

MOVEX® AFSA/H/U



Exhaust rails for rescue vehicles

MOVEX exhaust fume rails for emergency vehicles are constructed with load-bearing aluminum profiles and integrated guide rail. The exhaust fume rail is equipped with special fixed brackets which can easily be mounted to walls or ceilings.

AFSA AFSA is a simple exhaust for shorter vehicles with low-mounted exhaust pipes, such as ambulances.

AFSH AFSH is an optimal solution for longer vehicles with low-mounted exhaust pipes, such as turntable trucks.

AFSU AFSU is for vehicles with high-mounted exhaust pipes, such as fire engines. The chain suspension of the rail means simpler installation and is easily adjustable for different vehicle heights. The design also facilitates completely automatic function at turnout and approach.

The rails can be equipped with various automatic solutions, including start and stop of fans and automatic nozzle disconnection.

The Movex range also includes fans, accessories and filters suitable for exhaust extractors

EXHAUST EXTRACTOR
Pure advantage

MOVEX® AFSA

Profile rail

Made from anodized aluminum with integrated guide rails. End stops with dampers made from yellow chromate steel.

Trolley

Made from yellow chromate steel with 5 ball-bearing wheels.

Balancing block

Balancing block in reinforced polyamide, inversely progressive with 15 foot wire and bracket for trolley.

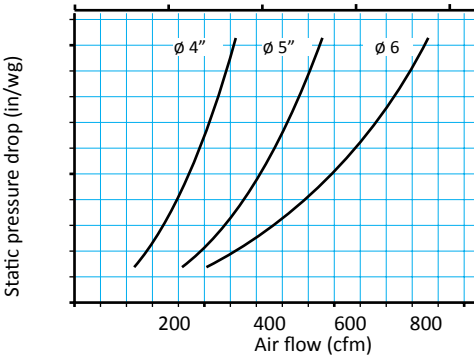
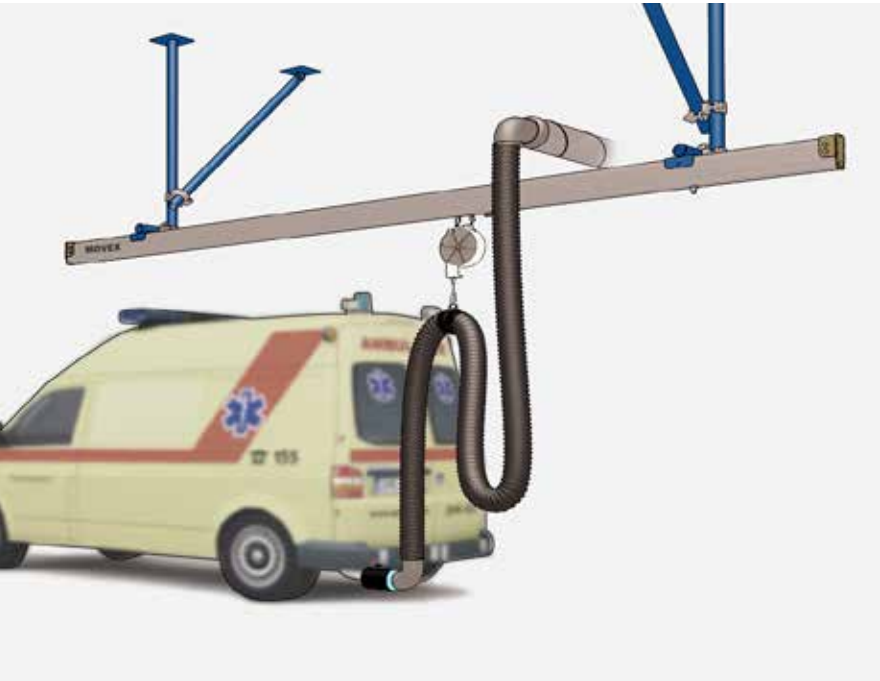
Hose

Heat-resistant, rubberised fabric in EPDM/polyester. Coil, polyamide. Hose length, 23 foot.

Hose breakage protection

Shock-resistant, manufactured in EPDM rubber.
Protects the hose against heavy loads without the hose, nozzle or vehicle being damaged.

Special, stable brackets are available for fitting the rail, see last page.



