

## Extraction Arms

# ESA arm – new improved design

The ESA arm is designed with an external support arm for easy positioning and low pressure drop.

The ESA arm is made of extruded 6060 aluminium profile with injection-moulded plastic joints and gas springs in both joints for easy operation.

The hood is designed for optimal air velocity and made of aluminum for long durability.

The ESA arm is available in 2 versions. A version with hose and a version with pipes (only  $\varnothing 160$  mm). The ducts can be delivered painted at an extra charge.

The ESA arm is available in  $\varnothing 160$  mm or  $\varnothing 200$  mm, in lengths from 2 to 5 meters. 4 and 5 metre arms come with an extension arm for wall mounting. Using our range of standard extension arms the ESA arm is available in up to 8 meters length.

NB: Extension arms limit the use of the arm under the extension arm.



ESA arm 3 meter  $\varnothing 160$  mm pipe.

### Ordering table

Art. No.	Description
01-650R	ESA arm 2,0 with $\varnothing 160$ mm aluminum pipe, complete arm incl. hose, wall bracket
01-651R	ESA arm 3,0 with $\varnothing 160$ mm aluminum pipe, complete arm incl. hose, wall bracket
01-652R	ESA arm 4,0 with $\varnothing 160$ mm aluminum pipe, complete arm incl. hose, wall bracket and extender
01-653R	ESA arm 5,0 with $\varnothing 160$ mm aluminum pipe, complete arm incl. hose, wall bracket and extender



ESA arm 3 meter  $\varnothing 160$  mm

### Ordering table

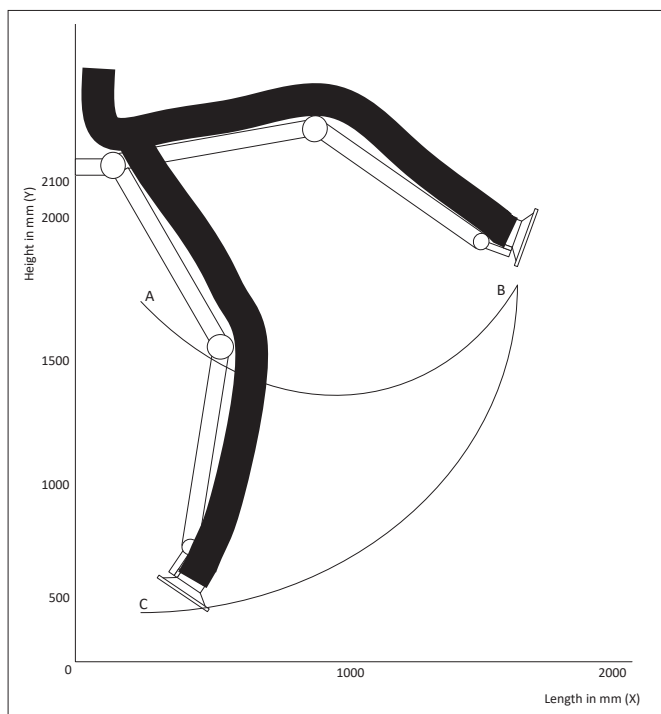
Art. No.	Description
01-650	ESA arm 2,0 m $\varnothing 160$ mm, complete arm incl. hose and wall bracket.
01-651	ESA arm 3,0 m $\varnothing 160$ mm, complete arm incl. hose and wall bracket.
01-652	ESA arm 4,0 m $\varnothing 160$ mm, complete arm incl. hose, wall bracket and extender.
01-653	ESA arm 5,0 m $\varnothing 160$ mm, complete arm incl. hose, wall bracket and extender.

01-660	ESA arm 2,0 m $\varnothing 200$ mm, complete arm incl. hose and wall bracket.
01-661	ESA arm 3,0 m $\varnothing 200$ mm, complete arm incl. hose and wall bracket.
01-662	ESA arm 4,0 m $\varnothing 200$ mm, complete arm incl. hose, wall bracket and extender.
01-663	ESA arm 5,0 m $\varnothing 200$ mm, complete arm incl. hose, wall bracket and extender.

