

# Guardian - Aluminium Security Pipe System - Product Summary



Guardian - Circular Pipe



Guardian - Square Pipe



Guardian - Rectangular Pipe



# Guardian - Aluminium Security Pipe System - Product Summary

A contemporary range of extruded aluminium downpipes designed for mounting flush with the building fabric. Guardian pipework has concealed brackets and concealed jointing which provides a high level of security.

## Applications

- Specifically designed for security conscious environments
- Suitable for new build and refurbishment projects
- Compatible with Heritage, Aqualine and GX gutter systems

## Features & Performance

- Choice of circular, square and rectangular pipes
- Profiles fit flush to the wall making them vandal resistant and unrippable
- Lightweight, durable and non-corrodible

- Life expectancy of aluminium: 40 years (rural/suburban areas); up to 25 years (industrial/marine areas)
- Easy to handle and fix
- Aluminium is 100% recyclable

## Colours & Finishes

- BBA approved polyester powder coatings, factory applied at Alumasc
- 26 standard colours with additional BS or RAL colours available to special order
- Also available in plain mill finish for on-site painting

## Manufacture

- UK manufactured
- Made from extruded aluminium to BS EN 12020:2001, BS EN 515:1993, BS EN 573:1995 and BS EN 755, from grade 6063 T6 alloy

## Installation & Fixing

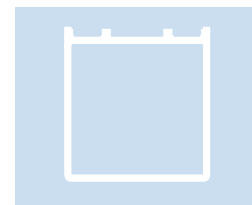
- Method of fixing allows pipes to be fitted into a recess in the facade
- Systems are assembled from the ground upwards connecting to running outlets
- Special drain connectors are available for connection to gullies
- Minimal maintenance requirements



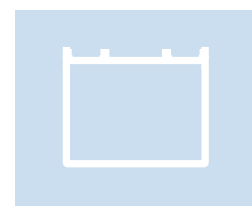
## Pipe Profiles & Sizes



**Circular Pipe**  
86 x 106mm  
111 x 138mm



**Square Pipe**  
80 x 72mm  
109 x 102mm



**Rectangular Pipe**  
84 x 102mm

# Guardian - Circular Pipes and Fittings

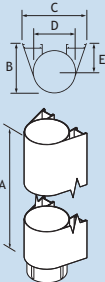


Guardian Circular Pipes are available in 2 sizes and pipe lengths of 2m. Concealed flush fixing ensures that the pipe cannot be scaled. Factory finished in a choice of coloured BBA certificated powder coatings.

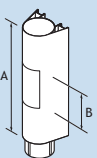
Notes: Guardian is a bespoke manufactured range. Contact Alumasc Technical Services for more information.

All dimensions are in mm unless shown otherwise.

## Pipes

	Pipe Size	Pipe Length (A)	B	C	D	E	Product Code
	86 x 106	2000mm	86	106	70	47	HSP/V30/2MA
	"	1000mm	86	106	70	47	HSP/V30/1MA
	111 x 138	2000mm	111	138	102	60	HSP/V40/2MA
	"	1000mm	111	138	102	60	HSP/V40/1MA

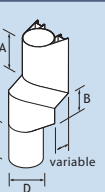
## Access Pipes

	Pipe Size	A	B	Product Code
	86 x 106	300	150	HSP/V30/ACP
	111 x 138	300	150	HSP/V40/ACP

## Shoe

	Pipe Size	A	B	Product Code
	86 x 106	30	100	HSP/V30/SH
	111 x 138	30	100	HSP/V40/SH

## Drain Connector

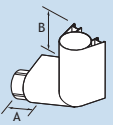
	Pipe Size	A	B	C	D	Product Code
	86 x 106	100	100	100	Variable	HSP/V30/ZADP
	111 x 138	100	100	100	Variable	HSP/V40/ZADP

Note: This is a made to order item. Dimensions are required from the wall to the centre of the drain prior to placing an order

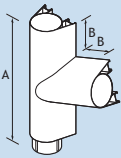
Note: The products are available in a plain mill finish or with a BBA accredited polyester powder coated finish. Product codes in the tables refer to the mill finish. For polyester powder coated finish please add the suffix /PPC.

