

HARMER

BUILDING DRAINAGE

Harmer Aluminium Roof Outlets Extended Spigot Range



ALUMASC

WATER MANAGEMENT SOLUTIONS



HARMER

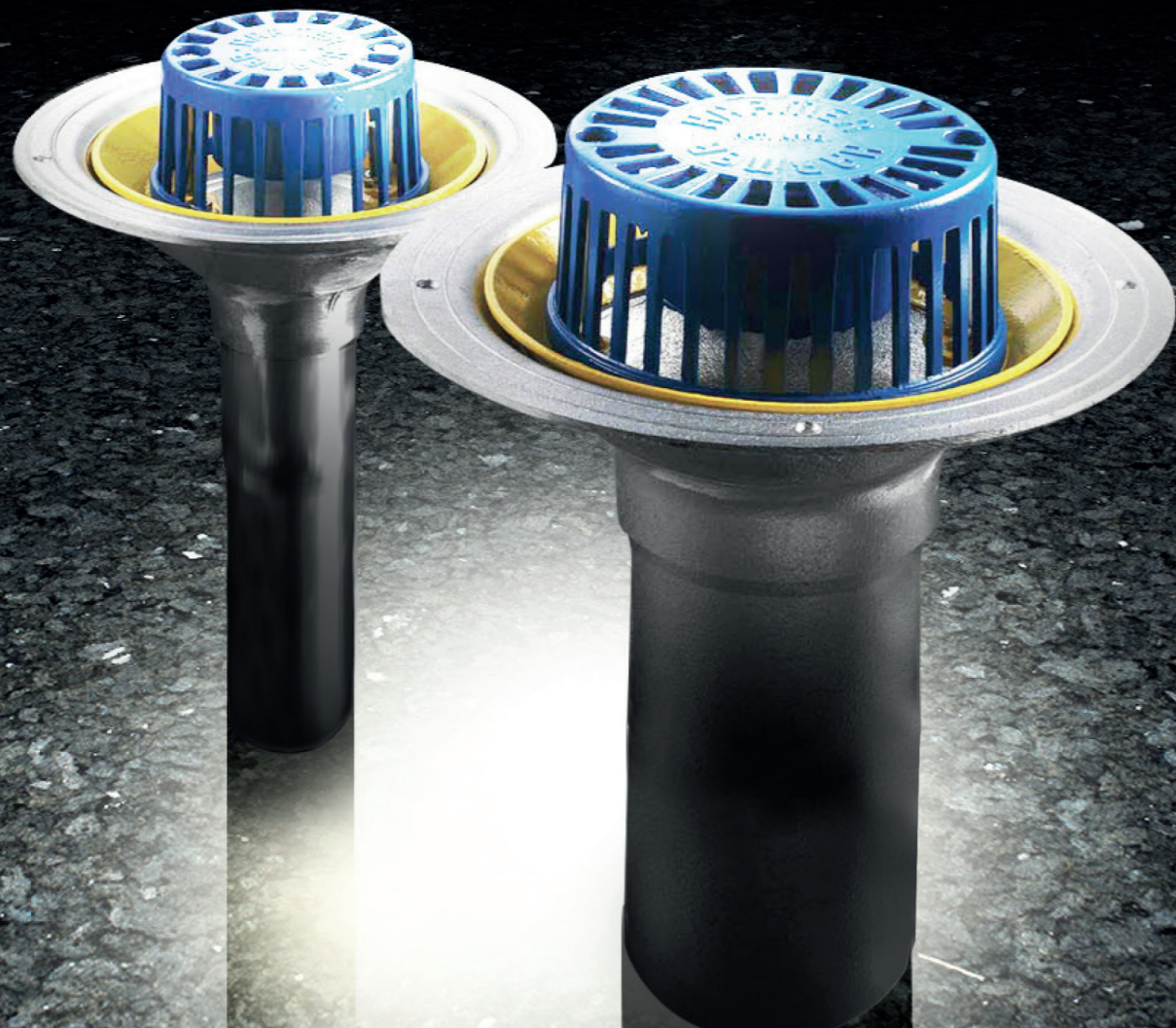
BUILDING DRAINAGE

HARMER ALUMINIUM ROOF OUTLETS EXTENDED SPIGOT RANGE

Harmer Roof is a high-performance rainwater drainage system suitable for all types of flat roof application. The variety of drainage conditions encountered in modern refurbishment and new build work means that a standard rainwater outlet will not always be available to address a particular detailing requirement.

