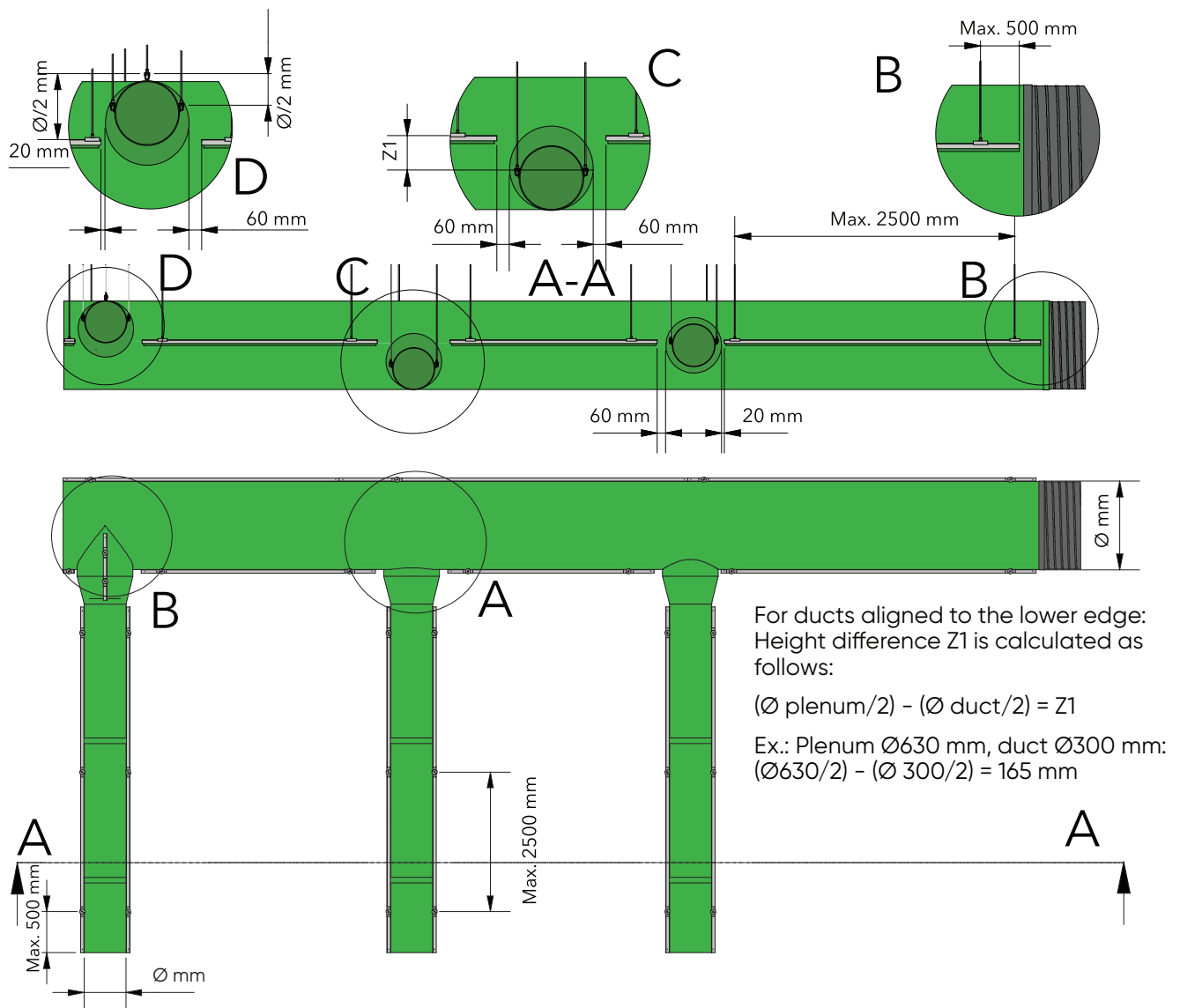


EasySlider (3 and 9 o'clock)



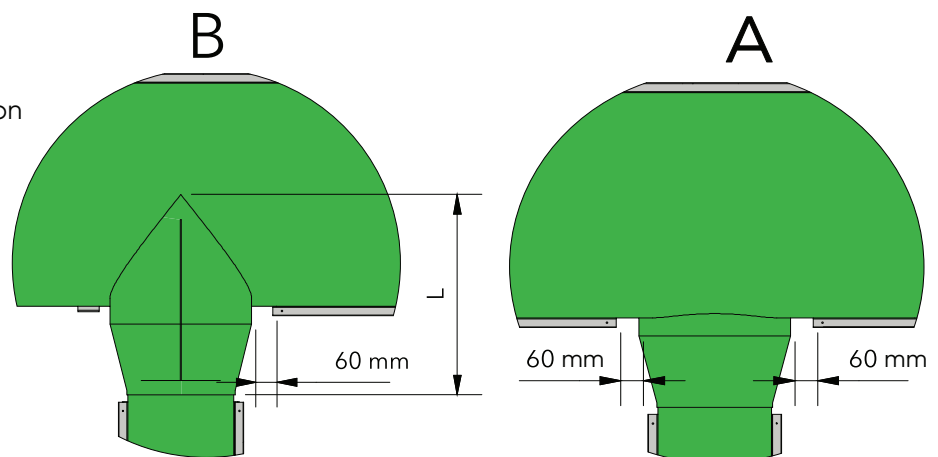
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Ø-Duct: Plenum, Double Row



Note for socket:

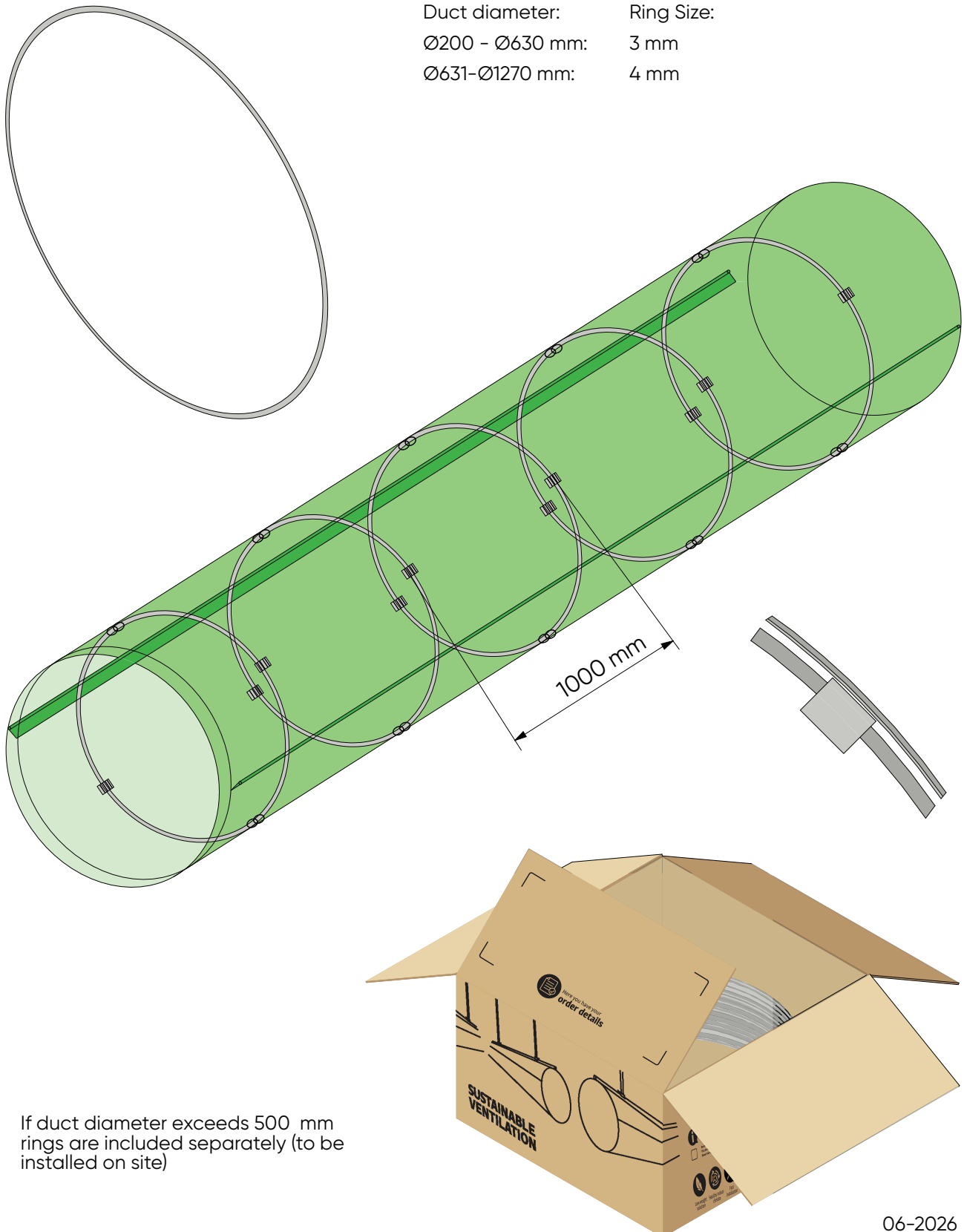
Sockets exceeding 500 mm L and with aligned to the top edge allows 1 row of suspension



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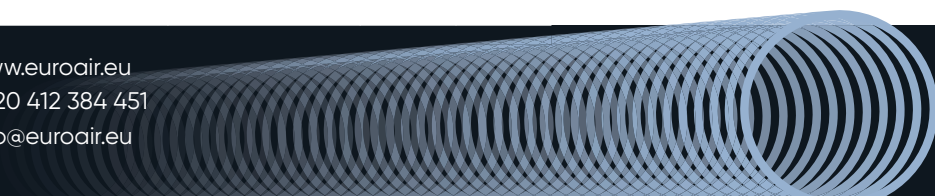
Ø-Duct: Internal Rings, Double Row

Duct diameter:	Ring Size:
Ø200 - Ø630 mm:	3 mm
Ø631-Ø1270 mm:	4 mm

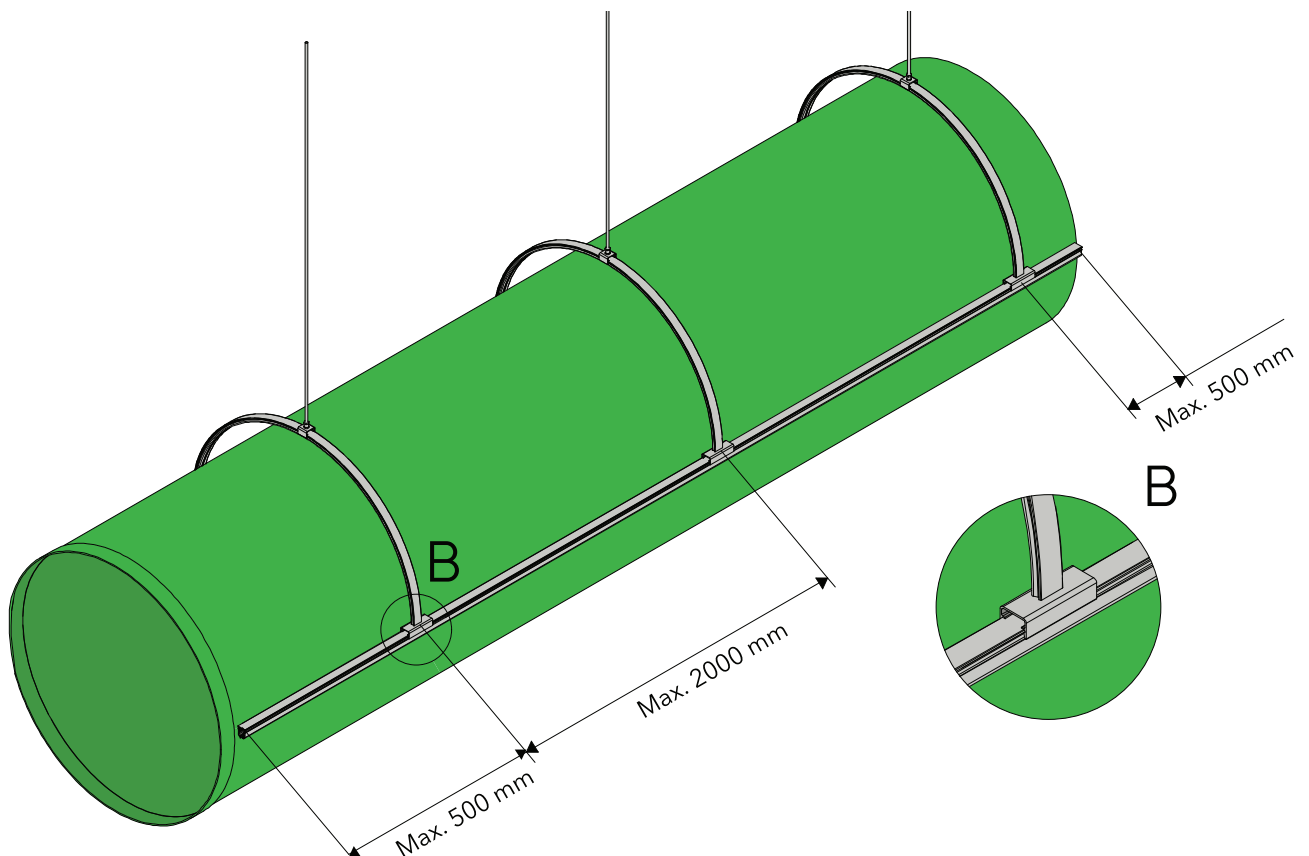
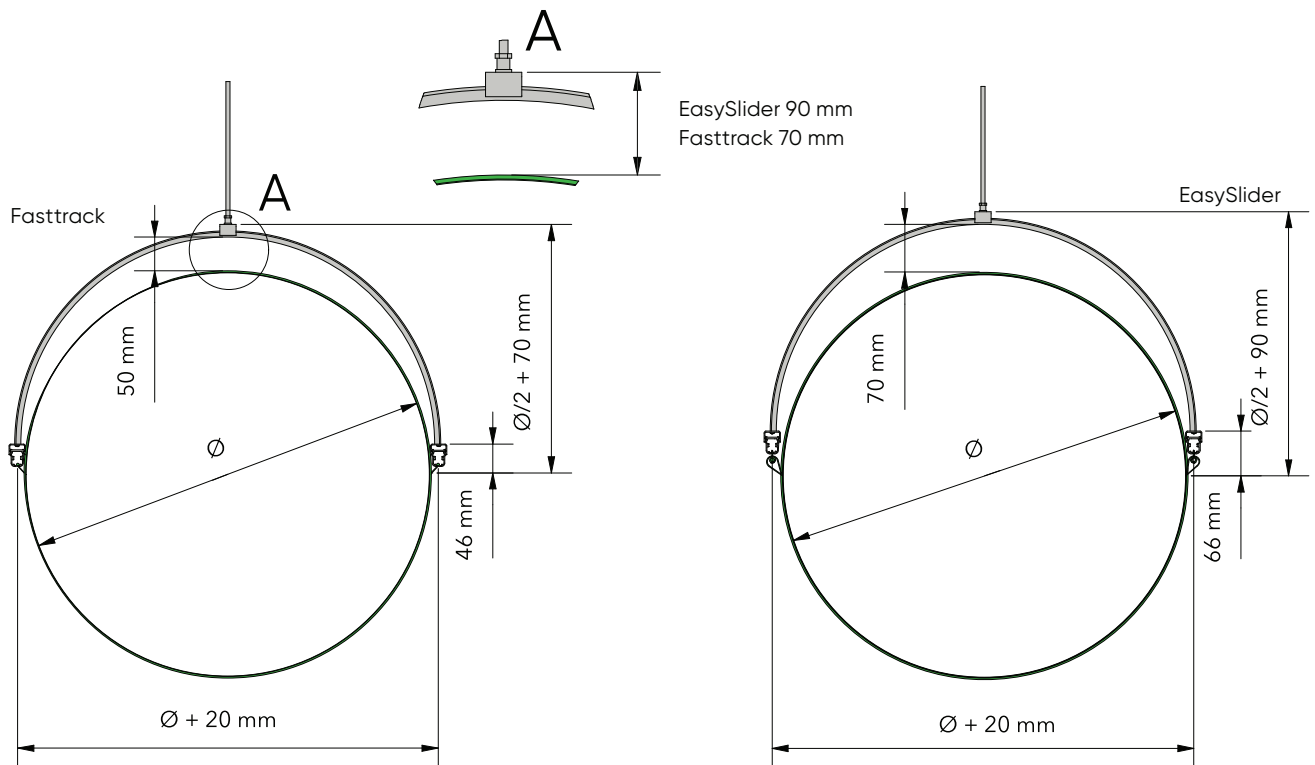