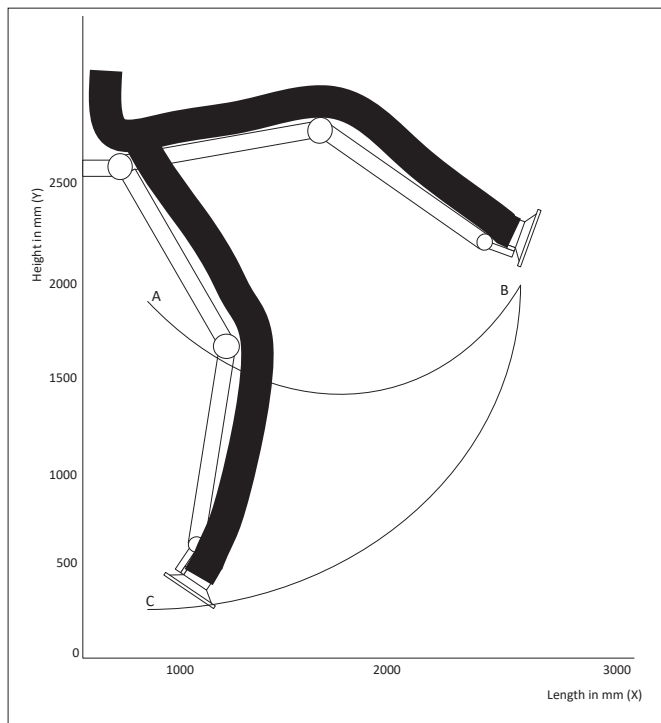
01-675	Joint for ESA arm 4,0 and 5,0 m. L: 200mm - $\varnothing 160$ og $\varnothing 200$ . Enables the arm to be in a parallel position
01-680	Universal bracket (floor/ceiling) L=400-1200 mm
01-680A	Universal bracket (floor/ceiling) L=1200-2500 mm
01-681	Ceiling bracket, swivel 360°
01-682	LED light with on/off for fan

12-008E	Tight damper - $\varnothing 160$ mm
12-009E	Tight damper- $\varnothing 200$ mm

### Working area - ESA arm 2 meter



### Working area - ESA arm 3, 4 and 5 meter

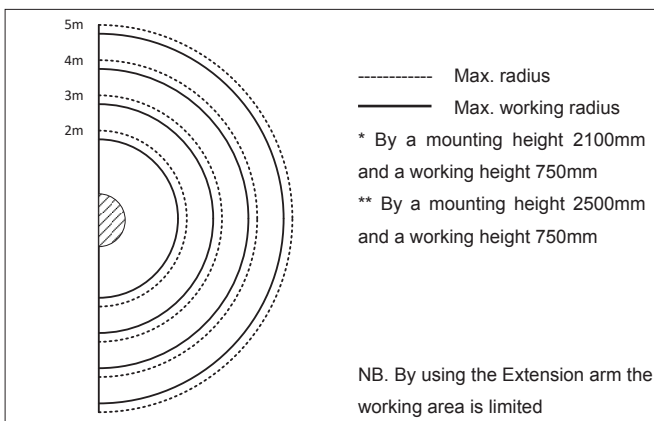


Arm lengths	A_X mm	A_Y mm	B_X mm	B_Y mm	C_X mm	C_Y mm
2 m ESA arm	500	1550	1600	1700	500	600
3 m ESA arm	500	1950	2700	2100	500	200
4 m ESA arm	500	1950	3700	2100	500	200
5 m ESA arm	500	1950	4700	2100	500	200

### Technical data

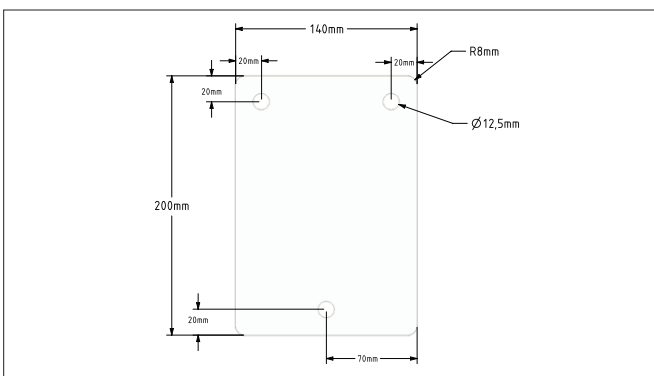


ESA arm	Inner support arm (mm)	Outer support arm (mm)	Extension arm (mm)	Max. working radius (mm)	Max. Radius (mm)
2 m	865	696		1600*	2000
3 m	1365	1200		2700**	3000
4 m	1365	1200	1000	3700**	4000
5 m	1365	1200	2000	4700**	5000



We recommend that the arm is installed in a height of 2500 mm. In this case the working range will be in the height of 700 to 1500 mm. (Normal height of a working table). If you want another working range, you must adjust the height of the installation.