The Harmer AV[®] and Detail Aluminium Roof Outlets are now available with Extended Spigot options including for the Flushjoint Aluminium downpipe range.

Available in any length option from 200mm up to 1000mm.



Aluminium Roof Outlets - Extended Spigot Range

Compliances

Drainage flow performance to BS EN 12056. European Classification (Euroclass) A2 Fire Rated Aluminium Roof Outlet Compliant with BS 8579 - Guide to the design of balconies and terraces.

High Flow Performance

An outlet body with a deep integral sump and extended spigot in various lengths for controlled flow of water into pipe. Domical grates for Harmer AV outlets incorporate a patented baffle to prevent water swirl and air entrapment enabling the outlet to drain at optimum pipe capacity. The AV system provides complete reassurance which is critical to building drainage design.

Robust and Secure

Optional flat grates are available for trafficked and terraced areas. A wide choice of standard drain body variations with extended spigot connection, for vertical, horizontal or 45° discharge. The shallow sump balcony outlets incorporate stainless steel and nickel bronze grate options for enhanced appearance with alternative deck finishes.

Low Maintenance

Domical grates for Harmer outlets permit a free flow of rainwater while preventing loose chippings or debris from entering the outlet. The offset fixings of the clamping ring and domical grate to the outlet body, for both Detail and AV grates, ensures that the throat is completely unobstructed for optimised flow and to facilitate rodding.

Easy and Quick to Install

New prefabricated extended spigots range, available with either standard spigot or with Flushjoint extruded aluminium downpipe spigots. Aluminium alloy is lightweight, therefore easy to handle on site and during installation. This lightness also makes aluminium outlets suitable for a wide range of lightweight roof decks.

Value for Money

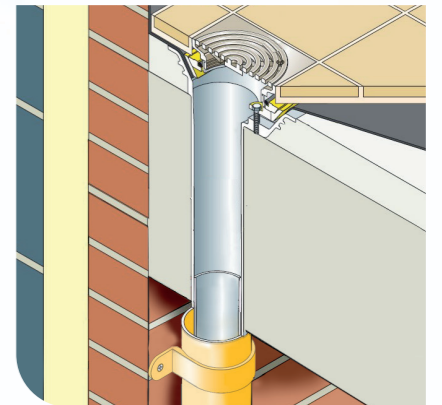
Diecast in LM6 aluminium alloy which has excellent resistance to corrosion under both atmospheric and marine conditions. Clamps and grates are polyester powder coated to BBA-approved painting process standard to further increase protection and extend product life.

Sustainable

Aluminium is 100% recyclable making it a cost effective, sustainable material. End of life Harmer Roof aluminium outlets can be recast into new aluminium products. Life expectancy of aluminium: 40 years for rural suburban areas, up to 25 years for industrial/marine areas.

Bespoke Roof Outlet Solutions

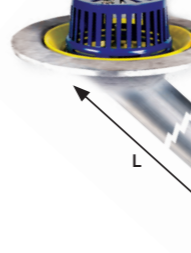
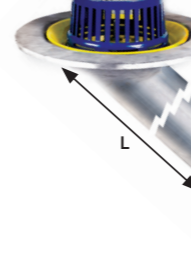
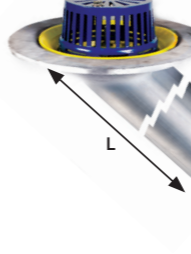
Our innovative, problem-solving specials cover a myriad of applications in which a bespoke design creates a drainage solution in applications that would otherwise be unworkable. Our special designs have solved problems with overflow, rainwater pipework configurations, flow rates, practical constructional issues, problems with the location of pipework, compliance with Building Regulations and conformity with the requirements of bodies such as the National Housebuilding Council (NHBC).