If duct diameter exceeds 500 mm
rings are included separately (to be
installed on site)

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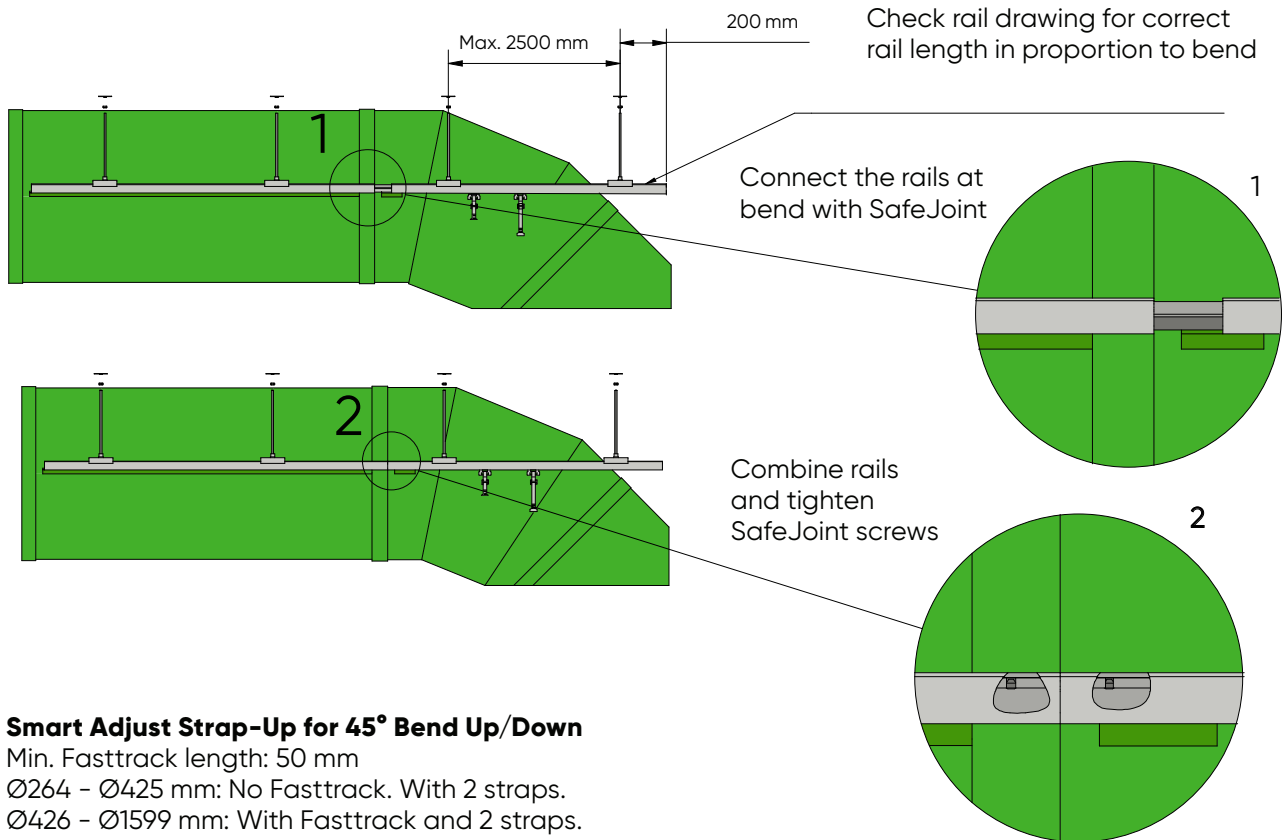


Ø-Duct: Dual Arch, Double suspension



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Ø-Duct: Adjustable Straps, 45° Bend, Double Suspension



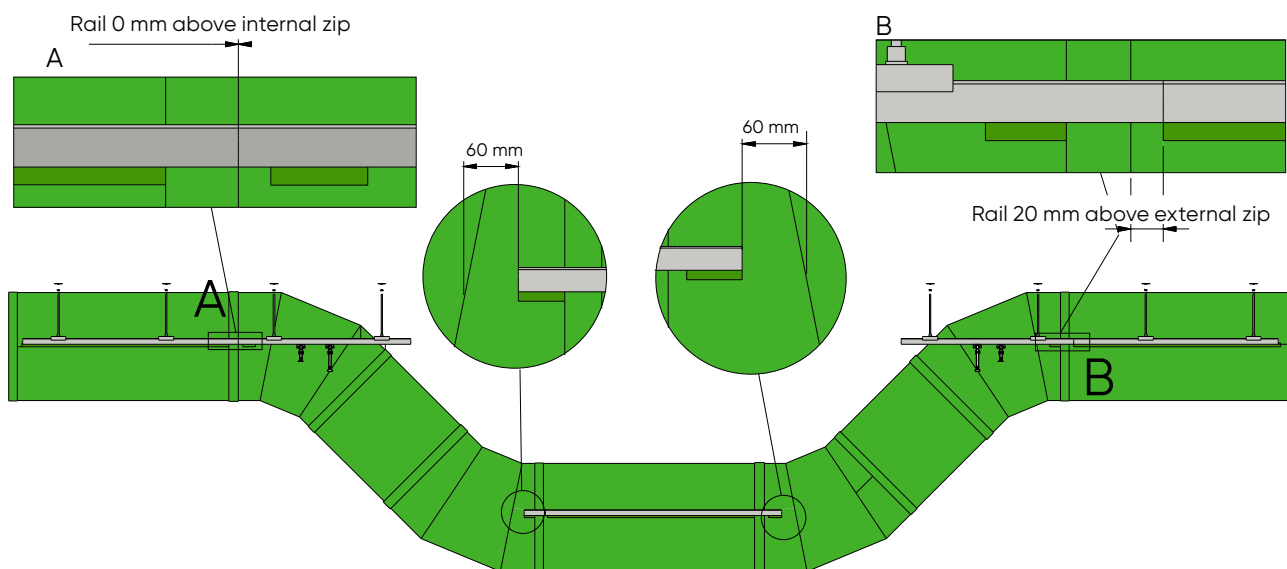
Smart Adjust Strap-Up for 45° Bend Up/Down

Min. Fasttrack length: 50 mm

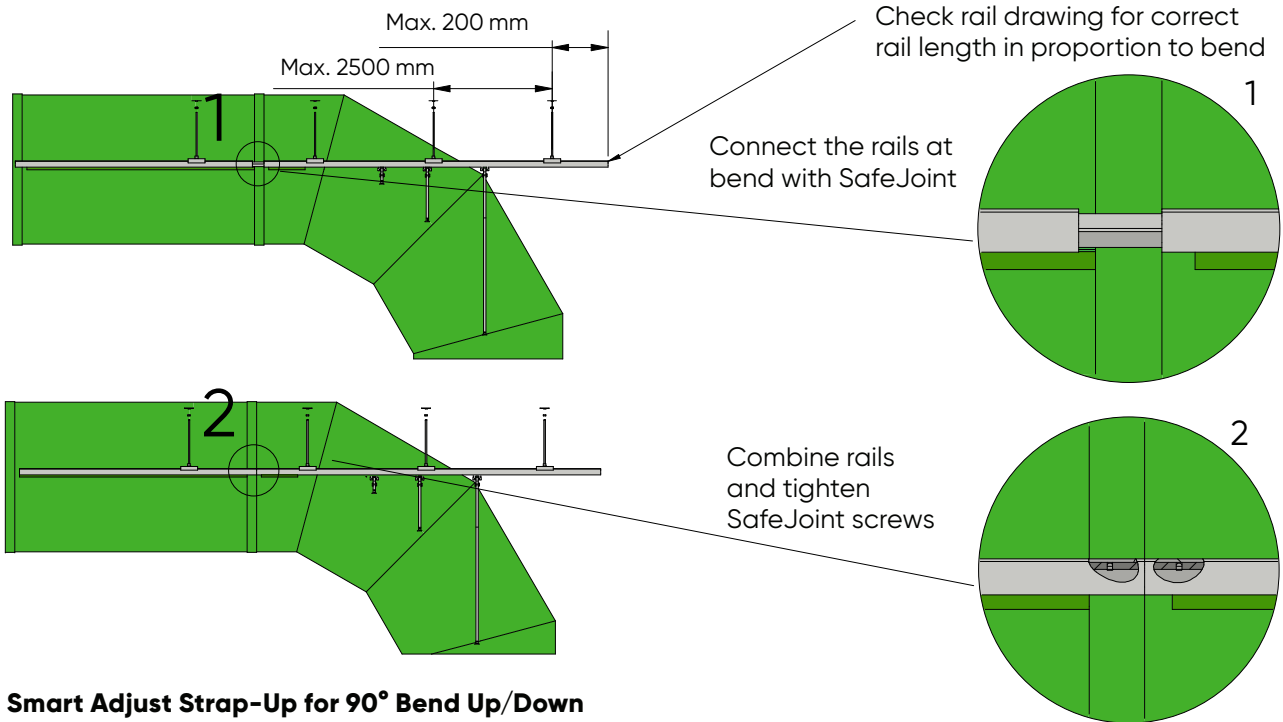
Ø264 - Ø425 mm: No Fasttrack. With 2 straps.

Ø426 - Ø1599 mm: With Fasttrack and 2 straps.

Ø1600 - Ø2032 mm: With Fasttrack and 4 straps.



Ø-Duct: Adjustable Straps, 90° Bend, Double Suspension



Smart Adjust Strap-Up for 90° Bend Up/Down

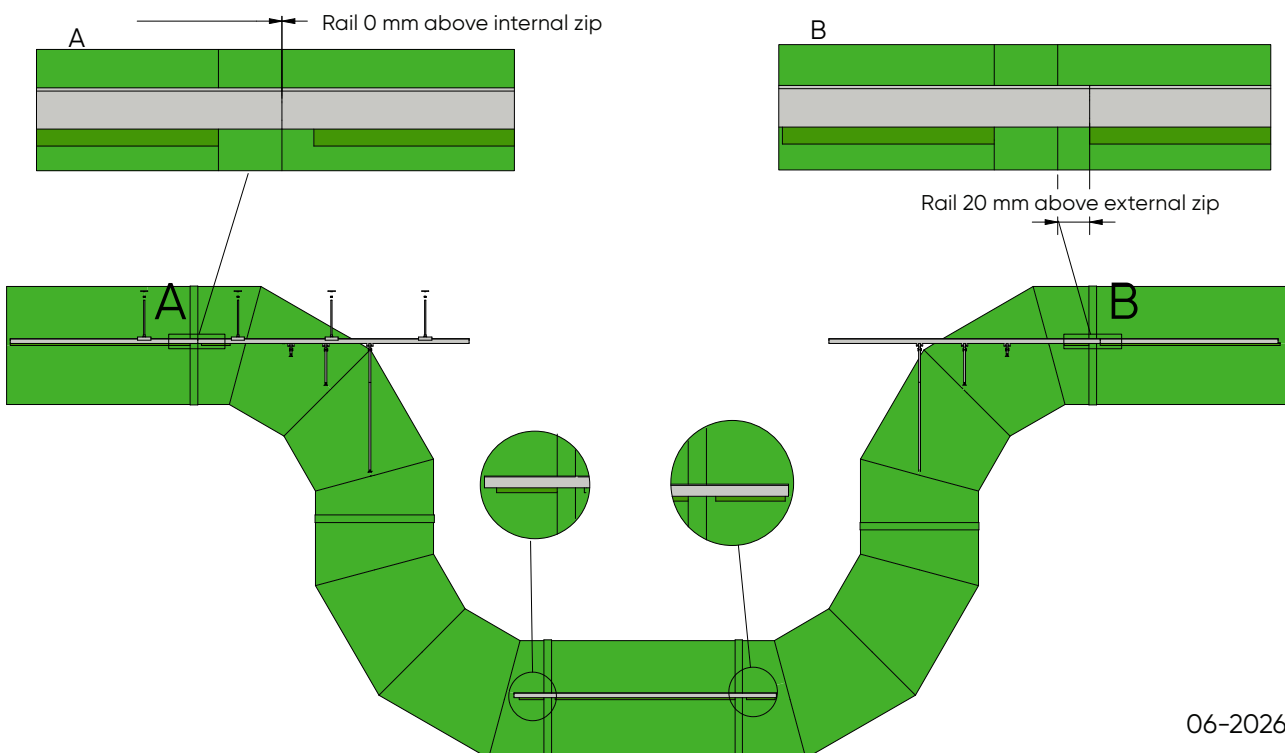
Min. Fasttrack length: 50 mm

Ø200 - Ø422 mm: No Fasttrack. With 2 straps.

