

# Alsident® System100

*Aluminium (AL)*



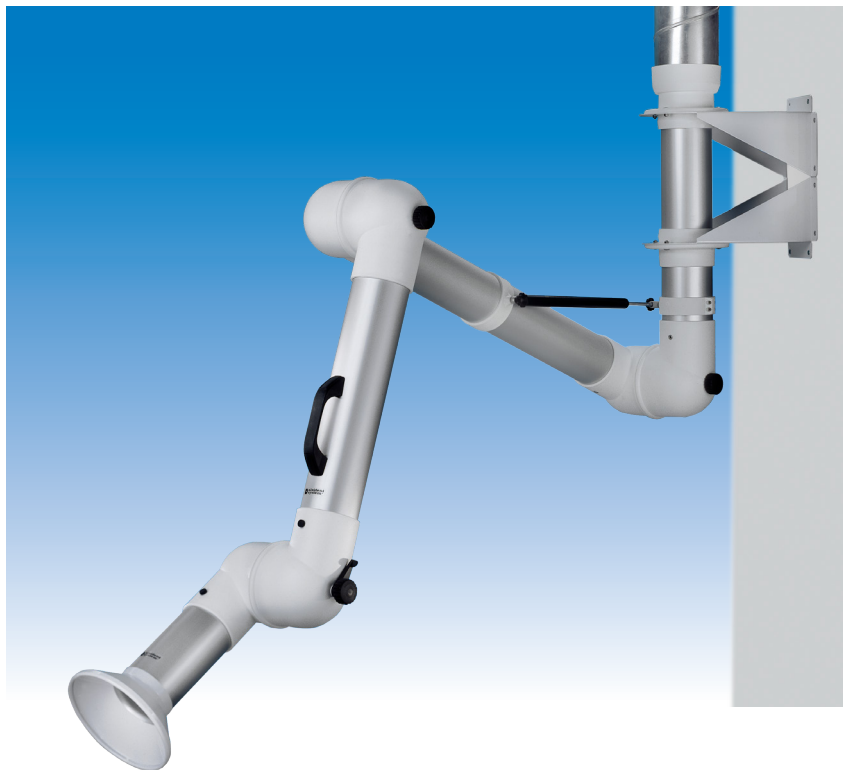
## Product Information







## Product Description



### System 100 – Aluminium

#### Alsident® System 100 AL – airflow between 140 - 400 m³/h

System 100 Aluminium is suitable in non-aggressive working environments where large airvolumes are required and where there are no special requirements for chemical resistance or antistatic abilities such as laboratories, hospitals, chemical-, pharmaceutical- and food industry, universities and engineering industries.

The standard Alsident® System 100 AL extraction arms are available in various types that are complementary to each other with ranges up to 2630 mm. The System 100 AL extraction arms are easily mounted with standard brackets for table, wall or ceiling. In combination with the range of hood designs this makes it possible to choose an extraction arm adapted for each work situation.

Alsident® System 100 AL extraction arms are self-sustaining with an internal bearing spring, joints of Polypropylene (PP) and tubes of anodized aluminium with a diameter of 100 mm. All internal components are of acid-proof stainless steel (AISI 316L). The shortest models are supplied with an internal spring, whereas the longest models are supplied with one or two external gas springs.

The construction constitutes a very user-friendly extraction arm that is easy to adjust to the source of the pollutant during the working process.

An extraction arm from Alsident® System consists of three parts: An extraction arm, a hood and a mounting bracket. Each part must be ordered separately.

In addition to the standard range, Alsident® System 100 AL offers special customized solutions. The Alsident® technical department is always ready to help you find the best solution.

Alsident® offers short delivery time for both standard productions and special solutions.

# Product Specification



## Technical Specifications

<b>Recommended Airflow:</b>	Normal:	270 m <sup>3</sup> /h
	Minimum:	140 m <sup>3</sup> /h
	Maximum:	400 m <sup>3</sup> /h

<b>Air Temperature:</b>	-15°C – +90°C
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<b>Material:</b>	Pipes:	Anodized Aluminium (10 µ)
	Joint:	Polypropylene (PP) – white
	O-ring:	Polyethylene (PE) – white
	Flange:	Polypropylene (PP) – white
	Damper::	Polypropylene (PP)
	Thumbscrew:	Polypropylene (PP) – black
	Threaded Stay:	Acid-proof stainless steel (AISI 316L)
	Spring <sup>1)</sup> :	Acid-proof stainless steel (AISI 316L)
	Gas spring <sup>2)</sup> :	Steel <sup>3)</sup>

1) Used for arm types up to 100-6555

2) Used for arm types 100-9065, 100-10585 and 100-135105

3) Also available in stainless steel on request

<b>Abbr.:</b>	PP:	Polypropylene <i>Shatterproof and chemical resistant</i>
	PE:	Polyethylene
	PETG:	Polyethylene Therephthalat, Glycol-modified <i>Transparent and resistant to solvents</i>

*Local Extraction for workplaces incl. all materials for mounting.*

*All components RoHS-compatible according to the directive 2002/95/EF (RoHS).*

## Key to the signatures

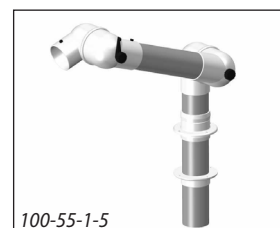
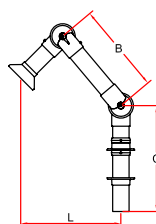
SYSTEM NO.	VERSION	CHAPTER	PAGE NO.
<b>100</b>	<b>AL</b> Aluminium	<b>GI</b> General Information	<b>01</b>
		<b>TM</b> Table mounted	
		<b>WM</b> Wall mounted	
		<b>CM</b> Ceiling mounted	

# Product Overview

## Table mounted

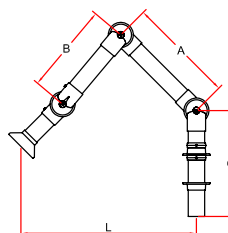


### Table mounted (TM), 2-Joint



Diam. [mm]	L [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	795	550	650	3.5	100-55-1-5

### Table mounted (TM), 3-Joint



Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	1040	450	400	650	4.5	100-4540-1-5
100	1185	550	450	650	5.0	100-5545-1-5
100	1370	650	550	650	5.5	100-6555-1-5
100	1710	900	650	650	6.5	100-9065-1-5 <sup>1) 3)</sup>
100	2130	1050	850	650	7.0	100-10585-1-5 <sup>2) 3)</sup>

1) With 1 gas spring

2) With 2 gas springs

3) With handle on B-pipe

SYSTEM 25

SYSTEM 50

SYSTEM 63

SYSTEM 75

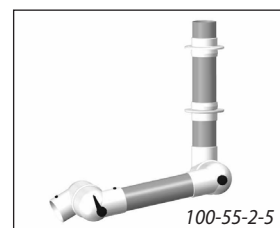
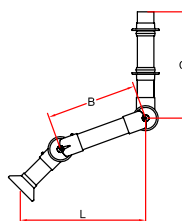
SYSTEM 100 AL

# Product Overview

## Wall mounted

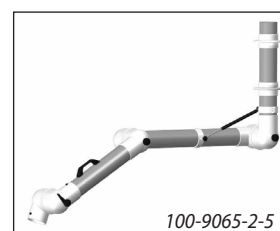
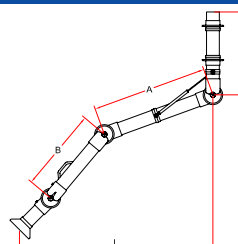


### Wall mounted (WM), 2-Joint



Diam. [mm]	L [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	795	550	646	4.0	100-55-2-5

### Wall mounted (WM), 3-Joint



Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	1040	450	400	646	5.0	100-4540-2-5
100	1185	550	450	646	5.5	100-5545-2-5
100	1370	650	550	646	6.0	100-6555-2-5
100	1710	900	650	646	7.0	100-9065-2-5 <sup>1) 3)</sup>
100	2130	1050	850	646	7.5	100-10585-2-5 <sup>2) 3)</sup>
100	2630	1350	1050	646	8.5	100-135105-2-5 <sup>2) 3)</sup>

1) With 1 gas spring

2) With 2 gas springs

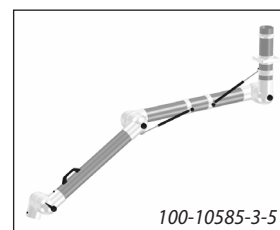
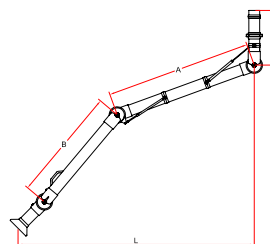
3) With handle on B-pipe



# Product Overview

## Ceiling mounted

### Ceiling mounted (CM), 3-Joint



Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	1185	550	450	506	5.5	100-5545-3-5
100	1370	650	550	506	6.0	100-6555-3-5
100	1710	900	650	506	7.0	100-9065-3-5 <sup>1) 3)</sup>
100	2130	1050	850	506	7.5	100-10585-3-5 <sup>2) 3)</sup>
100	2630	1350	1050	506	8.5	100-135105-3-5 <sup>2) 3)</sup>

1) With 1 gas spring

2) With 2 gas springs

3) With handle on B-pipe

SYSTEM 25

SYSTEM 50

SYSTEM 63

SYSTEM 75

SYSTEM 100 AL



# Accessories Overview

## Hoods

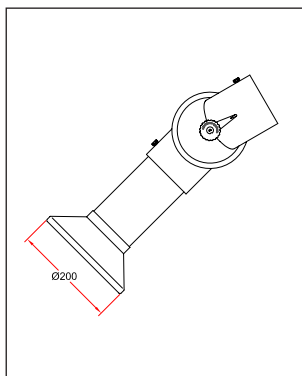
### Metal Hood (diam. 200 mm)

Part No.: 1-10024-5

Recommended when extracting hot gases, fumes, light dust concentrations etc. The powder coated surface improves the durability of the hood.

#### Material

Metal Hood: Aluminium (powder coated)  
Connection tube: Aluminium (Anodized – 10 µ)



### Metal Hood (diam. 200 mm)

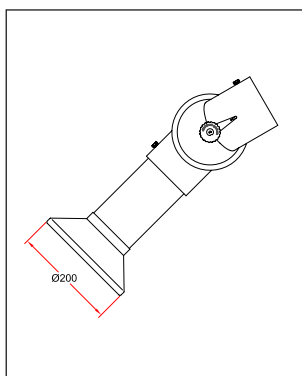
Part No.: 1-10024

Recommended when extracting hot gases, fumes, light dust concentrations etc.

Suitable for autoclaving.

#### Material

Metal Hood: Aluminium (Anodized – 10 µ)  
Connection tube: Aluminium (Anodized – 10 µ)



### Dome Hood (diam. 385 mm)

Part No.: 1-10035-5

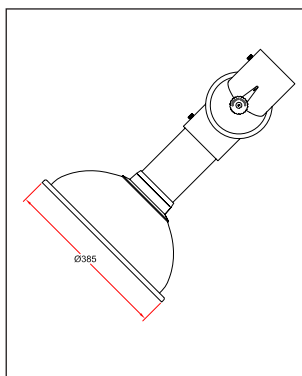
Recommended for light fumes, gases and small open vessels. The transparent hood assists in keeping a good view of the workpiece. Increased stability due to reinforced rim of the hood. Increased efficiency at an angled position.

#### Material

Hood: PETG <sup>1)</sup>  
Flange: Polypropylene (PP) <sup>1)</sup>  
Connection to tube <sup>2)</sup>: Aluminium (Anodized – 10 µ)

1) See page GI02

2) Separately enclosed at delivery







# Accessories Overview

## Hoods

### Hood (diam. 500 mm)

**Part No.: 1-10050-5**

Recommended for light fumes, gases and large open vessels. The transparent hood assists in keeping a good view of the workpiece. Increased stability due to reinforced rim of the hood. Increased efficiency at an angled position.

**Material**

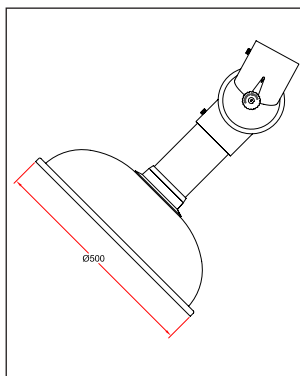
Hood: PETG <sup>1)</sup>

Flange: Polypropylene (PP) <sup>1)</sup>

Connection to tube <sup>2)</sup>: Aluminium (Anodized – 10µ)

1) See page GI02

2) Separately enclosed at delivery



### Metal Hood (diam. 350 mm)

**Part No.: 1-10036-5**

Recommended for large concentrations of dust, hot fumes and gases. Increased efficiency at an angled position.

**Material**

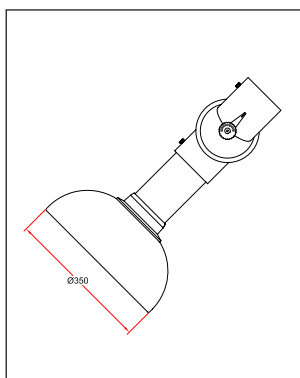
Hood: Aluminium (Anodized – 10µ)

Flange: Polypropylene (PP) <sup>1)</sup>

Connection to tube <sup>2)</sup>: Aluminium (Anodized – 10µ)

1) See page GI02

2) Separately enclosed at delivery



### Metal Hood (diam. 350 mm)

**Part No.: 1-10036-5-5**

Recommended for large concentrations of dust, hot fumes and gases. The powder coated surface improves the durability of the hood. Increased efficiency at an angled position.

