



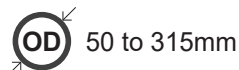
We lead in our experience delivering technical and practical advice since 1992 to supply project scale solutions with a focus on food processing, commercial and industrial applications.

More information can
be found at
auspress.com.au

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We've done our best but this document may have errors contained or implied. When a correction is made, we update our website and recommend you check www.auspress.com.au for the current version.

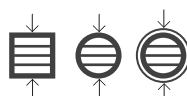
AusPress® Drainage Stainless Pipe & Fittings

Install stainless pipe and fittings quickly without flame for hygienic & high temperature applications.



AusPress® Drainage Floor Gully Range

High performance stainless steel floor drains specifically designed for hygiene & high flows.



AusPress® Drainage Channel Range

Stainless channel linear drainage for high flow applications where hygiene and performance matters.



AusPress® Drainage Civil Drainage

Installed quickly and easily, SN10 & SN16 rated polypropylene (PP-MD) drainage pipe & fittings.



AusPress® Drainage Technical Information

Reference installation and performance information for AusPress drainage products.



We've been working with plumbers, installers and consultants since 1992 to deliver the highest quality products for their individual projects.

From these projects, we've gained an extensive experience in large, complex and specialised installations with our team around the country able to support our customers.



Customer Service

- We offer a high level of customer service before, during and after supply.
- Sales representatives covering each state.
- Onsite assistance and tool training.
- Dedicated Customer Service Centre.

Technical Support

We lead in data and practical experience with extensive resources of information and testing, support from metallurgists & water analysis testing for specialised applications.

Quality Products

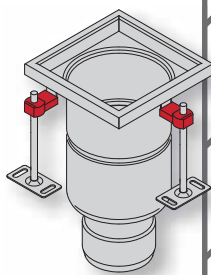
We stock in Australia the original design of system products, proven by over 45 years of installed performance across the world.

Design & Manufacturing Services

- In-house design & trade experienced team.
- Project specific designs to your requirements, large or small.
- We manufacture or channels & custom products in Australia.

www.auspress.com.au

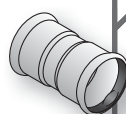
Our company story begins in 1992...



First to supply push together stainless drainage to Australia.

Lead with customer service & support.

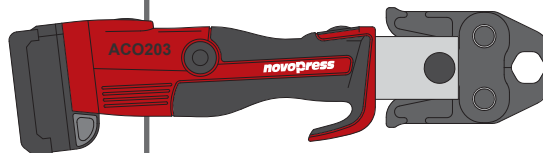
First to hold major supply stocks.



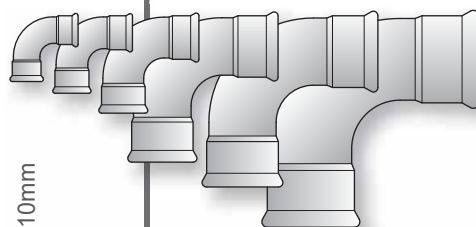
First to supply stainless steel press-fit pressure piping system to Australia.

Local Australian channel & custom item fabrication.

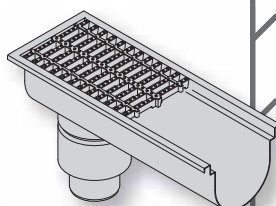
Only equipped & approved service centre for Novopress tools in Australia & NZ.



Opened inhouse design of channels & other customised items.



First to introduce supersize press-fit diameters into Australia.



First to design and supply 'Hygiene' round bottom stainless channel.

Supplied an Australian first: land-based stainless vacuum sewer pipework.



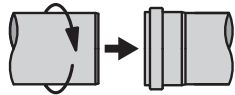
First to supply DUPLEX 2205 stainless press-fit & tooling to Australia & New Zealand.

Stocking 'XL' range of high flow and capacity stainless Floor Gullies.

Supplied with Experience



Partnering
with ACO



Push to
Join



High
Temp
Suitable



Hygienic
Design

Faster to Install

- Fast and reliable push-fit design.
- No welding, glueing, priming or electro-fusing required.
- Lightweight to carry and position onsite. Less dead weight to support.
- Pipe stays straight and doesn't distort from direct sun or heat.
- A wide range of fittings off-the-shelf, available in diameters **50 to 315mm**.

Experience Counts

- We were the first to supply stainless drainage in Australia and New Zealand.
- We work with consultants and installers on specialised complex projects regularly.
- In-house design staff with local fabrication available for project requirements.

Quality to Install

- Approved to WaterMark, Australian and international standards.
- Superior temperature tolerance.
- Designed specifically for hygiene, WaterMark and HACCP approved.

Reliable Design

- Used by leading Australian food processors in demanding environments since 2002.
- With the strength and chemical resistance qualities of stainless steel.
- Pre-fitted double lip ring seal for trouble-free sealing.

Environmental Choice

- Long service life.
- Closed loop material (completely recycled to make more stainless).

Installation Guide

Start to install stainless quicker...

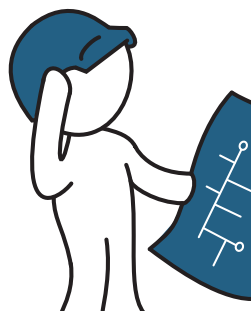
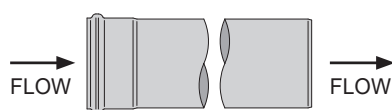
AusPress Stainless Drainage is a socket & spigot design that joins together by pushing the fittings together easily & quickly.

Refer to the technical section for installation recommendations & more information.

Start here

Follow the flow rule...

AusPress Stainless Drainage is directional; the water flow must travel socket to spigot.



Check for suitability...

Confirm the stainless steel and the ring seal (eg EPDM) are suitable for the application and situation. Some chemicals and environments can be unsuitable, please ask us if unsure.

Ring Seal Colours

EPDM ring seals are supplied as standard unless ordered otherwise.

Colour	Material	Temperature*	
		Min	Max
Black	EPDM	-50°C	100°C
Green	FPM	-20°C	200°C

* Maximum continuous temperatures.

For ring seal suitability with chemicals and other applications, please contact us for assessment.

This guide is only for standard applications.

For specific or specialised applications please contact us first - www.auspress.com.au

Ordering & Design

Stainless drainage pipe is available in different lengths (from 150mm to 6m) so choose the length closest to what is needed to reduce offcut waste.

Cut Pipe to Length

Cutting stainless drainage to length is easy with an appropriate cutter that:

- Is fitted with 'inox' blades designed to cold cut stainless,
- Clamps the pipe in position,
- Cuts the pipe square (with or without a guide) and,
- Forms a bevel to the spigot end of the pipe.

Approved cutting tools are listed below for reference - if in doubt, please contact us for advice.

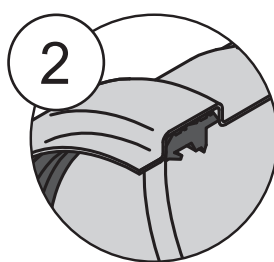
Pipes are supplied with a socket and a spigot end; cut off from the spigot end keeping the socket. Using offcut spigot-spigot pipe pieces is not recommended.

Note fittings are not to be cut.

Diameter:		50	75	110	160	200	250	315
Blucher	006.050.110	✓	✓	✓				
	800.050.160	✓	✓	✓	✓			
	006.125.200			✓	✓	✓		
	006.200.315					✓	✓	✓
Aco	419363	✓	✓	✓				
	419364	✓	✓	✓				
	400738			✓	✓			
	417228				✓	✓	✓	

Note: Using a guide or holder is recommended for diameters 160mm & larger.

2



Inspect the Ring Seal

In the socket, check that the rubber ring seal is:

- The correct material specified (by colour) and,
- With the mitred edges facing outwards and,
- Not damaged and is free of debris.

3

Lubricate the Ring Seal

Apply a small amount of joining lubricant to the ring seal inside the socket. We stock a silicon based lubricant.

Do not use oil or grease as a lubricant, this may damage the ring seal material.

4

Push, Twist & Pull

Using a slight twisting movement, push the spigot fully into the socket.

Then, retract 5-10mm to allow for expansion & contraction to occur within each socket. Marking the full insertion depth is a good method to see the distance retracted.

■ Pipe Lengths Socket - Spigot

Material: 316 stainless steel, mill finish.
 Ring Seal: EPDM x1 fitted.

Supplied in stainless steel, items identified with a green label are grade 316L.

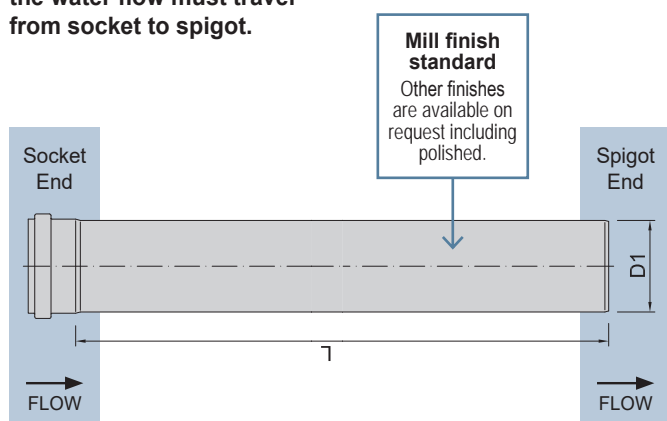
Each length of stainless drainage pipe is supplied with a socket (fitted with a rubber ring seal) and spigot end.

Ordered in various lengths to reduce offcut wastage then cut to length on site using an appropriate cutter.

The system is directional; the water flow must travel from socket to spigot.

An EPDM ring seal is pre-fitted in the socket end and can be change to another type of rubber type depending on chemicals or temperature requirements.

Our extensive technical experience is available to help with your individual project requirements or further information.



Refer to the technical section for installation guides & other reference information.

50 mm

75 mm

110 mm

160 mm

200 mm

250 mm

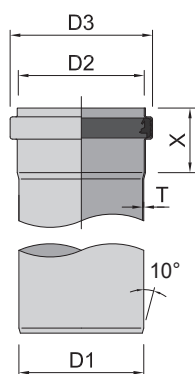
315 mm

Product No	L	D1	Weight (kg)	
			Dry	Wet †
AP.P.0150.050	150	50	0.2	0.5
AP.P.0250.050	250	50	0.4	0.8
AP.P.0500.050	500	50	0.7	1.5
AP.P.0750.050	750	50	1.0	2.3
AP.P.1000.050	1000	50	1.3	3.1
AP.P.1500.050	1500	50	1.9	4.2
AP.P.2000.050	2000	50	2.6	6.0
AP.P.3000.050	3000	50	3.8	9.0
AP.P.4000.050	4000	50	5.0	12.0
AP.P.0150.075	150	75	0.4	0.9
AP.P.0250.075	250	75	0.6	1.5
AP.P.0500.075	500	75	1.0	3.0
AP.P.0750.075	750	75	1.5	4.5
AP.P.1000.075	1000	75	2.0	6.0
AP.P.1500.075	1500	75	2.9	9.0
AP.P.2000.075	2000	75	3.6	12.1
AP.P.3000.075	3000	75	5.7	18.0
AP.P.4000.075	4000	75	7.6	24.1
AP.P.0150.110	150	110	0.6	1.8
AP.P.0250.110	250	110	0.9	3.0
AP.P.0500.110	500	110	1.5	6.0
AP.P.0750.110	750	110	2.2	8.9
AP.P.1000.110	1000	110	2.9	11.9
AP.P.1500.110	1500	110	4.3	17.8
AP.P.2000.110	2000	110	5.7	23.7
AP.P.3000.110	3000	110	8.4	35.6
AP.P.6000.110	6000	110	16.7	71.8
AP.P.0250.160	250	160	1.6	6.6
AP.P.0500.160	500	160	2.9	12.7
AP.P.0750.160	750	160	4.1	18.8
AP.P.1000.160	1000	160	5.4	25.0
AP.P.1500.160	1500	160	7.9	37.2
AP.P.2000.160	2000	160	10.4	49.5
AP.P.3000.160	3000	160	15.4	74.0
AP.P.6000.160	6000	160	30.4	147.6
AP.P.0500.200*	500	200	4.5	19.8
AP.P.1000.200*	1000	200	8.3	38.8
AP.P.2000.200*	2000	200	15.8	76.7
AP.P.3000.200*	3000	200	23.2	114.5
AP.P.0500.250*	500	250	5.5	29.8
AP.P.1000.250*	1000	250	10.2	58.4
AP.P.2000.250*	2000	250	19.4	115.5
AP.P.3000.250*	3000	250	28.7	172.7
AP.P.0500.315*	500	315	9.8	47.9
AP.P.1000.315*	1000	315	17.7	93.7
AP.P.2000.315*	2000	315	33.5	175.1
AP.P.3000.315*	3000	315	49.3	276.7

* Item available on request, lead time likely.

† Wet weights calculated using full volume filled with water.

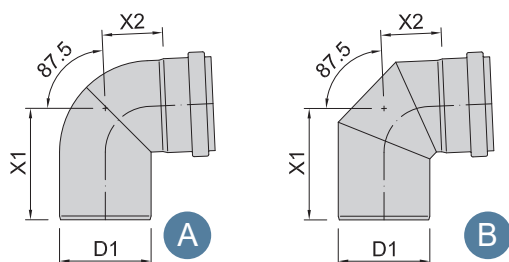
■ Socket & Spigot Details



		Insertion Depth				
D1	X	i	D2	D3	T	
50	42	32 - 37	51	62	1.0	
75	50	40 - 45	76	88	1.0	
110	57	47 - 52	111	126	1.0	
160	70	60 - 65	161	178	1.25	
200	80	70 - 75	201	219	1.5	
250	90	80 - 85	251	269	1.5	
315	100	90 - 95	316	334	2.0	

Retract 5-10mm after pushing together for expansion & contraction.

■ Bend 87.5° Socket - Spigot



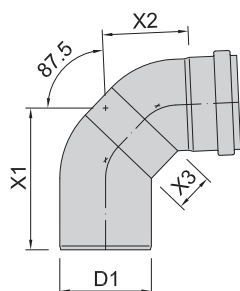
Material: 316 stainless steel, mill finish.

Ring Seal: EPDM x1 fitted.

Product No	D1	Image	X1	X2
AP.B.87.050	50	A	86	40
AP.B.87.075	75	A	107	53
AP.B.87.110	110	A	134	67
AP.B.87.160	160	A	181	105
AP.B.87.200*	200	B	215	129
AP.B.87.250*	250	B	297	198
AP.B.87.315*	315	B	393	286

* Item available on request, lead time likely.

■ Swept Bend 87.5° Socket - Spigot



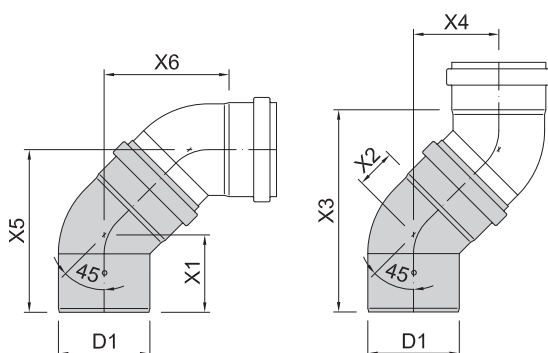
Material: 316 stainless steel, mill finish.

Ring Seal: EPDM x1 fitted.

Product No	D1	X1	X2	X3
AP.SB.87.050*	50	102	97	22
AP.SB.87.075*	75	128	126	30
AP.SB.87.110	110	173	160	46
AP.SB.87.160	160	229	224	75

* Item available on request, lead time likely.

■ Bend 45° Socket - Spigot



Double bend arrangements shown for offset dimensions only - each bend sold separately.

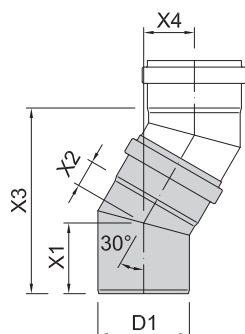
Material: 316 stainless steel, mill finish.

Ring Seal: EPDM x1 fitted.

Product No	D1	X1	X2	X3	X4	X5	X6
AP.B.45.050	50	62	24	157	68	130	95
AP.B.45.075	75	76	32	197	83	159	121
AP.B.45.110	110	93	42	243	103	195	150
AP.B.45.160	160	131	55	331	138	269	200
AP.B.45.200*	200	152	60	380	156	308	228
AP.B.45.250*	250	177	76	438	185	362	273
AP.B.45.315*	315	199	91	502	212	411	317

* Item available on request, lead time likely.