Ø423 - Ø999 mm: With Fasttrack and 2 straps.

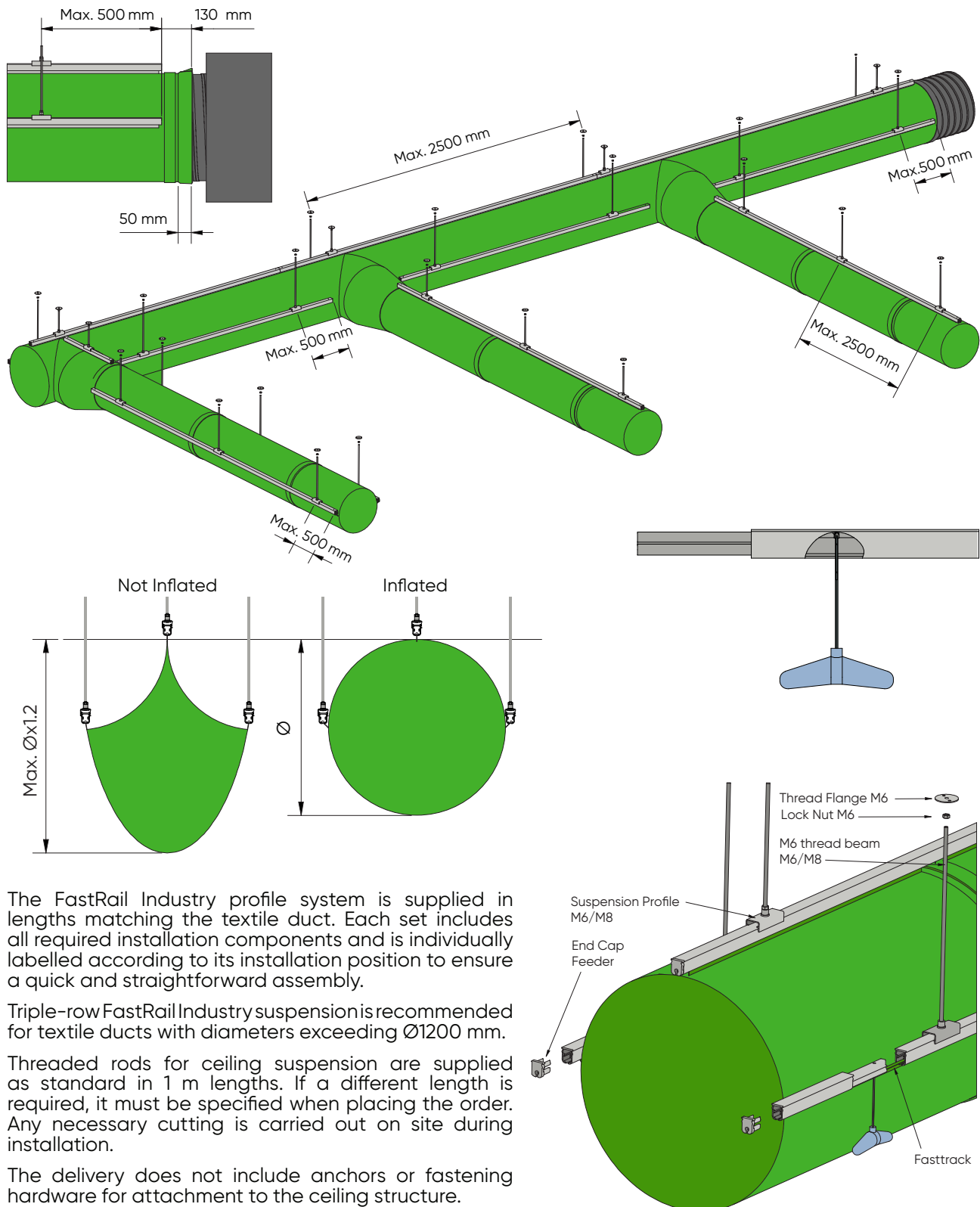
Ø1000 - Ø1699 mm: With Fasttrack and 4 straps.

Ø1700 - Ø2032 mm: With Fasttrack and 6 straps.



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Ø-Duct: Triple Suspension



The FastRail Industry profile system is supplied in lengths matching the textile duct. Each set includes all required installation components and is individually labelled according to its installation position to ensure a quick and straightforward assembly.

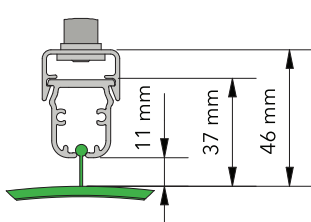
Triple-row FastRail Industry suspension is recommended for textile ducts with diameters exceeding Ø1200 mm.

Threaded rods for ceiling suspension are supplied as standard in 1 m lengths. If a different length is required, it must be specified when placing the order. Any necessary cutting is carried out on site during installation.

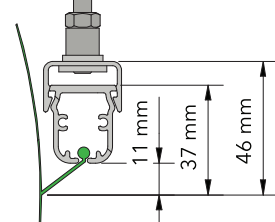
The delivery does not include anchors or fastening hardware for attachment to the ceiling structure.

Ø-Duct: Triple Suspension

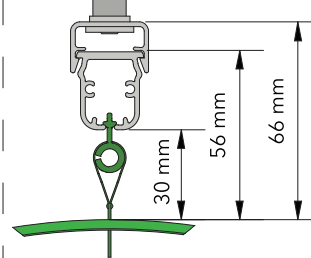
Fasttrack (12 o'clock)



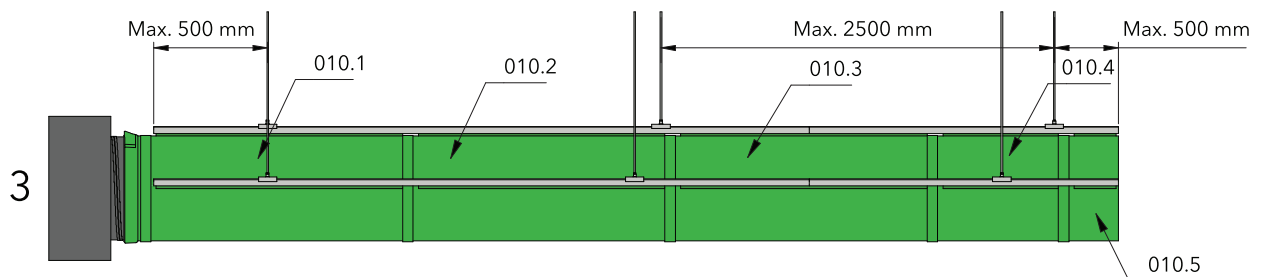
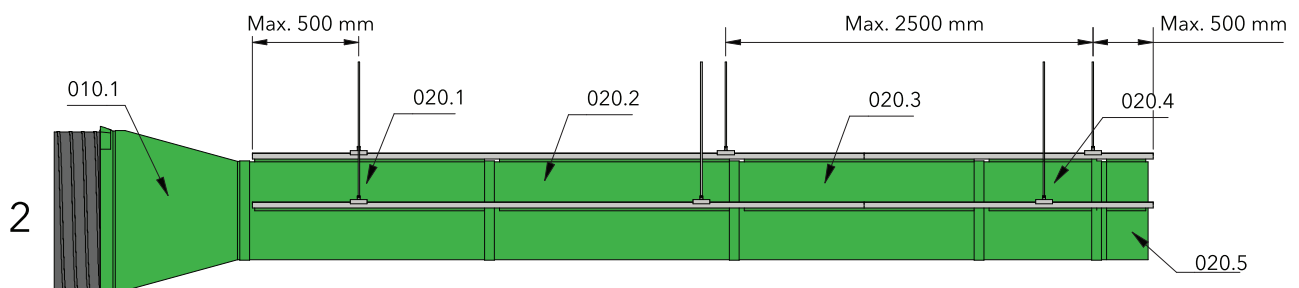
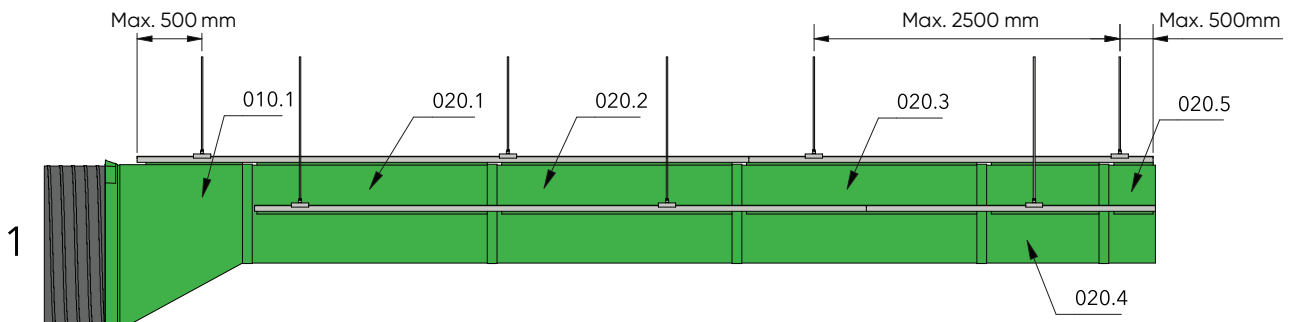
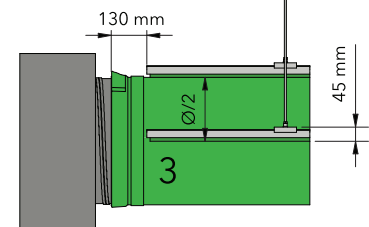
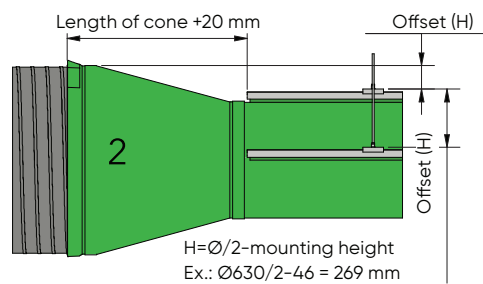
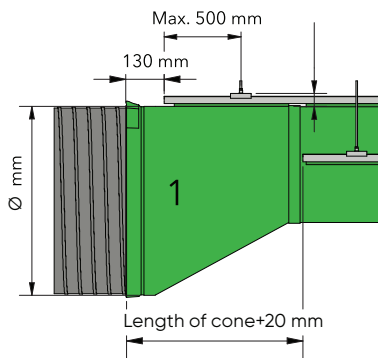
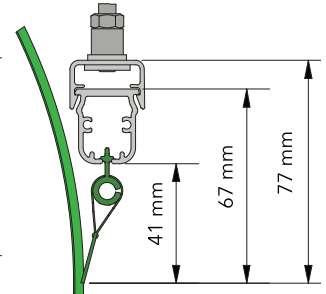
Fasttrack (3 and 9 o'clock)



EasySlider (12 o'clock)

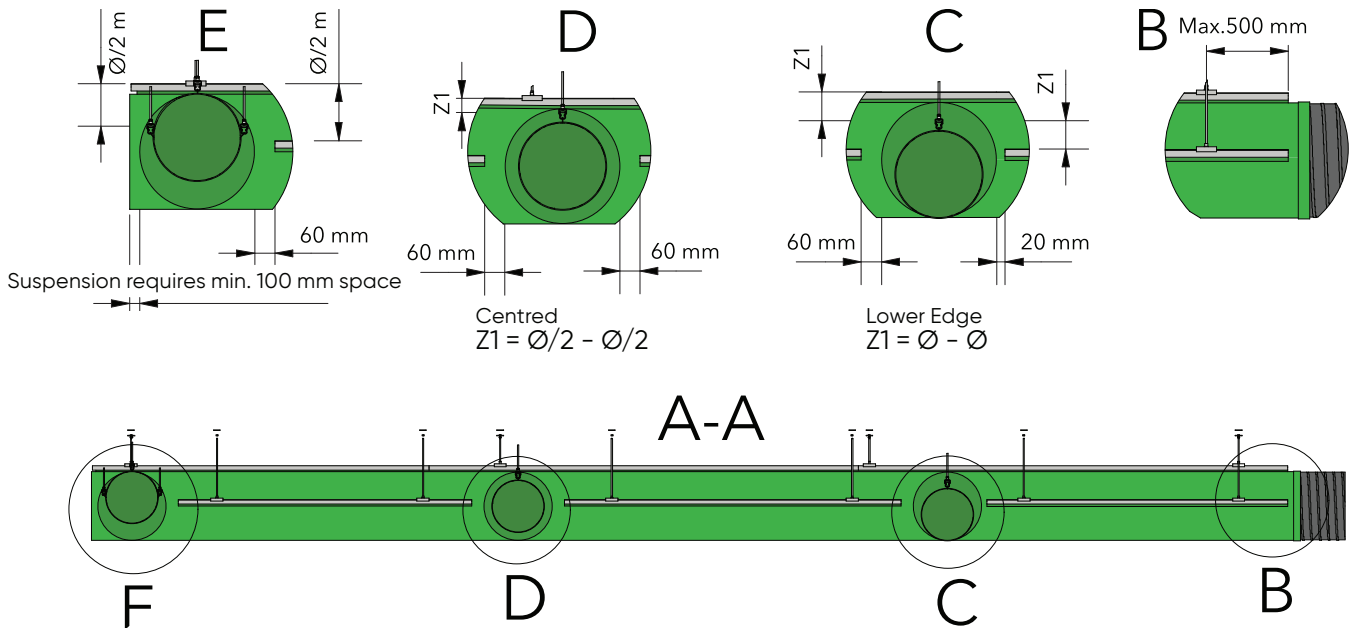


EasySlider (3 and 9 o'clock)