Aluminium Roof Outlets - Extended Spigot Range

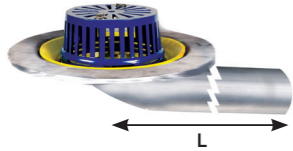
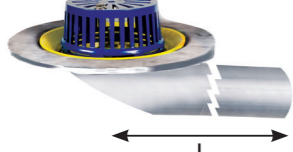
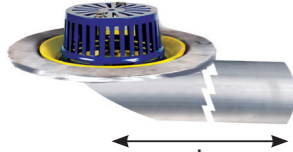
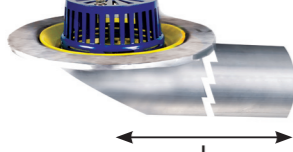
HARMER ALUMINIUM ROOF OUTLETS - EXTENDED SPIGOTS						
Description	Code	Extended Spigot Length (L)	List Price £	Code	Extended Spigot Length (L)	List Price £
AV200 VERTICAL OUTLET - EXTENDED SPIGOT		Dome Grate		Flat Grate		
 <p>50mm Dia</p>	AV200/EXT/200	up to 200mm	147.66	AV200/F/EXT/200	up to 200mm	147.66
	AV200/EXT/400	201 to 400mm	161.95	AV200/F/EXT/400	201 to 400mm	161.95
	AV200/EXT/600	401 to 600mm	179.30	AV200/F/EXT/600	401 to 600mm	179.30
	AV200/EXT/800	601 to 800mm	193.10	AV200/F/EXT/800	601 to 800mm	193.10
	AV200/EXT/1000	801 to 1000mm	209.19	AV200/F/EXT/1000	801 to 1000mm	209.19
AV300 VERTICAL OUTLET - EXTENDED SPIGOT		Dome Grate		Flat Grate		
 <p>75mm Dia</p>	AV300/EXT/200	up to 200mm	187.96	AV300/F/EXT/200	up to 200mm	187.96
	AV300/EXT/400	201 to 400mm	205.57	AV300/F/EXT/400	201 to 400mm	205.57
	AV300/EXT/600	401 to 600mm	219.28	AV300/F/EXT/600	401 to 600mm	219.28
	AV300/EXT/800	601 to 800mm	234.94	AV300/F/EXT/800	601 to 800mm	234.94
	AV300/EXT/1000	801 to 1000mm	253.01	AV300/F/EXT/1000	801 to 1000mm	253.01
AV400 VERTICAL OUTLET - EXTENDED SPIGOT		Dome Grate		Flat Grate		
 <p>100mm Dia</p>	AV400/EXT/200	up to 200mm	238.00	AV400/F/EXT/200	up to 200mm	238.00
	AV400/EXT/400	201 to 400mm	251.99	AV400/F/EXT/400	201 to 400mm	251.99
	AV400/EXT/600	401 to 600mm	267.74	AV400/F/EXT/600	401 to 600mm	267.74
	AV400/EXT/800	601 to 800mm	285.59	AV400/F/EXT/800	601 to 800mm	285.59
	AV400/EXT/1000	801 to 1000mm	295.44	AV400/F/EXT/1000	801 to 1000mm	295.44
AV600 VERTICAL OUTLET - EXTENDED SPIGOT		Dome Grate		Flat Grate		
 <p>150mm Dia</p>	AV600/EXT/200	up to 200mm	296.65	AV600/F/EXT/200	up to 200mm	296.65
	AV600/EXT/400	201 to 400mm	313.60	AV600/F/EXT/400	201 to 400mm	313.60
	AV600/EXT/600	401 to 600mm	332.61	AV600/F/EXT/600	401 to 600mm	332.61
	AV600/EXT/800	601 to 800mm	354.07	AV600/F/EXT/800	601 to 800mm	354.07
	AV600/EXT/1000	801 to 1000mm	365.87	AV600/F/EXT/1000	801 to 1000mm	365.87