# Guardian - Circular Pipes and Fittings

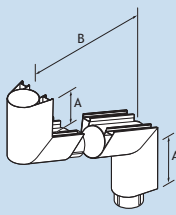
## Bend

	Pipe Size	A	Product Code
	86 x 106	100	HSP/V30/ZBND
	111 x 138	100	HSP/V40/ZBND
Note: Please specify whether left, right, front or rear is required Please specify whether 92.5, 112.5 or 135° is required			

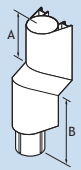
## Branch

	Pipe Size	A	B	Product Code
	86 x 106	300	100	HSP/V30/ZBRN
	111 x 138	300	100	HSP/V40/ZBRN
Note: Please state whether left or right hand is required Please specify whether 92.5, 112.5 or 135° is required				

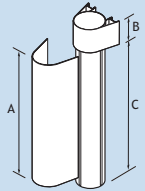
## Offset

	Pipe Size	Offset	A	B	Product Code
	86 x 106	Up to 305	100	305	HSP/V30/305
	111 x 138	Up to 305	100	305	HSP/V40/305
	86 x 106	Up to 533	100	533	HSP/V30/533
	111 x 138	Up to 533	100	533	HSP/V40/533
	86 x 106	Up to 762	100	762	HSP/V30/762
	111 x 138	Up to 762	100	762	HSP/V40/762
Note: Please specify whether 92.5, 112.5 or 135° is required Front, left and right offsets also available					

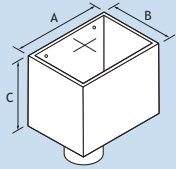
## 135° Fixed Offsets

	Pipe Size	Offset	A	B	Product Code
	86 x 106	75	100	100	HSP/V30/75/135A
	111 x 138	75	100	100	HSP/V40/75/135A

## Make-Up Piece

	Pipe Size	A	B	C	Product Code
	86 x 106	340	60	380	HSP/V30/MUP
	111 x 138	340	60	380	HSP/V40/MUP

## Contemporary Rainwater Heads

	Pipe Size	A	B	C	Product Code
	86 x 106	250	180	200	HSP/V30/HOP
	111 x 138	250	180	200	HSP/V40/HOP

Note: The products are available in a plain mill finish or with a BBA accredited polyester powder coated finish. Product codes in the tables refer to the mill finish. For polyester powder coated finish please add the suffix /PPC.

# Guardian - Square and Rectangular Pipes and Fittings

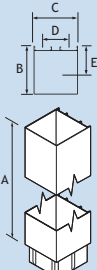


Guardian Square Pipes are available in 3 square/rectangular sizes and pipe lengths of 2m. Concealed flush fixing ensures that the pipe cannot be scaled. Factory finished in a choice of coloured BBA certificated powder coatings.

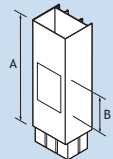
Notes: Guardian is a bespoke manufactured range. Contact Alumasc Technical Services for more information.

All dimensions are in mm unless shown otherwise.

## Pipes

	Pipe Size	Pipe Length (A)	B	C	D	E	Product Code
	80 x 72	2000mm	80	72	41	44	HSP/S33/2MA
	80 x 72	1000mm	80	72	41	44	HSP/S33/1MA
	84 x 102	2000mm	84	102	71	46	HSP/S43/2MA
	84 x 102	1000mm	84	102	71	46	HSP/S43/1MA
	109 x 102	2000mm	109	102	71	59	HSP/S44/2MA
	109 x 102	1000mm	109	102	71	59	HSP/S44/1MA