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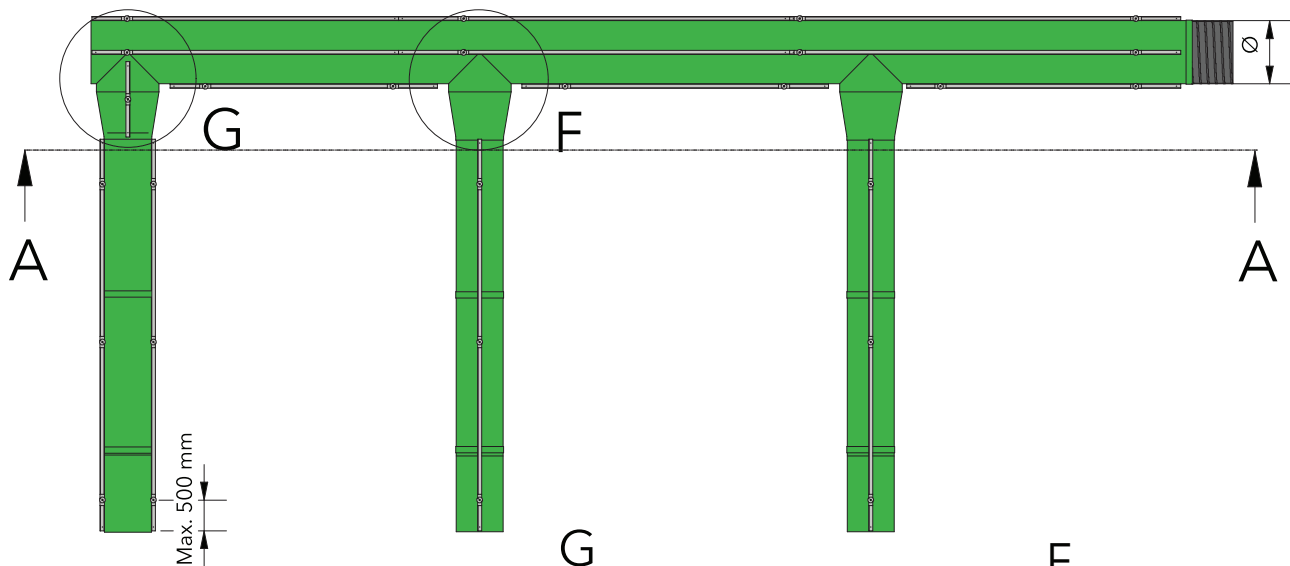
Ø-Duct: Plenum, Triple Suspension



For ducts aligned to lower edge:

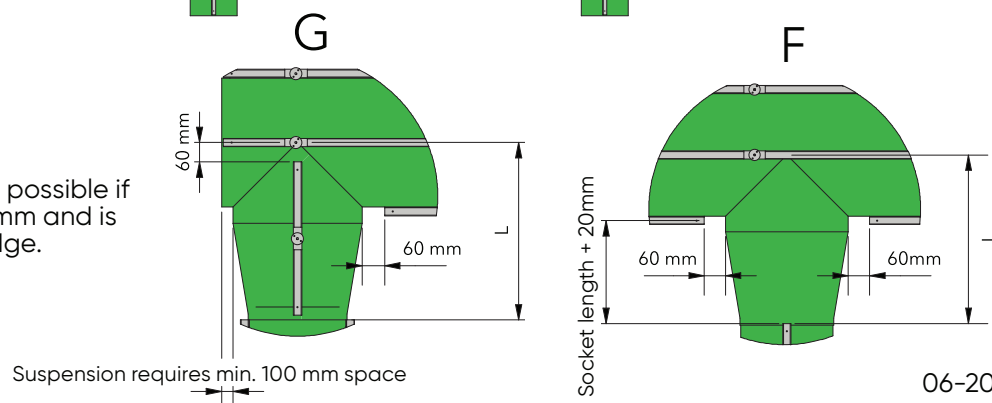
Height difference Z1 is calculated as follows: $(\text{Ø plenum}/2) - (\text{Ø duct}/2) = Z1$

Ex.: Plenum Ø630 mm, duct Ø300 mm: $(630/2) - (300/2) = 165$ mm



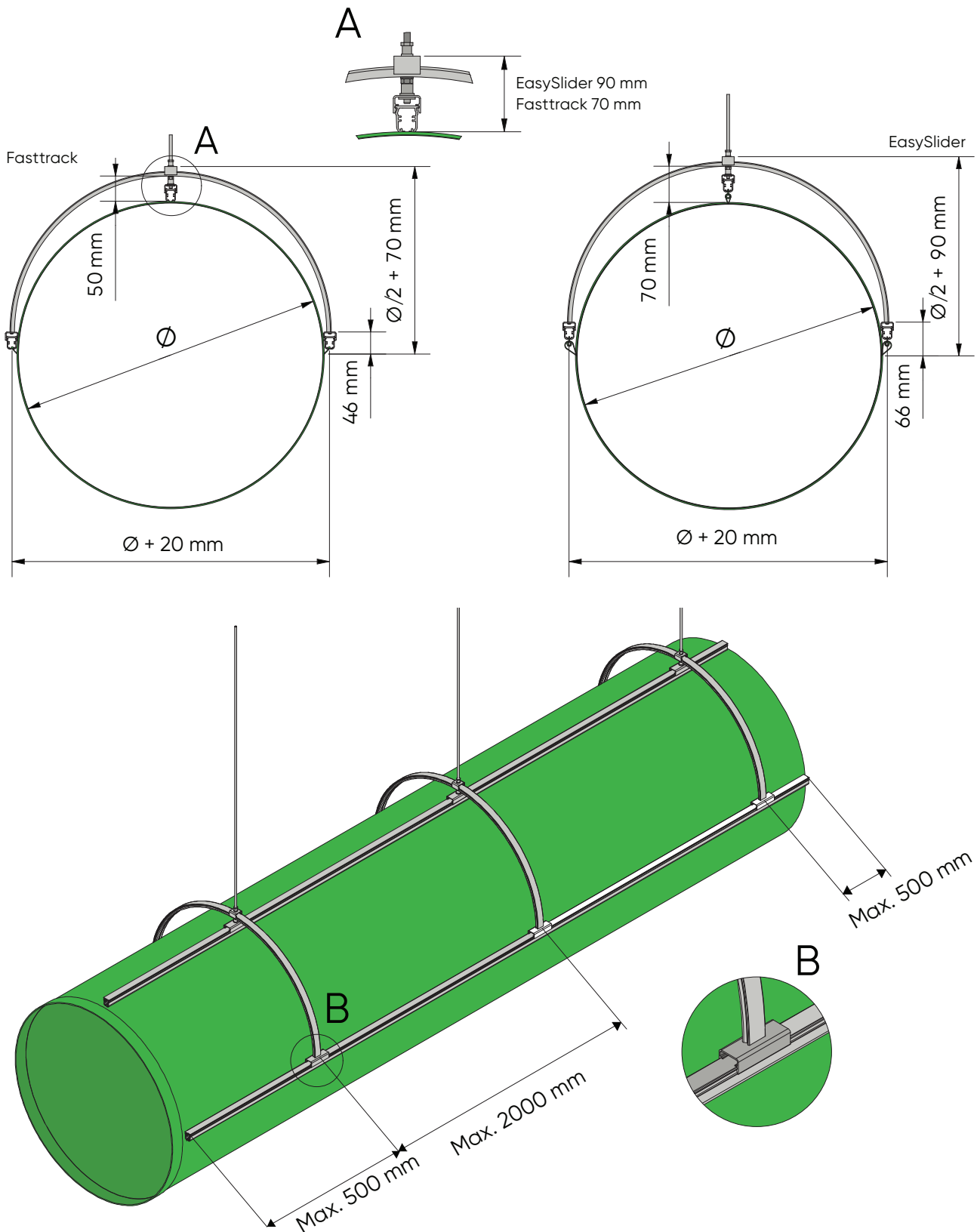
Note for sockets:

1 row of suspension is possible if duct exceeds L 500 mm and is aligned to the top edge.



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Ø-Duct: Dual Arch, Triple suspension



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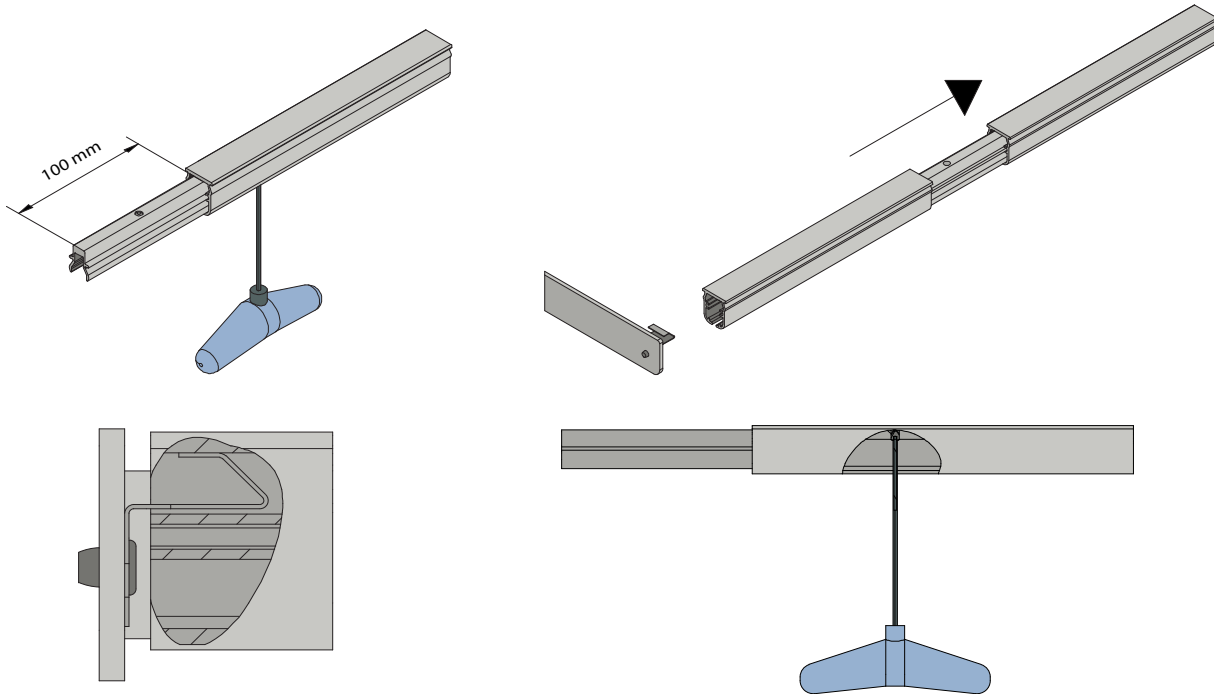
FASTRAIL INDUSTRY

Half-Round Duct

Technical Overview of Mounting Options
for Half-Round Textile Ducting

D-Duct: Suspension Options

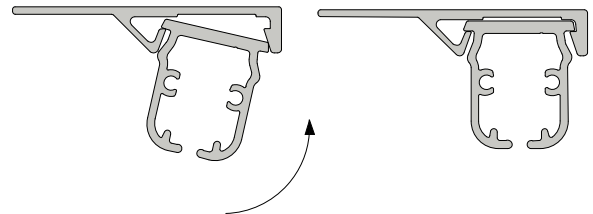
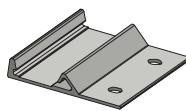
Install rail system according to drawing and enclosed mounting instructions. Please note below installation of rail systems with SafeCeil option (A).