■ Bend 30° Socket - Spigot



Double bend arrangements shown for offset dimensions only - each bend sold separately.

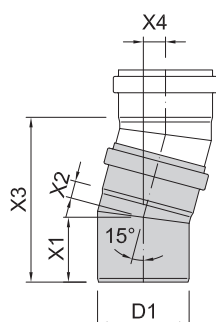
Material: 316 stainless steel, mill finish.

Ring Seal: EPDM x1 fitted.

Product No	D1	X1	X2	X3	X4
AP.B.30.050	50	57	16	138	37
AP.B.30.075*	75	71	21	172	45
AP.B.30.110	110	85	27	223	61
AP.B.30.160*	160	110	40	278	73
AP.B.30.200*	200	137	45	336	89
AP.B.30.250*	250	153	58	413	110
AP.B.30.315*	315	172	68	448	121

* Item available on request, lead time likely.

■ Bend 15° Socket - Spigot



Double bend arrangements shown for offset dimensions only - each bend sold separately.

Material: 316 stainless steel, mill finish.

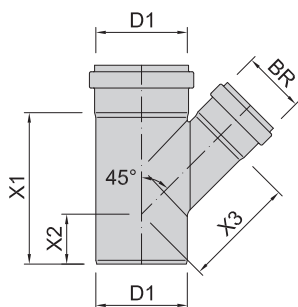
Ring Seal: EPDM x1 fitted.

Product No	D1	X1	X2	X3	X4
AP.B.15.050	50	54	12	134	18
AP.B.15.075	75	66	16	162	21
AP.B.15.110	110	78	15	198	26
AP.B.15.160	160	99	29	250	32
AP.B.15.200*	200	123	31	300	38
AP.B.15.250*	250	136	40	366	48
AP.B.15.315*	315	151	46	388	51

* Item available on request, lead time likely.

Single Junction 45°

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x2 fitted.

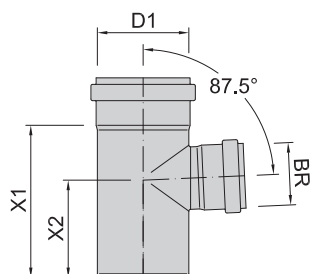


Product No	D1	BR	X1	X2	X3
AP.SJ.45.050	50	50	128	57	76
AP.SJ.45.075	75	75	179	74	110
AP.SJ.45.110	110	110	233	88	149
AP.SJ.45.160	160	160	332	119	222
AP.SJ.45.200*	200	200	415	151	274
AP.SJ.45.250*	250	250	513	172	336
AP.SJ.45.315*	315	315	616	195	521
AP.RJ.45.075.050	75	50	144	56	94
AP.RJ.45.110.050	110	50	147	42	119
AP.RJ.45.110.075	110	75	182	60	135
AP.RJ.45.160.110	160	110	332	119	191
AP.RJ.45.200.160*	200	160	359	123	250
AP.RJ.45.250.200*	250	200	429	175	307
AP.RJ.45.315.250*	315	250	518	154	382

* Item available on request, lead time likely.

Single Junction 87.5°

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x2 fitted.

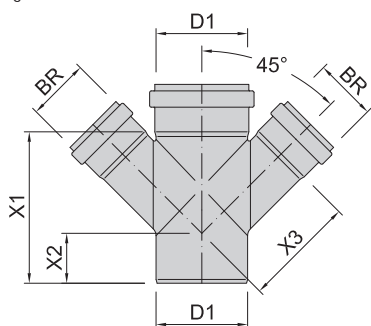


Product No	D1	BR	X1	X2
AP.SJ.87.050	50	50	106	71
AP.SJ.87.075	75	75	139	90
AP.SJ.87.110	110	110	183	117
AP.SJ.87.160	160	160	288	184
AP.SJ.87.200*	200	200	333	206
AP.SJ.87.250*	250	250	363	215
AP.SJ.87.315*	315	315	476	281
AP.RJ.87.075.050	75	50	139	90
AP.RJ.87.110.050	110	50	183	117
AP.RJ.87.110.075	110	75	183	117
AP.RJ.87.160.110	160	110	288	184
AP.RJ.87.200.160*	200	160	293	186
AP.RJ.87.250.200*	250	200	349	226
AP.RJ.87.315.250*	315	250	411	248

* Item available on request, lead time likely.

Double Junction 45°

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x3 fitted.

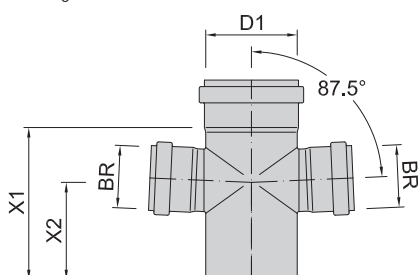


Product No	D1	BR	X1	X2	X3
AP.DJ.45.050*	50	50	128	57	76
AP.DJ.45.075*	75	75	179	74	110
AP.DJ.45.110*	110	110	233	88	149
AP.DJ.45.160*	160	160	332	119	222
AP.DRJ.45.075.050*	75	50	144	56	94
AP.DRJ.45.110.050*	110	50	147	42	119
AP.DRJ.45.110.075*	110	75	182	60	135
AP.DRJ.45.160.110*	160	110	332	119	190

* Item available on request, lead time likely.

Double Junction 87.5°

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x3 fitted.

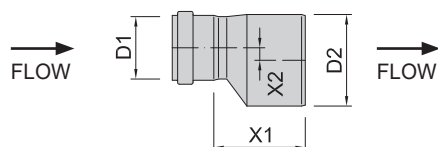


Product No	D1	BR	X1	X2
AP.DRJ.87.075.050*	75	50	139	90
AP.DRJ.87.110.050*	110	50	183	117
AP.DRJ.87.110.075*	110	75	183	117
AP.DRJ.87.160.110*	160	110	288	184

* Item available on request, lead time likely.

■ Increaser Eccentric Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted (D1).

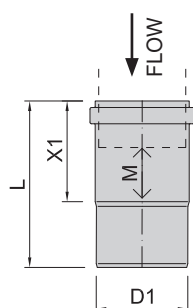


Product No	D1	D2	X1	X2
AP.IE.050.075	50	75	75	7
AP.IE.050.110	50	110	110	25
AP.IE.075.110	75	110	110	15
AP.IE.110.160	110	160	160	22
AP.IE.160.200*	160	200		
AP.IE.200.250*	200	250	180	15
AP.IE.250.315*	250	315	190	15

* Item available on request, lead time likely.

■ Expansion Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.



Product No	D1	L	X1	M
AP.ES.110*	110	200	121	74
AP.ES.160*	160	292	170	110

* Item available on request, lead time likely.

Although each socket is designed to allow some linear expansion & contraction, for greater movement (M) use the Expansion Socket.

Thermal expansion & contraction dimensions are available on request.

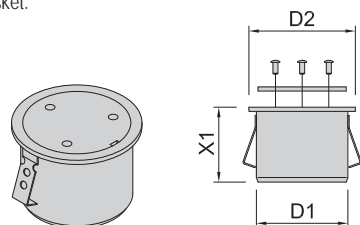
Installing?

Ensure the minimum insertion distance is marked on the incoming spigot prior to inserting.

■ Clearout (IP Cover)

Material: 316 stainless steel, polished top finish.
Lid seal: Neoprene gasket.

Polished 316 stainless steel top finish.
Allen head screws fitted standard.
Security screws are available on request.



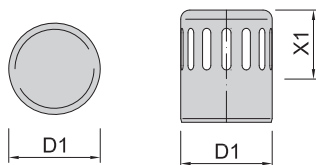
Product No	D1	D2	X1
AP.CO.110	110	128	90
AP.CO.160	160	180	100

■ Vent Cowl

Material: 316 stainless steel, mill finish.

Other diameters available on request.

Version for bushfire risk areas available on request.

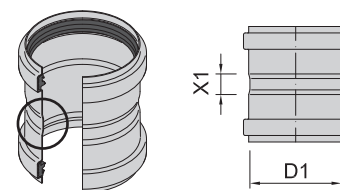


Product No	D1	X1	Slot
AP.VC.110	110	83	11x50

■ Straight Coupling Socket - Socket

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x2 fitted.

Straight coupling has centre stopper. Recommended vertical use only (to prevent debris catching on the outward lip).

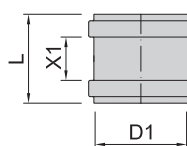


Product No	D1	X1
AP.SC.050	50	15
AP.SC.075	75	25
AP.SC.110	110	25
AP.SC.160	160	25
AP.SC.200*	200	
AP.SC.250*	250	
AP.SC.315*	315	

* Item available on request, lead time likely.

■ Repair Coupling Socket - Socket

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x2 fitted.



Designed with no centre stopper so the repair coupling can slide entirely over pipe for new fittings to be added and then slid back over the join.

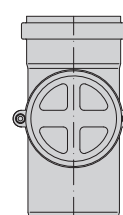
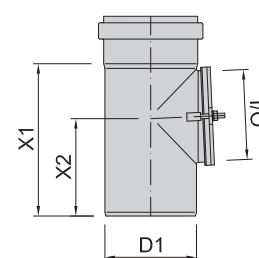
Mark min insertion depth on both spigots to ensure adequate insertion.

Product No	D1	L
AP.RC.050	50	89
AP.RC.075	75	96
AP.RC.110	110	102
AP.RC.160	160	131
AP.RC.200*	200	
AP.RC.250*	250	
AP.RC.315*	315	

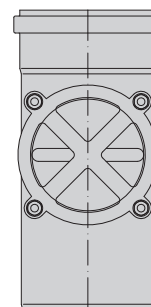
* Item available on request, lead time likely.

■ Access Pipe Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seals: EPDM x1 fitted, EPDM gasket x1.



AP.IP.110 elevation



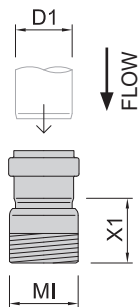
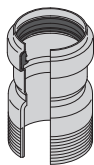
AP.AP.160 elevation

Product No	D1	X1	X2	I/O
AP.IP.075*	75	139	90	
AP.IP.110	110	183	117	110
AP.IP.160	160	288	184	160
AP.IP.200*	200	293	186	

* Item available on request, lead time likely.

MI Adaptor Socket > MI BSP

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.

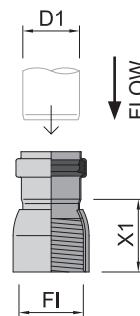
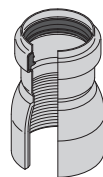


Product No	D1	MI BSP	X1
AP.MIS.050.032*	50	1.1/4"	58
AP.MIS.050.040	50	1.1/2"	58
AP.MIS.050.050	50	2"	58

* Item available on request, lead time likely.

FI Adaptor Socket > FI BSP

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.

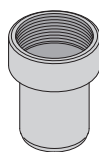


Product No	D1	FI BSP	X1
AP.FIS.050.032*	50	1.1/4"	58
AP.FIS.050.040	50	1.1/2"	58
AP.FIS.050.050	50	2"	58

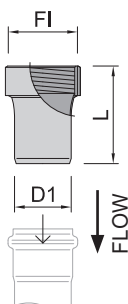
* Item available on request, lead time likely.

FI Adaptor FI BSP > Spigot

Material: 316 stainless steel, mill finish.



Commonly used for Plug & Waste sink connections.
Can be used with a P-Trap or S-Trap (sold separately).

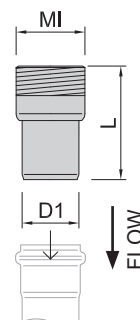
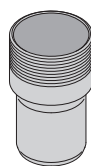


Product No	D1	FI BSP	L
AP.FI.050.032*	50	1.1/4"	72
AP.FI.050.040	50	1.1/2"	75
AP.FI.050.050	50	2"	80

* Item available on request, lead time likely.

MI Adaptor MI BSP > Spigot

Material: 316 stainless steel, mill finish.



Product No	D1	MI BSP	L
AP.MI.050.032*	50	1.1/4"	100
AP.MI.050.040*	50	1.1/2"	100
AP.MI.050.050	50	2"	100

* Item available on request, lead time likely.

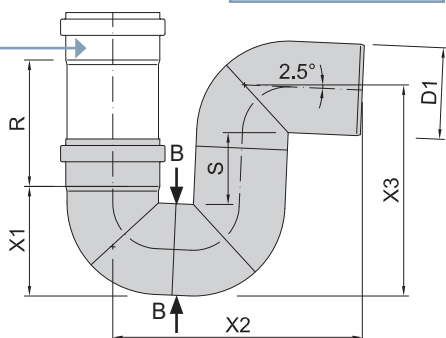
P-Trap Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.

Polished finish is available on request for exposed installations.

Riser Note:
A small vertical length may be required.
Riser length sold separately.

Support the P-Trap at the "B" arrow locations for suspended installations.



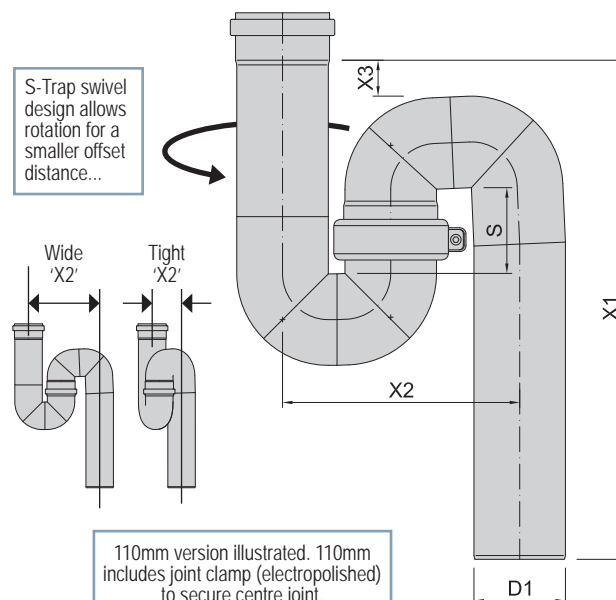
Product No	D1	X1	X2	X3	Flow max
AP.PT.050	50	68	187	149	1.7 L/sec
AP.PT.075	75	94	232	193	2.5 L/sec
AP.PT.110	110	132	300	254	3.4 L/sec
AP.PT.160	160	190	403	347	7.5 L/sec

Larger diameters are available on request.

S-Trap Swivel Socket - Spigot

Material: 316 stainless steel, electro-polished finish.
Ring Seals: EPDM fitted (50mm & 75mm x4, 110mm x2).

S-Trap swivel design allows rotation for a smaller offset distance...



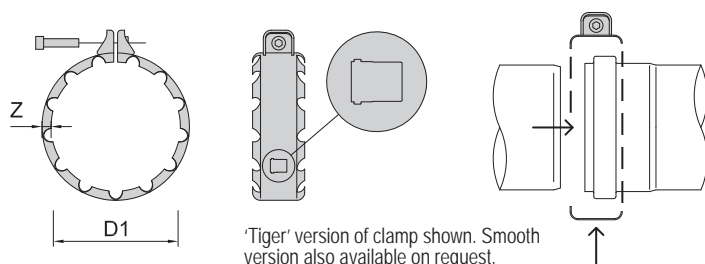
110mm version illustrated. 110mm includes joint clamp (electropolished) to secure centre joint.

Product No	D1	X1	X2	X3	Flow max
AP.ST.050	50	660	80-215	45	1.7 L/sec
AP.ST.075*	75	665	116-270	12	2.5 L/sec
AP.ST.110	110	600	135-280	43	3.4 L/sec

* Item available on request, lead time likely.
Larger diameters are available on request.

Socket Joint Clamp

Material: 316 stainless steel, mill finish.



Socket Clamps are only needed where possible pressures or force on a join could dislodge the spigot from the socket.

Joints without a clamp are rated up to positive 0.5 bar pressure. Fitting a clamp will increase this rating as listed.

Installing?

Fit the Socket Clamp over the bump of the socket (as shown dashed above) noting the correct direction...

- Small lip edge (fit over the socket),
- Large lip edge (fit over the spigot).

Pipe length shown for clarity, not included.

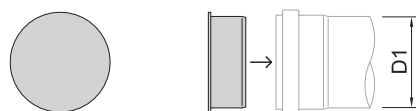
Working Pressures (bar)

Product No	D1	Without Clamp	With Clamp
AP.SCL.050	50	-0.8 to 0.5	-0.8 to 2.0
AP.SCL.075	75	-0.8 to 0.5	-0.8 to 2.0
AP.SCL.110	110	-0.8 to 0.5	-0.8 to 2.0
AP.SCL.160*	160	-0.8 to 0.5	-0.8 to 1.0
AP.SCL.200*	200	-0.8 to 0.5	-0.8 to 1.0
AP.SCL.250*	250	-0.8 to 0.5	-0.8 to 1.0
AP.SCL.315*	315	-0.8 to 0.5	-0.8 to 1.0

* Item available on request, lead time likely.