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

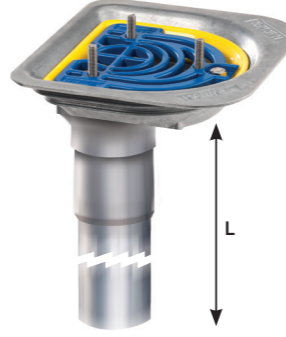
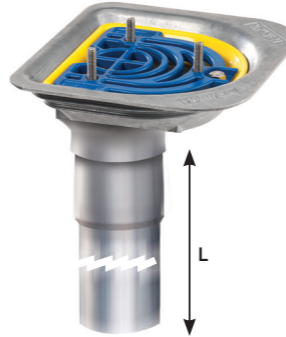
HARMER ALUMINIUM ROOF OUTLETS - EXTENDED SPIGOTS						
Description	Code	Extended Spigot Length (L)	List Price £	Code	Extended Spigot Length (L)	List Price £
45° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>50mm Dia</p>	245/EXT/400	up to 400mm	376.79	245/F/EXT/400	up to 400mm	376.79
	245/EXT/600	401 to 600mm	396.63	245/F/EXT/600	401 to 600mm	396.63
	245/EXT/800	601 to 800mm	418.67	245/F/EXT/800	601 to 800mm	418.67
	245/EXT/1000	801 to 1000mm	443.29	245/F/EXT/1000	801 to 1000mm	443.29
	45° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate	
 <p>75mm Dia</p>	345/EXT/400	up to 400mm	399.78	345/F/EXT/400	201 to 400mm	399.78
	345/EXT/600	401 to 600mm	419.76	345/F/EXT/600	401 to 600mm	419.76
	345/EXT/800	601 to 800mm	441.86	345/F/EXT/800	601 to 800mm	441.86
	345/EXT/1000	801 to 1000mm	466.40	345/F/EXT/1000	801 to 1000mm	466.40
45° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>100mm Dia</p>	445/EXT/400	201 to 400mm	431.28	445/F/EXT/400	201 to 400mm	431.28
	445/EXT/600	401 to 600mm	450.88	445/F/EXT/600	401 to 600mm	450.88
	445/EXT/800	601 to 800mm	472.35	445/F/EXT/800	601 to 800mm	472.35
	445/EXT/1000	801 to 1000mm	495.97	445/F/EXT/1000	801 to 1000mm	495.97

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

Aluminium Roof Outlets - Extended Spigot Range

HARMER ALUMINIUM ROOF OUTLETS - EXTENDED SPIGOTS						
Description	Code	Extended Spigot Length (L)	List Price £	Code	Extended Spigot Length (L)	List Price £
90° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>50mm Dia</p>	290/EXT/400	up to 400mm	344.70	290/F/EXT/400	up to 400mm	344.70
	290/EXT/600	401 to 600mm	363.85	290/F/EXT/600	401 to 600mm	363.85
	290/EXT/800	601 to 800mm	385.25	290/F/EXT/800	601 to 800mm	385.25
	290/EXT/1000	801 to 1000mm	409.33	290/F/EXT/1000	801 to 1000mm	409.33
90° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>75mm Dia</p>	390/EXT/400	up to 400mm	363.47	390/F/EXT/400	up to 400mm	363.47
	390/EXT/600	401 to 600mm	378.61	390/F/EXT/600	401 to 600mm	378.61
	390/EXT/800	601 to 800mm	395.08	390/F/EXT/800	601 to 800mm	395.08
	390/EXT/1000	801 to 1000mm	413.03	390/F/EXT/1000	801 to 1000mm	413.03
90° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>100mm Dia</p>	490/EXT/400	up to 400mm	388.61	490/F/EXT/400	up to 400mm	388.61
	490/EXT/600	401 to 600mm	403.00	490/F/EXT/600	401 to 600mm	403.00
	490/EXT/800	601 to 800mm	418.50	490/F/EXT/800	601 to 800mm	418.50
	490/EXT/1000	801 to 1000mm	435.24	490/F/EXT/1000	801 to 1000mm	435.24
90° EXTENDED SPIGOT OUTLET		Dome Grate		Flat Grate		
 <p>150mm Dia</p>	690/EXT/400	up to 400mm	867.66	690/F/EXT/400	up to 400mm	867.66
	690/EXT/600	401 to 600mm	913.32	690/F/EXT/600	401 to 600mm	913.32
	690/EXT/800	601 to 800mm	964.07	690/F/EXT/800	601 to 800mm	964.07
	690/EXT/1000	801 to 1000mm	1,020.78	690/F/EXT/1000	801 to 1000mm	1,020.78