**Material**

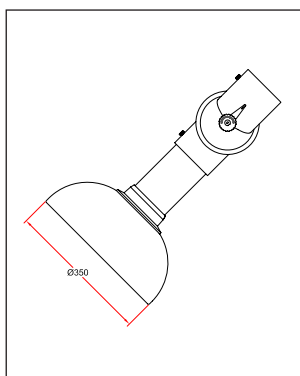
Hood: Aluminium (powder coated)

Flange: Polypropylene (PP) <sup>1)</sup>

Connection to tube <sup>2)</sup>: Aluminium (Anodized – 10µ)

1) See page GI02

2) Separately enclosed at delivery



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# Accessories Overview

## Hoods



### Flat Screen (420 x 280 mm)

Part No.: 1-1004228-5

Recommended when extracting heavy gases and fumes. High efficiency when placed vertically on a surface e.g. a table. Practical rim for easy positioning of the hood. Gets close to the source without obstructing the work process.

#### Material

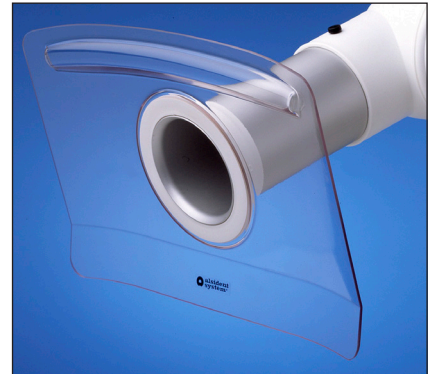
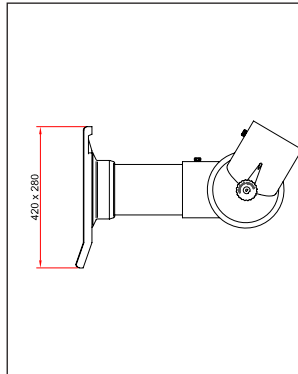
Hood: PETG <sup>1)</sup>

Flange: Polypropylene (PP) <sup>1)</sup>

Connection to tube <sup>2)</sup>: Aluminium (Anodized – 10µ)

1) See page GI02

2) Separately enclosed at delivery



# Accessories Overview

## Brackets and Columns



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SYSTEM 100 AL

### Wall Bracket

Part Nos.: 2-10035 /-22

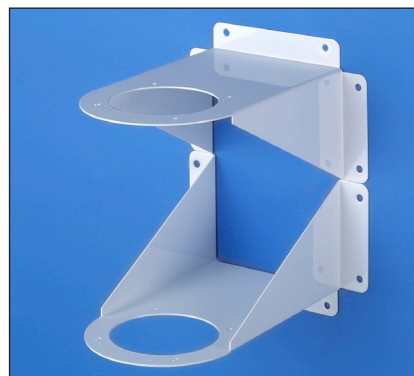
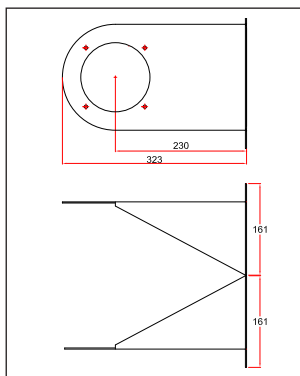
Used for System 100 Wall or Table Mounted Extraction Arms.

The wall bracket is made of steel with a white polyester powder coated surface or stainless steel (AISI 316 L).

Other colours available on request.

Material	Part No.
Powder coated	2-10035
Stainless Steel	2-10035-22

Note: Invoiced as two half pieces.



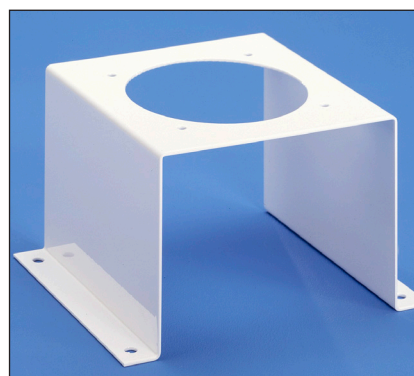
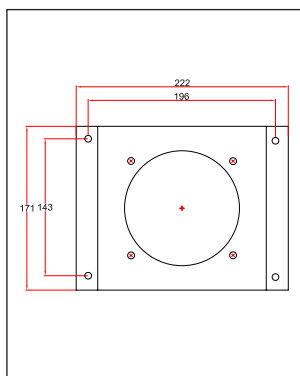
### U-Profile

Part No.: 30-100-5

Used for reinforcement of the socket pipe when mounting a System 100 extraction arm in the table plate.

The U-Profile can be mounted both above or under table plate.

Made of steel with a white powder coated surface and an extra flange. Other colours for the U-profile available on request.

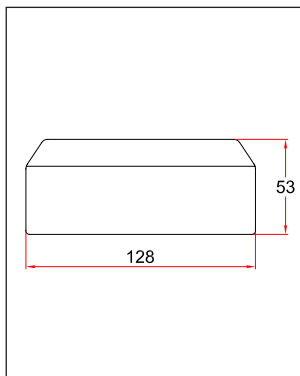


### Reducer

Part No.: 4-100125

Used to connect System 100 Extraction Arms to duct. Made of white polypropylene (PP).

Reduces from Ø125 to Ø100.



# Accessories Overview

## Brackets and Columns

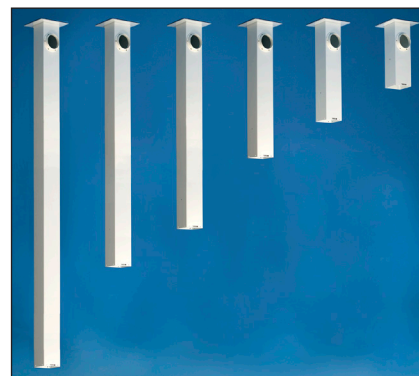
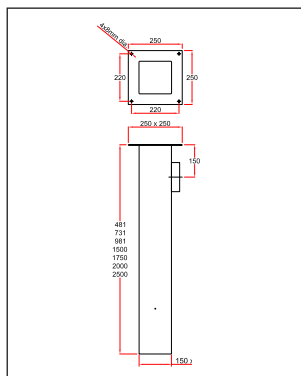


### Ceiling Columns

Used for mounting the System 100 Ceiling Mounted Extraction Arms. The ceiling column is made of white polyester powder coated steel. Available in three standard lengths with side connection to duct.

Other lengths, colours and acid-proof stainless steel available on request. Top connection also available on request.

Connection diameter: 125 mm



Top connection, Part No.: .....

Length [mm]	Weight app. [kg]	White
500	4.0	2-100-500
750	5.5	2-100-750
1000	6.5	2-100-1000
1500	9.0	2-100-1500
1750	10.5	2-100-1750
2000	11.5	2-100-2000
2500	13.0	2-100-2500

### Support Bracket for long ceiling column

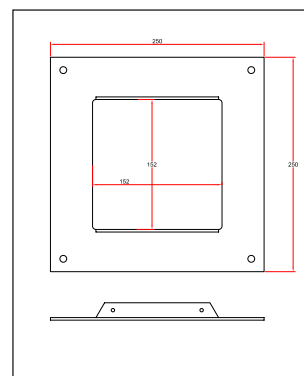
Part No.: 2-100-5

For extra support of ceiling columns longer than 2 m.

For support with wire to deck or by fastening to ceiling rail system.

The support bracket is made of steel with a white polyester powder-coating.

Other colours available on request.

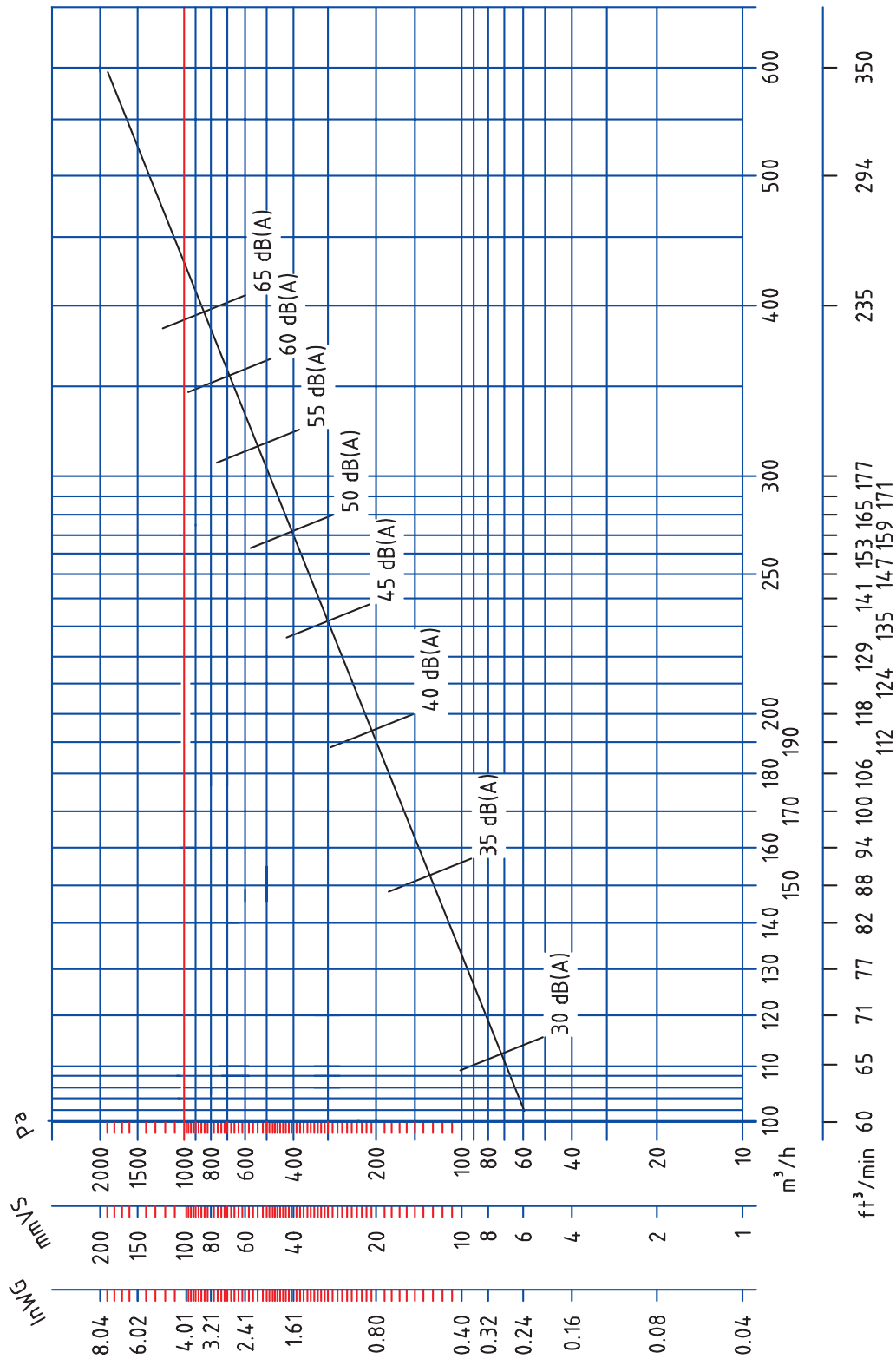


# Technical Description



## Pressure Drop Chart

Tested by Danish Technological Institute



SYSTEM 25

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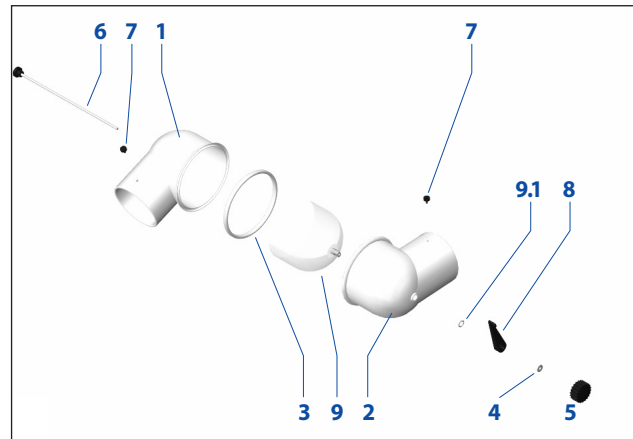
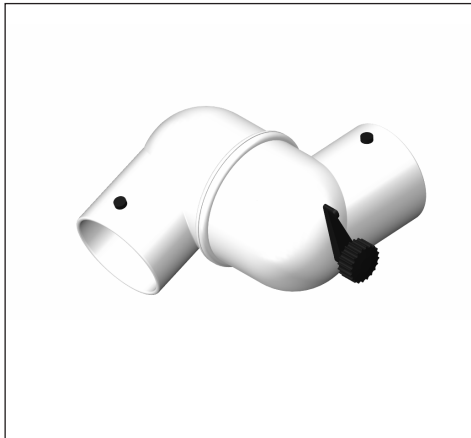
SYSTEM 100 AL