Socket Plug (Push-In)

Material: 316 stainless steel, mill finish.



Installing?

- Leave the ring seal in the pipe socket.
- Fully insert the plug into the socket.

If Socket Plug requires to be secured in place, refer to Socket Plug with Clamp as an alternative product.

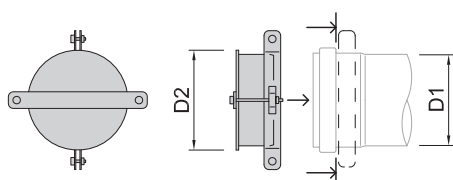
Pipe length shown for clarity, not included.

Product No	D1	D2
AP.SP.050	50	58
AP.SP.075	75	85
AP.SP.110	110	120
AP.SP.160	160	170
AP.SP.200*	200	210
AP.SP.250*	250	260
AP.SP.315*	315	325

* Item available on request, lead time likely.

Socket Plug with Clamp

Material: 316 stainless steel, mill finish.



Installing?

- Leave the ring seal in the pipe socket.
- Fully insert the plug into the pipe socket.
- Position the clamp behind the socket bump, as shown dashed.
- Tighten nuts x4 to secure

Pipe length shown for clarity, not included.

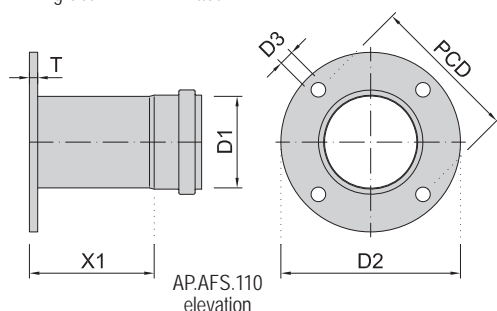
Product No	D1
AP.SPC.050	50
AP.SPC.075	75
AP.SPC.110	110
AP.SPC.160*	160
AP.SPC.200*	200
AP.SPC.250*	250
AP.SPC.315*	315

* Item available on request, lead time likely.

Adaptor Flange Socket - Flange

Material: 316 stainless steel, mill finish.

Ring Seal: EPDM x1 fitted.



Other flange types, spigot ends and diameters on request.

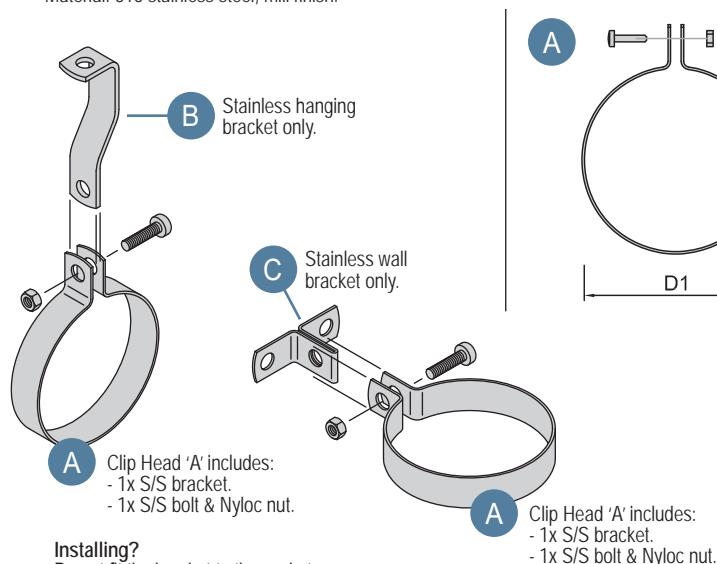
We manufacture Adaptor Flanges to suit the flange type and pipe length you require.

Product No	D1	Table	X1	T _{min}	D2	PCD	D3 x qty
AP.AFS.050*	50	E	140	10	150	114	18Ø x4
AP.AFS.075*	75	E	140	11	185	146	18Ø x4
AP.AFS.110*	110	E	140	13	215	178	18Ø x8
AP.AFS.160*	160	E	240	17	280	235	22Ø x8

* Item available on request, lead time likely. Confirm flange type at time of ordering. Flange table dimensions are in accordance with AS 2129.

■ Stainless Steel Brackets

Material: 316 stainless steel, mill finish.



Installing?

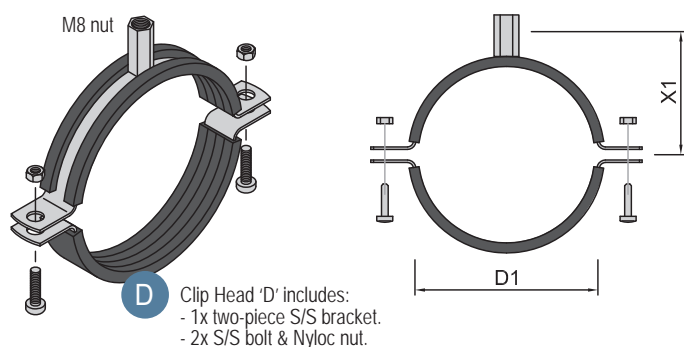
Do not fit the bracket to the socket part of the stainless pipe.

Separate stainless from other metals using rubber or inert liners.

Product No	Image	D1	X1	Thk
AP.CH.050	A	50	39	1.5
AP.CH.075	A	75	59	1.5
AP.CH.110	A	110	82	1.5
AP.CH.160	A	160	102	1.5
AP.CH.200	A	200	114	1.5
AP.CH.250	A	250	139	1.5
316.SB1	B	-	-	-
316.SB4	C	-	12-22	-

■ Stainless Steel Rubber Lined Brackets

Material: 316 stainless steel, mill finish. EPDM rubber lining.



Installing?

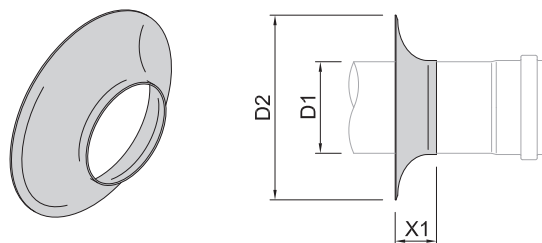
Do not fit the bracket to the socket part of the stainless pipe.

Product No	Image	D1	X1	Thk
316.PC.050	D	50	45	1.5
316.PC.075	D	75	58	1.5
316.PC.110	D	110	75	1.5
316.PC.160	D	160	100	1.5
316.PC.200*	D	200	120	1.5
316.PC.250*	D	250	145	1.5
316.PC.315*	D	315	178	1.5

* Item available on request, lead time likely.

■ Cover Flange (Escutcheon Plate)

Material: 316 stainless steel, spun finish.

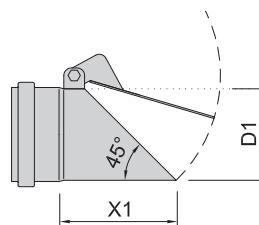


Product No	D1	D2	X1
AP.CF.050*	50	160	51
AP.CF.075*	75	185	51
AP.CF.110*	110	221	51
AP.CF.160*	160	270	51

Pipe length shown for clarity, not included.
 * Item available on request, lead time likely.

■ Vermin Flap Socket - Outlet

Material: 316 stainless steel, satin finish.
 Ring Seal: EPDM x1 fitted.



Swinging door prevents the ingress of vermin.

Installing?
 Install horizontally with the hinge tab at the top.

Product No	D1	X1
AP.VFS.050	50	75
AP.VFS.075*	75	100
AP.VFS.110	110	135
AP.VFS.160*	160	185

* Item available on request, lead time likely.

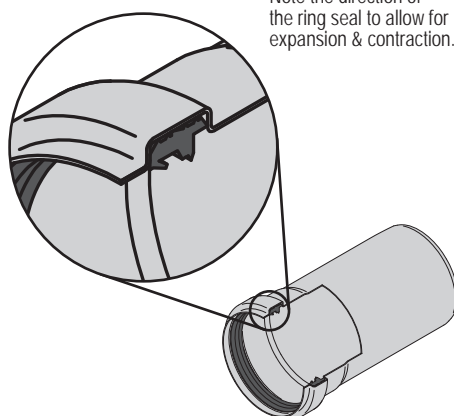
Ring Seals

Within the socket of each fitting and pipe length, an EPDM rubber ring seal is supplied fitted as standard.


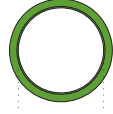
Note the orientation the ring seal is inserted into the socket - double seals facing into the socket, refer adjacent image...

For ring seal suitability with chemicals and other applications, please contact us for assessment.

Refer to our Technical Data Sheets for ring seal suitability and resistance.

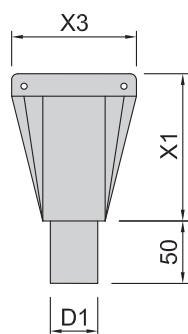
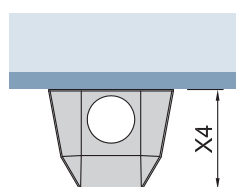
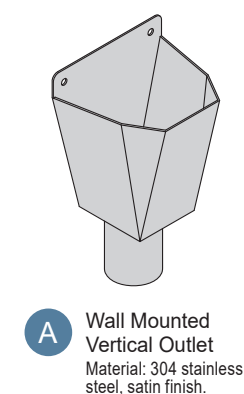


EPDM = Ethylene Propylene Diene Monomer
FPM = Fluoroelastomer is a material similar to Viton rubber.

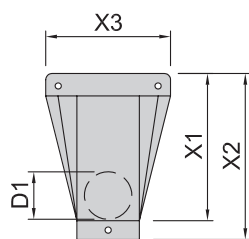
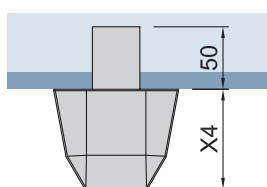
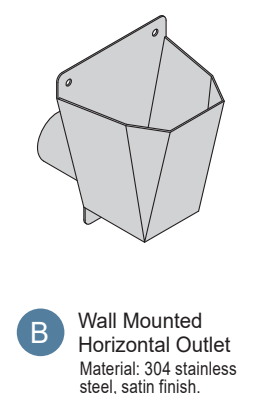
Type:	Supplied standard	Optional extra
	EPDM Standard	FPM Oil, Gas, High°C
	 D1 Black -50 to +100°C	 D1 Green -20 to +200°C
D1	Product No	Product No
50	AP.EPDM.050	AP.FPM.050
75	AP.EPDM.075	AP.FPM.075
110	AP.EPDM.110	AP.FPM.110
160	AP.EPDM.160	AP.FPM.160
200	AP.EPDM.200*	AP.FPM.200*
250	AP.EPDM.250*	AP.FPM.250*
315	AP.EPDM.315*	AP.FPM.315*

* Item available on request, lead time likely.

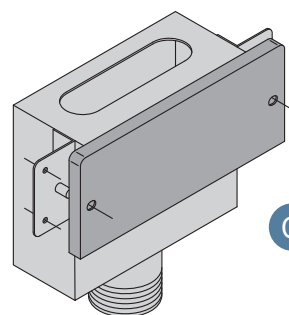
Tundish - Wall Mounted & In-Wall



Use a Copper-PVC adaptor to connect to spigot end.



Use a Copper-PVC adaptor to connect to spigot end.



Includes:
2x screws to affix cover.

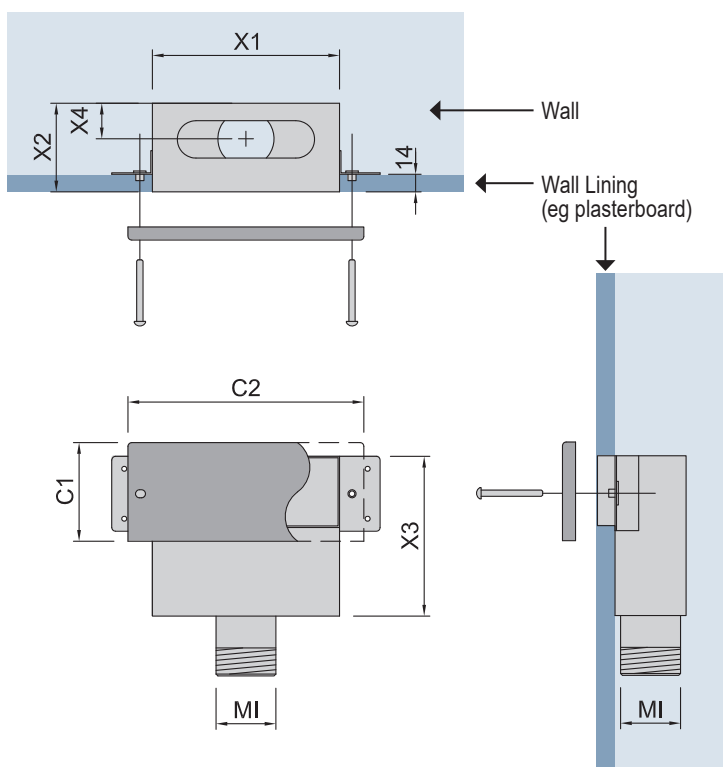


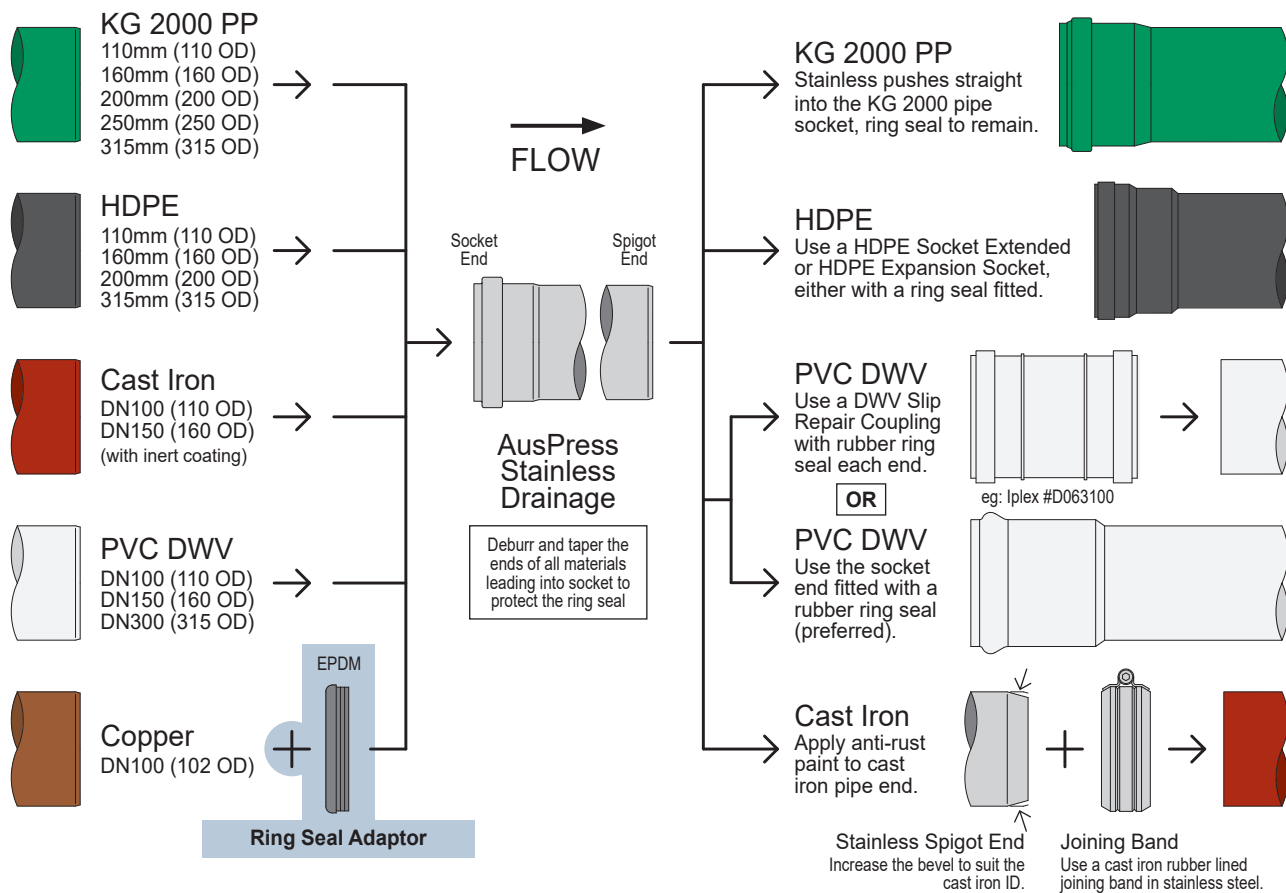
Image	Product No	D1/MI	X1	X2	X3	X4	C1	C2
A	WMT-5-BTM	38	120	-	100	80	-	-
B	WMT-5-BACK	38	120	135	100	80	-	-
C	TUN.INWL.BLU	1.1/2"	150	71	128	25	79	189

Joining Drainage To & From Other Materials

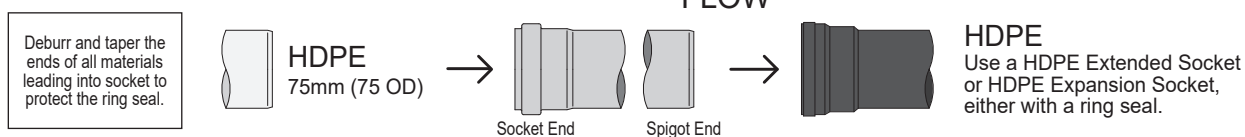
Confirm the materials are compatible with stainless steel and the rubber ring seal is lubricated (not with oil). **Remember to observe the flow rule when installing.** All items sold separately. Confirm with manufacturer suitability of non-AusPress products.