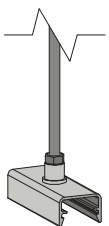
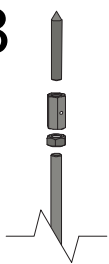
Suspension type

- A. SafeCeil
- B. Wood Screw (M6)
- C. Expansion bolt (M6)
- D. M6 thread flange
- E. Wire with M6 eyebolt
- F. SafeStrapUp (M6)

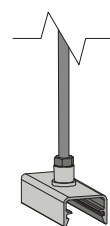
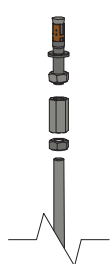
A



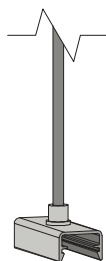
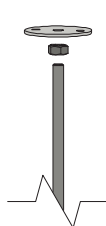
B



C



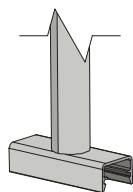
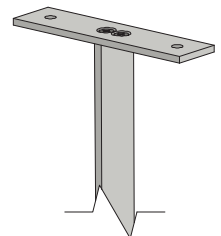
D



E



F



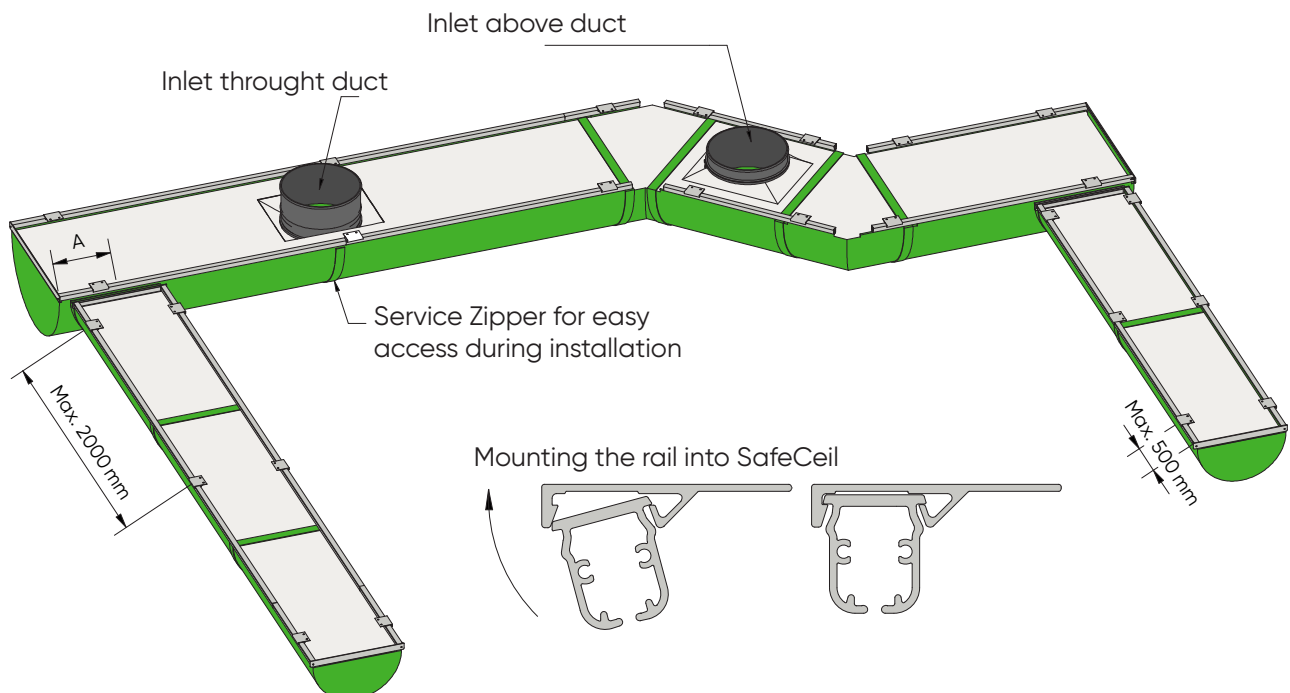
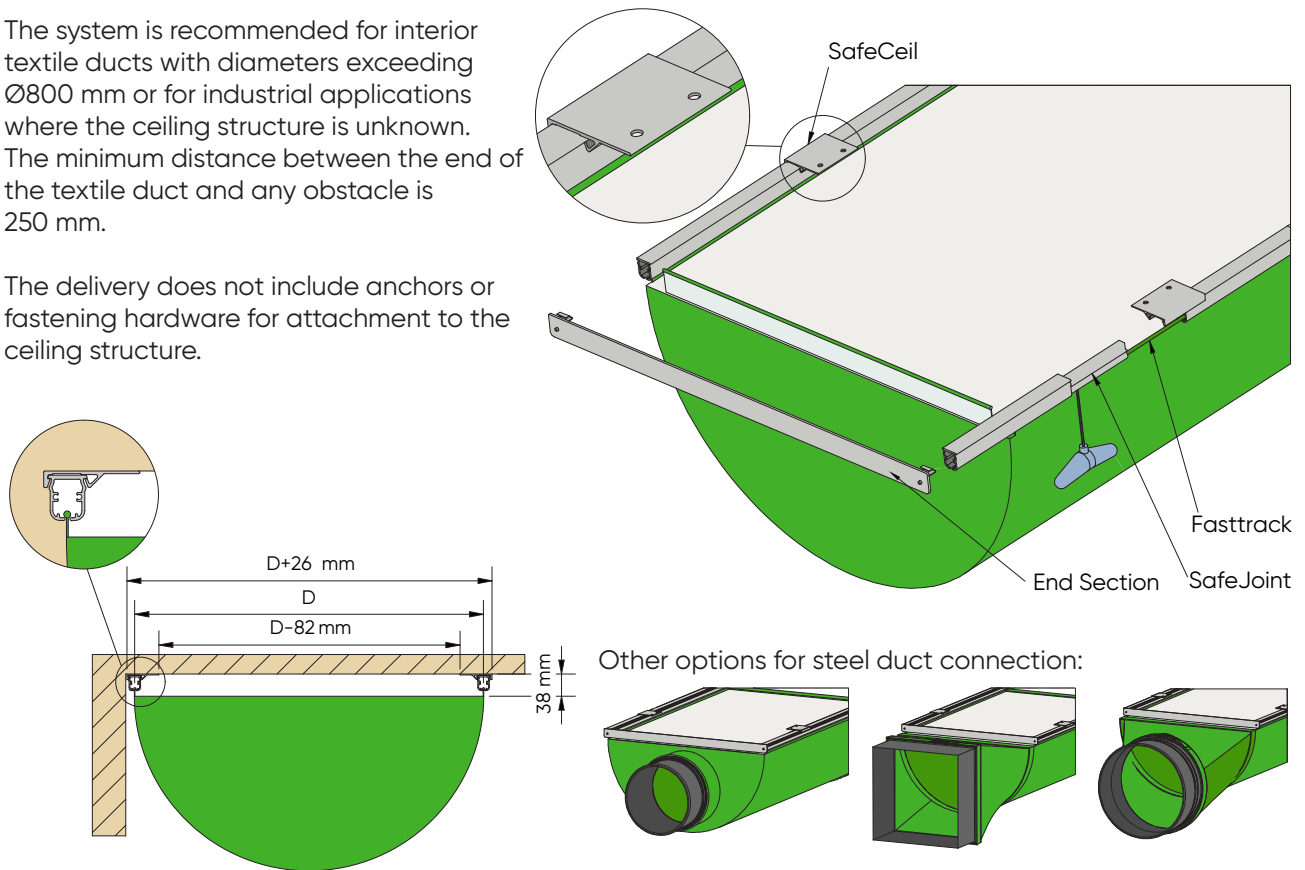
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D-Duct: Directly to the ceiling

The FastRail Industry system for half round duct is supplied in lengths matching the textile duct. Each set includes all required installation components and is individually labelled according to its installation position to ensure a quick and straightforward assembly.

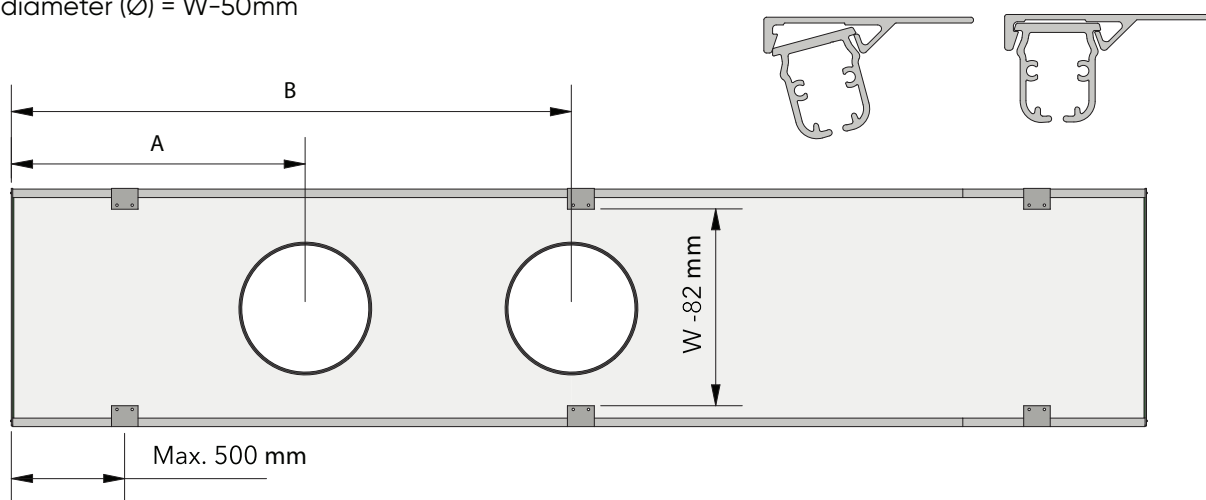
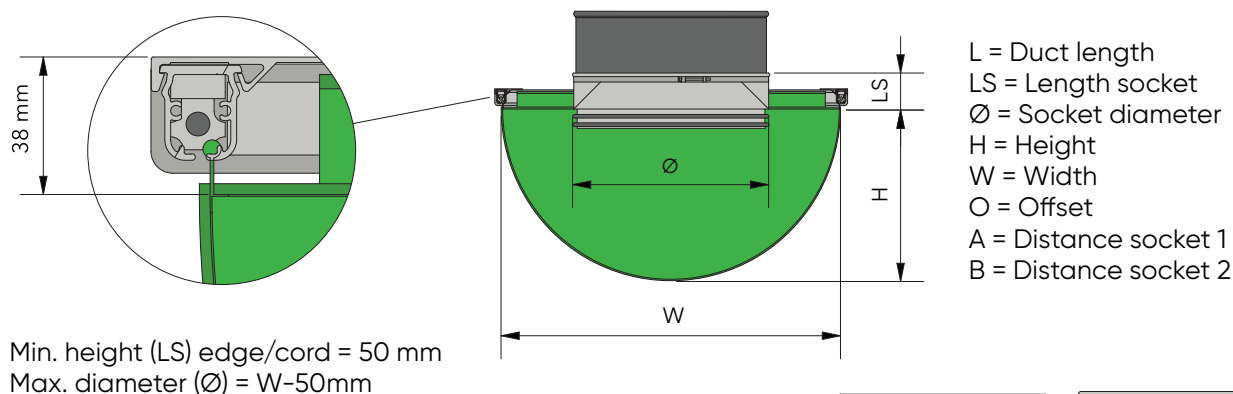
The system is recommended for interior textile ducts with diameters exceeding Ø800 mm or for industrial applications where the ceiling structure is unknown. The minimum distance between the end of the textile duct and any obstacle is 250 mm.

The delivery does not include anchors or fastening hardware for attachment to the ceiling structure.



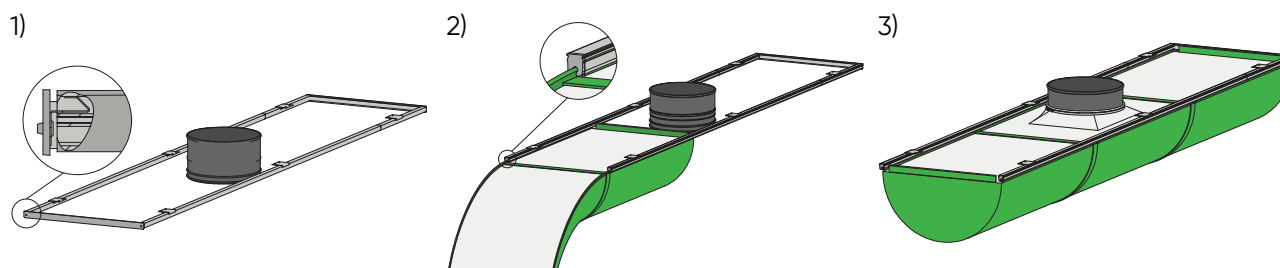
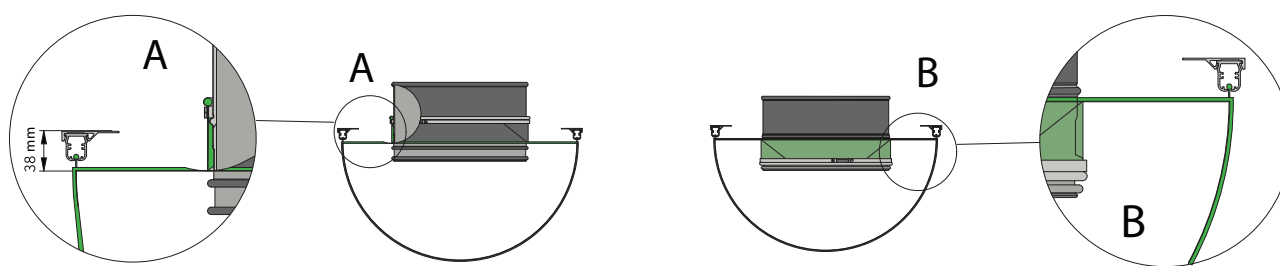
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D-Duct: Straight Duct



If it is possible to mount the socket above a false ceiling, a zipper near the socket on the duct is not necessary.

If mounting of the socket must be done from inside the space you must place at least 1 zipper close to the socket. Otherwise a service zipper must be placed in the arc of the duct.