# Spare Parts List

## Joint with Damper

### Joint with Damper

**4-100-5**


Pos.	Product No.
------	-------------

**A**

4-100-5

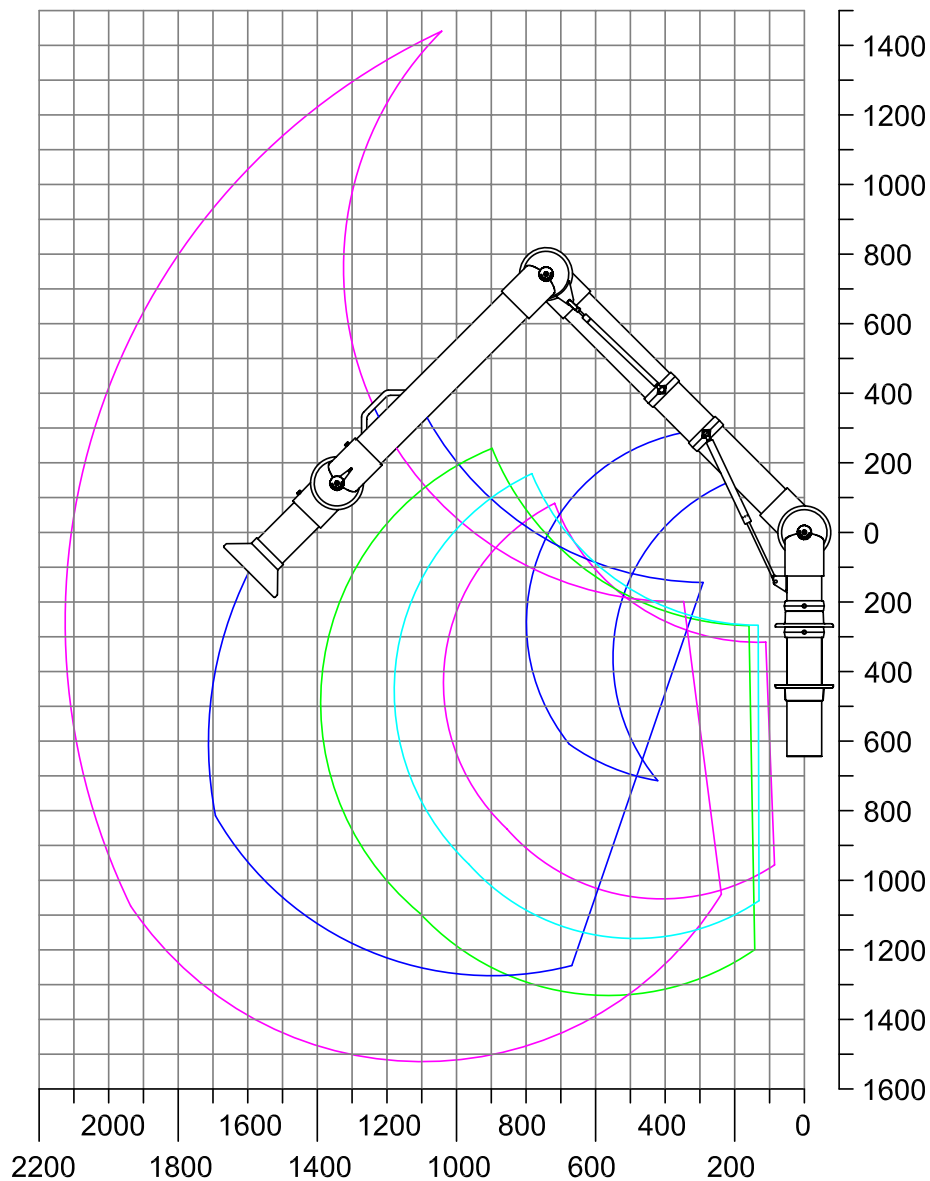
Pos.	Part No.	Description	<b>A</b> [Pieces applied]
1	4-100-8-5	Joint A	1
2	4-10012-5	Joint 100	1
3	5-133-10-5	O-ring	1
4	800-7-5,2-18	Washer	1
5	5-100-5	Thumbscrew, 5 mm	1
6	5-100-282	Threaded Stay	1
7	5-75-4	Thumbscrew, 4 mm	2
8	5-100-73	Wing for Damper	1
9	800-4-100	Damper:	1
9.1	5-12-411	Seegerring	1



# Working Area

## Table mounted with Hood Ø200 mm

A cleaner working environment



A: Model 100-55-1-5	R: 795 mm
B: Model 100-4540-1-5	R: 1040 mm
C: Model 100-5545-1-5	R: 1185 mm
D: Model 100-6555-1-5	R: 1370 mm
E: Model 100-9065-1-5	R: 1710 mm
F: Model 100-10585-1-5	R: 2130 mm

Accessory: Hood Ø 200 mm No. 1-10024-5

The working area of the arm is defined from the center of the opening of the accessory.

The working area changes according to type of accessory and positioning.

When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)

# Mounting Options



## Table Mounting with U-profile – above table

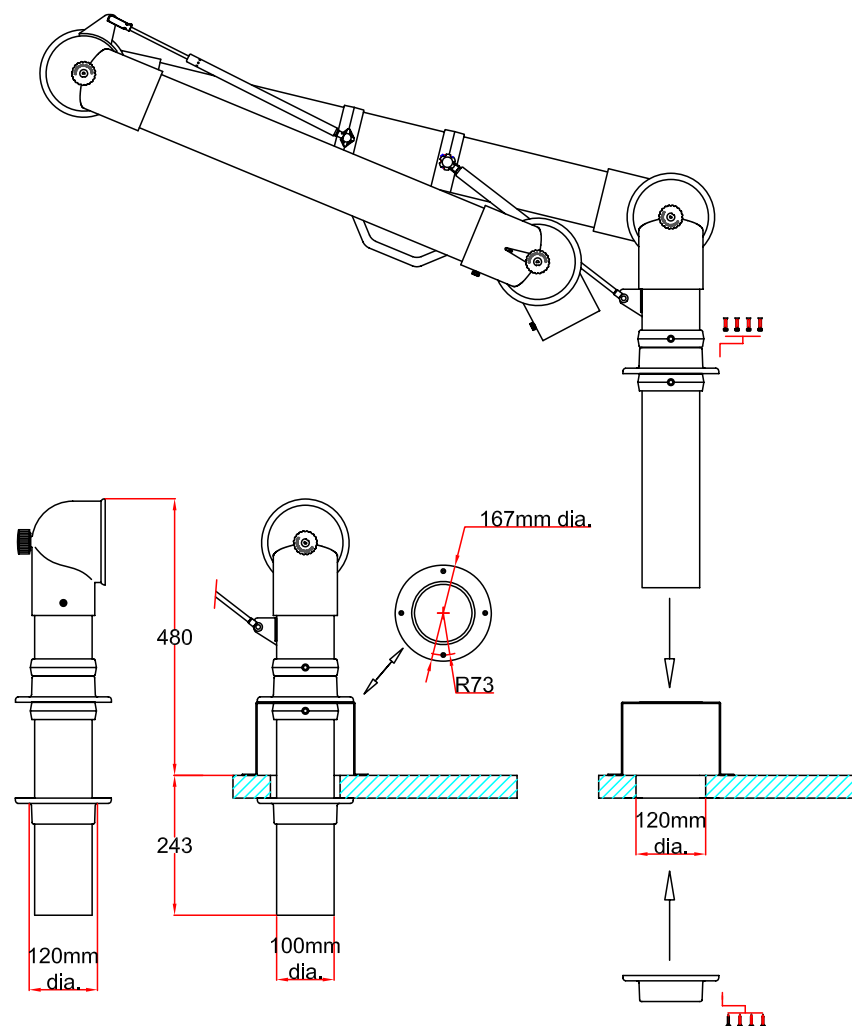
### Placed above table

System 100 extraction arm mounted on a table with U-profile placed above table.

### Accessory:

U-Profile, Part No.: 30-100-5-5

## Dimensions



(all measurements in mm)



# Mounting Options



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## Mounting with U-Profile – under table

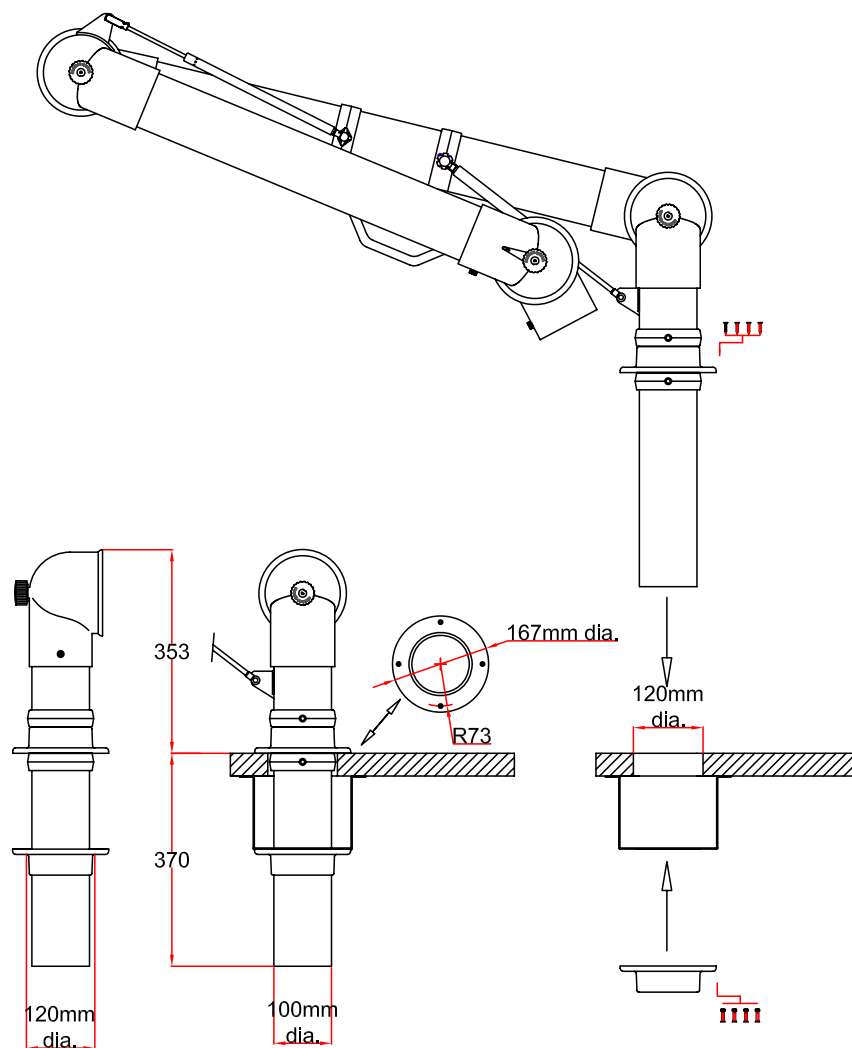
### Placed under the table

System 100 extraction arm mounted on a table with U-profile placed under the table.

### Accessory:

U-Profile, Part No.: 30-100-5

## Dimensions



(all measurements in mm)

# Mounting Options



## Table Mounting with Wall Bracket

### Table mounted with Wall Bracket

System 100 extraction arm mounted standing in a Wall Bracket.

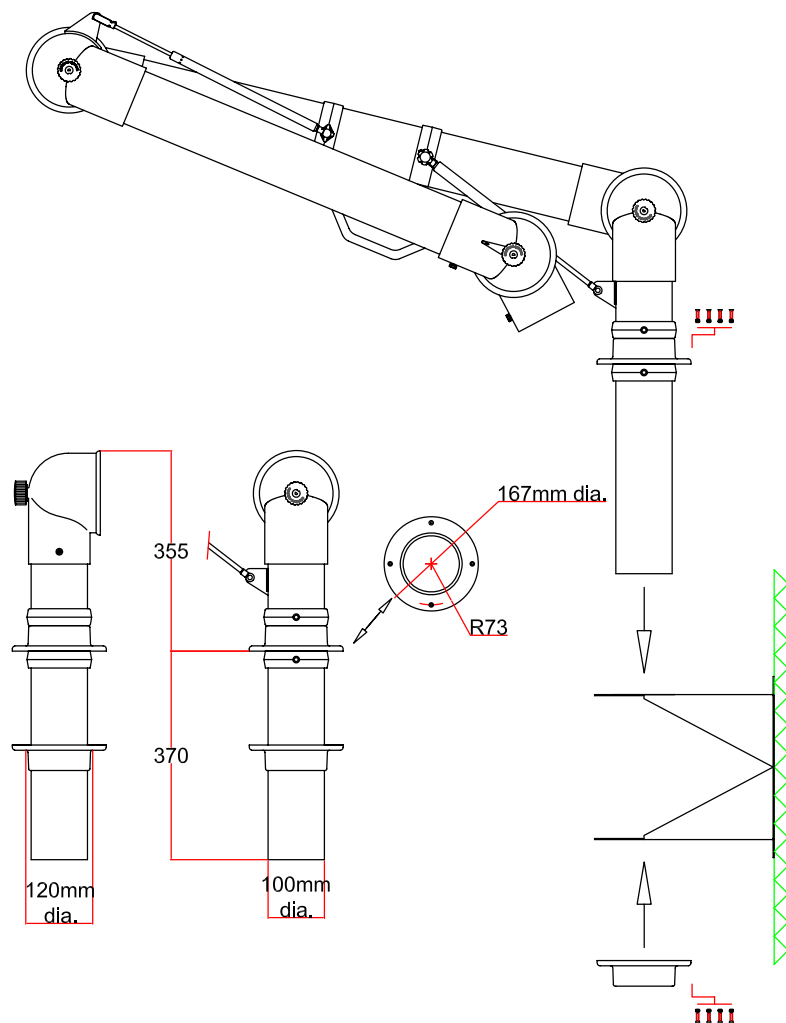
#### Accessory:

Wall Bracket, Part No.: 2-10035 /-22

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

*Note: Invoiced as two half pieces.*

## Dimensions



(all measurements in mm)

# U-Profile

## Technical Description



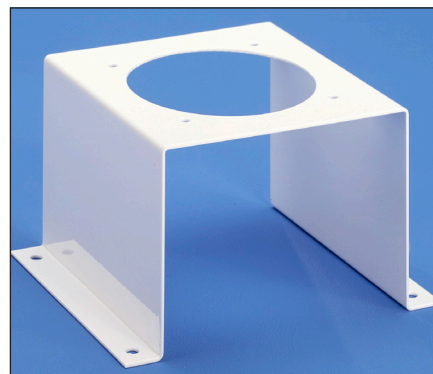
### Part No.: 30-100-5

Used for reinforcement of the socket pipe when table mounting a System 100 extraction arm in table plate.