This is a guide only!
Read with the technical section and contact us for more information.

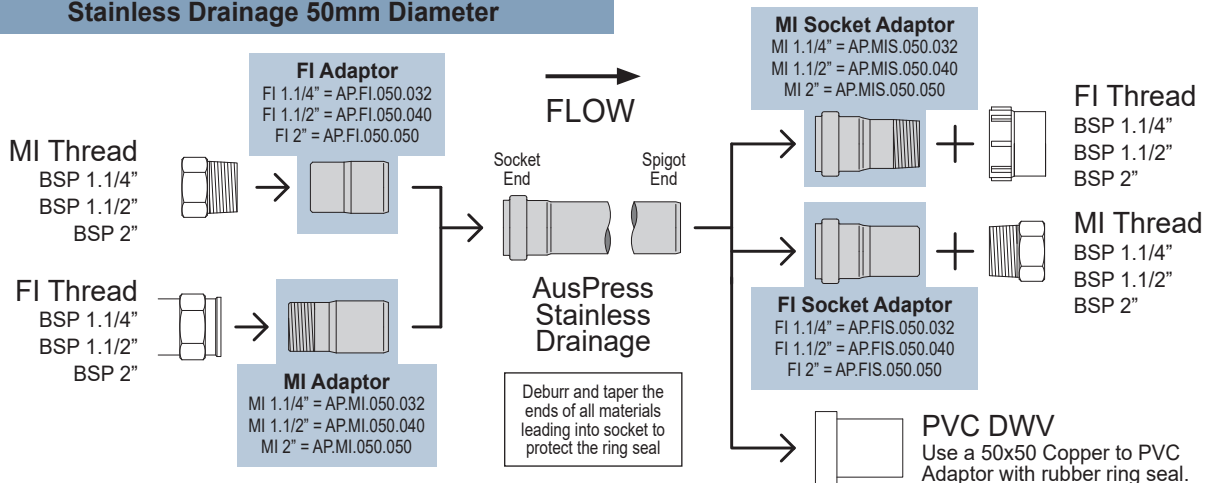
Stainless Drainage Diameters 110 - 315mm




Stainless Drainage 75mm Diameter






Stainless Drainage 50mm Diameter

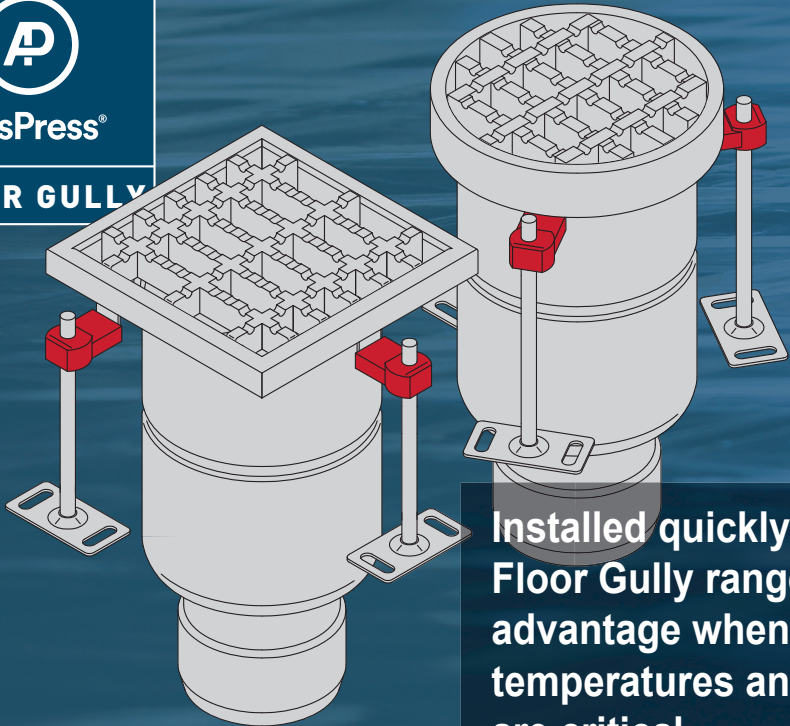




AusPress®

FLOOR GULLY



Installed quickly & easily, the Floor Gully range has the advantage when hygiene, high temperatures and performance are critical.



Partnering
with ACO



High
Load
Ratings



High
Temp
Suitable



Hygienic
Design

Hygienic Performance

- Self-draining internal design to prevent stagnant water pooling.
- Concrete, tiled, epoxy and vinyl sheet floor type suitable.
- Epoxy edge lip infill for strength and hygiene.
- HACCP & EHEDG approved.
- Removable internal components for easier cleaning.

Experience Counts

- We were the first to supply stainless drainage in Australia and New Zealand.
- We work with consultants and installers on specialised complex projects regularly.
- In-house design staff with local fabrication available for project requirements.

Quality to Install

- Square, round and vinyl lock top designs available & stocked.
- Approved to WaterMark, Australian and international standards.
- Easy adjust support legs standard with stabilising feet.
- Designed specifically for hygiene and easy cleaning.

Reliable Design

- With the strength and chemical resistance qualities of stainless steel.
- Range of grate options for pedestrian, forklift and truck load requirements.

Environmental Choice

- Long service life.
- Closed loop material (completely recycled to make more stainless).

Specification Guide

AusPress supply the Floor Gully range as individual components where depending on the application, the selected accessories are designed to fit within the drain bowl.

Accessories include the grate type, filter baskets, secondary strainers and a removable water trap (fowl air trap).

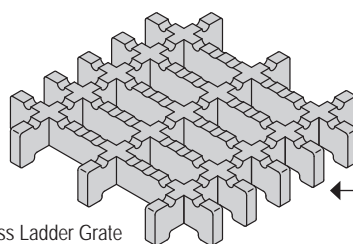
These accessories are easily removed for cleaning individually and the drain bowl itself.

A summary is adjacent with specific details for all the drain bowl types on the following pages.

Start here

Follow the numbers to check if each is needed...

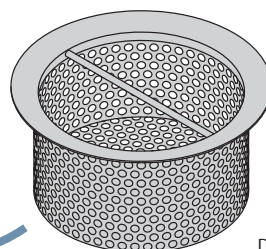
When ordering: Each accessory (including the drain bowl) has a separate product number.



Frameless Ladder Grate shown. Fully welded for strength and no places for bacteria to hide.

1 Grates

A range of grate types are stocked to suit various load, slip & flow ratings. Options listed page 9.



Standard height Basket (use in a standard height Drain Bowl with or without a FAT).

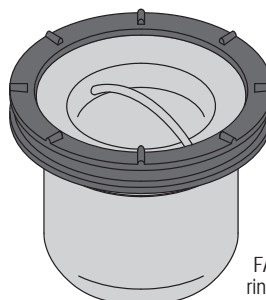
2 Filter Baskets

We stock standard height, extended height and silt baskets with 3mm mesh in accordance with local requirements.

Extended Height Filter Basket (use in standard height Drain Bowl without a FAT).

Dry Silt Trap Basket (use in standard height Drain Bowl without a FAT).

or

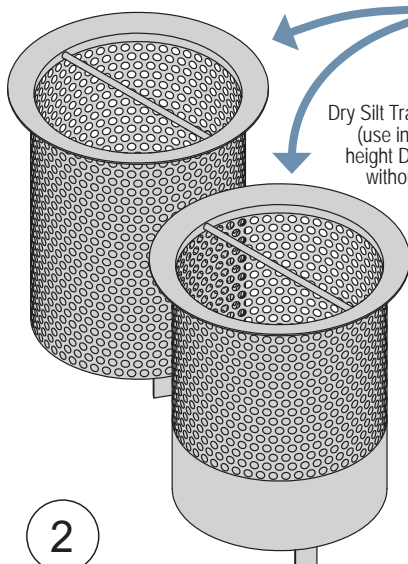


FAT with NBR seal ring - removable for easier cleaning.

3 Fowl Air Trap (FAT)

This optional accessory creates a water seal but unlike a P-Trap, this can be removed to access the pipework beyond for cleaning.

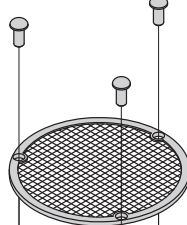
Use in a standard height Drain Bowl with a standard Filter Basket. Can be used with or without a P-Trap.



2

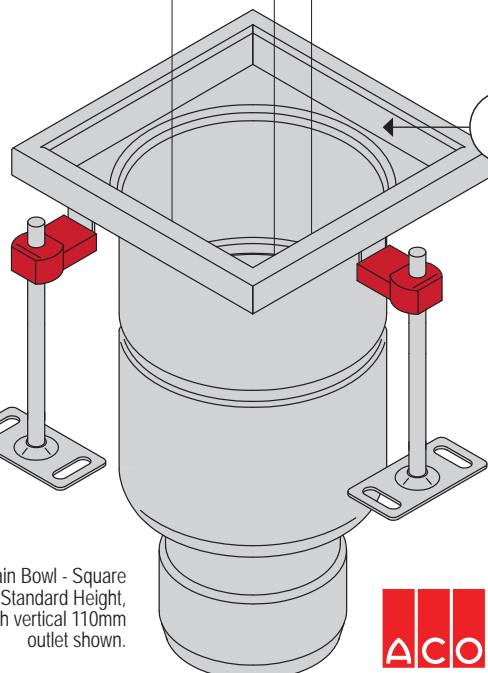
Extended Height Baskets

We stock Filter Baskets and Silt Trap Baskets in 'extended' versions for greater capacity, occupying the full height of standard height Drain Bowls.



4 Secondary Strainer

Security screw fixed in place above the outlet, this option is a requirement in most local authority approvals.



Concrete levelling and fixing legs standard.

Drain Bowl - Square Top, Standard Height, with vertical 110mm outlet shown.

5 Drain Bowl

Hygienic smooth finish design with no laps, cavities or joins & stocked in 316 stainless steel standard.

The 110mm or 160mm spigot outlets connect to a range of drainage pipework including stainless drainage, HDPE and KG2000 PP drainage.

This guide is only for standard applications.

For specific or specialised applications please contact us first - www.auspress.com.au



Need WaterMark or Supermarket Approved Spec?

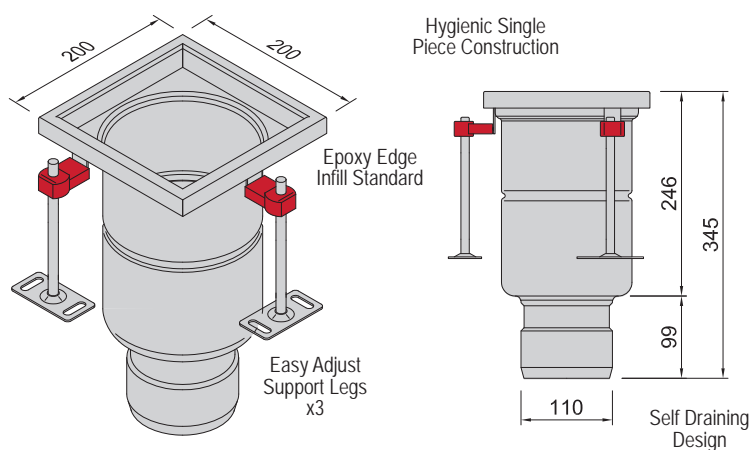
We can help spec with options for leading national supermarkets.

Items with WaterMark approval are notated with a WM in this catalogue.



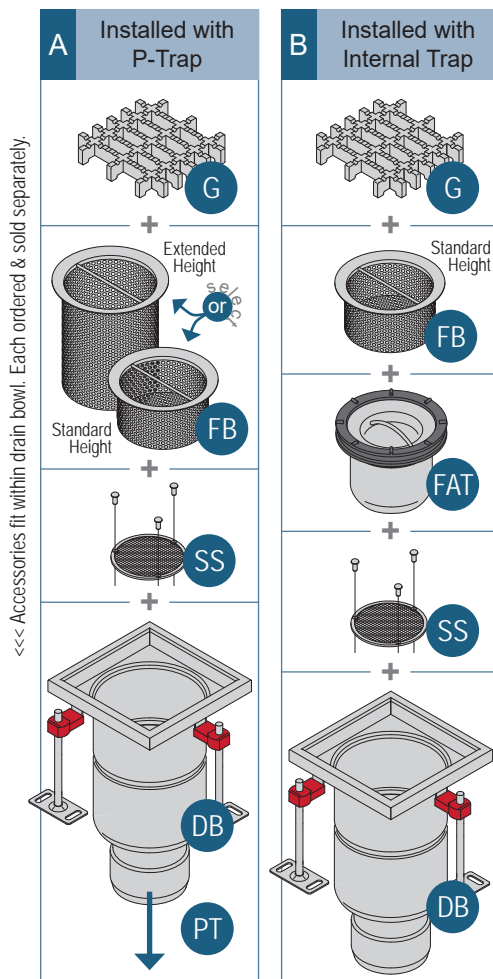
200**Drain Bowl 200 Square, Standard Height, 110-V Outlet**

Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.

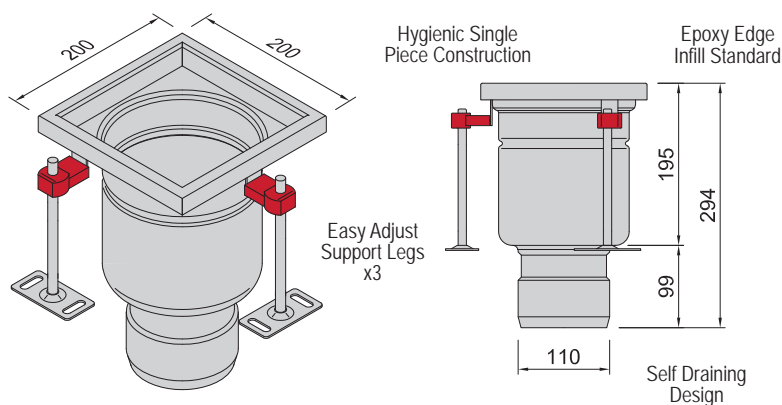


Ref	Item	Product No	Notes
G	Grate	See 'G2.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB2.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB2.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB2.200.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT2.KIT	Flow Rate [‡] : 3.5 L/sec
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB2.SQS.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [‡] : 3.5 L/sec

[‡] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

**200****Drain Bowl 200 Square, Low Height, 110-V Outlet**

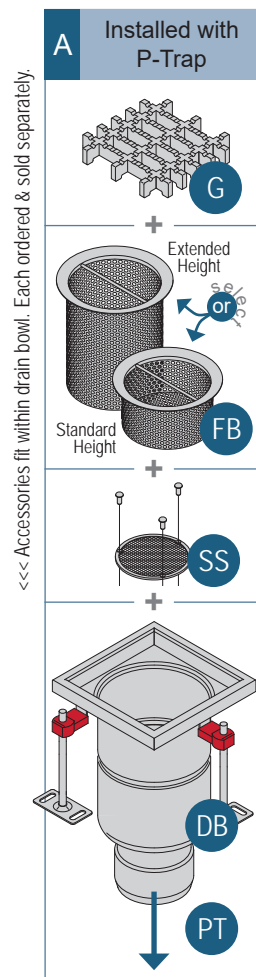
Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.