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

HARMER ALUMINIUM MINI BALCONY ROOF OUTLETS - EXTENDED SPIGOTS			
Description	Code	Extended Spigot Length (L)	List Price £
2BO MINI EXTENDED SPIGOT BALCONY OUTLET			
 <p>50mm Dia</p>	2BO/M/EXT/400	up to 400mm	162.58
	2BO/M/EXT/600	401 to 600mm	180.01
	2BO/M/EXT/800	601 to 800mm	193.85
	2BO/M/EXT/1000	801 to 1000mm	210.01
3BO MINI EXTENDED SPIGOT BALCONY OUTLET			
 <p>75mm Dia</p>	3BO/M/EXT/400	up to 400mm	186.67
	3BO/M/EXT/600	401 to 600mm	201.60
	3BO/M/EXT/800	601 to 800mm	219.13
	3BO/M/EXT/1000	801 to 1000mm	240.00

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

Aluminium Roof Outlets - Extended Spigot Range

HARMER ALUMINIUM MINI BALCONY ROOF OUTLETS - EXTENDED FLUSHJOINT SPIGOT

Description	Code	Extended Spigot Length (L)	List Price £
2BO MINI BALCONY OUTLETS WITH EXTENDED CP25 FLUSHJOINT SPIGOT (CIRCULAR)			
 <p>50mm Dia</p>	2BO/M/EXT/400/CP25	201 to 400mm - CP25	173.80
	2BO/M/EXT/600/CP25	401 to 600mm - CP25	186.67
	2BO/M/EXT/800/CP25	601 to 800mm - CP25	201.60
	2BO/M/EXT/1000/CP25	801 to 1000mm - CP25	219.13
3BO MINI BALCONY OUTLETS WITH EXTENDED CP30 FLUSHJOINT SPIGOT (CIRCULAR)			
 <p>75mm Dia</p>	3BO/M/EXT/400/CP30	201 to 400mm - CP30	193.85
	3BO/M/EXT/600/CP30	401 to 600mm - CP30	210.01
	3BO/M/EXT/800/CP30	601 to 800mm - CP30	229.10
	3BO/M/EXT/1000/CP30	801 to 1000mm - CP30	252.00
3BO MINI BALCONY OUTLETS WITH EXTENDED CP33 FLUSHJOINT SPIGOT (SQUARE)			
 <p>100 x 100mm</p>	3BO/M/EXT/400/CP33	201 to 400mm - CP33	193.85
	3BO/M/EXT/600/CP33	401 to 600mm - CP33	210.01
	3BO/M/EXT/800/CP33	601 to 800mm - CP33	229.10
	3BO/M/EXT/1000/CP33	801 to 1000mm - CP33	252.00