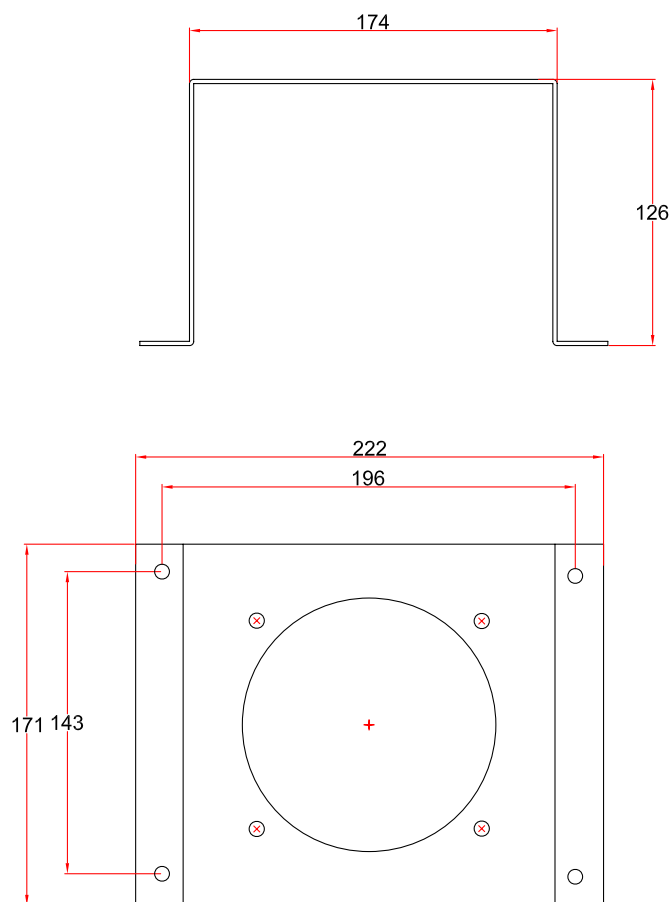
The U-profile can be placed both above or under table plate.

Made of steel with a white powder coated surface and an extra flange.

Other colours for the U-profile available on request.



## Dimensions



(all measurements in mm)



# Wall Bracket

## Technical Description

### Part No.: 2-10035 /-22

Used for System 100 Wall or Table mounted extraction arms.

The wall bracket is made of steel with a white powder coated surface or stainless steel (AISI 316L).

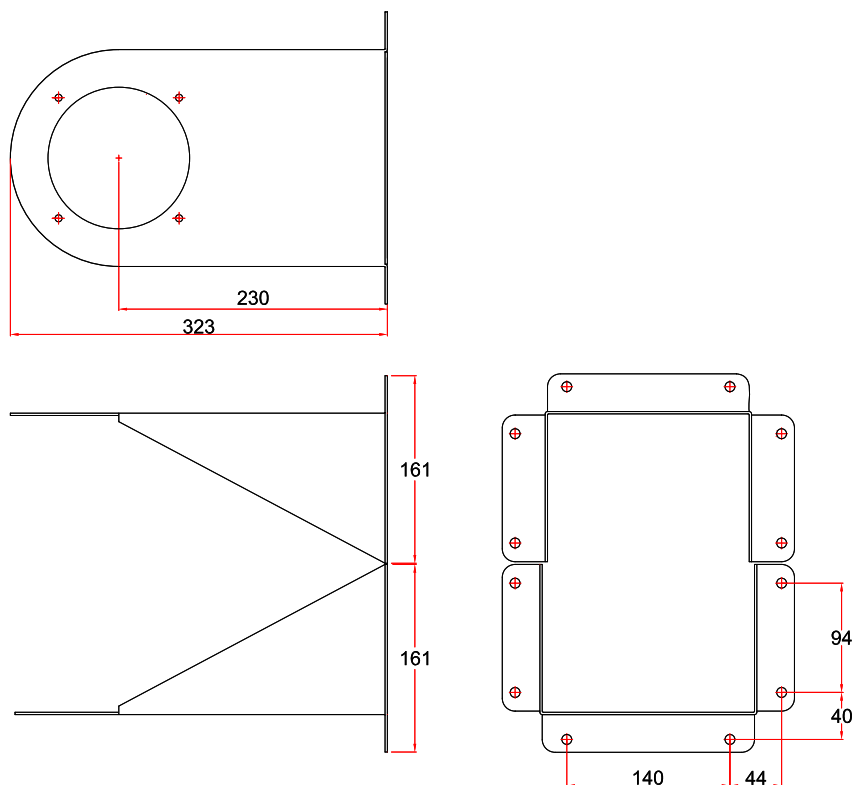
Other colours available on request.

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

*Note: Invoiced as two half pieces.*



## Dimensions



(all measurements in mm)

# Spare Parts



SYSTEM 25

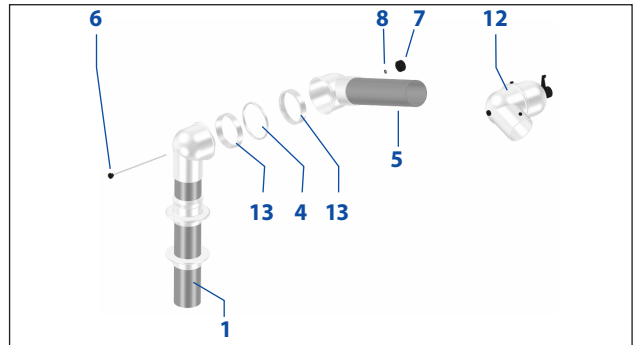
SYSTEM 50

SYSTEM 63

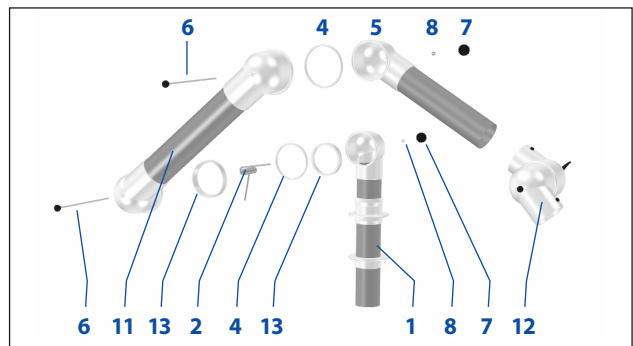
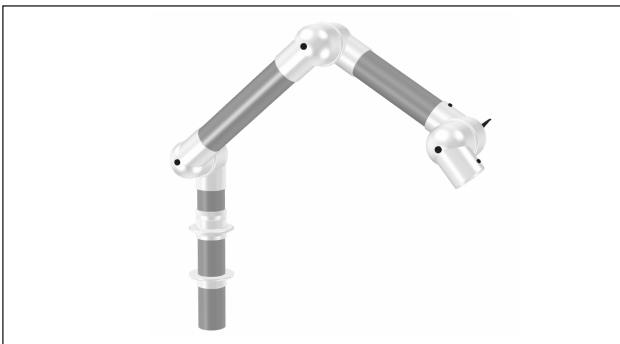
SYSTEM 75

SYSTEM 100 AL

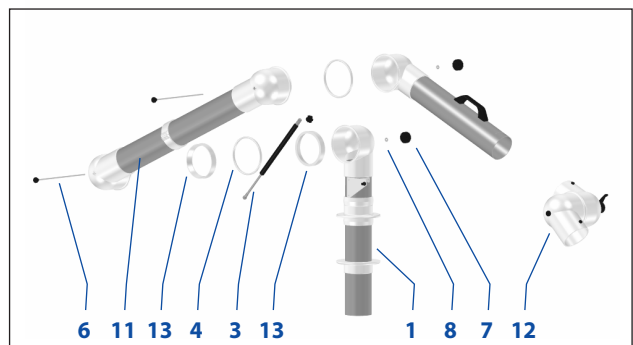
## (A) 100-55-1-5



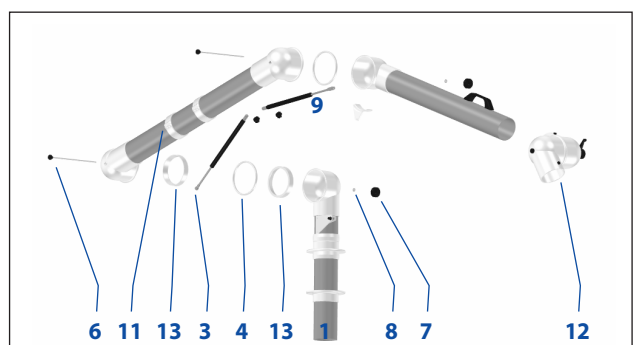
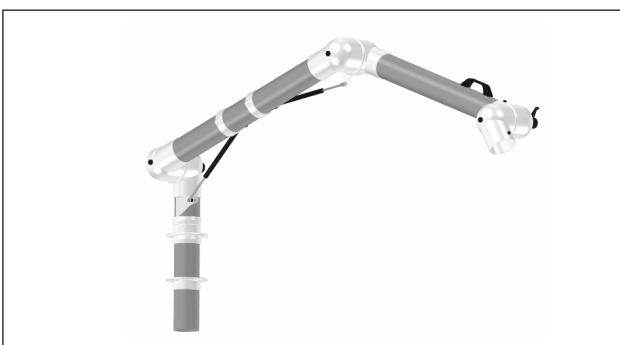
## (B) 100-4540-1-5 (C) 100-5545-1-5 (D) 100-6555-1-5



## (E) 100-9065-1-5



## (F) 100-10585-1-5



For Spare Parts List – see next page.



# Spare Parts List

Pos.	Product No.	Joint
<b>A</b>	100-55-1-5	2-Joint
<b>B</b>	100-4540-1-5	3-Joint
<b>C</b>	100-5545-1-5	3-Joint
<b>D</b>	100-6555-1-5	3-Joint
<b>E</b>	100-9065-1-5	3-Joint
<b>F</b>	100-10585-1-5	3-Joint

Pos.	Part No.	Description	<b>A</b> [pieces applied]	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
1	3-10058-0-1-5	C-pipe 580, short	1	1	1	1		
1	3-10058-1-5	C-pipe 580, long					1	1
2	5-75-3-5-01	Spring 5 mm		1	1			
2	5-75-3-6-01	Spring 6 mm				1		
3	800-100-180-1-050	Gas spring 180 N (push)					1	
3	800-100-250-1-5	Gas spring 250 N (push)						1
4	5-133-10-5	O-ring	1	2	2	2	2	2
5	3-10040-9-5	B-pipe 400		1				
5	3-10045-9-5	B-pipe 450			1			
5	3-10055-9-5	B-pipe 550	1			1		
5	3-10065-9-5	B-pipe 650					1	
5	3-10085-9-5	B-pipe 850						1
5a	4-100-01-5	Angle brace for joint B						1
6	5-100-268	Threaded Stay	1	2	2	2	2	2
7	5-100-5	Thumbscrew	1	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	1	2	2	2	2	2
9	800-100-100-1-5	Gas spring 100N (push)						1
10	5-75-5	Thumbscrew, 5 mm					1	2
11	3-10045-8-5	A-pipe 450		1				
11	3-10055-8-5	A-pipe 550			1			
11	3-10065-8-5	A-pipe 650				1		
11	3-10090-8-5	A-pipe 900					1	
11	3-100105-8-5	A-pipe 1050						1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2

\*) Spare Parts List for Joint with Damper – see General Information

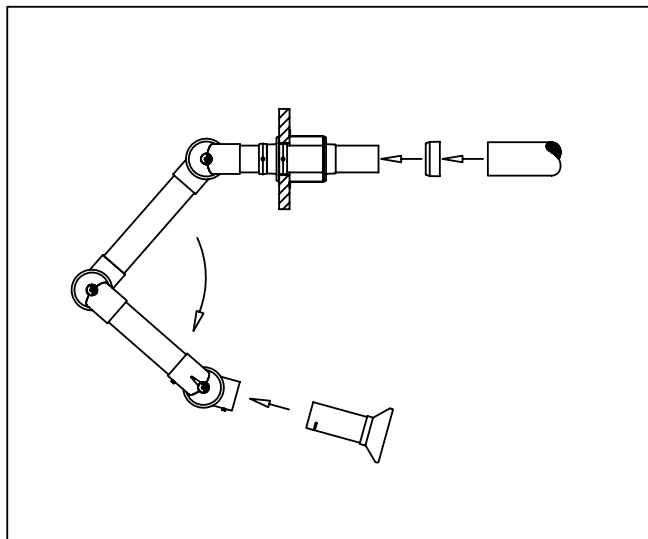
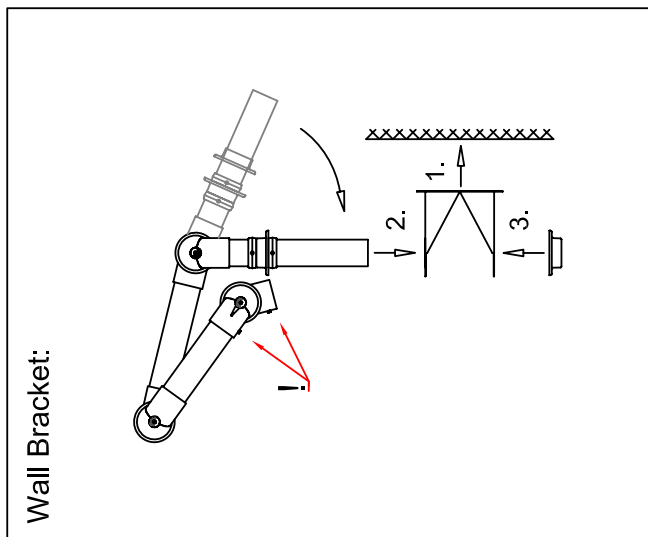
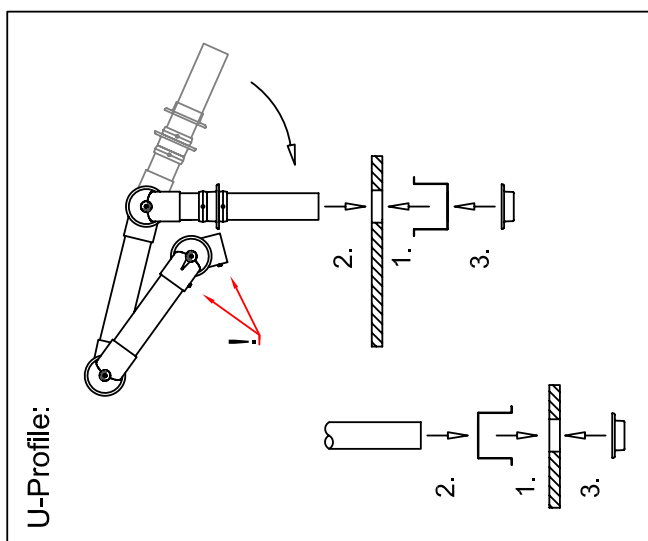
When ordering spare parts please quote:

Product No.	e.g.	100-55-1-5
Description	-	B-pipe 550
Part No.	-	3-10055-9-5
Quantity	-	1 pc.