Note: A 'FAT' cannot be used with this drain.

Ref	Item	Product No	Notes
G	Grate	See 'G2.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB2.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB2.200.03	3mm aperture
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB2.SQL.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [‡] : 3.5 L/sec

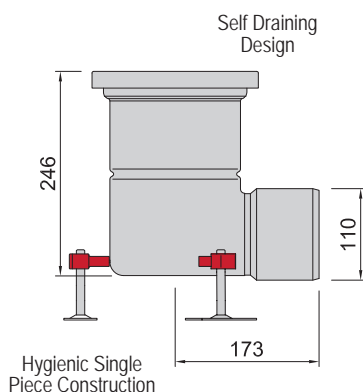
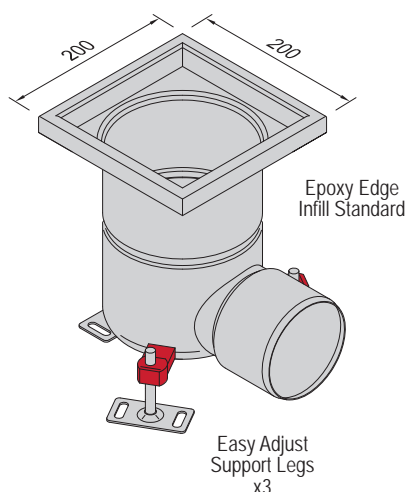
[‡] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.



200

Drain Bowl 200 Square, Standard Height, 110-H Outlet

Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.



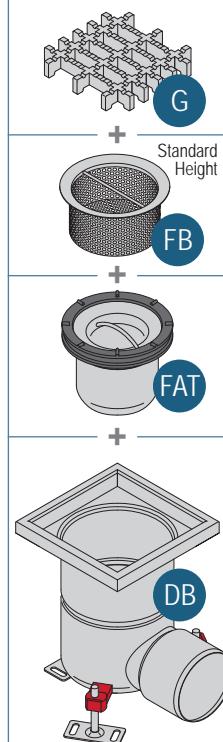
Note: Both a Filter Basket and a 'FAT' must be used with this drain.

Ref	Item	Product No	Notes
G	Grate	See 'G2.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB2.075.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT2.KIT	Flow Rate [†] : 3.5 L/sec
DB	Drain Bowl ^{WM}	AD.DB2.SQS.110H	

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

B Installed with Internal Trap

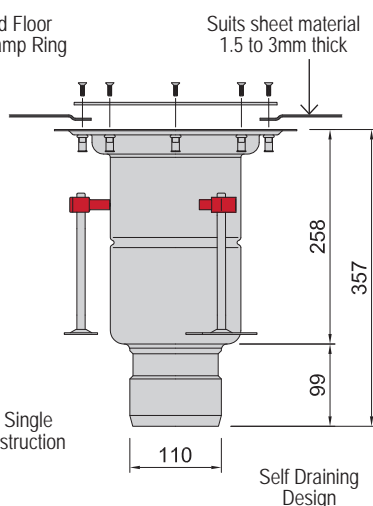
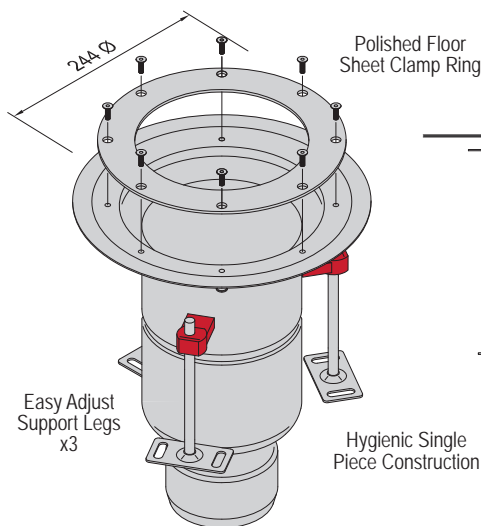
<<< Accessories fit within drain bowl. Each ordered & sold separately.



200

Drain Bowl 200 Vinyl, Standard Height, 110-V Outlet

Material: 316L stainless steel body, Vinyl lock ring top.
Top: Round vinyl lock top sheet floor finishes 1.5 - 3mm thick.

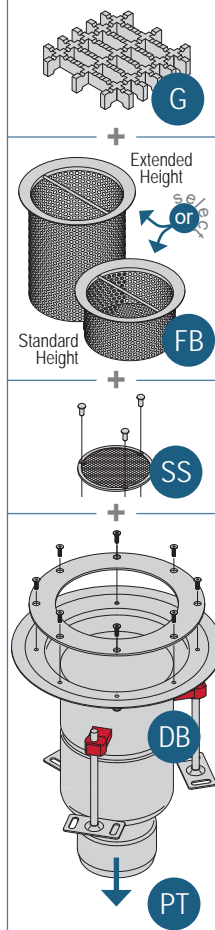


Ref	Item	Product No	Notes
G	Grate	See 'G2.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB2.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB2.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB2.200.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT2.KIT	Flow Rate [†] : 3.5 L/sec
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB2.VLS.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [†] : 3.5 L/sec

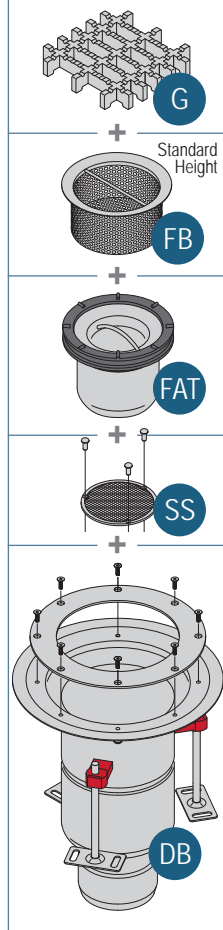
[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

A Installed with P-Trap

<<< Accessories fit within drain bowl. Each ordered & sold separately.

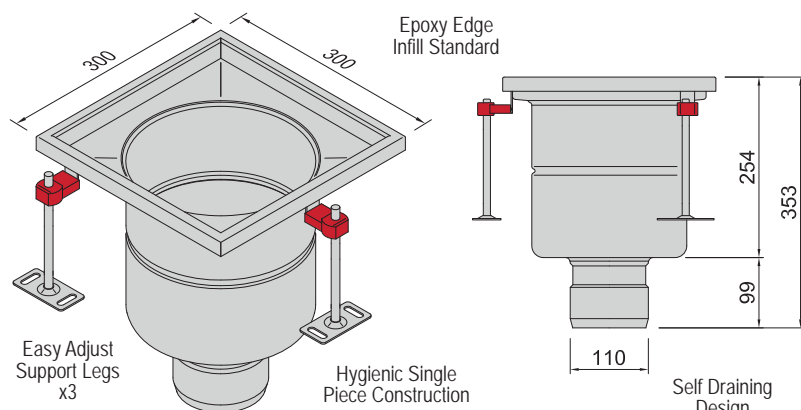


B Installed with Internal Trap



**300****Drain Bowl 300 Square, Standard Height, 110-V Outlet**

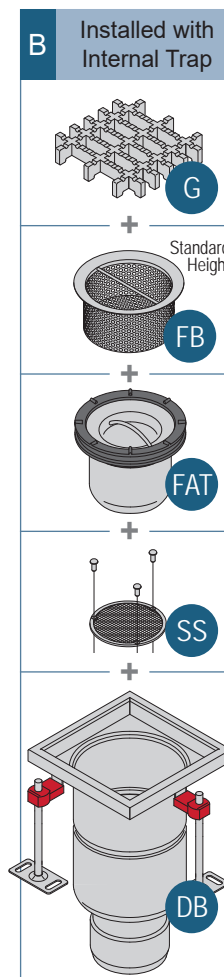
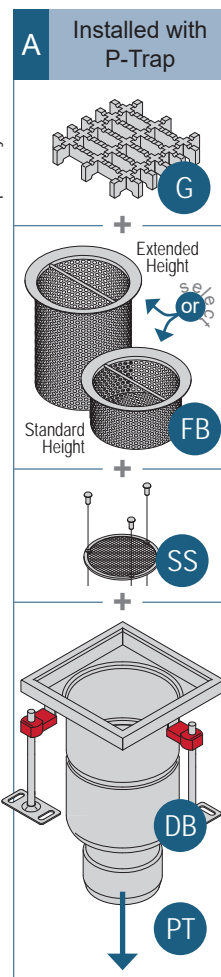
Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.



Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB3.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB3.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB3.200.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT3.KIT	Flow Rate [†] : 4.6 L/sec
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB3.SQS.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [†] : 3.5 L/sec

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

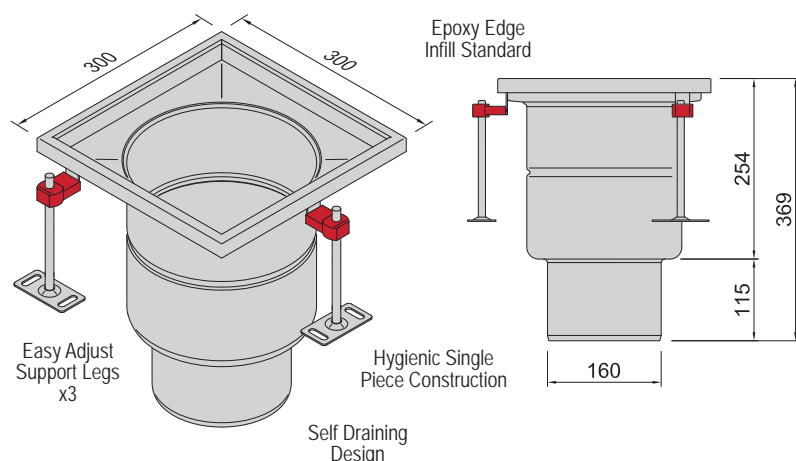
<<< Accessories fit within drain bowl. Each ordered & sold separately.



AusPress® Drainage
FLOOR GULLY

300**Drain Bowl 300 Square, Standard Height, 160-V Outlet**

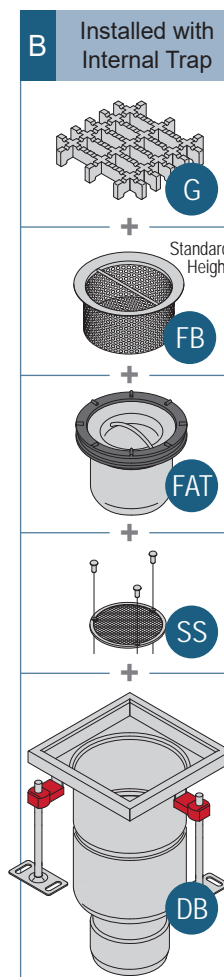
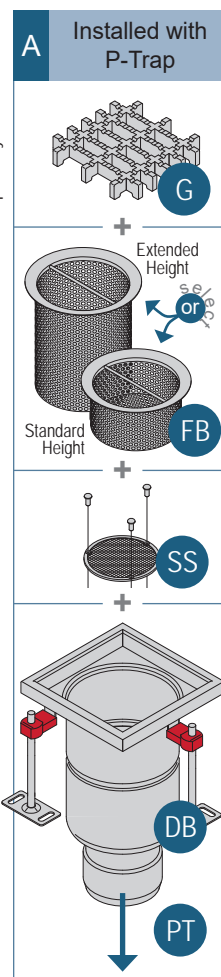
Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.



Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB3.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB3.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB3.200.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT3.KIT	Flow Rate [†] : 4.6 L/sec
SS	Secondary Strainer Kit	AD.SSK.160.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB3.SQS.160V	
PT	P-Trap ^{WM}	AP.PT.160	Flow Rate [†] : 7.5 L/sec

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

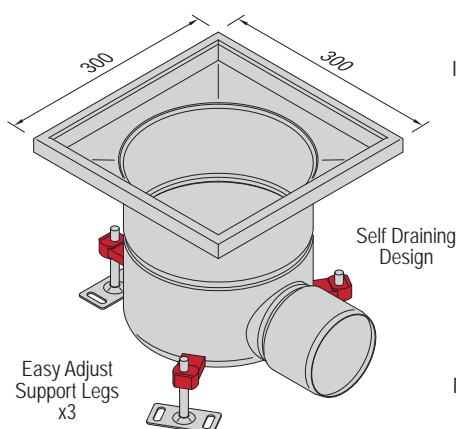
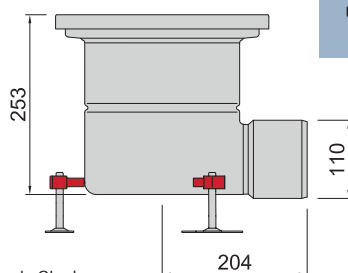
<<< Accessories fit within drain bowl. Each ordered & sold separately.



300

Drain Bowl 300 Square, Standard Height, 110-H Outlet

Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.


Epoxy Edge
Infill Standard

Hygienic Single
Piece Construction

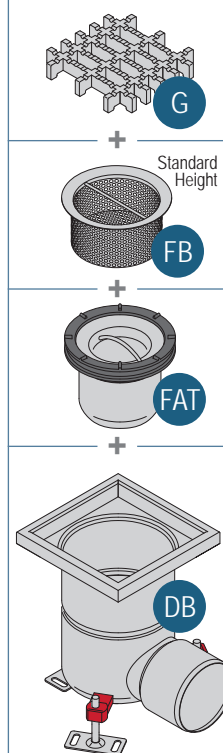
Note: Both a
Standard Filter
Basket and a
'FAT' must be
used with this
drain.

Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB3.075.03	3mm aperture
FAT	Removable Foul Air Trap (FAT) ^{WM}	AD.FAT3.KIT	Flow Rate [†] : 4.6 L/sec
DB	Drain Bowl ^{WM}	AD.DB3.SQS.110H	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [†] : 3.5 L/sec

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

B Installed with Internal Trap

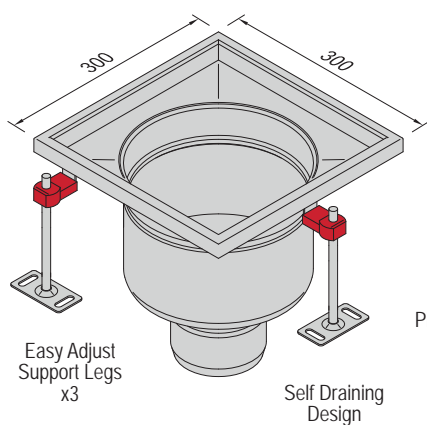
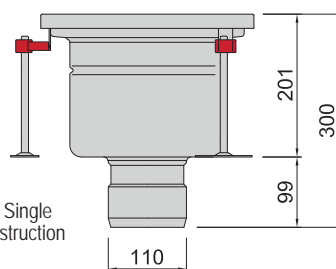
<<< Accessories fit within drain bowl. Each ordered & sold separately.



300

Drain Bowl 300 Square, Low Height, 110-V Outlet

Material: 316L stainless steel body, epoxy infill hygienic & strong top edge.
Top: Square top for concrete, tiled or epoxy floor finishes.


Epoxy Edge
Infill Standard

Hygienic Single
Piece Construction

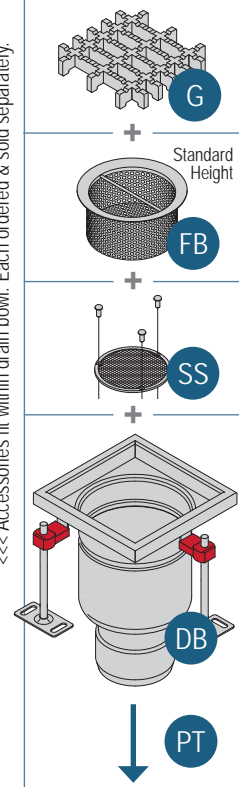
Note: The 'FAT' and/or
Extended Filter Basket
cannot be used with this
drain.

Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB3.075.03	3mm aperture
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB3.SQL.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [†] : 3.6 L/sec

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

A Installed with P-Trap

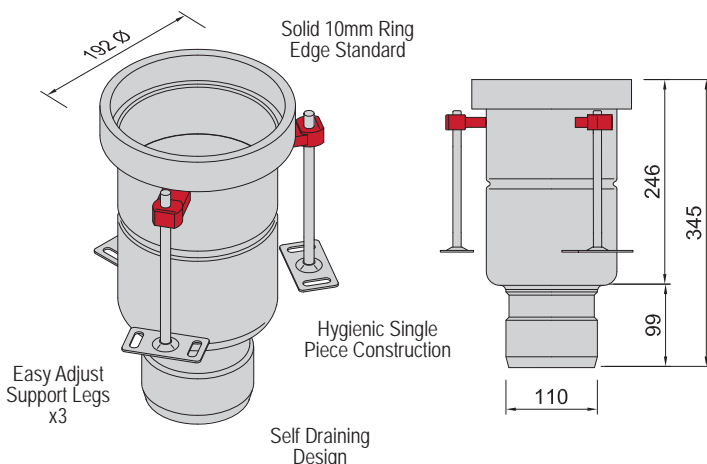
<<< Accessories fit within drain bowl. Each ordered & sold separately.



200

Drain Bowl 200 Round, Standard Height, 110-V Outlet

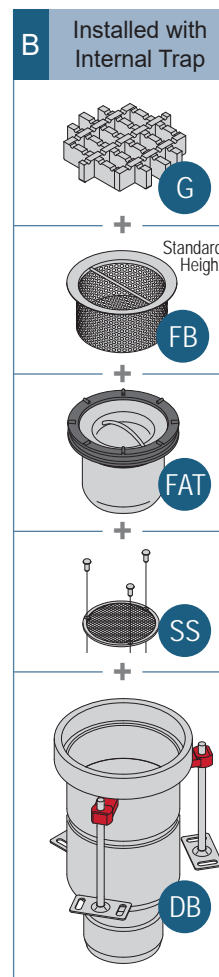
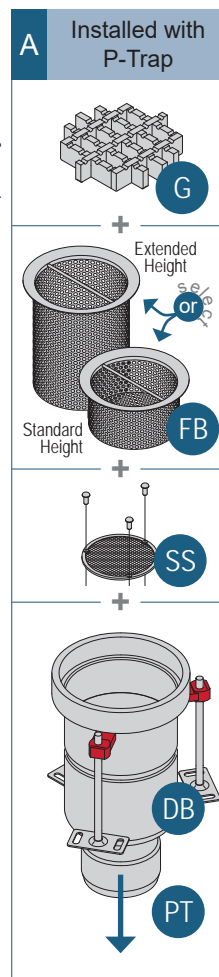
Material: 316L stainless steel body, solid stainless 10mm top edge.
Top: Round top for concrete or epoxy floor finishes.



Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB2.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB2.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB2.200.03	3mm aperture
FAT	Removable Trap (FAT) ^{WM}	AD.FAT2.KIT	Flow Rate [‡] : 3.6 L/sec
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB2.RDS.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [‡] : 3.5 L/sec

[‡] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

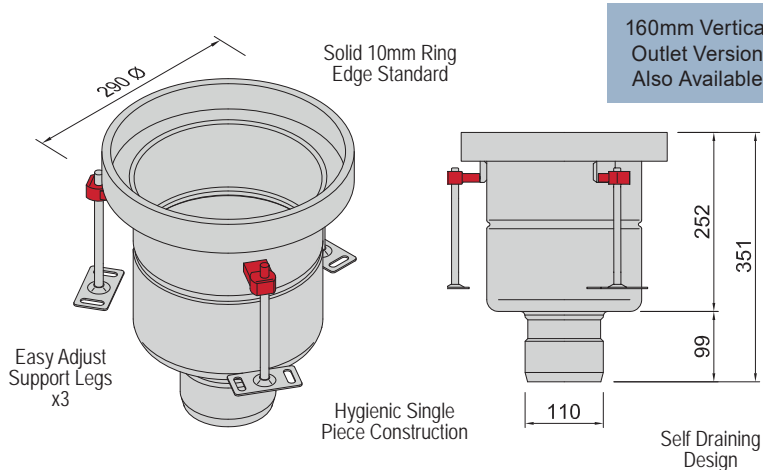
<<< Accessories fit within drain bowl. Each ordered & sold separately.



300

Drain Bowl 300 Round, Standard Height, 110-V Outlet

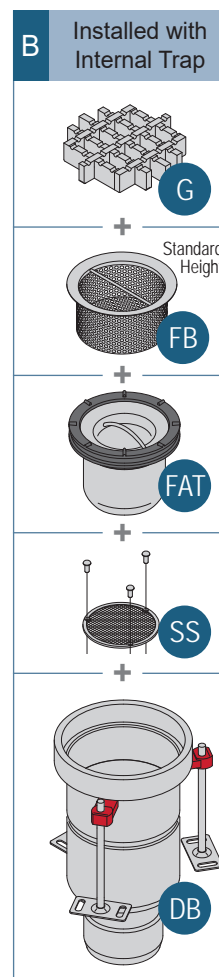
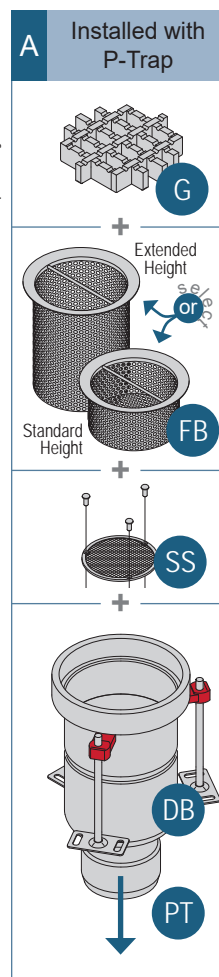
Material: 316L stainless steel body, solid stainless 10mm top edge.
Top: Round top for concrete or epoxy floor finishes.



Ref	Item	Product No	Notes
G	Grate	See 'G3.SQ' grate options page AD9.	
FB	Filter Basket (Standard)	AD.FB3.075.03	3mm aperture
FBX	Filter Basket (Extended)	AD.FB3.200.03	3mm aperture
SB	Silt Basket (Solid Bottom)	AD.SB3.200.03	3mm aperture
FAT	Removable Trap (FAT) ^{WM}	AD.FAT3.KIT	Flow Rate [‡] : 4.6 L/sec
SS	Secondary Strainer Kit	AD.SSK.110.03	3mm aperture
DB	Drain Bowl ^{WM}	AD.DB3.RDS.110V	
PT	P-Trap ^{WM}	AP.PT.110	Flow Rate [‡] : 3.6 L/sec

[‡] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.
^{WM} Item approved as part of a WaterMark approved assembly.

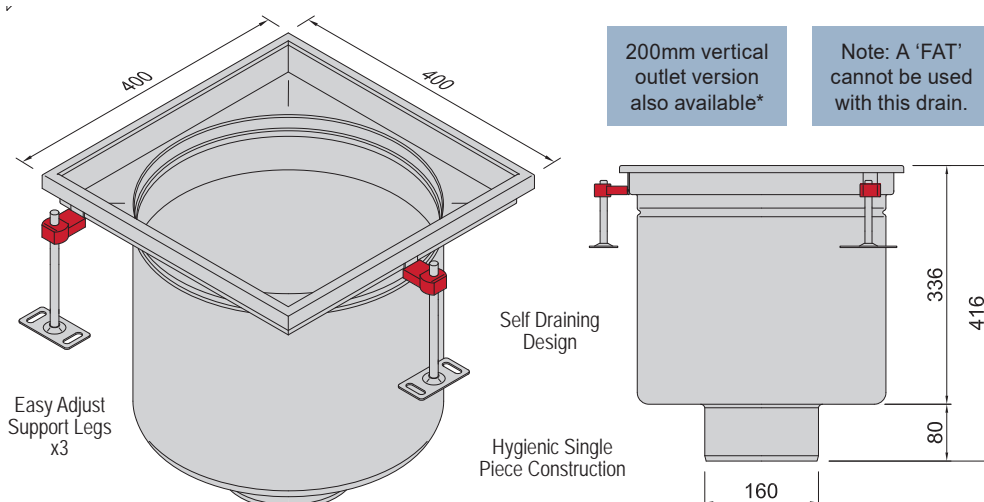
<<< Accessories fit within drain bowl. Each ordered & sold separately.



**400
XL**

Drain Bowl 400 Square, Standard Height, 160-V Outlet

Material: 316L stainless steel body.
Top: Square top for concrete, tiled or epoxy floor finishes.

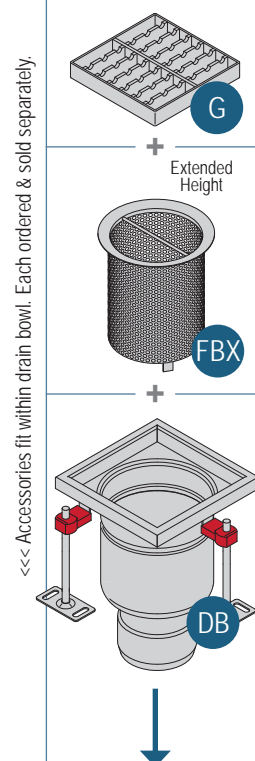


Ref	Item	Product No	Notes
G	Grate	See 'G4.SQ' grate options page AD9.	
FBX	Filter Basket (Extended)	AD.FB4.260.03*	
SS	Secondary Strainer Kit	AD.SSK.160.03	3mm aperture
DB	Drain Bowl	AD.DB4.SQS.160V*	Flow Rate [†] : 10.0 L/sec
PT	P-Trap	AP.PT.160	Flow Rate [†] : 7.5 L/sec
45B	45° Bend 160mm	AP.B.45.160	

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.

* Item available on request, lead time likely.

A Installed with P-Trap


**600
XL**

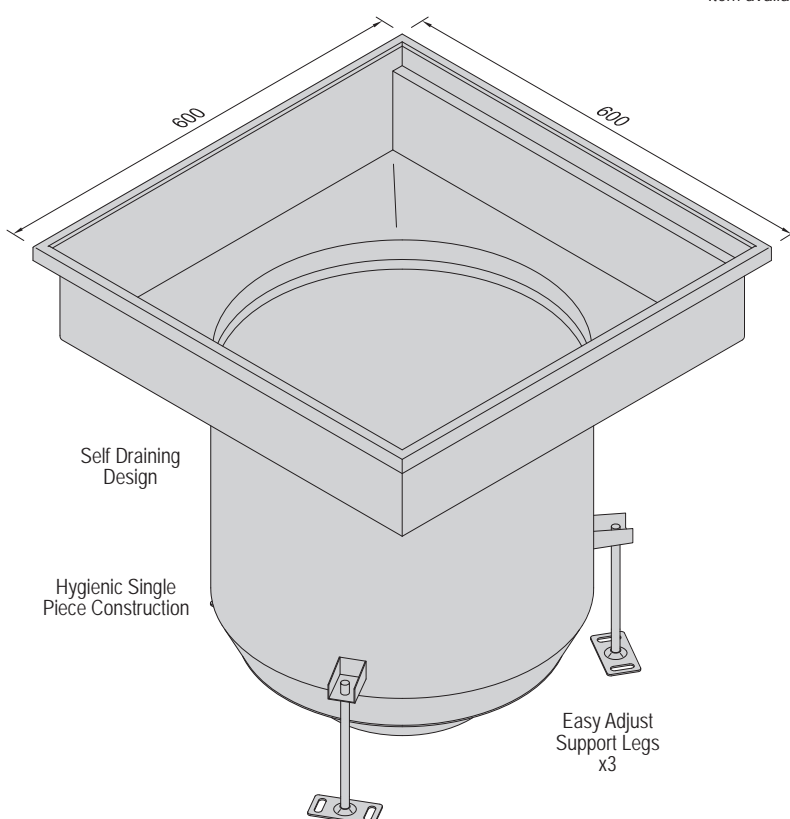
Drain Bowl 600 Square, Standard Height, 200-V Outlet

Material: 316L stainless steel body.
Top: Square top for concrete, tiled or epoxy floor finishes.

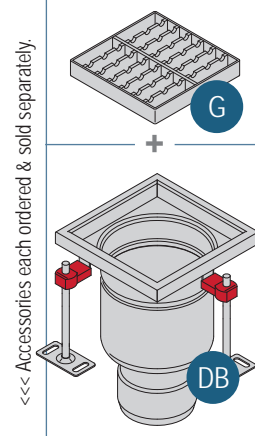
Ref	Item	Product No	Notes
G	Ladder Grate (568x284mm)	AD.G6.SQ.L12*	2x required per Drain Bowl.
DB	Drain Bowl	AD.DB6.SQS.200V*	Flow Rate [†] : ~60.0 L/sec

[†] Max rate based on a continuous flow of water in clean conditions. Accessories may reduce flow further.

* Item available on request, lead time likely.



A High Volume Option

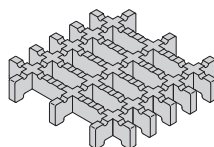


200**G2.SQ Grate Options**

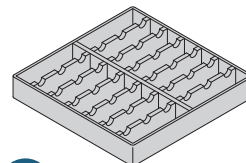
168x168mm for 200 Square Top Drain Bowls

Style	Load [†]	Product No
FL	12,500	AD.G2.SQ.FL
L	5,000	AD.G2.SQ.L5
L	12,500	AD.G2.SQ.L12 (with anti-tilt)
M	1,500	AD.G2.SQ.M
C	5,000	AD.G2.SQ.C
S	5,000	AD.G2.SQ.S*
W	1,500	AD.G2.SQ.W
GTS	5,000	AD.G2.SQ.GTS
GTP	5,000	AD.G2.SQ.GTP*

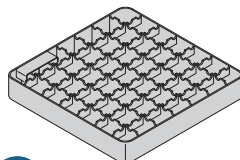
* Item available on request, lead time likely.



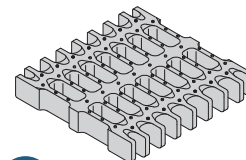
FL Frameless Ladder Hygiene Grate
Material: 316 stainless steel.
Finish: Electropolished.



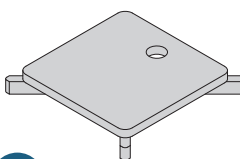
L Ladder Grate (L12 shown)
Material: 316 stainless steel.
Finish: Mill finish.



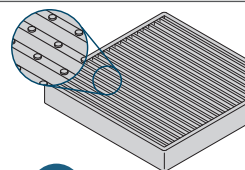
M Mesh Grate
Material: 316 stainless steel.
Finish: Electropolished.



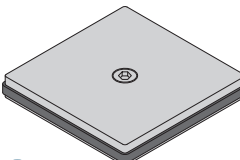
C Cast Hygiene Stainless Grate
Material: 304 stainless steel.
Finish: Smooth cast finish.



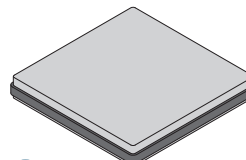
S Slot Grate
Material: 316 stainless steel.
Finish: Polished top.



W Wedge Wire Grate
Material: 316 stainless steel.
Finish: Grip dimples.



GTS Gas Tight Screw Cover
Material: 316 stainless & EPDM edge and base gaskets.
Finish: Polished top.
Note: Lubricate seal before fitting.
Lifting Key to Remove?
Order a AD.KEY (sold separately)



GTP Gas Tight Plain Cover
Material: 316 stainless & EPDM edge and base gaskets.
Finish: Polished top.
Note: Lubricate seal before fitting.

400 XL**G4.SQ Grate Options**

368x368mm for 400 Square Top Drain Bowls

Style	Load [†]	Product No
L	5,000	AD.G4.SQ.L*
M	1,500	AD.G4.SQ.M*

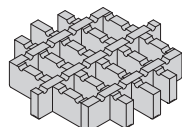
* Item available on request, lead time likely.

200**G2.RD Grate Options**

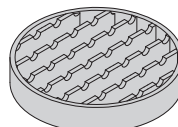
Ø170mm for 200 Round & Vinyl Lock Drain Bowls

Style	Load [†]	Product No
FL	12,500	AD.G2.RD.FL
C	7,000	AD.G2.RD.C
L	5,000	AD.G2.RD.L5
L	12,500	AD.G2.RD.L12* (with anti-tilt)
M	1,500	AD.G2.RD.M
GTS	5,000	AD.G2.RD.GTS [‡]
GTP	5,000	AD.G2.RD.GTP* [‡]
W	1,500	AD.G2.RD.W

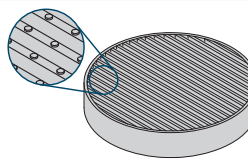
* Item available on request, lead time likely.

[‡] Item not suitable for vinyl lock drain types.

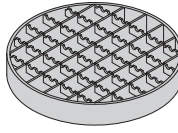
FL Frameless Ladder Hygiene Grate
Material: 316 stainless steel.
Finish: Electropolished.