Pressure drop with 23 feet extended vertical hose

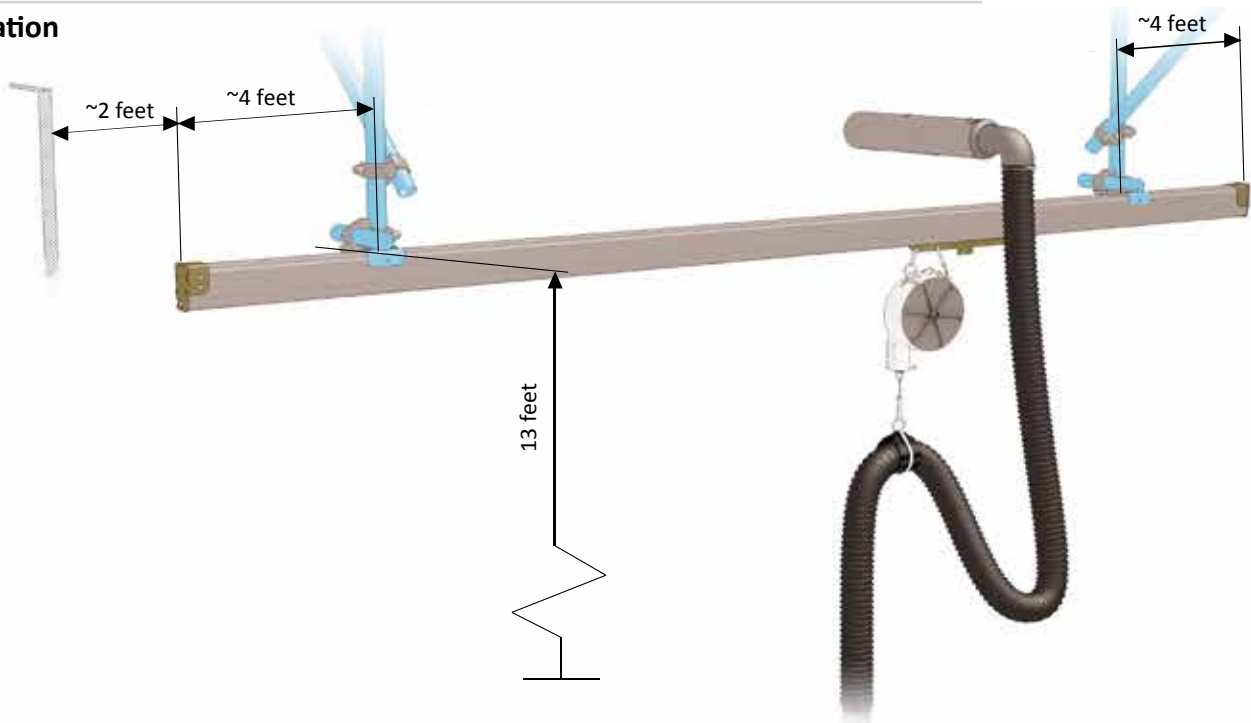
The nozzle automatically follows the exhaust pipe by means of an exhaust hose suspended in an inversely progressive balancing block. The block moves sideways and automatically returns to its centre position. At turnout, the nozzle and hose are lifted by the well-weighted balancing block. At approach, the nozzle is manually connected to the vehicle. The effective length of the track is 20 feet.

Delivery

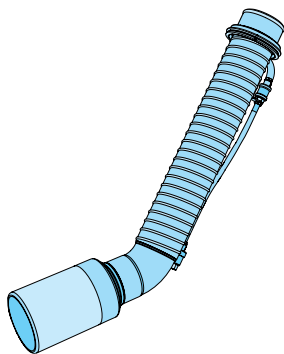
Ceiling brackets and nozzle to be purchased separately. Fans and fan controls are available in leaflets Fans and Control Units.

AFSA		
Item No.	Description	Length
AFSA/60-100	Complete rail, hose Ø 4" not incl. ceiling bracket	20 feet
AFSA/60-125	Complete rail, hose Ø 5" not incl. ceiling bracket	20 feet
AFSA/60-150	Complete rail, hose Ø 6" not incl. ceiling bracket	20 feet

Installation



Nozzle and automatic control device suitable for AFSA

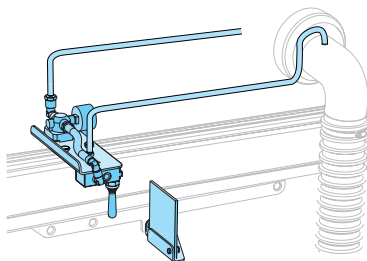


Pneumatic nozzle

For automatic disconnection at turnout. Pressurised manually at approach with a rubber sleeve to seal around the exhaust pipe. Also has compressed air unit for automatic control devices, AFSA 810A.