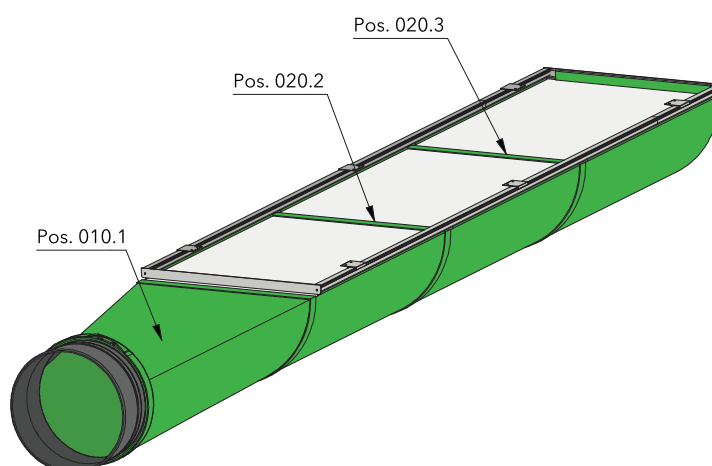
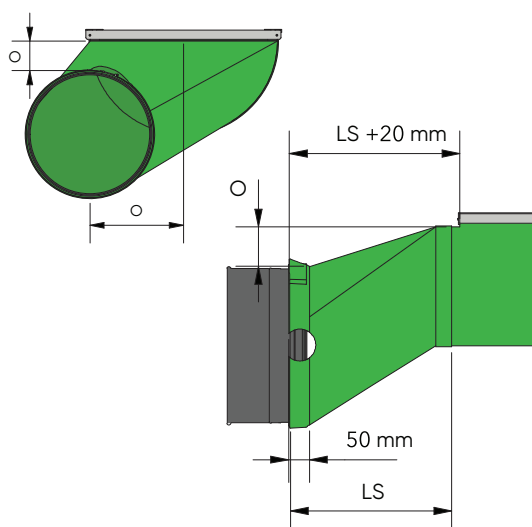
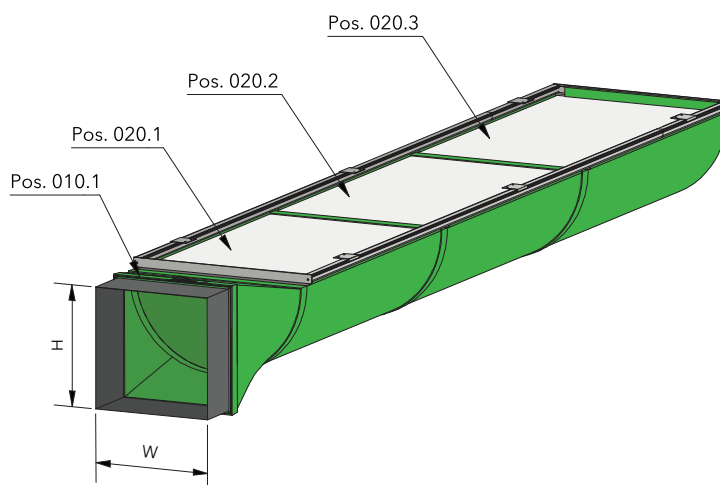
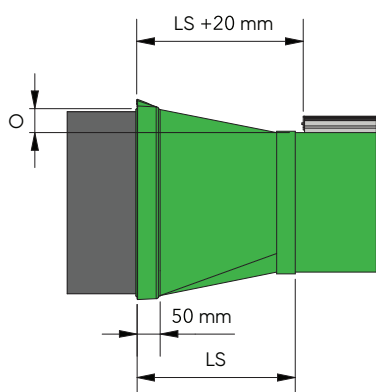
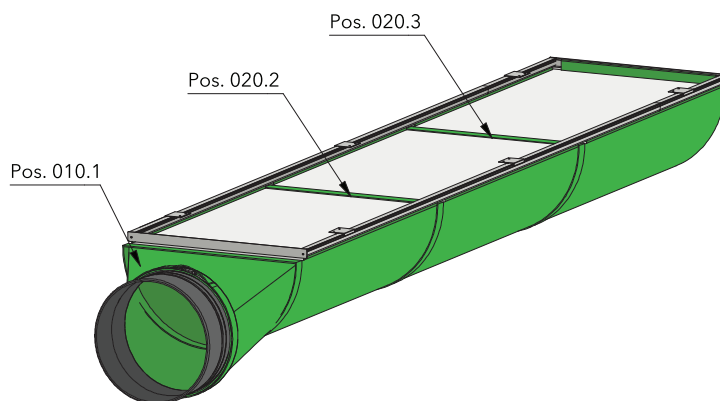
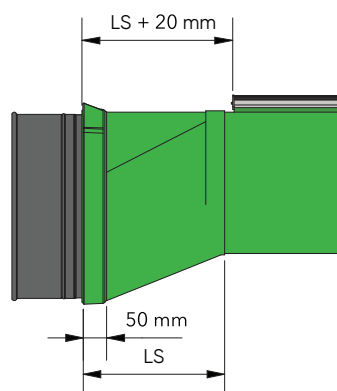
D-Duct: Inlet Options

L = Duct length
LS = Length socket

$\varnothing$ = Socket diameter
H = Height

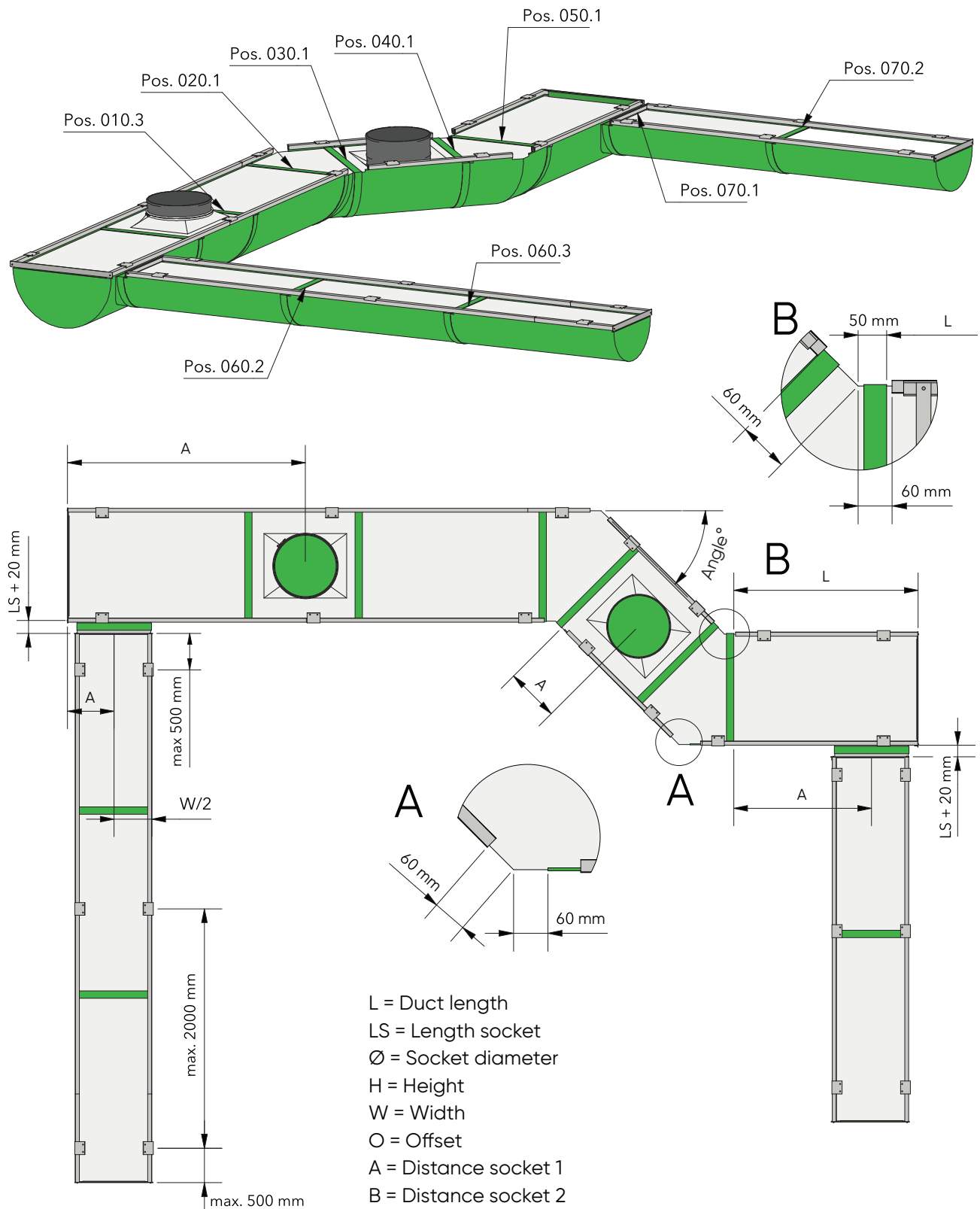
W = Width
O = Offset

A = Distance socket 1
B = Distance socket 2



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D-Duct: Plenum



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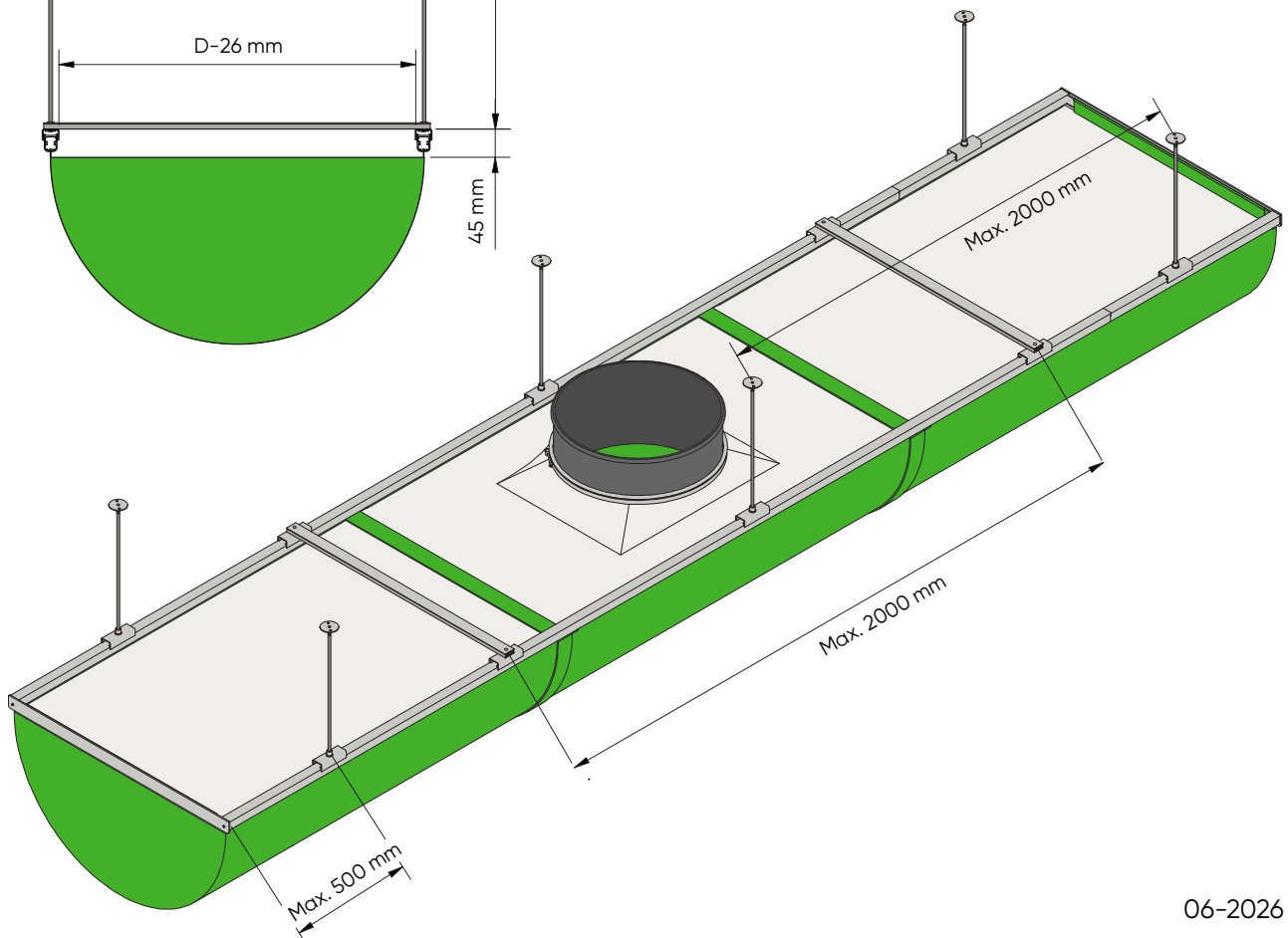
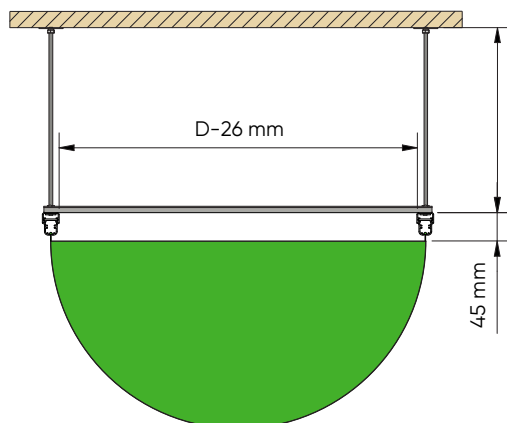
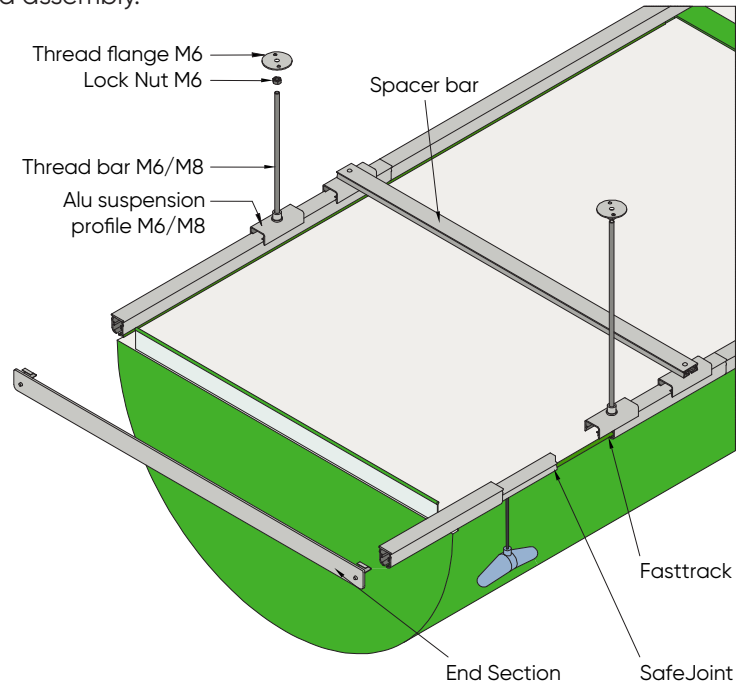
D-Duct: Directly to the ceiling

The FastRail Industry system for half round duct is supplied in lengths matching the textile duct. Each set includes all required installation components and is individually labelled according to its installation position to ensure a quick and straightforward assembly.