### Dimensions



Wall bracket

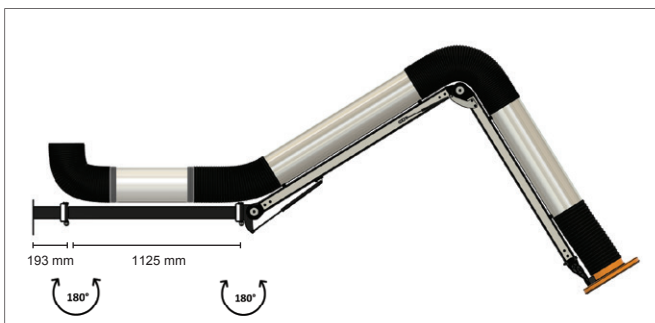
## ESA arm



ESA arm mounted on ceiling bracket, swivel 180°

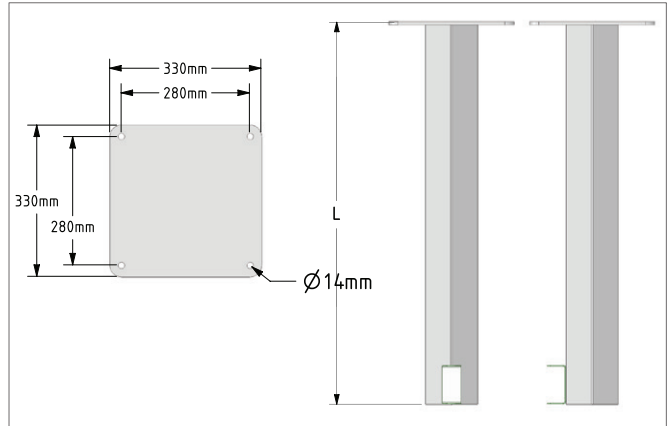


ESA arm mounted on ceiling bracket, swivel 360°

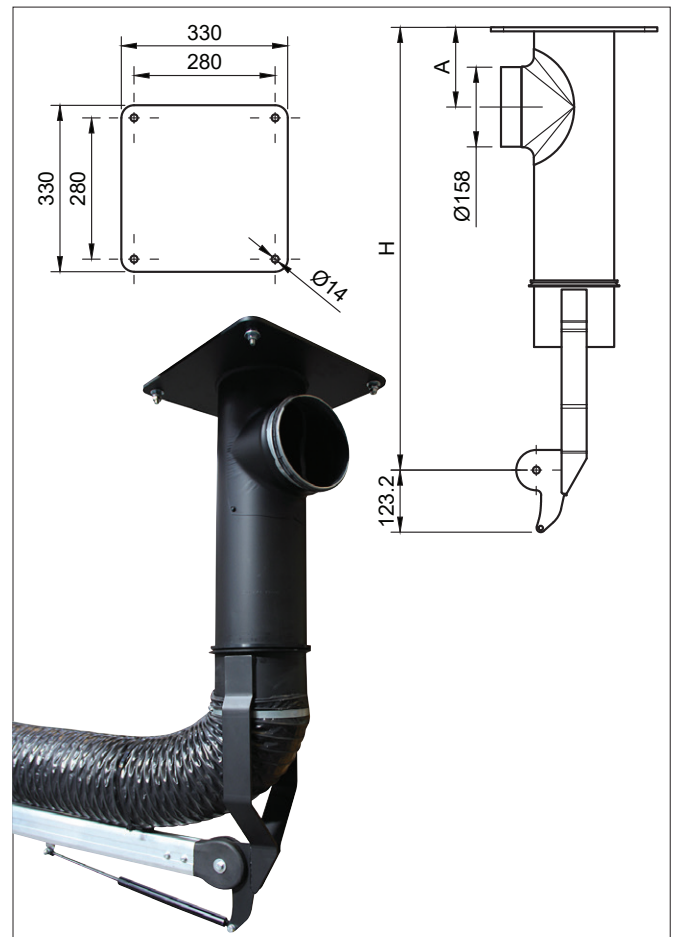


ESA arm with extension (4 and 5m)

## Dimensions



Bracket floor/ceiling L=400-2500 mm. Only for use with ESA arm up to 5 meter.