If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.

# Mounting Instructions

## With internal spring



**Fig. 1:**

1. Make a hole with a diameter of 120 mm where the extraction arm is to be placed. The U-profile is mounted above or under the table (1).
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the U-profile and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the table and fasten it with the included screws (3).

Go to Fig. 3

**Fig. 2:**

1. Fasten the wall bracket on the wall in the desired height above the floor. Make sure the brackets are mounted solidly on the wall and close together.
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the bracket and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the bracket and fasten it with the included screws (3).

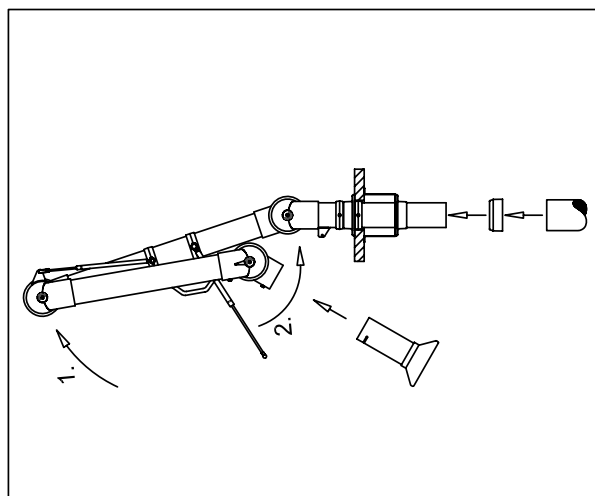
**Fig. 3:**

1. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
2. Unfold the extraction arm in the direction of the arrow.
3. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.



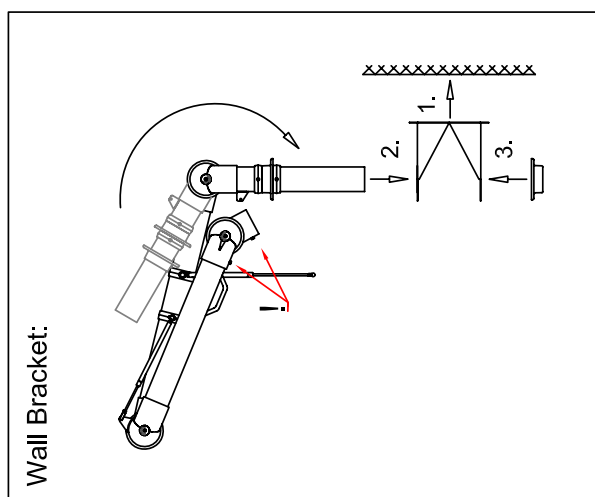
# Mounting Instructions

## With gas spring



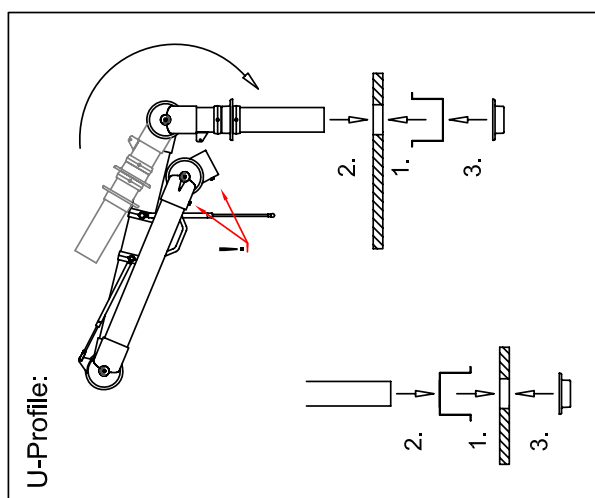
**Fig. 3:**

1. To mount the gas spring turn the extraction arm towards vertical position (1).
2. Turn the gas spring to the fitting on the socket pipe. Fasten the gas spring to the fitting (2).
3. Connect the extraction arm to the main ventilation duct with the Alsident<sup>®</sup> reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
4. Unfold the extraction arm in the direction of the arrow.
5. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.



**Fig. 2:**

1. Fasten the wall bracket on the wall in the desired height above the floor. Make sure the brackets are mounted solidly on the wall and close together.
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the bracket and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the bracket and fasten it with the included screws (3).



**Fig. 1:**

1. Make a hole with a diameter of 120 mm where the extraction arm is to be placed. The U-profile is mounted above or under the table (1).
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the U-profile and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the table and fasten it with the included screws (3).

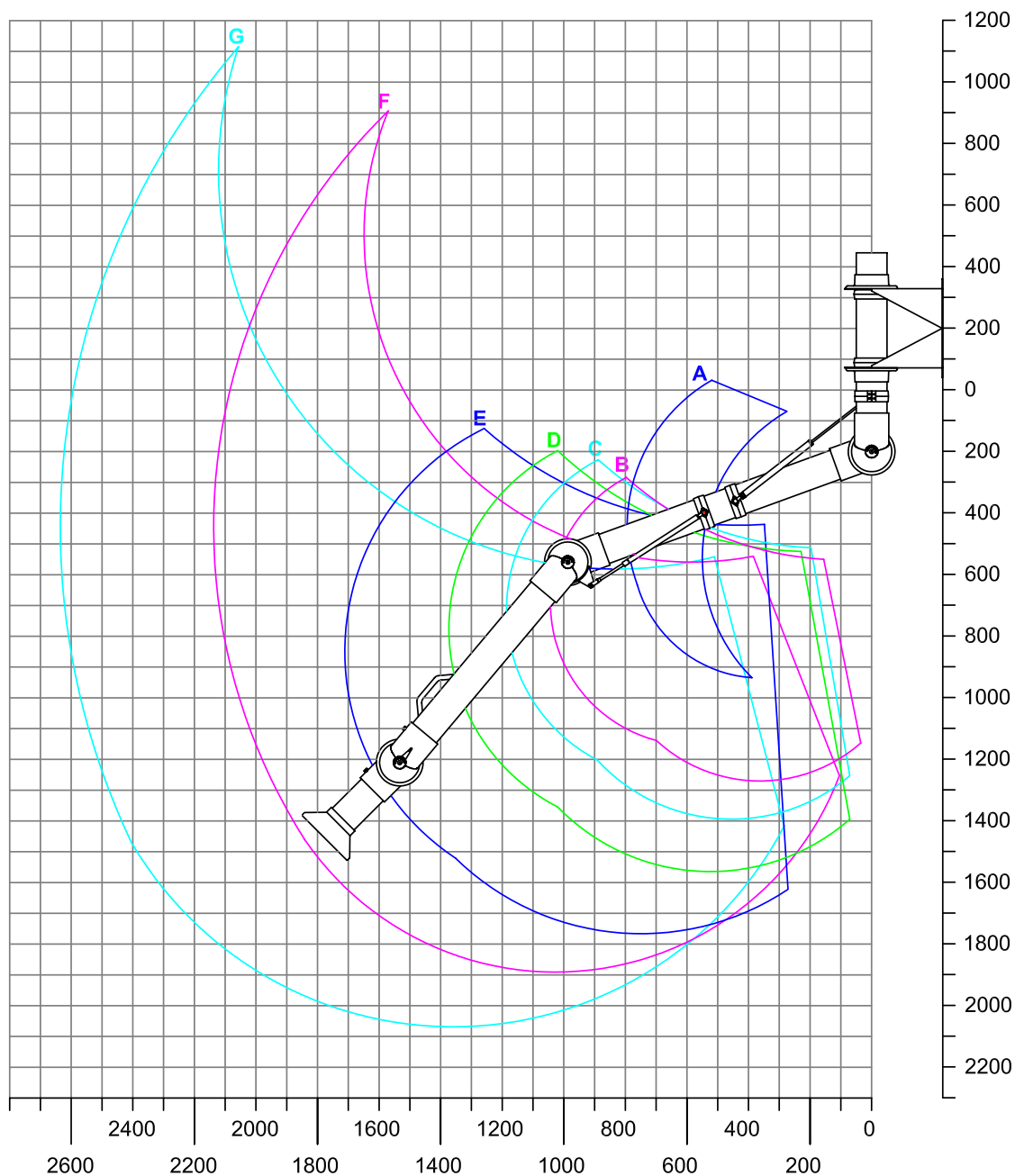
Go to Fig. 3





# Working Area

## Wall mounted with Hood Ø200 mm



A: Model 100-55-2-5	R: 795 mm
B: Model 100-4540-2-5	R: 1040 mm
C: Model 100-5545-2-5	R: 1185 mm
D: Model 100-6555-2-5	R: 1370 mm
E: Model 100-9065-2-5	R: 1710 mm
F: Model 100-10585-2-5	R: 2130 mm
G: Model 100-135105-2-5	R: 2630 mm

Accessory: Hood Ø200 mm No. 1-10024-5

The working area of the arm is defined from the center of the opening of the accessory.

The working area changes according to type of accessory and positioning.

When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)

# Mounting Options



## Wall Mounting

### Wall mounting

System 100 wall mounted extraction arm in wall bracket.

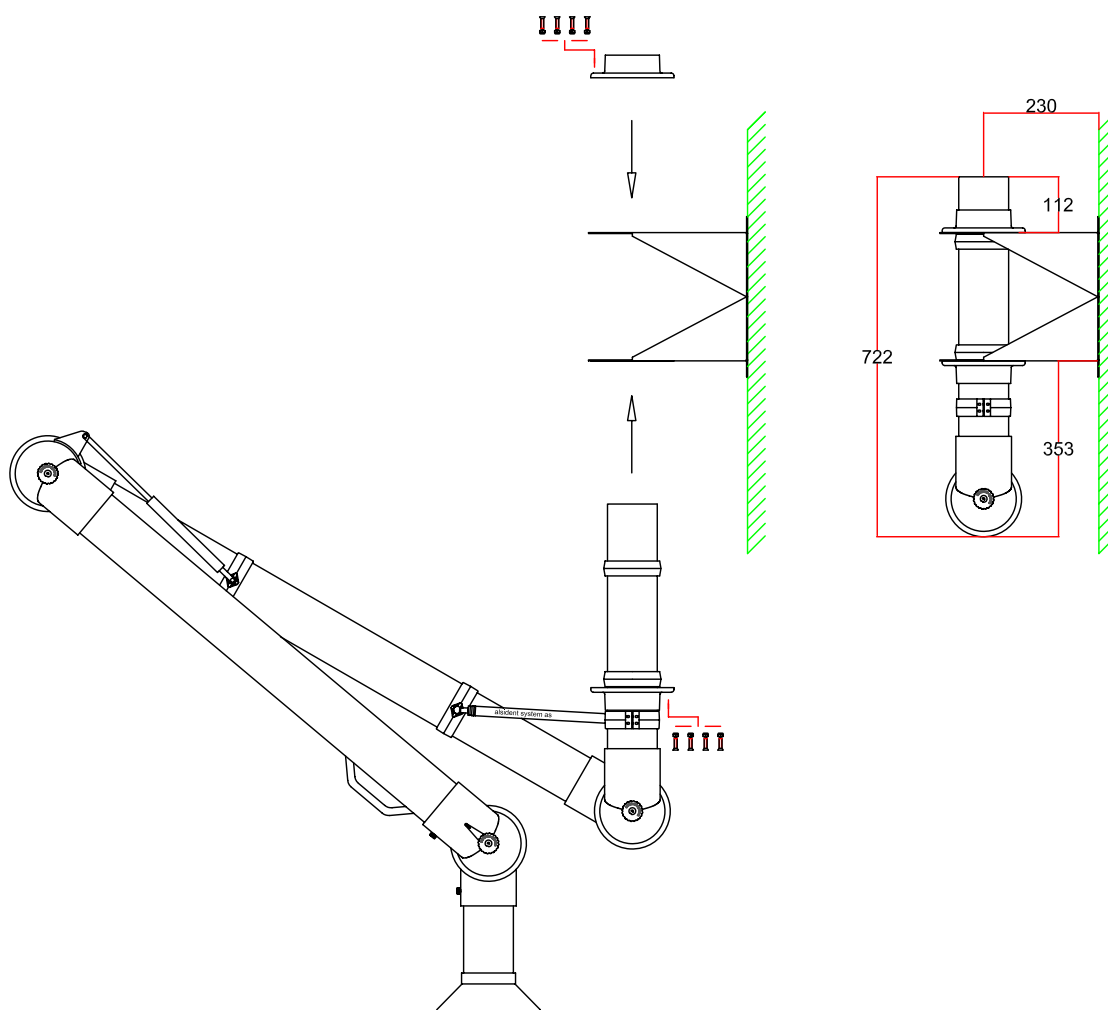
### Accessory:

Wall Bracket, Part No.: 2-10035 /-22

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

*Note: Invoiced as two half pieces.*

## Dimensions



(all measurements in mm)



# Wall Bracket

## Technical Description

### Part No.: 2-10035 /-22

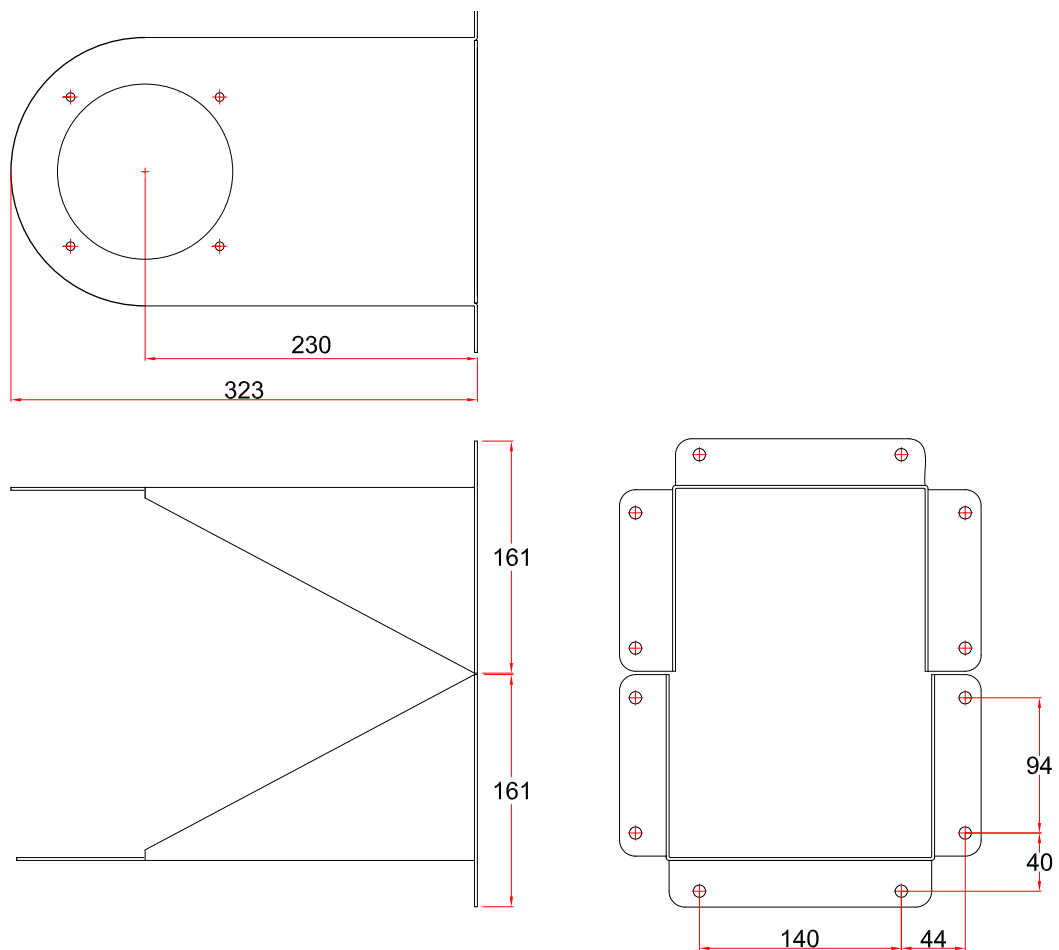
Used for System 100 wall or table mounted extraction arms.

The wall bracket is made of steel with a white powder coated surface or stainless steel (AISI 316L).

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22



## Dimensions

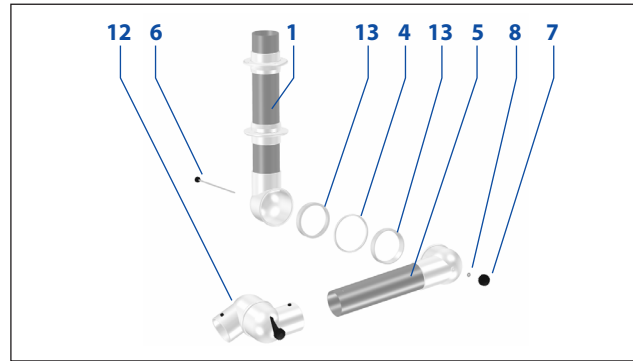
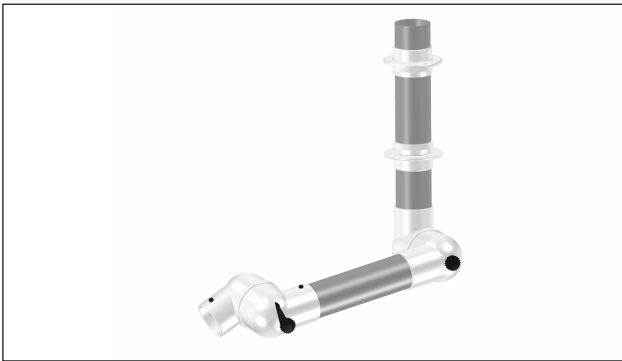


(all measurements in mm)

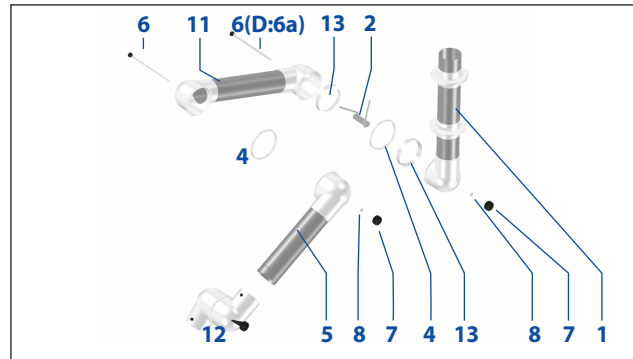
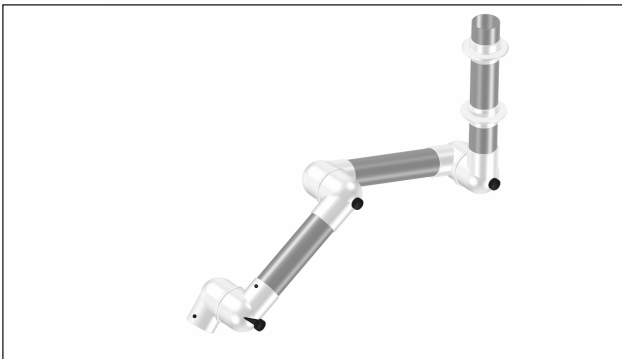
# Spare Parts



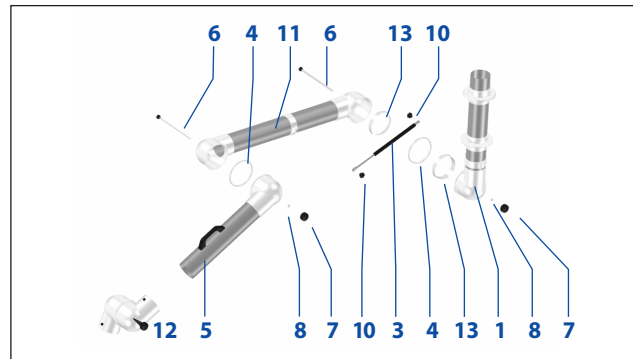
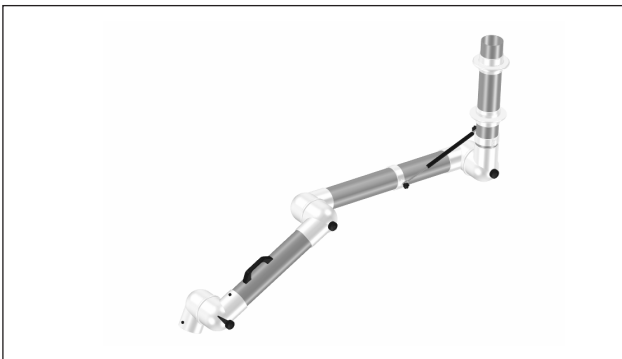
## (A) 100-55-2-5



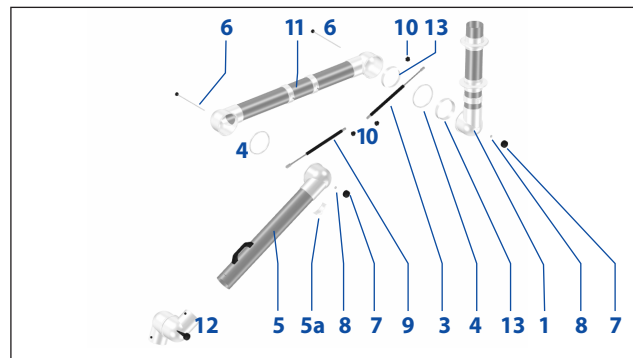
## (B) 100-4540-2-5 (C) 100-5545-2-5 (D) 100-6555-2-5



## (E) 100-9065-2-5



## (F) 100-10585-2-5 (G) 100-135105-2-5



For Spare Parts List – see next page.

# Spare Parts List



SYSTEM 25

SYSTEM 50

SYSTEM 63

SYSTEM 75

SYSTEM 100 AL

Pos.	Product No.	Joint
<b>A</b>	100-55-2-5	2-Joint
<b>B</b>	100-4540-2-5	3-Joint
<b>C</b>	100-5545-2-5	3-Joint
<b>D</b>	100-6555-2-5	3-Joint
<b>E</b>	100-9065-2-5	3-Joint
<b>F</b>	100-10585-2-5	3-Joint
<b>G</b>	100-135105-2-5	3-Joint

Pos.	Part No.	Description	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
			[Pieces applied]						
1	3-10058-0-2-5	C-pipe 580, short	1	1	1	1			
1	3-10058-2-5	C-pipe 580, long					1	1	1
2	5-75-3-5-00	Spring 5 mm		1	1				
2	5-75-3-6,5-00	Spring 6,5 mm				1			
3	800-100-200-2-050	Gas spring 200N (Pull)					1		
3	800-100-230-2-050	Gas spring 230N (Pull)						1	
3	800-100-260-2-050	Gas spring 260N (Pull)							1
4	5-133-10-5	O-ring	1	2	2	2	2	2	2
5	3-10040-9-5	B-pipe 400		1					
5	3-10045-9-5	B-pipe 450			1				
5	3-10055-9-5	B-pipe 550	1			1			
5	3-10065-9-5	B-pipe 650					1		
5	3-10085-9-5	B-pipe 850						1	
5	3-100105-9-5	B-pipe 1050							1
5a	4-100-01-5	Angle brace for joint B						1	1
6	5-100-268	Threaded Stay	1	2	2	1	2	2	2
6a	5-100-8-268	Threaded Stay, 8 mm				1			
7	5-100-5	Thumbscrew	1	2	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	1	2	2	2	2	2	2
9	800-100-100-1-050	Gas spring 100N (push)						1	1
10	5-75-5	Thumbscrew, 5 mm					2	3	3
11	3-10045-8-5	A-pipe 450		1					
11	3-10055-8-5	A-pipe 550			1				
11	3-10065-8-5	A-pipe 650				1			
11	3-10090-8-5	A-pipe 900					1		
11	3-100105-8-5	A-pipe 1050						1	
11	3-100135-8-5	A-pipe 1350							1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2	2

\*) Spare Parts List for Joint with Damper – see General Information

When ordering spare parts please quote:

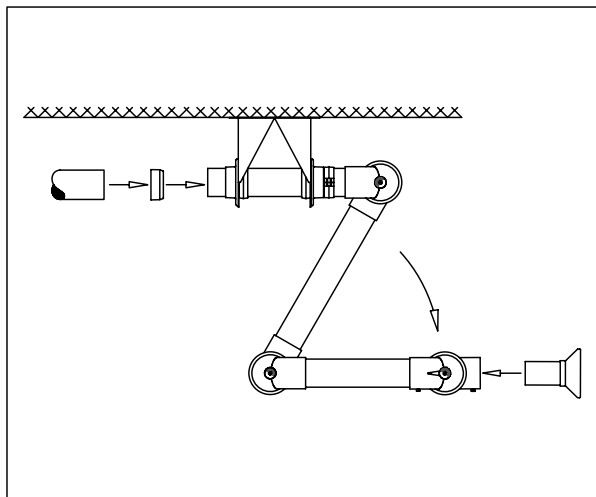
Product No.	e.g.	100-5545-2-5
Description	-	B-pipe 450
Part No.	-	3-10045-9-5
Quantity	-	1 pc.

If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.