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

HARMER ALUMINIUM BALCONY ROOF OUTLETS - EXTENDED SPIGOT

Description	Code	Extended Spigot Length (L)	List Price £
2BO BALCONY OUTLETS WITH EXTENDED SPIGOT			
 <p>50mm Dia</p>	2BO/EXT/200	up to 200mm	169.87
	2BO/EXT/400	201 to 400mm	185.79
	2BO/EXT/600	401 to 600mm	198.18
	2BO/EXT/800	601 to 800mm	212.33
	2BO/EXT/1000	801 to 1000mm	228.67
3BO BALCONY OUTLETS WITH EXTENDED SPIGOT			
 <p>75mm Dia</p>	3BO/EXT/200	up to 200mm	195.30
	3BO/EXT/400	201 to 400mm	213.60
	3BO/EXT/600	401 to 600mm	227.84
	3BO/EXT/800	601 to 800mm	244.12
	3BO/EXT/1000	801 to 1000mm	262.90
4BO BALCONY OUTLETS WITH EXTENDED SPIGOT			
 <p>100mm Dia</p>	4BO/EXT/200	up to 200mm	233.20
	4BO/EXT/400	201 to 400mm	246.92
	4BO/EXT/600	401 to 600mm	262.35
	4BO/EXT/800	601 to 800mm	279.85
	4BO/EXT/1000	801 to 1000mm	299.84

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

HARMER ALUMINIUM BALCONY ROOF OUTLETS - EXTENDED FLUSHJOINT SPIGOT

Description	Code	Extended Spigot Length (L)	List Price £
2BO BALCONY OUTLETS WITH EXTENDED CP25 FLUSHJOINT SPIGOT (CIRCULAR)			
 <p>50mm Dia</p>	2BO/EXT/200/CP25	up to 200mm - CP25	171.34
	2BO/EXT/400/CP25	201 to 400mm - CP25	188.47
	2BO/EXT/600/CP25	401 to 600mm - CP25	201.93
	2BO/EXT/800/CP25	601 to 800mm - CP25	217.47
	2BO/EXT/1000/CP25	801 to 1000mm - CP25	235.59
3BO BALCONY OUTLETS WITH EXTENDED CP30 FLUSHJOINT SPIGOT (CIRCULAR)			
 <p>75mm Dia</p>	3BO/EXT/200/CP30	up to 200mm - CP30	196.99
	3BO/EXT/400/CP30	201 to 400mm - CP30	209.70
	3BO/EXT/600/CP30	401 to 600mm - CP30	224.16
	3BO/EXT/800/CP30	601 to 800mm - CP30	240.76
	3BO/EXT/1000/CP30	801 to 1000mm - CP30	260.02
3BO BALCONY OUTLETS WITH EXTENDED CP33 FLUSHJOINT SPIGOT (SQUARE)			
 <p>100 x 100mm</p>	3BO/EXT/200/CP33	up to 200mm - CP33	196.99
	3BO/EXT/400/CP33	201 to 400mm - CP33	209.70
	3BO/EXT/600/CP33	401 to 600mm - CP33	224.16
	3BO/EXT/800/CP33	601 to 800mm - CP33	240.76
	3BO/EXT/1000/CP33	801 to 1000mm - CP33	260.02

Not available as a threaded / screw outlet option - only spigot or Flushjoint options

HARMER ALUMINIUM BALCONY ROOF OUTLETS - EXTENDED FLUSHJOINT SPIGOT

Description	Code	Extended Spigot Length (L)	List Price £
4BO BALCONY OUTLETS WITH EXTENDED FLUSHJOINT SPIGOT (CIRCULAR)			
 <p>100mm Dia</p>	4BO/EXT/200/CP40	up to 200mm - CP40	234.83
	4BO/EXT/400/CP40	201 to 400mm - CP40	249.50
	4BO/EXT/600/CP40	401 to 600mm - CP40	266.14
	4BO/EXT/800/CP40	601 to 800mm - CP40	285.15
	4BO/EXT/1000/CP40	801 to 1000mm - CP40	307.08
4BO BALCONY OUTLETS WITH EXTENDED FLUSHJOINT SPIGOT (RECTANGULAR)			
 <p>100 x 75mm</p>	4BO/EXT/200/CP43	up to 200mm - CP43	234.83
	4BO/EXT/400/CP43	201 to 400mm - CP43	249.50
	4BO/EXT/600/CP43	401 to 600mm - CP43	266.14
	4BO/EXT/800/CP43	601 to 800mm - CP43	285.15
	4BO/EXT/1000/CP43	801 to 1000mm - CP43	307.08
4BO BALCONY OUTLETS WITH EXTENDED FLUSHJOINT SPIGOT (SQUARE)			
 <p>100 x 100mm</p>	4BO/EXT/200/CP44	up to 200mm - CP44	234.83
	4BO/EXT/400/CP44	201 to 400mm - CP44	249.50
	4BO/EXT/600/CP44	401 to 600mm - CP44	266.14
	4BO/EXT/800/CP44	601 to 800mm - CP44	285.15
	4BO/EXT/1000/CP44	801 to 1000mm - CP44	307.08