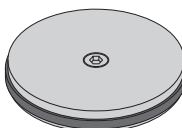
L Ladder Grate (L12 shown)
Material: 316 stainless steel.
Finish: Mill finish.



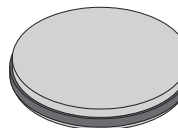
W Wedge Wire Grate
Material: 316 stainless steel.
Finish: Electropolished.



M Mesh Grate
Material: 316 stainless steel.
Finish: Electropolished.



GTS Gas Tight Cover - Screw
Material: 316 stainless & EPDM.
Finish: Mill finish.
Note: Lubricate seal before fitting.
Lifting Key to Remove?
Order a AD.KEY (sold separately)



GTP Gas Tight Cover - Plain
Material: 316 stainless & EPDM.
Finish: Polished top.
Note: Lubricate seal before fitting.

300**G3.RD Grate Options**

Ø268mm for 300 Round Drain Bowls

Style	Load [†]	Product No
FL	12,500	AD.G3.RD.FL
C	5,000	AD.G3.RD.C
L	5,000	AD.G3.RD.L5
GTS	5,000	AD.G3.RD.GTS
GTP	5,000	AD.G3.RD.GTP*
M	1,000	AD.G3.RD.M
W	1,500	AD.G3.RD.W*

* Item available on request, lead time likely.

[†] Load ratings to EN1253 testing in kilograms (kg). Lesser values for solid wheel and moving wheel loads.
Slip ratings tested to EN13036.

Check the individual drain bowl page for suitability as not all accessories shown fit all drain bowl types.

200

200

200

Items below for '200' Drain Bowls

300

300

Items below for '300' size Drain Bowls

Filter Basket Options

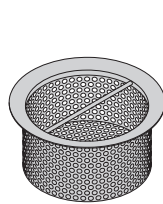
Material: 316 stainless steel.

Why Use a Filter Basket?

The mesh of the Filter Basket prevents solids in wash down waters from passing and possibly blocking the drainage beyond so this material can be disposed of appropriately.

Retaining Chain?

We can fix the basket to the drain bowl to prevent the basket being thrown away.



FB

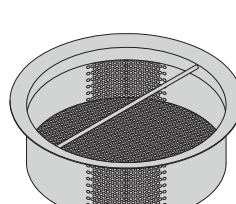
'Standard' Height Filter Basket



FBX

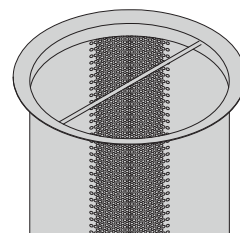
'Extended' Height Filter Basket

Cannot be used with a Foul Air Trap (FAT).



FB

'Standard' Height Filter Basket



FBX

'Extended' Height Filter Basket

Cannot be used with a Foul Air Trap (FAT).

Mesh	Hole	Product No	Product No
3mm	3.25Ø	AD.FB2.075.03	AD.FB2.200.03
Volume:		0.7 L	2.0 L

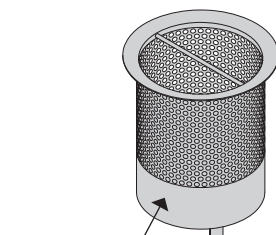
Product No	Product No
AD.FB3.075.03	AD.FB3.200.03
1.9 L	6.2 L

Silt Basket Options

Material: 316 stainless steel.

Why use a Silt Basket?

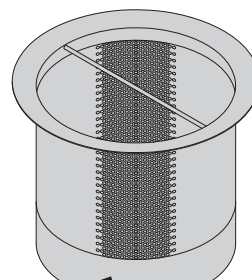
When wash down water contains fine or sand like solids, these particles fall to the solid bottom for collection and allow the water to overflow through the mesh and drain beyond.



SB

Dry 'Silt' Basket with Solid Bottom

Cannot be used with a Foul Air Trap (FAT).



SB

Dry 'Silt' Basket with Solid Bottom

Cannot be used with a Foul Air Trap (FAT).

Mesh	Hole	Product No
3mm	3.25Ø	AD.SB2.200.03
Volume:		2.0L

Product No
AD.SB3.200.03
6.2L

Foul Air Trap (FAT) Removable

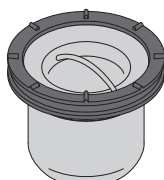
Material: 316 stainless steel with NBR seal.

Why Use A FAT?

With the Fowl Air trap removed, pipework beyond is clear for maintenance access.

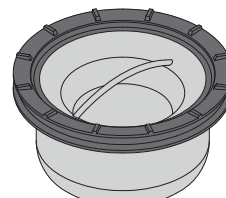
Use instead of a P-Trap to reduce the IL depth of the outlet.

FAT must be used with a standard height Filter Basket in a standard height Drain Bowl (all sold separately).



FAT

Fowl Air Trap (FAT) with NBR Sealing Ring



FAT

Fowl Air Trap (FAT) with NBR Sealing Ring

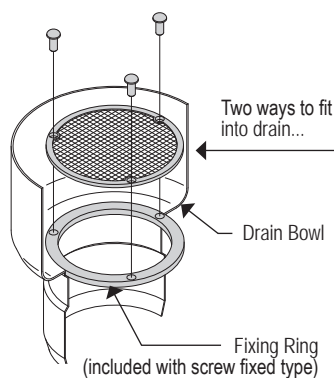
Seal Height	Product No
75mm	AD.FAT2.KIT
Flow Rate [†] :	3.5 L/sec

Product No
AD.FAT3.KIT
4.6 L/sec

[†] Max rate based on a continuous flow of water in clean conditions with vertical outlet drain bowl.

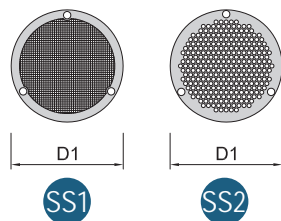
■ Secondary Strainer Option

Material: 316 stainless steel.



Strainer (Screw Fixed)

Secured with 3x torx screws to the Drain Bowl outlet. Screw Fixed available on request.



Strainer (Clip-In)

With 3x support legs, no fixing ring required (not shown).

Outlet OD	Aperture	Style	Product No	Open %
110	3.2mm	SS1	AD.SSK.110.03	42%
160	3.8mm	SS1	AD.SSK.160.03	43%

Requirements for Trade Waste:

Some Water Authorities list 'Screw Fixed' Secondary Strainers as a standard requirement. Please ask if you're unsure.

Key to remove? Order a **AD.KEY**

Outlet OD	Hole Dia	Style	Product No	Open %
110	3.8mm	SS2	AD.SSC.110.03	36%
160	3.8mm	SS2	AD.SSC.160.03	41%

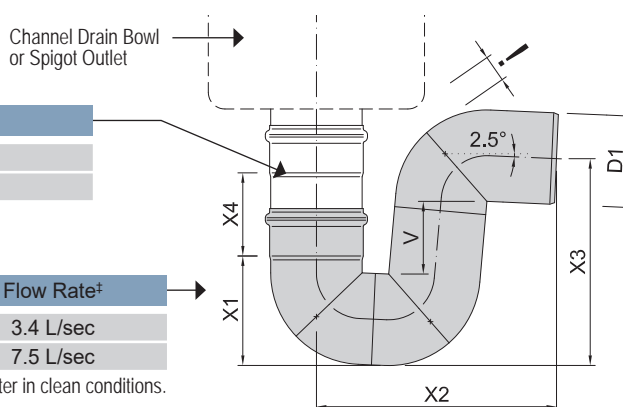
■ P-Trap Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.

Riser	Product No	D1	X4
A small vertical length may be required. Riser length sold separately.	AP.P.015.110	110	225
	AP.P.025.160	160	345

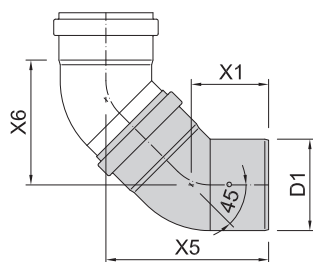
P-Trap	Product No	D1	X1	X2	X3	Flow Rate†
	AP.PT.110	110	132	300	254	3.4 L/sec
	AP.PT.160	160	190	403	347	7.5 L/sec

† Max rate based on a continuous flow of water in clean conditions.



■ Bend 45° Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.



Double 45 bend arrangements shown for offset dimensions only - each bend sold separately.

Product No	D1	X1	X5	X6
AP.B.45.110	110	93	195	150
AP.B.45.160	160	131	269	200

■ Mini Filter Basket

Material: 316 stainless steel.

When use the Mini Basket?

With a collection volume of 300mL, the Mini Basket is used when solids are few in washdown water.



'Mini' Filter Basket
Suitable to selected 110mm spigot outlets.

Suits items with a 110mm spigot outlet.

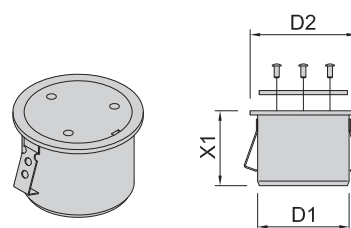
Mesh	Hole	Product No
3mm	3.25Ø	AD.FB1.075.03

■ Clearout (IP Cover)

Material: 316 stainless steel, polished top finish.
Lid seal: Neoprene gasket.

Polished 316 stainless steel top finish.

Allen head screws fitted standard.
Security screws are available on request.

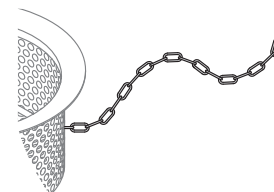


Product No	D1	D2	X1
AP.CO.110	110	128	90
AP.CO.160	160	180	100

■ Retaining Chain

Material: 316 stainless steel.

A Retaining Chain can be fitted between the Filter Basket and the Drain Bowl to prevent the basket being left out of the Drain Bowl or discarded.



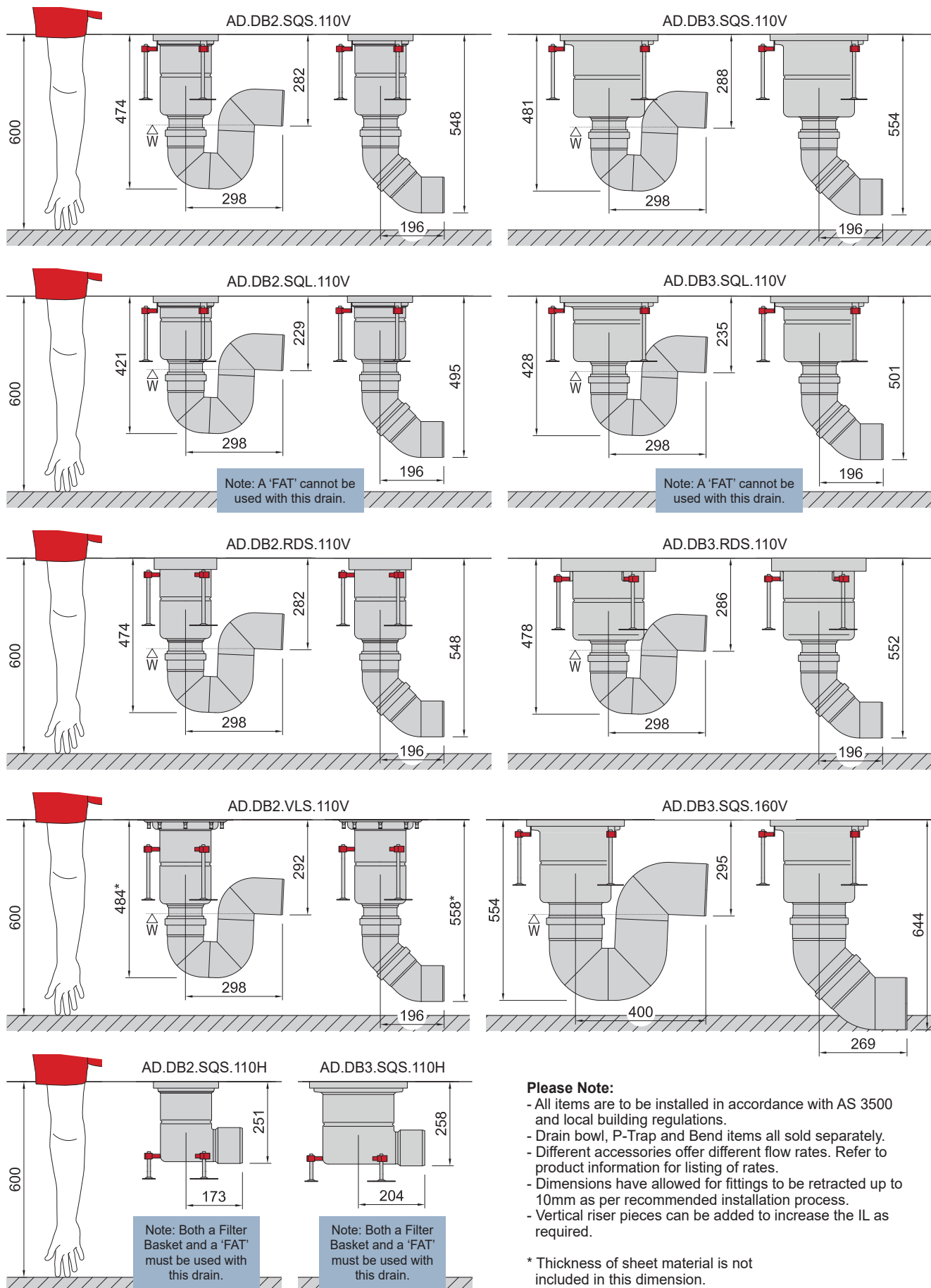
Length	Product No
700mm	AD.RCK.0700*

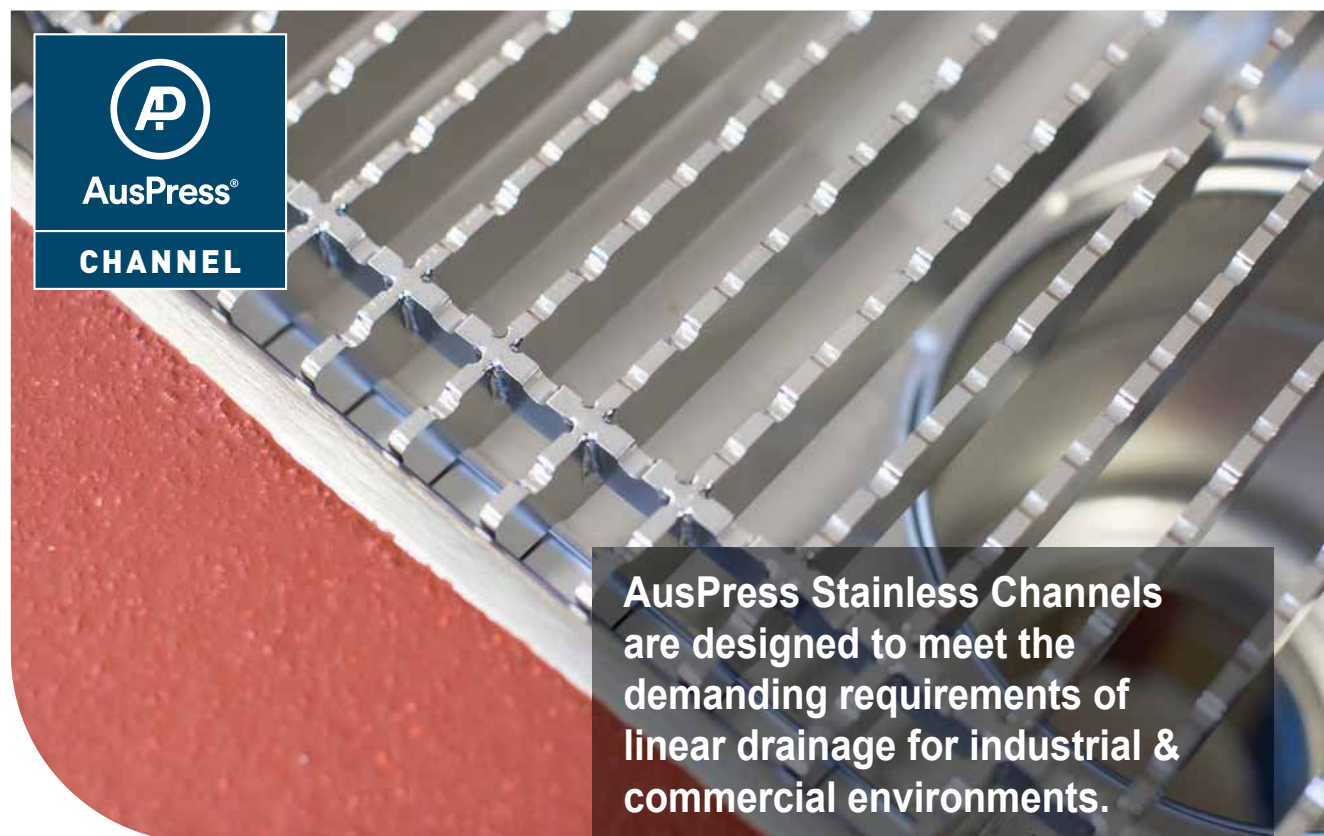
* Item available on request, lead time likely.