Pneumatic nozzle

Item No.	Description	Vertical hose
APM 812A	Nozzle Ø 4"	Ø 4"
APM 813A	Nozzle Ø 5"	Ø 4"
APM 815A	Nozzle Ø 6"	Ø 4"
APM 814A	Nozzle Ø 5"	Ø 5"
APM 816A	Nozzle Ø 6"	Ø 5"
APM 817A	Nozzle Ø 6"	Ø 6"

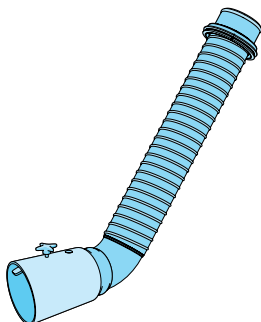


Compressed air unit

For automatic disconnection at turnout. Unit for automatic control devices is included, and supplied complete with regulator, hose, switch and release with bracket.

Unit for automatic control devices

Item No.	Description
AFSA 810A	Automatic disconnection



Mechanical nozzle

For automatic disconnection at turnout. Rubber-coated nozzle with adjustable clips.

Mechanical nozzle

Item No.	Description	Ø mm
ABKS-100	Nozzle Ø 6"	4"
ABKS-125	Nozzle Ø 6"	5"
ABKS-150	Nozzle Ø 6"	5 7/8"

MOVEX® AFSH

Profile rail

Made from anodized aluminum with integrated guide rail. End stops with dampers made from yellow chromate steel.

Trolley

Made from yellow chromate steel with 5 ball-bearing wheels.

Balancing block

Balancing block in reinforced polyamide, inversely progressive with 15 feet wire for trolley.

Ceiling hose

Heat-resistant, Hypalon coated polyester fabric. External coil in galvanised steel.

End connection

Ø 6" connection in powder coated steel. Coil, polyamide.

Vertical hose

Heat-resistant, rubberised fabric in EPDM/polyester.

Hose breakage protection

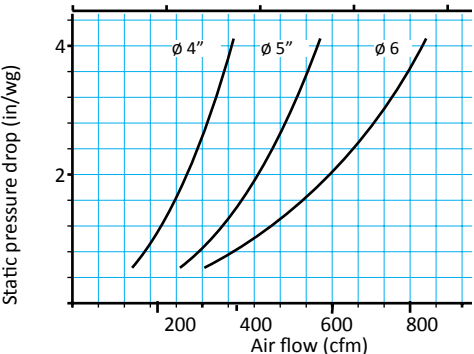
Shock-resistant, manufactured in EPDM rubber.

Protects the hose against heavy loads without the hose, nozzle or vehicle being damaged.

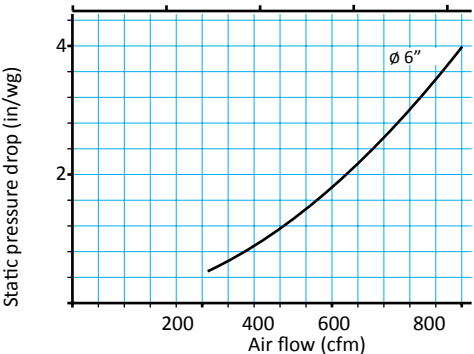
Special, stable brackets are available for fitting the rail, see last page.



The nozzle automatically follows the exhaust pipe by means of an exhaust hose suspended in an inversely progressive balancing block. At turnout, the nozzle and hose are lifted by the well-weighted balancing block. At approach, the nozzle is manually connected to the vehicle. Effective length of the track is 13-32 feet. Compression space for hose 3 feet. Connection dimension 6".