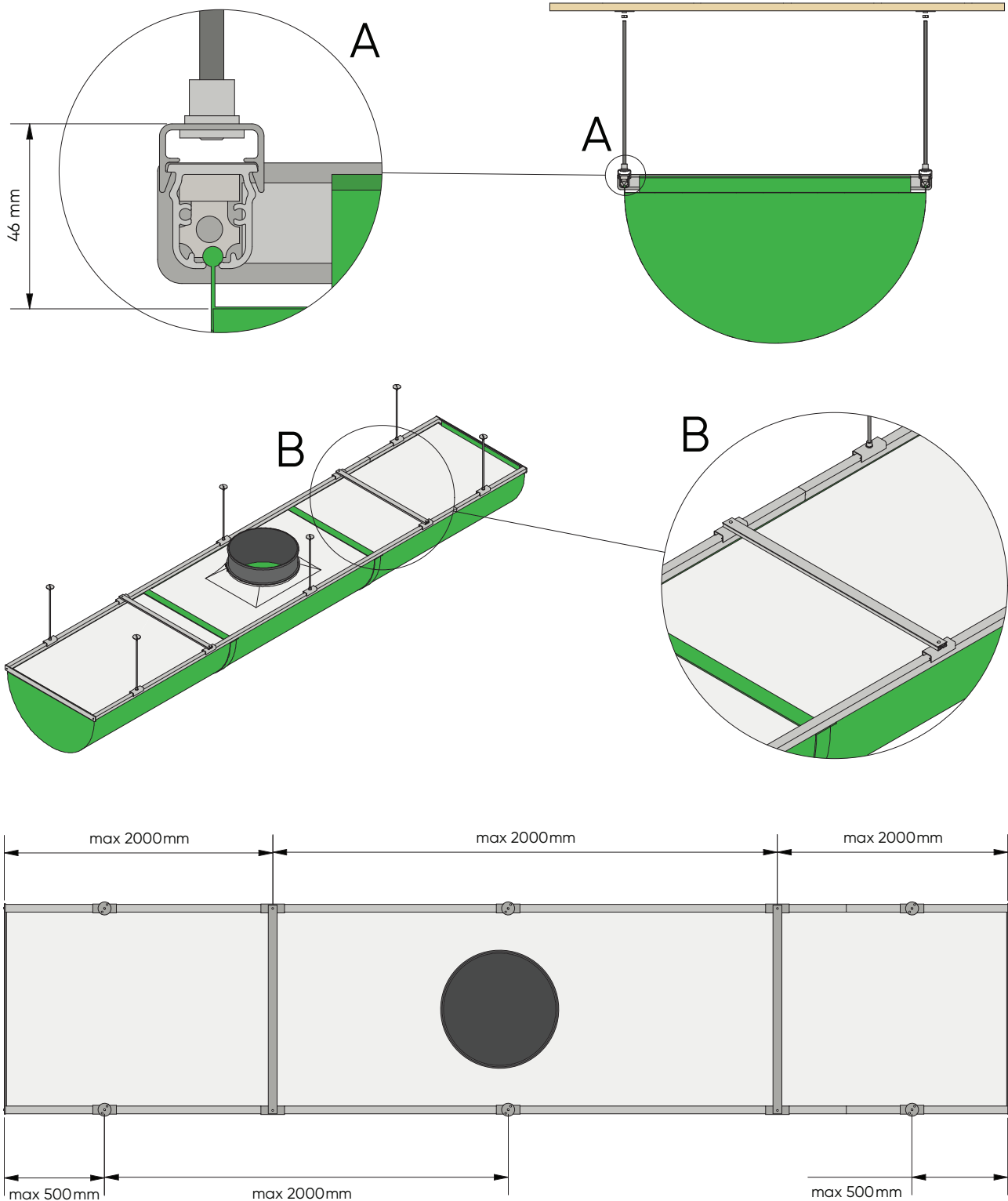
The system is recommended for interior textile ducts with diameters exceeding Ø800 mm or for industrial applications where the ceiling structure is unknown. The minimum distance between the end of the textile duct and any obstacle is 250 mm.

Threaded rods for ceiling suspension are supplied as standard in 1 m lengths. If a different length is required, it must be specified when placing the order.

The delivery does not include anchors or fastening hardware for attachment to the ceiling structure.



D-Duct: Suspended Duct



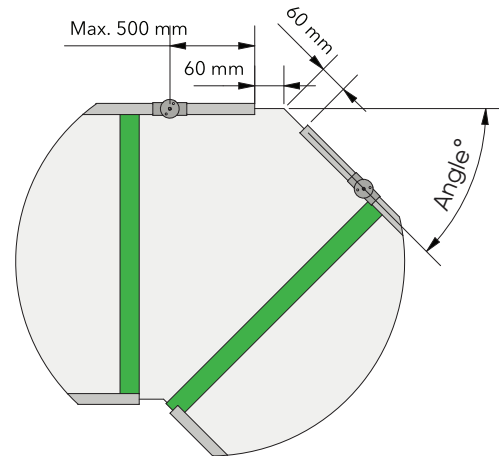
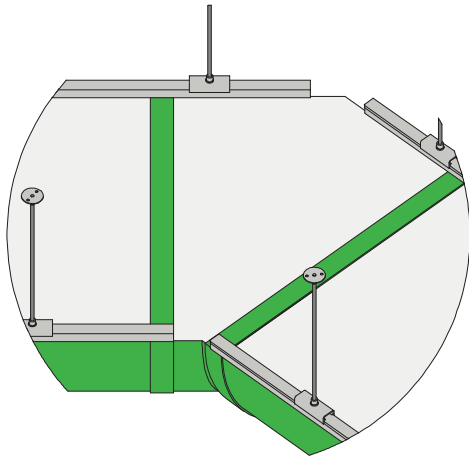
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FASTRAIL INDUSTRY

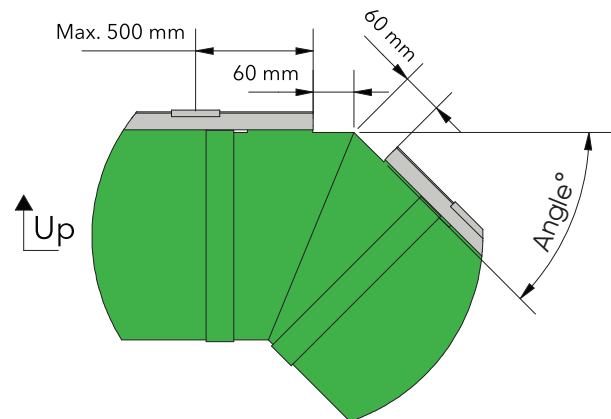
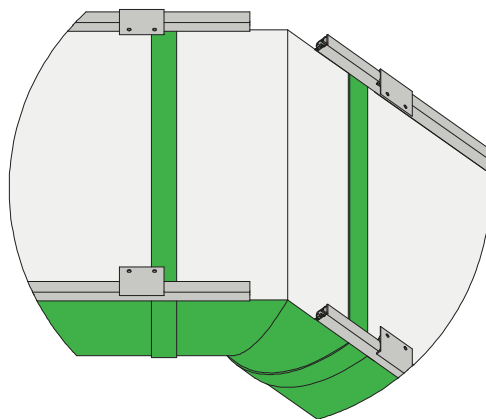
D-Duct: Elbow

See delivery note for specific angle

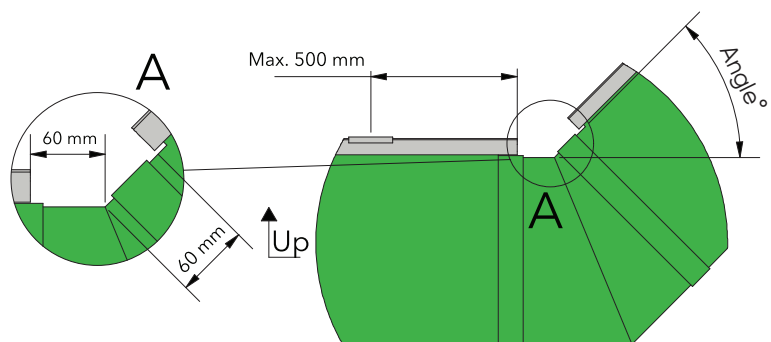
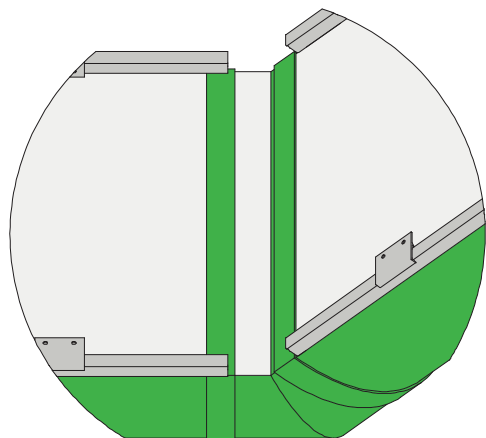
Elbow Right / Left



Elbow Downwards



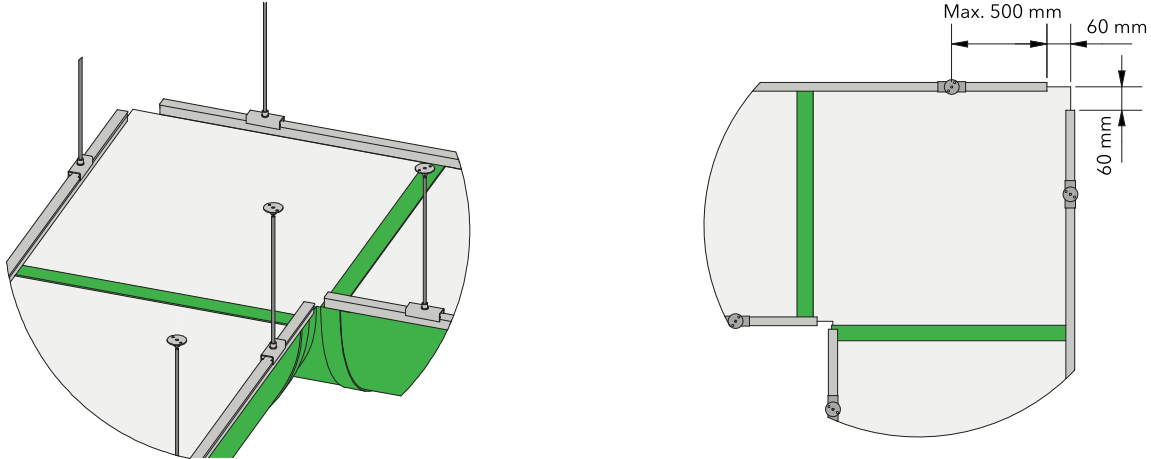
Elbow Upwards



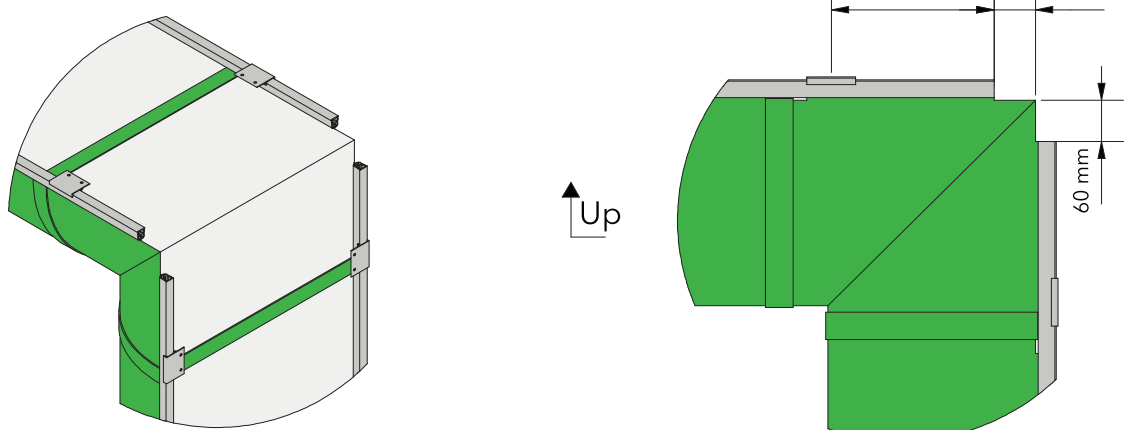
FASTRAIL INDUSTRY

D-Duct: Elbow 90°

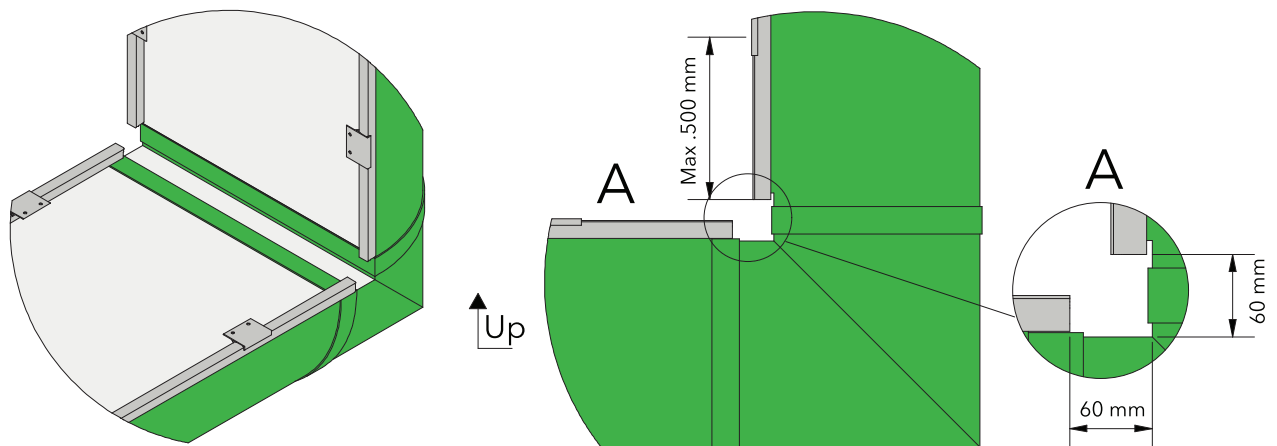
Elbow Right / Left



Elbow Downwards



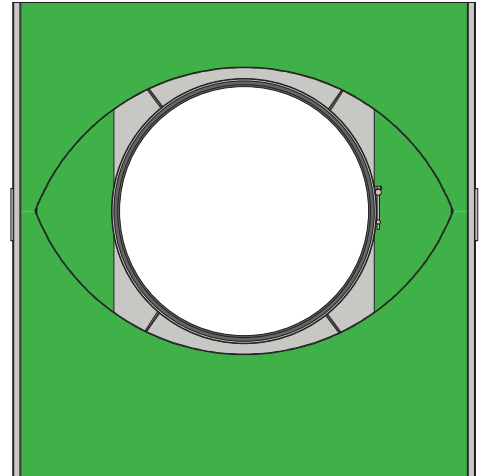
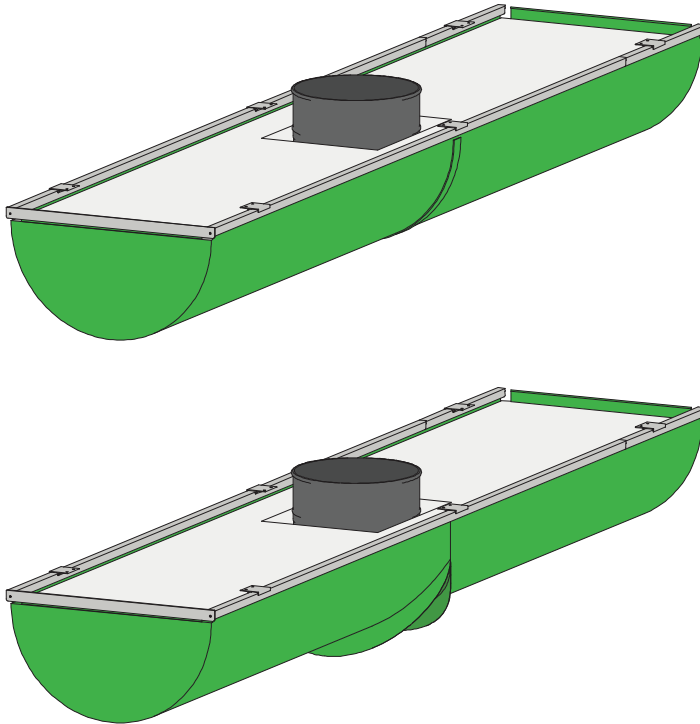
Elbow Upwards