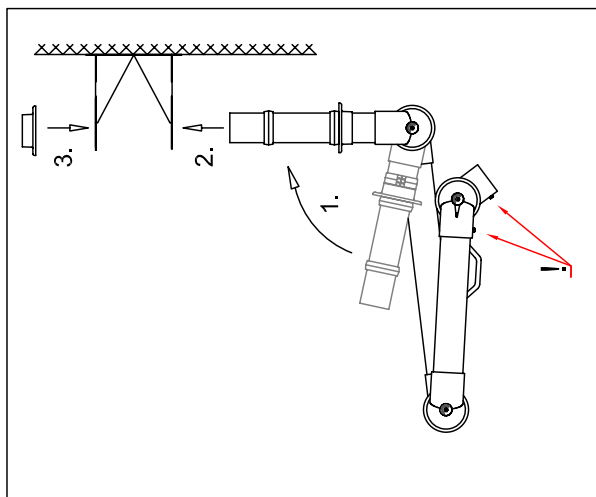
# Mounting Instructions

## With internal spring



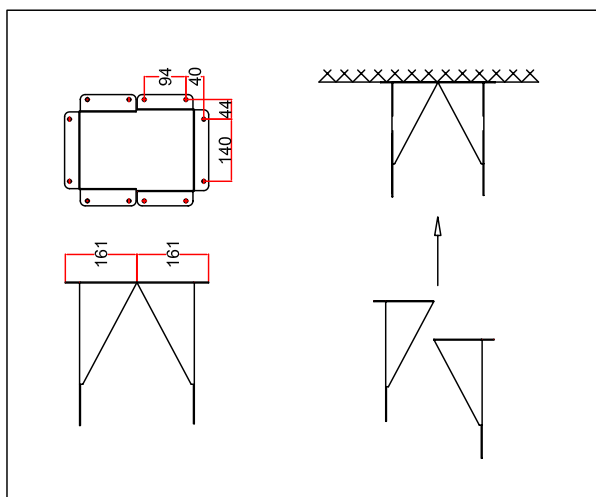
**Fig. 3:**

1. Unfold the extraction arm in the direction of the arrow.
2. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
3. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in place in the joint, the accessory in the fingerscrew will hold the damper in place in the joint.
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.



**Fig. 2:**

1. Considering the internal spring, it is important to turn the socket pipe in the direction of the arrow and that the fingerscrews (!) are faced forward.
2. Place the socket pipe in the bracket and fasten the flange to the bracket with the screws.
3. Place the upper flange on the socket pipe and fasten it to the bracket with the included screws.
4. The two flanges are not fastened to the socket pipe. Therefore the extraction arm can be turned 190° in the wall bracket.



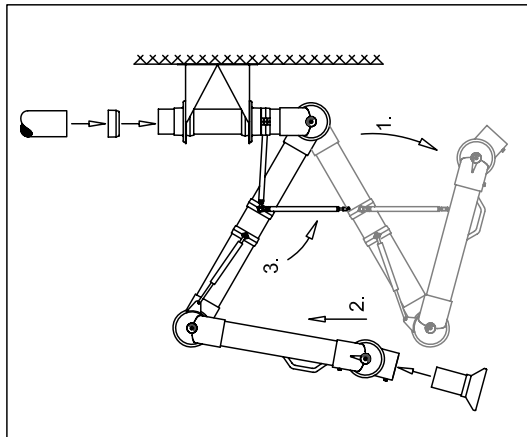
**Fig. 1:**

1. The wall bracket is in two parts. Mount the brackets solidly on the wall or column and close together. When mounting the wall bracket be aware of the considerable strain the operation of the arm will transmit to the wall bracket.



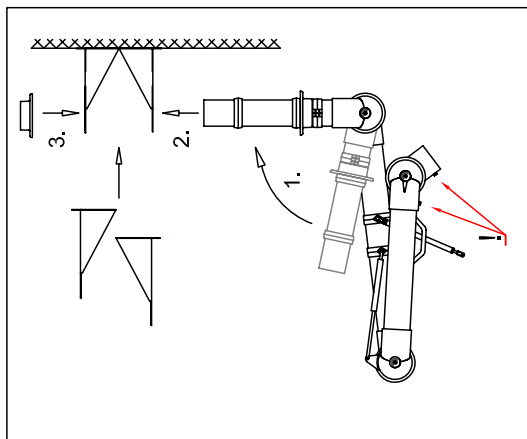
# Mounting Instructions

## With gas spring



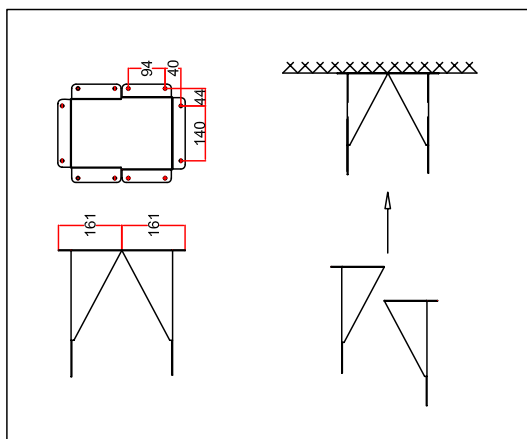
**Fig. 3:**

1. Unfold the extraction arm in the direction of the arrow (1).
2. Push the extraction arm towards vertical position. This enables the gas spring to be mounted (2).
3. Turn the up towards the fitting on the socket pipe and fasten it with the fingerscrews (3).
4. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
5. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.



**Fig. 2:**

1. When unfolding the extraction arm, make sure the socket pipe is turned in the direction of the arrow and that the fingerscrews (!) are faced forward (1).
2. Place the socket pipe in the bracket and fasten the flange to the bracket with the screws (2).
3. Place the upper flange on the socket pipe and fasten it to the bracket with the included screws.
4. The two flanges are not fastened to the socket pipe. Therefore the extraction arm can be turned 190° in the wall bracket.



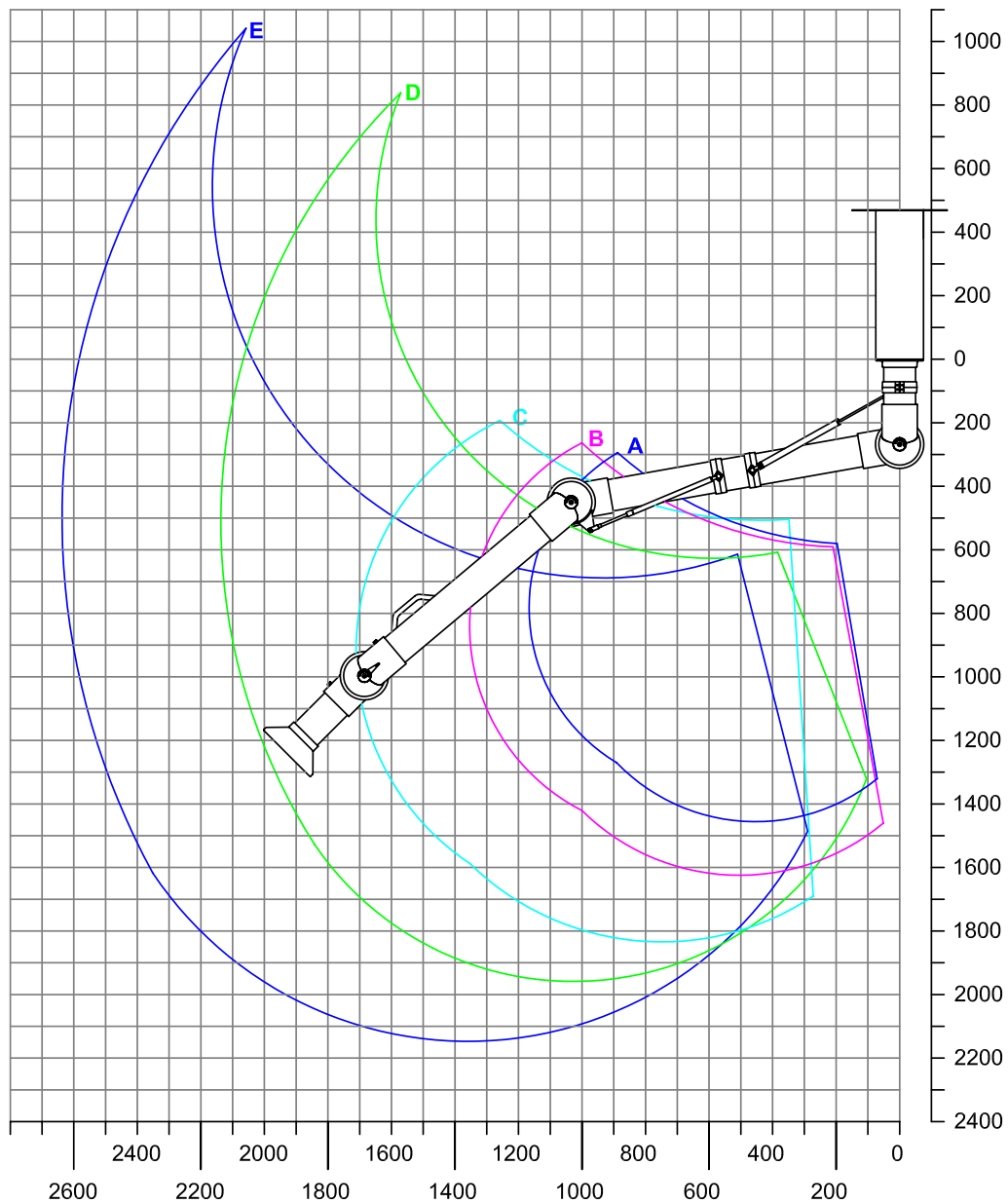
**Fig. 1:**

1. The wall bracket is in two parts. Mount the brackets solidly on the wall or column and close together. When mounting the wall bracket be aware of the considerable strain the operation of the arm will transmit to the wall bracket.



# Working Area

## Ceiling mounted with Hood Ø200 mm



A: Model 100-5545-3-5	R: 1185 mm
B: Model 100-6555-3-5	R: 1370 mm
C: Model 100-9065-3-5	R: 1710 mm
D: Model 100-10585-3-5	R: 2130 mm
E: Model 100-135105-3-5	R: 2630 mm

Accessory: Hood Ø200 mm No. 1-10024-5

The working area of the arm is defined from the center of the opening of the accessory.

The working area changes according to type of accessory and positioning.

When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)



# Mounting Options



SYSTEM 25

SYSTEM 50

SYSTEM 63

SYSTEM 75

SYSTEM 100 AL

## Ceiling Mounting

### Ceiling Mounting

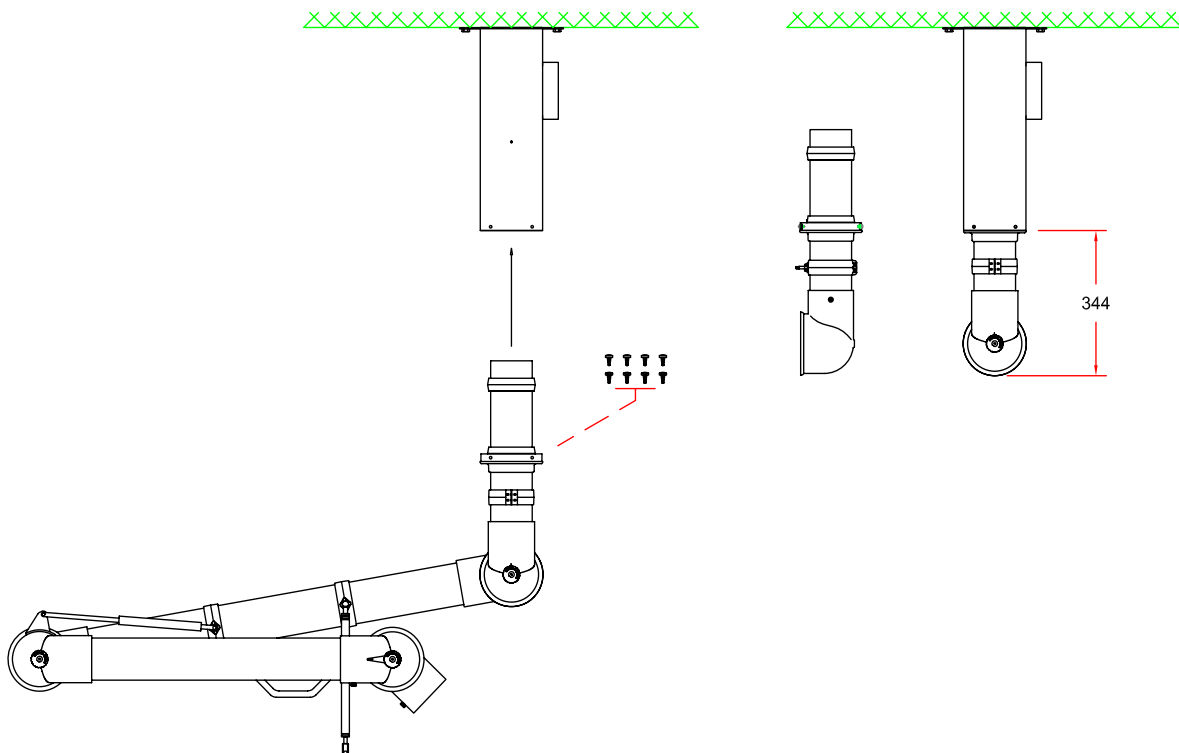
System 100 Extraction arm mounted in ceiling column with side connection.

### Accessory

Ceiling column.

Part no. depending on length.

## Dimensions



(all measurements in mm)



# Ceiling Column

## Technical Description

### Ceiling Columns

Used for mounting the System 100 ceiling mounted extraction arms.

The ceiling column is made of white polyester powder coated steel.

Available in three standard lengths with side connection to duct.