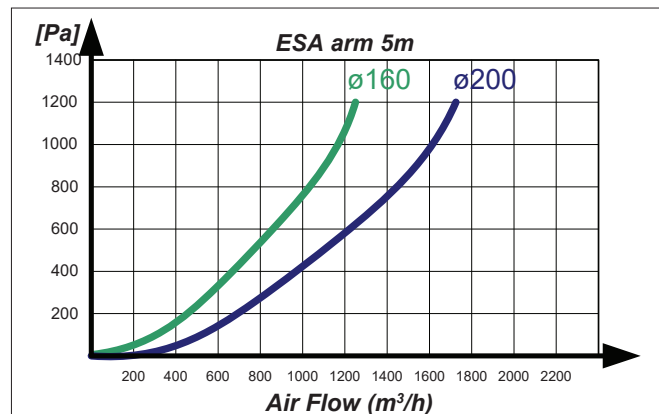
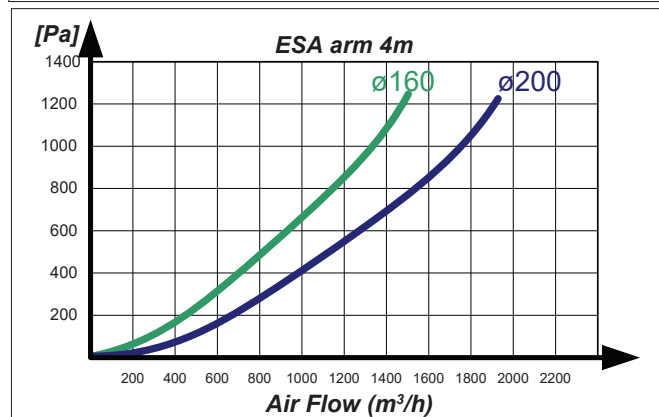
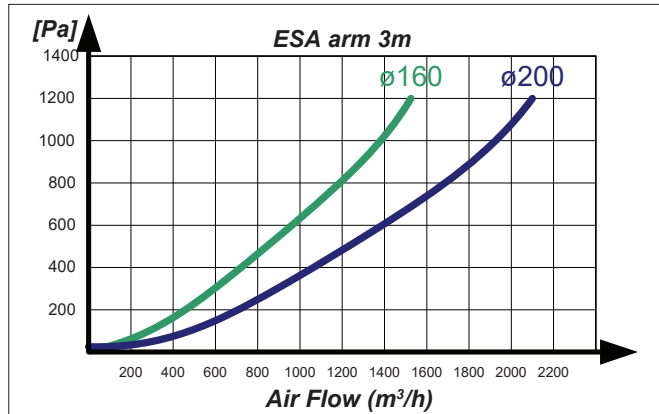
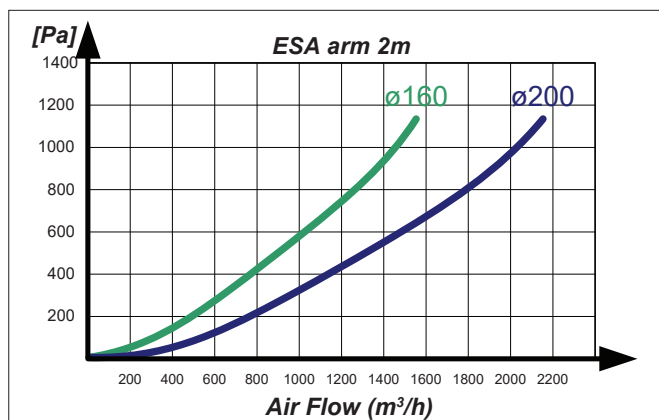


01-681 Ceiling bracket 360°

Ceiling console - 360° rotatable. Made of coated steel and comes with brass bearings and VA packing ring in rubber. Standard length: 500 mm. Available in other lengths.

Ceiling/floor console - 180° rotatable. Is made of coated steel and can be used for ESA arms up to 5 meters length.

### Pressure drop



Note: The ESA arms with tube will have a marginally lower pressure drop

### Damper

The damper is not fitted from the factory.

### ESA arm with light

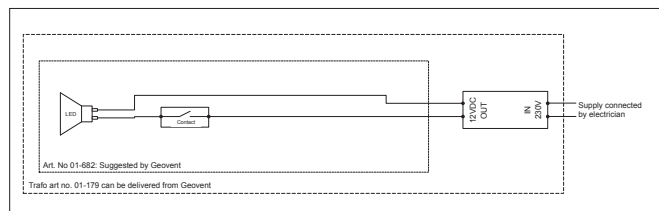
The lamp and the net are factory fitted. Connection of the light is made by passing the wire from the lamp inside the hose/tube. The wire is pulled through the hose/tube and led out through the hose/tube near the transformer. The wire must be connected to the transformer. The transformer is then connected to the mains.

### Light specifications:

Type:	LED
Power:	5 W 36°
Voltage:	12 V
Supply voltage	230-240V - 50-60 Hz
Transformer power:	12 VDC, Max 1.25 A, Max 15 W



The wire from the lamp must be connected to 12 VDC.



For further information on installation requirements etc., please refer to our instruction manual.



ESA arm with LED light in the hood