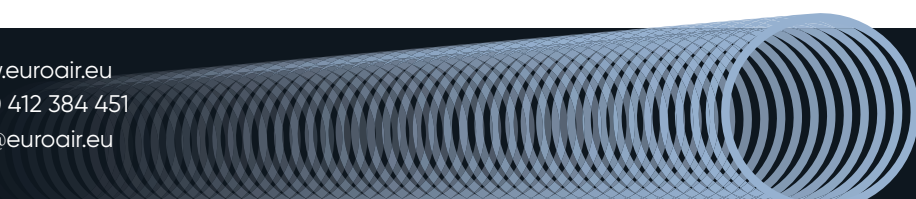
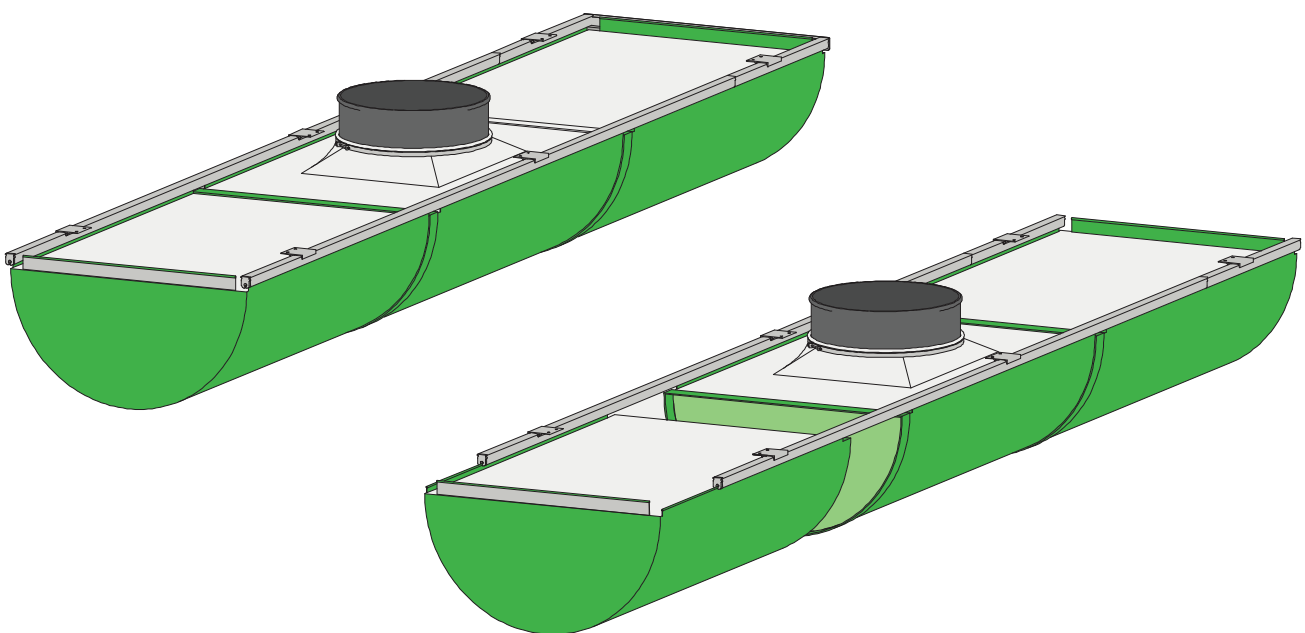
FASTRAIL INDUSTRY

D-Duct: Service Zipper

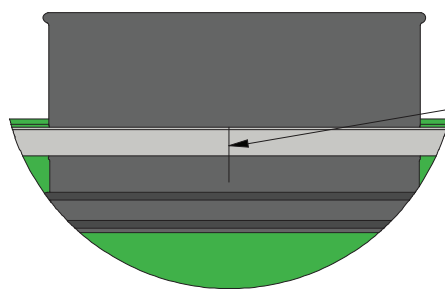
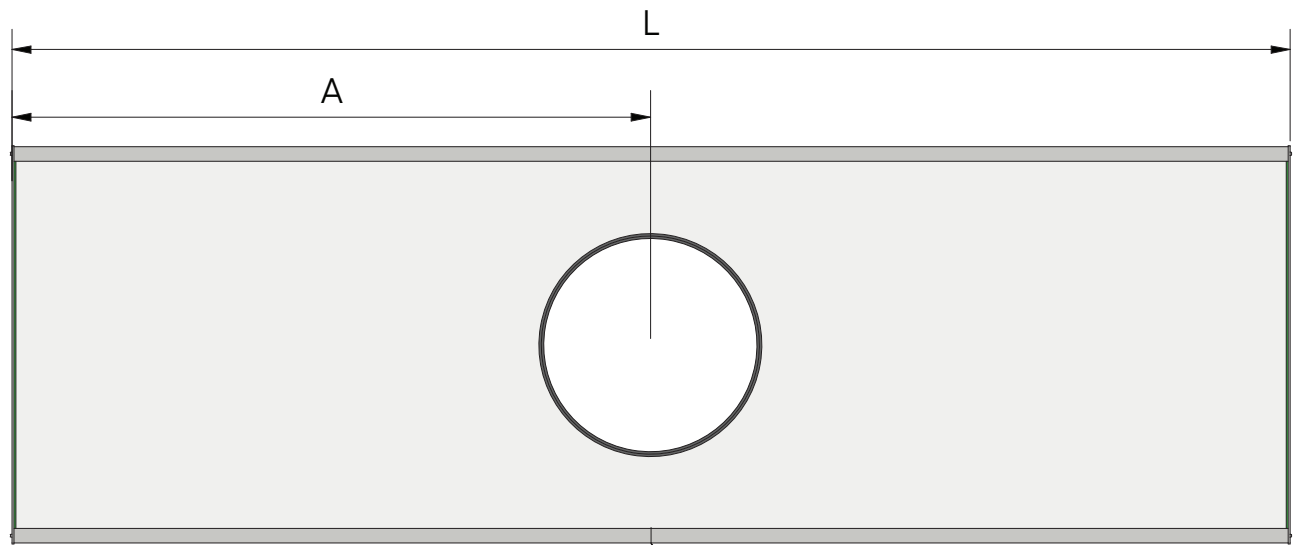
D-Duct with service zipper



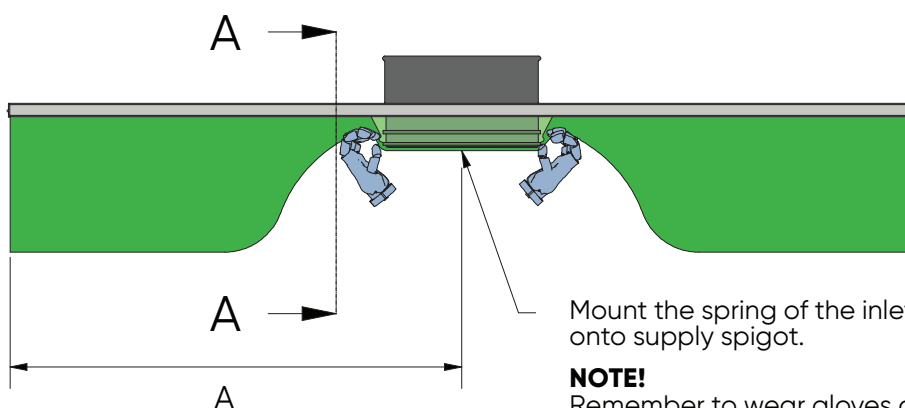
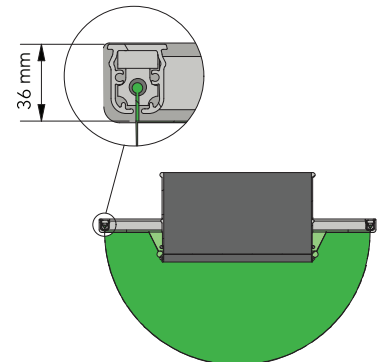
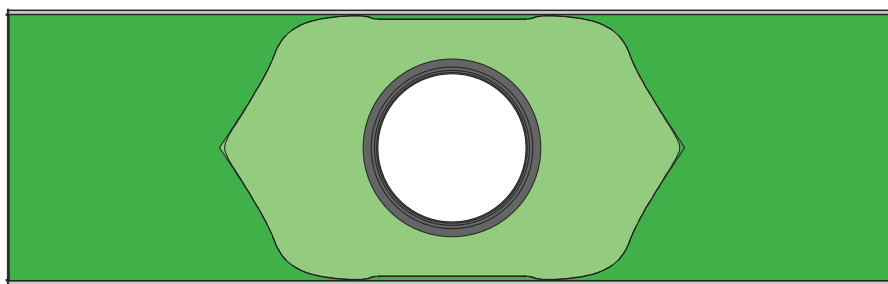
D-Duct with standard zipper near the inlet



D-Duct: Inlet Socket with Spring



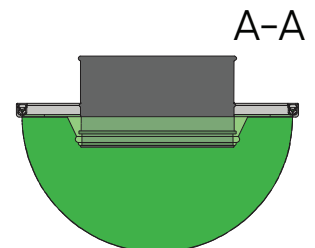
Mark the A measurement on the rail so that it is clear where the nozzle is located after the duct has been mounted in the rails.



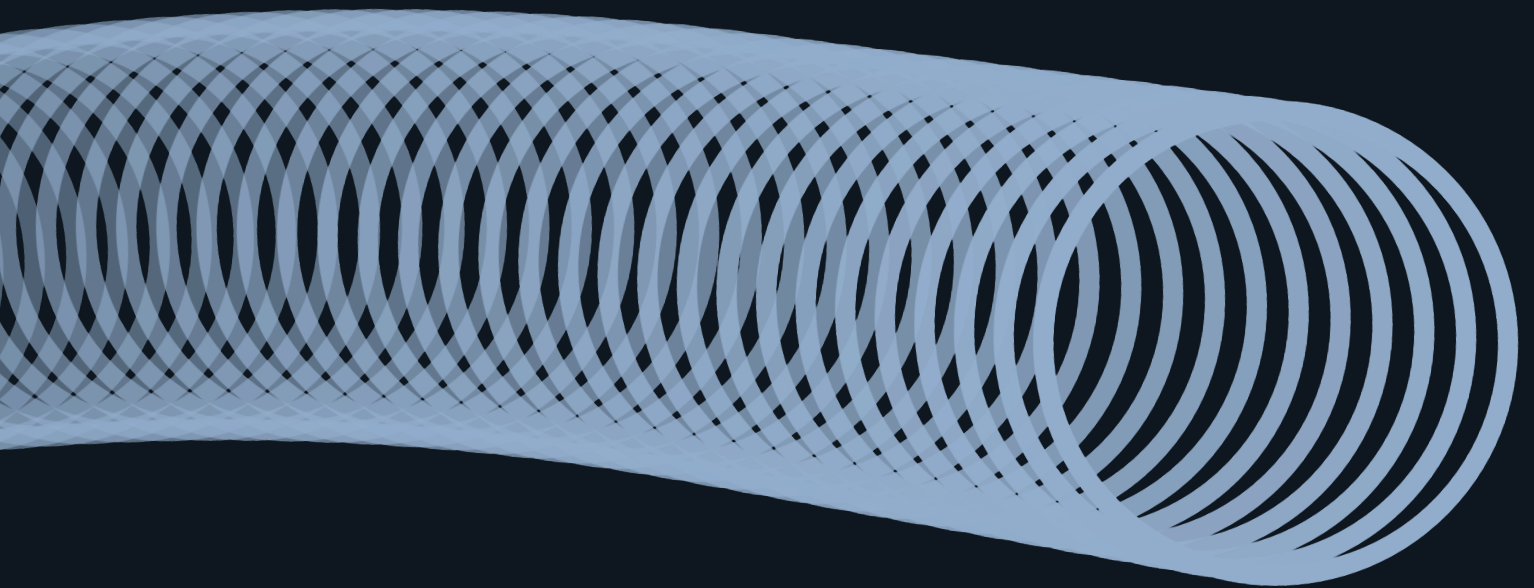
Mount the spring of the inlet socket onto supply spigot.

NOTE!

Remember to wear gloves or wash your hands prior to installation.



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