Not available as a threaded / screw outlet option - only spigot or Flushjoint options

Aluminium Roof Outlets - Extended Spigot Range

HARMER ALUMINIUM GULLY OUTLETS - EXTENDED SPIGOTS			
Description	Code	Extended Spigot Length (L)	List Price £
3GO GULLY OUTLET WITH EXTENDED SPIGOT			
 <p>75mm Dia</p>	3GO/EXT/200	up to 200mm	238.44
	3GO/EXT/400	201 to 400mm	252.47
	3GO/EXT/600	401 to 600mm	268.24
	3GO/EXT/800	601 to 800mm	286.12
	3GO/EXT/1000	801 to 1000mm	306.56
	4GO GULLY OUTLET WITH EXTENDED SPIGOT		
 <p>100mm Dia</p>	4GO/EXT/200	up to 200mm	250.08
	4GO/EXT/400	201 to 400mm	264.79
	4GO/EXT/600	401 to 600mm	281.33
	4GO/EXT/800	601 to 800mm	300.09
	4GO/EXT/1000	801 to 1000mm	321.53

Not available as a threaded / screwed outlet option - only spigot or Flushjoint options

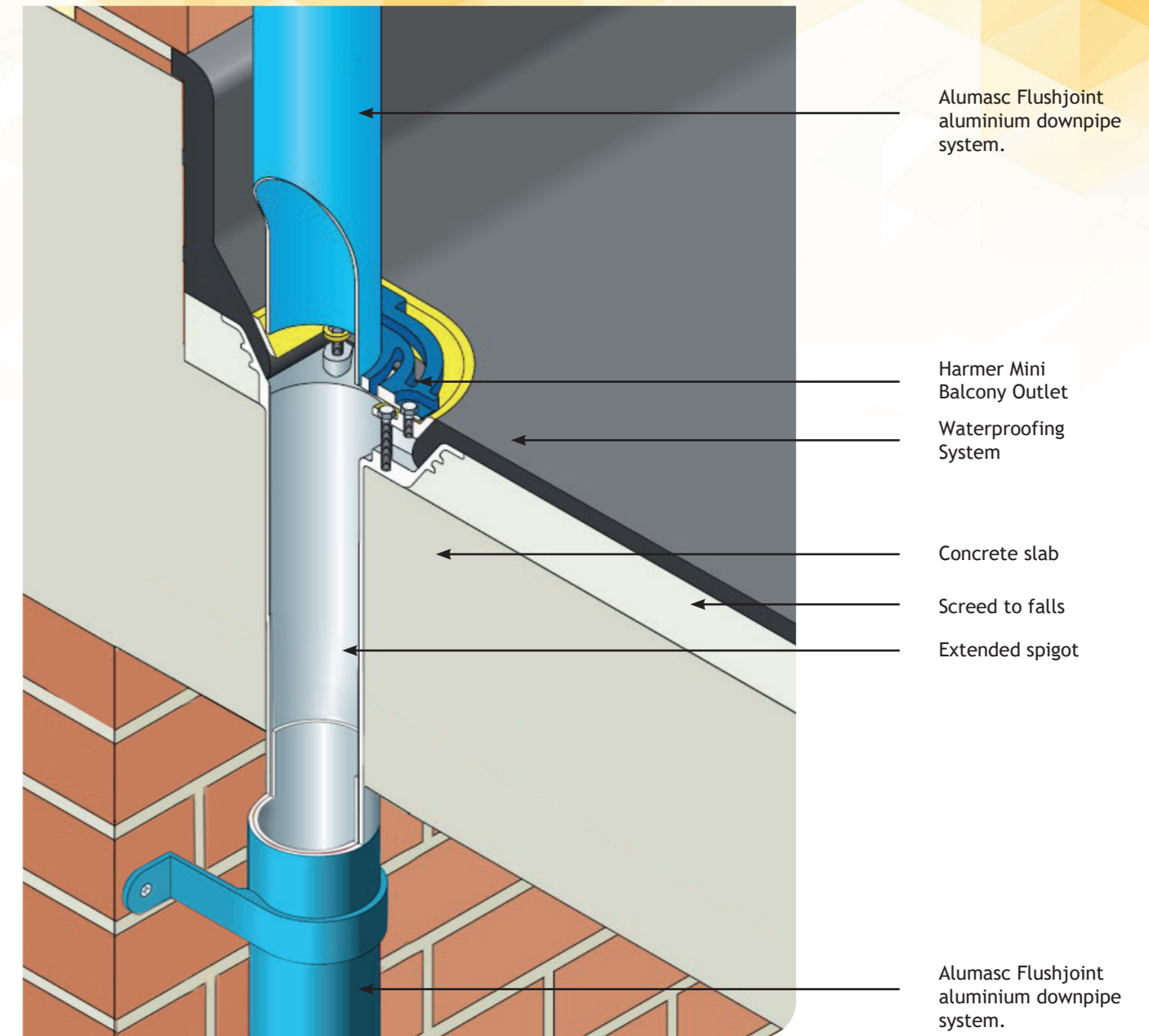
HARMER ALUMINIUM TWO WAY ROOF OUTLETS - EXTENDED SPIGOTS			
Description	Code	Extended Spigot Length (L)	List Price £
2TW MINI TWO WAY OUTLET WITH EXTENDED SPIGOT			
 <p>50mm Dia</p>	2TW/M/EXT/200	up to 200mm	190.51
	2TW/M/EXT/400	201 to 400mm	208.38
	2TW/M/EXT/600	401 to 600mm	222.27
	2TW/M/EXT/800	601 to 800mm	238.14
	2TW/M/EXT/1000	801 to 1000mm	256.46
2TW TWO WAY OUTLET WITH EXTENDED SPIGOT			