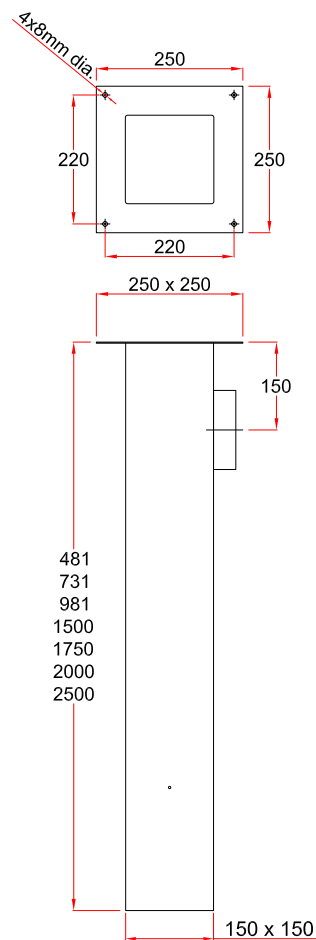
Other lengths, colours and acid-proof stainless steel (AISI 316L) available on request. Top connection also available on request.

Connection diameter: 125 mm



Length [mm]	Weight app. [kg]	White
500	4.0	2-100-500
750	5.5	2-100-750
1000	6.5	2-100-1000
1500	9.0	2-100-1500
1750	10.5	2-100-1750
2000	11.5	2-100-2000
2500	13.0	2-100-2500

### Dimensions



(all measurements in mm)

# Spare Parts



SYSTEM 25

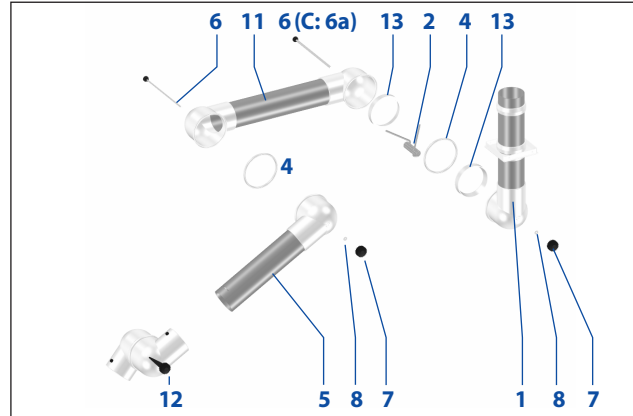
SYSTEM 50

SYSTEM 63

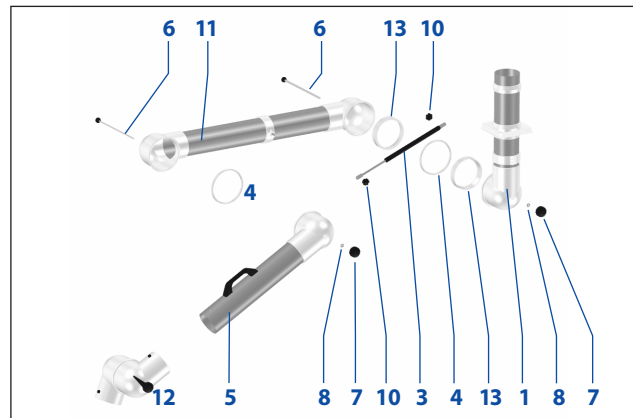
SYSTEM 75

SYSTEM 100 AL

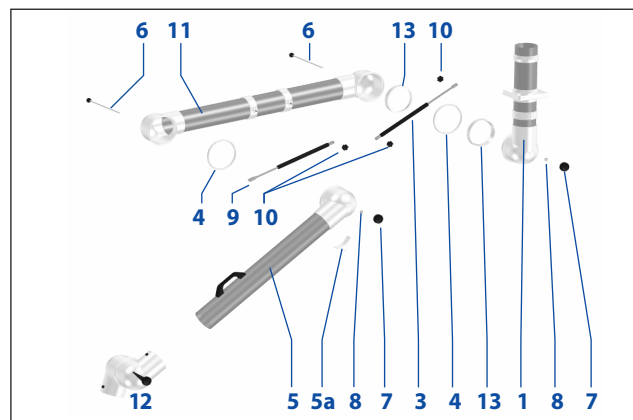
## (A) 100-4540-3-5 (B) 100-5545-3-5 (C) 100-6555-3-5



## (D) 100-9065-3-5



## (E) 100-10585-3-5 (F) 100-135105-3-5



For Spare Parts List – see next page.

# Spare Parts List



Pos.	Product No.	Joint
<b>A</b>	100-4540-3-5	3-Joint
<b>B</b>	100-5545-3-5	3-Joint
<b>C</b>	100-6555-3-5	3-Joint
<b>D</b>	100-9065-3-5	3-Joint
<b>E</b>	100-10585-3-5	3-Joint
<b>F</b>	100-135105-3-5	3-Joint

Pos.	Part No.	Description	<b>A</b> [pieces applied]	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
1	3-10044-0-3-5	C-pipe 440, short	1	1	1			
1	3-10044-3-5	C-pipe 440, long				1	1	1
2	5-75-3-5-00	Spring 5 mm	1	1				
2	5-75-3-6,5-00	Spring 6,5 mm			1			
3	800-100-200-2-050	Gas spring 200 N (pull)				1		
3	800-100-200-2-050	Gas spring 230 N (pull)					1	
3	800-100-260-2-050	Gas spring 260 N (pull)						1
4	5-133-10-5	O-ring	2	2	2	2	2	2
5	3-10040-9-5	B-pipe 400	1					
5	3-10045-9-5	B-pipe 450		1				
5	3-10055-9-5	B-pipe 550	1		1			
5	3-10065-9-5	B-pipe 650				1		
5	3-10085-9-5	B-pipe 850					1	
5	3-100105-9-5	B-pipe 1050						1
5a	4-100-01-5	Angle brace for joint B					1	1
6	5-100-268	Threaded Stay	2	2	1	2	2	2
6a	5-100-8-268	Threaded Stay, 8 mm			1			
7	5-100-5	Thumbscrew	2	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	2	2	2	2	2	2
9	800-100-100-1-050	Gas spring 100N (push)					1	1
10	5-75-5	Thumbscrew, 5 mm				2	3	3
11	3-10045-8-5	A-pipe 450	1					
11	3-10055-8-5	A-pipe 550		1				
11	3-10065-8-5	A-pipe 650			1			
11	3-10090-8-5	A-pipe 900				1		
11	3-10105-8-5	A-pipe 1050					1	
11	3-10135-8-5	A-pipe 1350						1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2

\*) Spare Parts List for Joint with Damper – see General Information

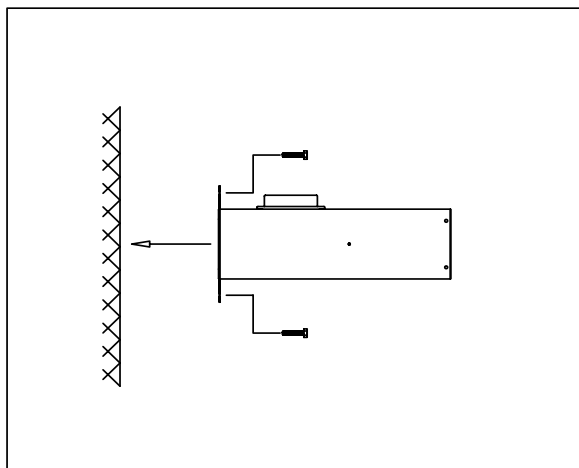
When ordering spare parts please quote:

Product No.	e.g.	100-6555-3-5
Description	-	A-pipe 650
Part No.	-	3-10065-8-5
Quantity	-	1 pc.

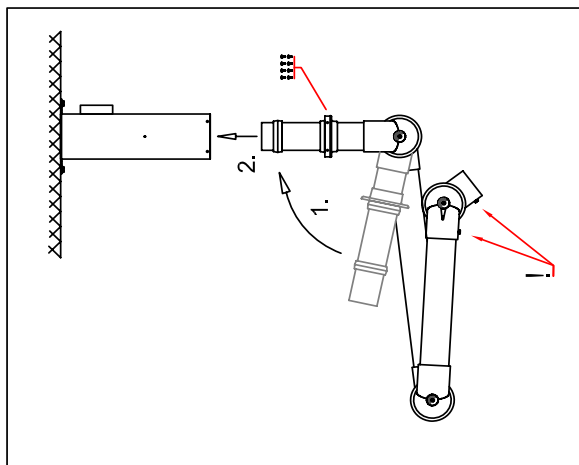
If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.

# Mounting Instructions

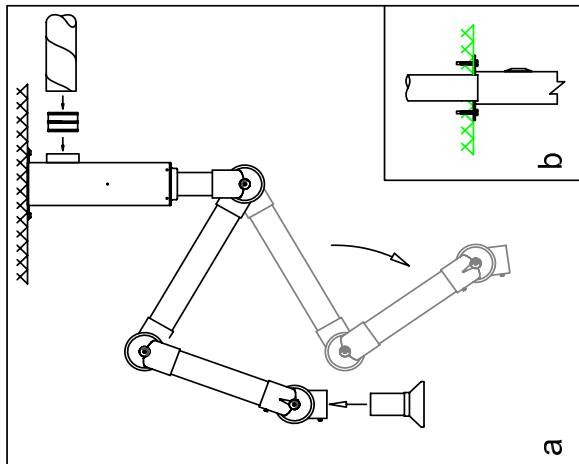
## With internal spring


**Fig. 1:**

1. The operation of the extraction arm will transmit a considerable strain to the column. The column must therefore be mounted on a solid ceiling.


**Fig. 2:**

1. Considering the internal spring, it is important to turn the socket pipe in the direction of the arrow and that the fingerscrews (!) are faced forward.
2. Place the socket pipe in the column. Turn the guide on the socket pipe until it falls into place in the column and fasten with the included screws.
3. The extraction arm can now be turned 360° in the column.

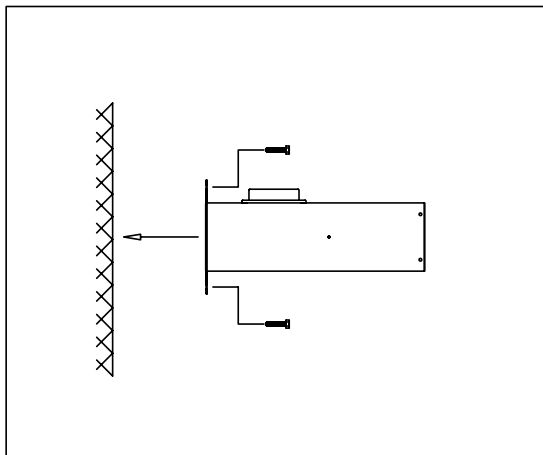

**Fig. 3:**

1. For side connection (fig. 3a) the main ventilation duct (100 mm dia.) can be connected to the outlet on the side of the column with a nipple - or directly to the outlet.  
For top connection the main ventilation duct is put through the ceiling and directly into the column. Make sure to seal the gap between the ceiling and duct with a filler.
2. Unfold the extraction arm in the direction of the arrow.
3. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.



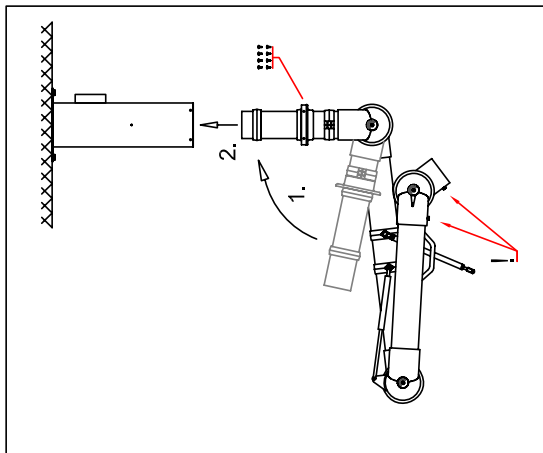
# Mounting Instructions

## With gas spring



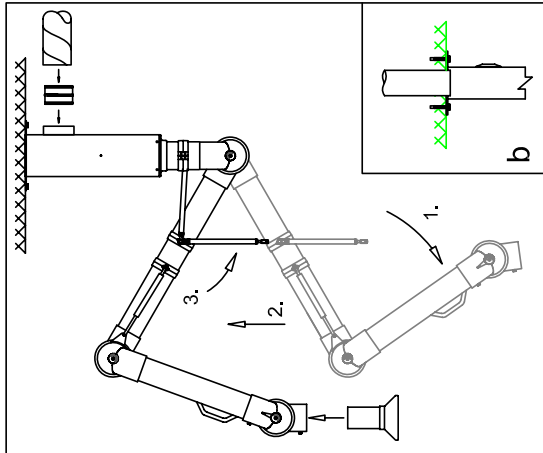
**Fig. 1:**

1. The operation of the extraction arm will transmit a considerable strain to the column.  
The extension/column must therefore be mounted on a solid ceiling.



**Fig. 2:**

1. When unfolding the extraction arm, make sure the socket pipe is turned in the direction of the arrow and that the fingerscrews (1) are faced forward (1).
2. Place the socket pipe in the column. Turn the guide on the socket pipe until it falls into place in the column and fasten with the included screws (2).
3. The extraction arm can now be turned 360° in the column.



**Fig. 3:**

1. For side connection (fig. 3a) the main ventilation duct (100 mm dia.) can be connected to the outlet on the side of the column with a nipple - or directly to the outlet.  
For top connection (fig. 3b) the main ventilation duct is put through the ceiling and directly into the column. Make sure to seal the gap between the ceiling and duct with a filler.
2. Unfold the extraction arm in the direction of the arrow (1).
3. Push the extraction arm towards vertical position. This enables the gas spring to be mounted (2).
4. Turn the gas spring up towards the fitting on the socket pipe and fasten it with the fingerscrews (3).
5. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.