Pressure drop over trolley with 16 feet extended vertical hose



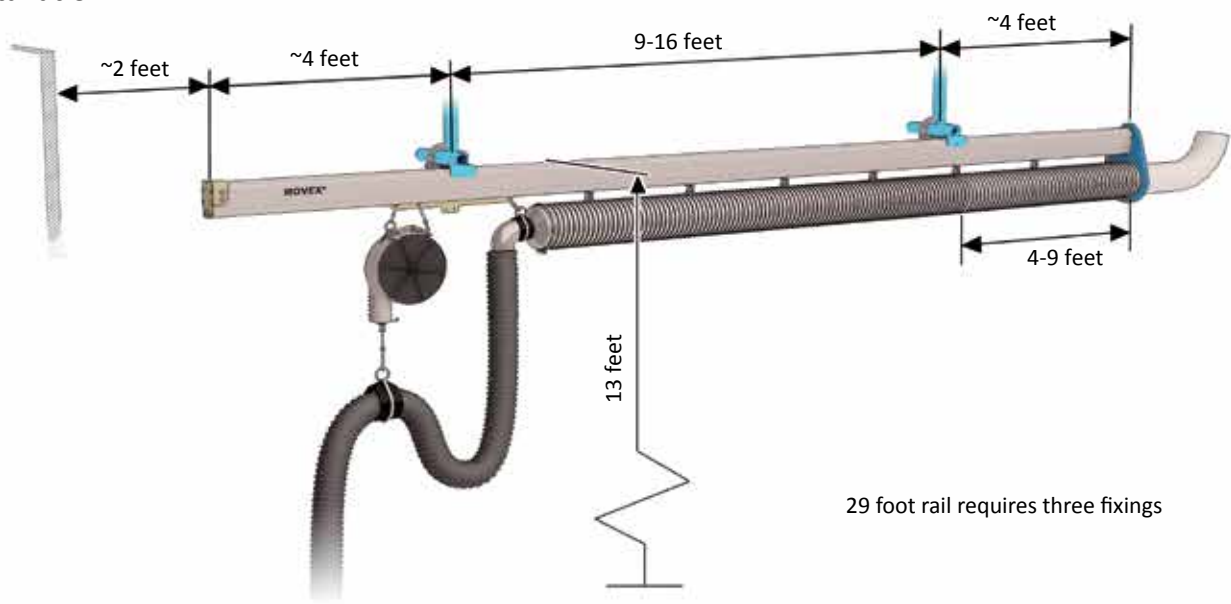
Pressure drop with 19 feet extended ceiling hose

Delivery

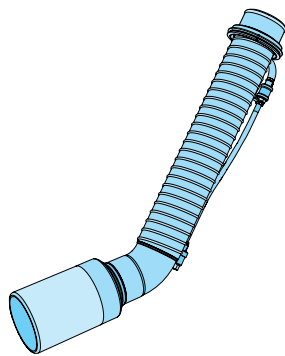
Ceiling hose with ready-fitted trolleys. Ceiling brackets and nozzle to be purchased separately. Nozzles, fans and fan controls are available in leaflets Nozzle, Fans and Control Units.

AFSH		
Item No.	Description	Length
AFSH/60-100	Complete rail, vertical hose 16 feet, Ø 4"	19 feet
AFSH/90-100	Complete rail, vertical hose 16 feet, Ø 4"	29 feet
AFSH/60-125	Complete rail, vertical hose 16 feet, Ø 5"	19 feet
AFSH/90-125	Complete rail, vertical hose 16 feet, Ø 5"	29 feet
AFSH/60-150	Complete rail, vertical hose 16 feet, Ø 6"	19 feet
AFSH/90-150	Complete rail, vertical hose 16 feet, Ø 6"	29 feet

Installation



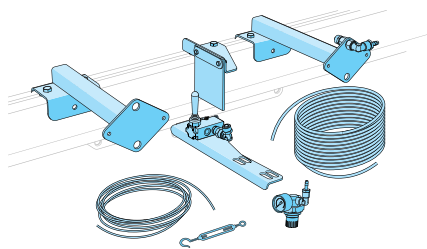
Nozzle and automatic control device suitable for AFSH



Pneumatic nozzle

For automatic disconnection at turnout. Pressurised manually at approach, with a rubber sleeve to seal around the exhaust pipe. Also has compressed air unit for automatic control devices, AFSH 809A.

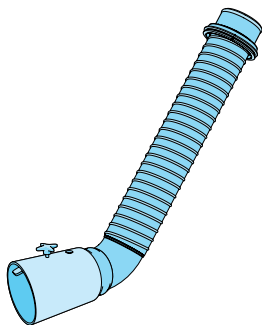
Pneumatic nozzle		
Item No.	Description	Vertical hose
APM 812A	Nozzle Ø 4"	Ø 4"
APM 813A	Nozzle Ø 5"	Ø 4"
APM 815A	Nozzle Ø 6"	Ø 4"
APM 814A	Nozzle Ø 5"	Ø 5"
APM 816A	Nozzle Ø 6"	Ø 5"
APM 817A	Nozzle Ø 6"	Ø 6"



Compressed air unit

For automatic disconnection at turnout. Unit for automatic control devices is included, and supplied complete with regulator, hose, hose coil, switch and release with bracket.