 <p>50mm Dia</p>	2TW/EXT/200	up to 200mm	190.51
	2TW/EXT/400	201 to 400mm	208.38
	2TW/EXT/600	401 to 600mm	222.27
	2TW/EXT/800	601 to 800mm	238.14
	2TW/EXT/1000	801 to 1000mm	256.46
3TW TWO WAY OUTLET WITH EXTENDED SPIGOT			
 <p>75mm Dia</p>	3TW/EXT/200	up to 200mm	239.37
	3TW/EXT/400	201 to 400mm	253.45
	3TW/EXT/600	401 to 600mm	269.29
	3TW/EXT/800	601 to 800mm	287.25
	3TW/EXT/1000	801 to 1000mm	306.56

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Aluminium Roof Outlets - Extended Spigot Range

HARMER ALUMINIUM TWO WAY ROOF OUTLETS - EXTENDED SPIGOTS			
Description	Code	Extended Spigot Length (L)	List Price £
4TW TWO WAY OUTLET WITH EXTENDED SPIGOT			
 <p>100mm Dia</p>	4TW/EXT/200	up to 200mm	244.90
	4TW/EXT/400	201 to 400mm	258.90
	4TW/EXT/600	401 to 600mm	274.59
	4TW/EXT/800	601 to 800mm	292.31
	4TW/EXT/1000	801 to 1000mm	312.46
6TW TWO WAY OUTLET WITH EXTENDED SPIGOT			
 <p>150mm Dia</p>	6TW/EXT/200	up to 200mm	338.85
	6TW/EXT/400	201 to 400mm	358.21
	6TW/EXT/600	401 to 600mm	379.92
	6TW/EXT/800	601 to 800mm	391.79
	6TW/EXT/1000	801 to 1000mm	404.43

Aluminium Roof Outlets - Extended Spigot Application Detail



HARMER

BUILDING DRAINAGE

Technical Support

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