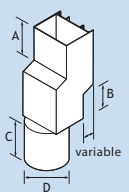
## Access Pipes

	Pipe Size	A	B	Product Code
	80 x 72	300	150	HSP/S33/ACP
	84 x 102	300	150	HSP/S43/ACP
	109 x 102	300	150	HSP/S44/ACP

## Shoe

	Pipe Size	A	B	Product Code
	80 x 72	30	100	HSP/S33/SH
	84 x 102	30	305	HSP/S43/SH
	109 x 102	30	100	HSP/S44/SH

## Drain Connector

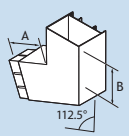
	Pipe Size	A	B	C	D	Product Code
	80 x 72	100	100	100	Variable	HSP/S33/ZADP
	84 x 102	100	100	100	Variable	HSP/S43/ZADP
	109 x 102	100	100	100	Variable	HSP/S44/ZADP

Note: This is a made to order item. Dimensions are required from the wall to the centre of the drain prior to placing an order

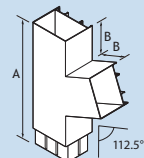
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# Guardian - Square and Rectangular Pipes and Fittings

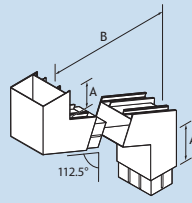
## Bend

	Pipe Size	A	Product Code
	80 x 72	100	HSP/S33/ZBND
	84 x 102	100	HSP/S43/ZBND
	109 x 102	100	HSP/S44/ZBND
Note: Please specify whether left, right, front or rear is required. Please specify whether 92.5, 112.5 or 135° is required			

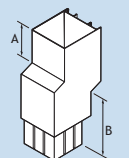
## Branch

	Pipe Size	A	B	Product Code
	80 x 72	300	100	HSP/S33/ZBRN
	84 x 102	300	100	HSP/S43/ZBRN
	109 x 102	300	100	HSP/S44/ZBRN
Note: Please state whether left or right hand is required. Please specify whether 92.5, 112.5 or 135° is required				

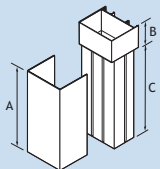
## Offset

	Pipe Size	Offset	A	B	Product Code
	80 x 72	Up to 305	100	305	HSP/S33/305
	84 x 102	Up to 305	100	305	HSP/S43/305
	109 x 102	Up to 305	100	305	HSP/S44/305
	80 x 72	Up to 533	100	533	HSP/S33/533
	84 x 102	Up to 533	100	533	HSP/S43/533
	109 x 102	Up to 533	100	533	HSP/S44/533
	80 x 72	Up to 762	100	762	HSP/S33/762
	84 x 102	Up to 762	100	762	HSP/S43/762
	109 x 102	Up to 762	100	762	HSP/S44/762
Note: Please specify whether 92.5, 112.5 or 135° is required. Front, left and right offsets also available					

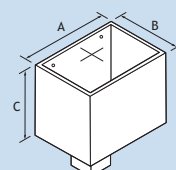
## 135° Fixed Offsets

	Pipe Size	Offset	A	B	Product Code
	80 x 72	75	100	100	HSP/S33/75/135A
	84 x 102	75	100	100	HSP/S43/75/135A
	109 x 102	75	100	100	HSP/S44/75/135A

## Make-Up Piece

	Pipe Size	A	B	C	Product Code
	80 x 72	340	60	380	HSP/S33/MUP
	84 x 102	340	60	380	HSP/S43/MUP
	109 x 102	340	60	380	HSP/S44/MUP

## Contemporary Rainwater Heads

	Pipe Size	A	B	C	Product Code
	80 x 72	250	180	200	HSP/S33/HOP
	84 x 102	250	180	200	HSP/S43/HOP
	109 x 102	250	180	200	HSP/S44/HOP

Note: The products are available in a plain mill finish or with a BBA accredited polyester powder coated finish. Product codes in the tables refer to the mill finish. For polyester powder coated finish please add the suffix /PPC.