Unit for automatic control devices	
Item No.	Description
AFS 809A	Automatic disconnection



Mechanical nozzle

For automatic disconnection at turnout. Rubber-coated nozzle with adjustable clips.

Mechanical nozzle		
Item No.	Description	Ø mm
ABKS-100	Nozzle Ø 6"	4"
ABKS-125	Nozzle Ø 6"	5"
ABKS-150	Nozzle Ø 6"	5 7/8"

Profile rail and rail mounting

Made from anodized aluminum, with chain bracket and accompanying mounting brackets. Chain bracket for profile rail in yellow chromate steel with 5 feet of chain.

Trolley

Made from yellow chromate steel with 5 ball-bearing wheels.

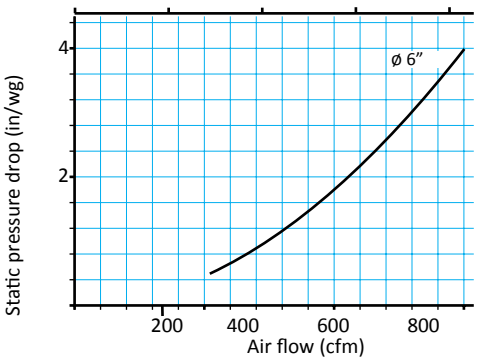
Balancing block

Balancing block in steel plate with bracket for rail.

Ceiling hose

Heat-resistant, Hypalon coated polyester fabric. Coil in galvanised steel.

Special, stable brackets are available for fitting the rail, see last page.



Pressure drop with 19 feet extended ceiling hose

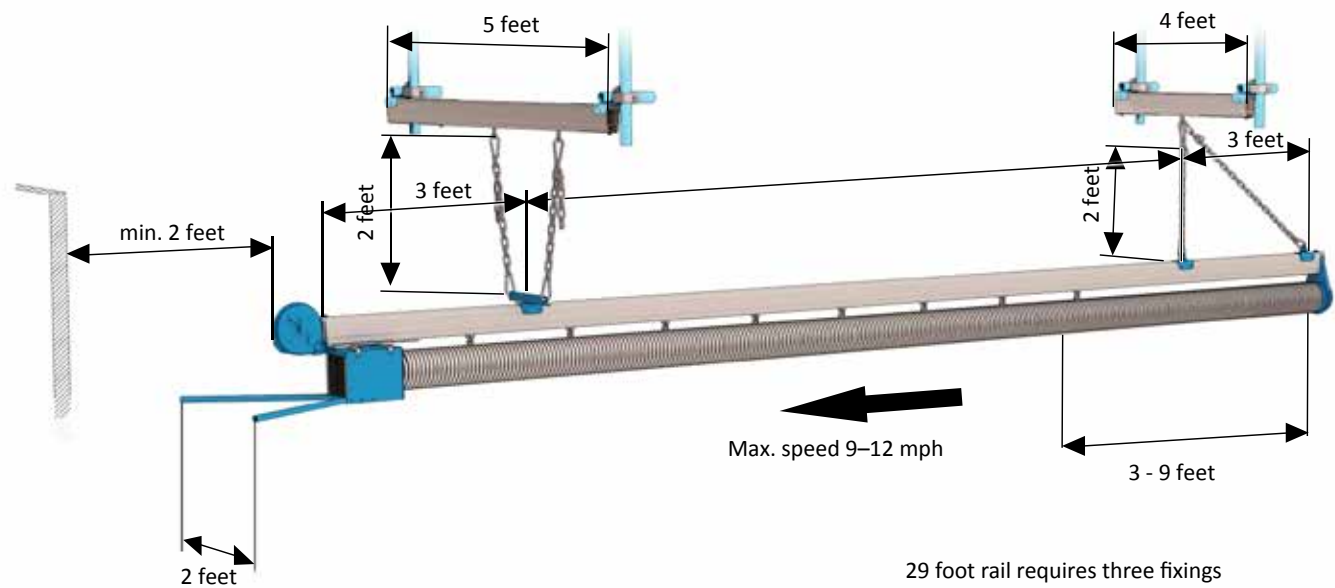
At turnout, the trolley automatically follows the exhaust pipe by means of a balancing block. The rail moves sideways and always automatically returns to its centre position. At approach, the vehicle is backed up to the trolley and the exhaust pipe is caught by the trolley's trapping arms. Possible side movement 5 feet. Effective length of the track is 28-32 feet. Compression space for hose 4-9 feet. Connection dimension 6".

Delivery

Ceiling hose with ready-fitted trolleys. Adjustable fixings for easy installation. Untreated rail bracket included for wrought iron made on site. Fans and fan controls are available in separate leaflets Fans and Control Units.

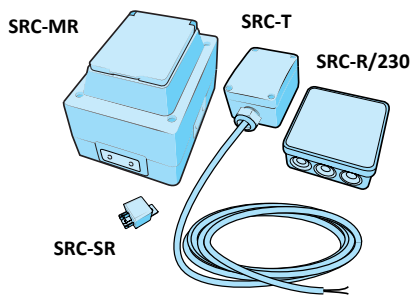
AFSU		
Item No.	Description	Length
AFSU/60	Complete rescue rail	19 feet
AFSU/90	Complete rescue rail	29 feet

Installation



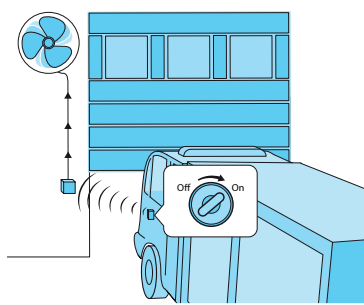
Control units

Control of fans and automatic dampers



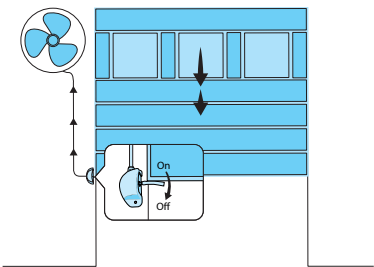
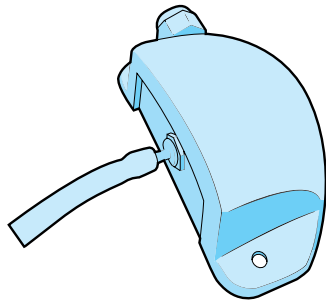
Remote control
To start and stop fans from the operator's console in the vehicle. Supplemented with control unit S400/600 or S200, see leaflet Control Units.

Control units	
Item No.	Description
AFS RS	Remote control for gate



Gate switch
For automatic start/stop of fan/damper when opening a gate. Supplemented with control unit S400/600 or S200, see leaflet Control Units.

Gate Switch	
Item No.	Description
AFS PB	Limit for gate

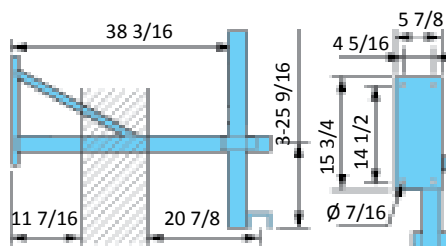


Bracket suitable for AFSA and AFSH**Wall bracket, adjustable**

Powder coated steel. Max length 39".

The bracket sections are joined using Layher connectors.

Weight: 39" – 27 lb

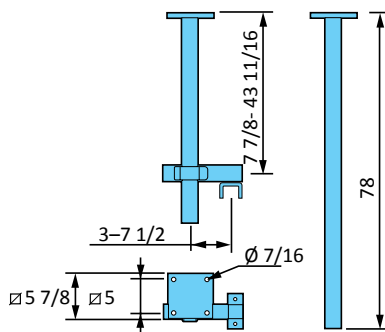
**Wall bracket**

Item No.	Description	Length
AFS 210	Adjustable wall bracket	max 39 feet

Ceiling bracket, adjustable

Powder coated steel. Adjustable length, 5–78". The bracket sections are joined using Layher connectors.

Weight: 39" – 17 lb, 78" – 22 lb

**Ceiling bracket**

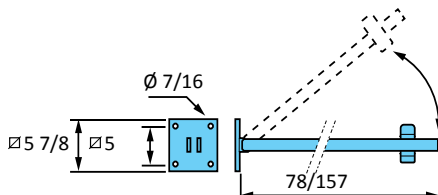
Item No.	Description	Length
AFS 200	Adjustable ceiling bracket	max 39 feet
AFS 205	Adjustable ceiling bracket	max 78 feet

Strut, ceiling or wall fixing

Powder coated steel. Length 78 or 157 inches.

Turnable Layher connectors.

Weight: 78" – 16 lb, 157" – 29 lb

**Strut**

Item No.	Description	L
AS 222	Strut pipe with plate	78"
AS 224	Strut pipe with plate	157"