Floor Gully Invert Chart



Configurations show the minimum invert level (IL) for each drain bowl type, with P-Trap and 2x 45 Bend scenarios. Fitting dimensions used from the AusPress Stainless Drainage Range, other fitting types may vary.

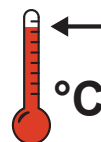




AusPress Stainless Channels
are designed to meet the
demanding requirements of
linear drainage for industrial &
commercial environments.



High
Load
Ratings



High
Temp
Suitable



Hygienic
Design

Performance Features

- Load rated channel and grate designs to suit heavy loads such as forklifts.
- Epoxy lip infill option to increase strength and prevent bacteria growth.
- To improve flow and prevent stagnant water, fall to outlet is incorporated as standard.
- Range of channel base designs to suit high flows, flows with solids, multiple outlets and floor types.
- Designed specifically for hygiene: HACCP and EHEDG approved.

Experience Counts

We've been working with consultants and installers on specialised solutions since 1992 with a focus on food processing, commercial and industrial projects across Australia and New Zealand.

Quality to Install

- Levelling angles and concrete tags fitted standard.
- Supplied as single piece or when over 6m in length, as bolted segments with Viton gasket.
- Spigot and Drain Bowl outlets are integrated into the channel body.
- Grate types to match the Floor Gully range.

Reliable Design

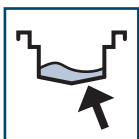
- Used by leading Australian food processors in demanding environments since 2002.
- In-house design staff with local fabrication available for project requirements.
- With the strength and chemical resistance qualities of stainless steel.

V

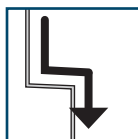
type

V-Bottom Channel with Spigot or Drain Bowl Outlet

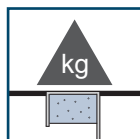
V-Bottom, fall to outlet with top edge options for different floor finishes.



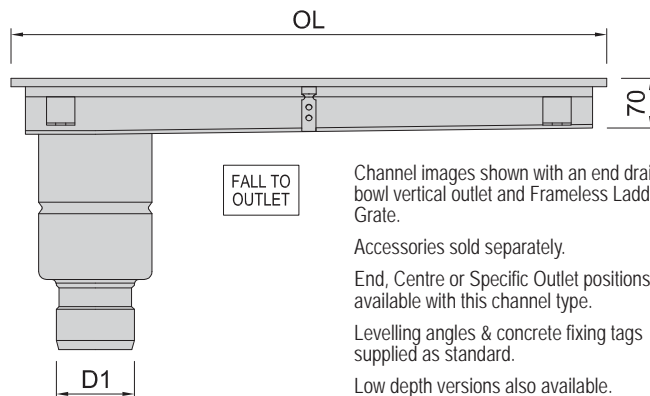
V-Bottom
Fall to Outlet



Hygienic & Self
Draining



Epoxy Edge
Infill Option



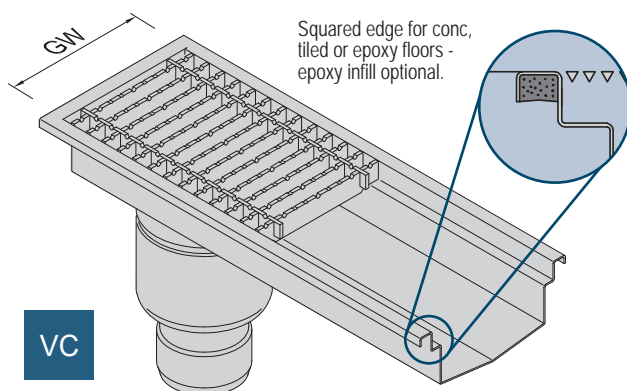
Channel images shown with an end drain bowl vertical outlet and Frameless Ladder Grate.

Accessories sold separately.

End, Centre or Specific Outlet positions available with this channel type.

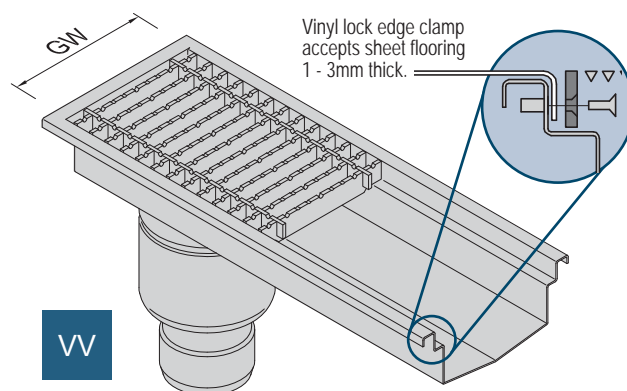
Levelling angles & concrete fixing tags supplied as standard.

Low depth versions also available.



VC

V-Type,
for Conc Edge



VV

V-Type,
for Vinyl Lock Edge

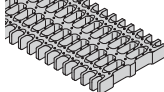
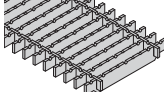
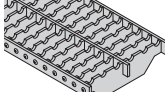
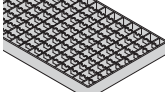
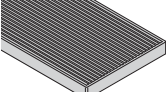
Channel & Edge Type?	<input type="checkbox"/> 'VC' for Conc, Tiled, Epoxy	<input type="checkbox"/> 'VV' for Vinyl Sheet
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel
Overall Length [OL]	<input type="text" value="mm"/>	> Lengths over 6m supplied in bolt together sections.

> 1.5mm thick standard.

Channel Width (Grate Width)	200 (168)			300 (268) or 400 (368)				
Outlet Type?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filter Basket	Mini	Std	Ext	Mini	Std	Ext	Std	Ext
Foul Air Trap (FAT) & Filter Basket (Std)	X	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outlet Size [D1] (mm)	110	110	160	110	110	160	110	160
Horizontal:	X	110*	X	X	110*	X	110*	X

Reference Drawing? ☐ Attached

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.		
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by:	<input type="text" value="mm"/>	
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the 'VC' edge lip to add strength and improve hygiene.		
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only		<input type="checkbox"/> Fix to FB & FAT		<input type="checkbox"/> None
Grate Type?	<input type="checkbox"/> Cast SS	<input type="checkbox"/> Frameless	<input type="checkbox"/> Ladder	<input type="checkbox"/> Mesh	<input type="checkbox"/> Wedge
	 300 wide max				 300 wide max

300 wide max

300 wide max

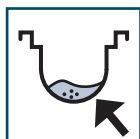
Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

H

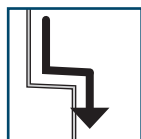
type

Hygiene Channel with Spigot or Drain Bowl Outlet

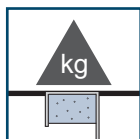
Round-Bottom, fall to outlet with top edge for concrete, tile or epoxy floor finishes.



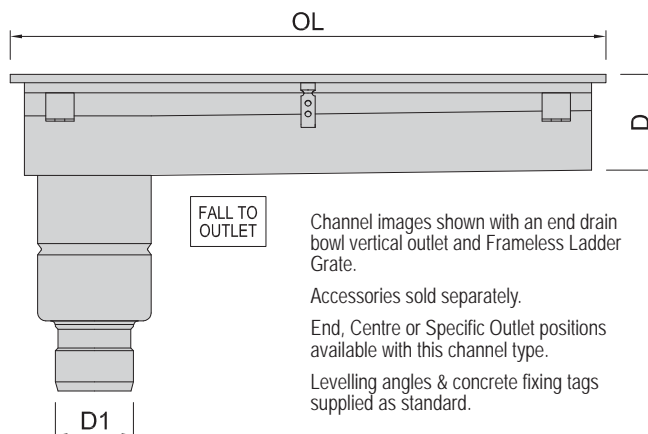
Round-Bottom
Fall to Outlet



Hygienic & Self
Draining



Epoxy Edge
Infill Option

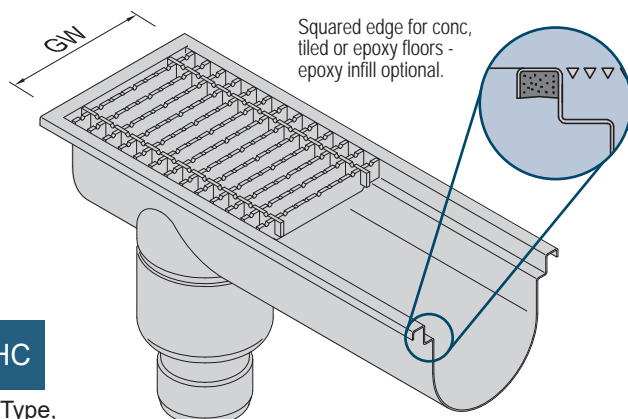


Channel images shown with an end drain bowl vertical outlet and Frameless Ladder Grate.

Accessories sold separately.

End, Centre or Specific Outlet positions available with this channel type.

Levelling angles & concrete fixing tags supplied as standard.



HC

H-Type,
for Conc Edge

Why Hygiene?

Solids fall to the curved bottom of the hygiene channel and are pushed to the outlet easily with less water flow.

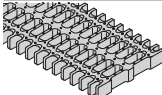
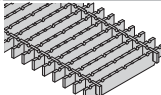
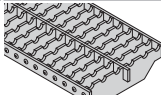
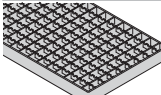
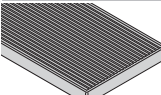
The consistent curve is easy to clean and grades towards the outlet.

Channel & Edge Type?	<input checked="" type="checkbox"/> 'HC' for Conc, Tiled, Epoxy		
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel	> 1.5mm thick standard.
Overall Length [OL]	<input type="text" value="mm"/>		> Lengths over 6m supplied in bolt together sections.

Channel Width (Grate Width)	200 (168)		300 (268) or 400 (368)			
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
Outlet Type?	Spigot	Drain Bowl	Spigot	Drain Bowl		
	<input type="checkbox"/>	<input type="checkbox"/> '200'	<input type="checkbox"/>	<input type="checkbox"/> '200'	<input type="checkbox"/> '300'	
Filter Basket	Mini	<input type="checkbox"/> Std	Mini	<input type="checkbox"/> Std	<input type="checkbox"/> Std	
Std = Standard Height Ext = Extended Height	<input type="checkbox"/>	<input type="checkbox"/> Ext	<input type="checkbox"/>	<input type="checkbox"/> Ext	<input type="checkbox"/> Ext	
Foul Air Trap (FAT) & Filter Basket (Std)	X	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	
Vertical:	110	110	110	110	160	110
Outlet Size [D1] (mm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal:	X	110*	X	X	110*	X

Reference Drawing? ☐ Attached

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.		
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by:	<input type="text" value=""/>	mm
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the edge lip to add strength and improve hygiene.		
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only		<input type="checkbox"/> Fix to FB & FAT		<input type="checkbox"/> None
Grate Type?	<input type="checkbox"/> Cast SS	<input type="checkbox"/> Frameless	<input type="checkbox"/> Ladder	<input type="checkbox"/> Mesh	<input type="checkbox"/> Wedge
					
	300 wide max				300 wide max

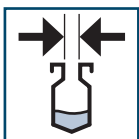
Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

S

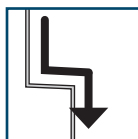
type

Slot Channel with Drain Bowl Outlet

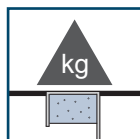
V-Bottom, fall to outlet with top edge for concrete, tile or epoxy floor finishes.



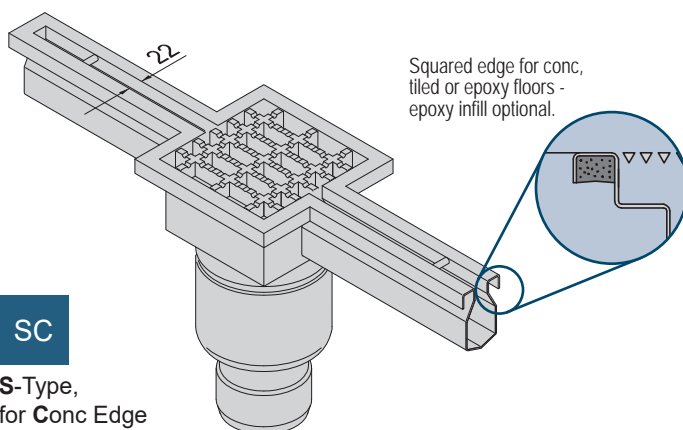
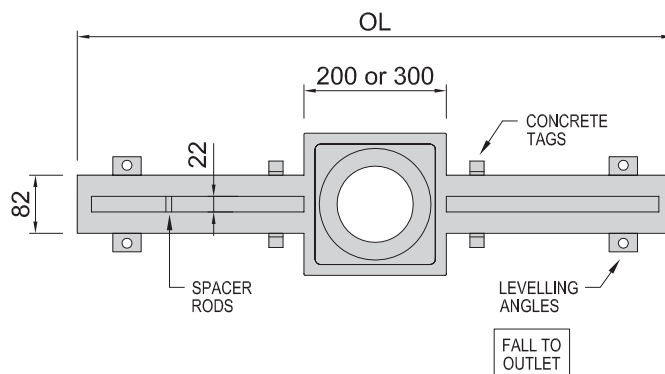
Narrow Gap Fall to Outlet



Hygienic & Self Draining



Epoxy Edge Infill Option



SC

S-Type, for Conc Edge

Channel images shown with a centre drain bowl vertical outlet and no grate.

Grate and accessories are sold separately.

End, Centre or Specific Outlet positions available with this channel type.

Levelling angles & concrete fixing tags supplied as standard.

Why Slot?

Slot channels are suitable for washdown applications with no or limited solids and offer a narrow opening without a channel grate required.

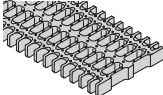
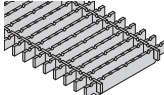
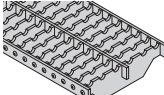
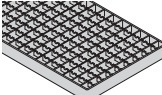
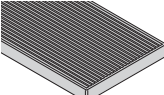
The outlet uses a square Floor Gully so a Filter Basket and or Secondary Strainer to be added to the outlet.

Channel & Edge Type?	<input checked="" type="checkbox"/> 'SC' for Conc, Tiled, Epoxy	
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel > 1.5mm thick standard.
Overall Length [OL]	<input type="text" value="mm"/>	> Lengths over 6m supplied in bolt together sections.
Slot Width (mm)	22mm opening.	

Outlet Type?	Square Top Outlet			
	'200'		'300'	
Filter Basket Std = Standard Height Ext = Extended Height	<input type="checkbox"/> Std	<input type="checkbox"/> Std	<input type="checkbox"/> Std	<input type="checkbox"/> Std
	<input type="checkbox"/> Ext	<input type="checkbox"/> Ext	<input type="checkbox"/> Ext	<input type="checkbox"/> Ext
Foul Air Trap (FAT) & Filter Basket (Std)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outlet Size [D1] (mm)	Vertical: 110	160	110	160
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal: 110*	X	X	X	X
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reference Drawing? ☐ Attached ☐

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.		
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by:	<input type="text" value="mm"/>	
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the edge lip to add strength and improve hygiene.		
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only		<input type="checkbox"/> Fix to FB & FAT	<input type="checkbox"/> None	
Grate Type?	<input type="checkbox"/> Cast SS	<input type="checkbox"/> Frameless	<input type="checkbox"/> Ladder	<input type="checkbox"/> Mesh	<input type="checkbox"/> Wedge
					

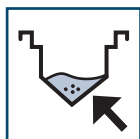
Drain Bowl Outlet will be supplied with a square or round grate to suit.

Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

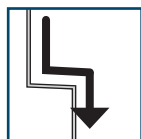
DV
type

Deep-V-Bottom Channel with Spigot or Drain Bowl Outlet

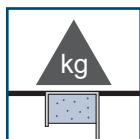
Deep V-Bottom, fall to outlet with top edge for concrete, tile or epoxy floor finishes.



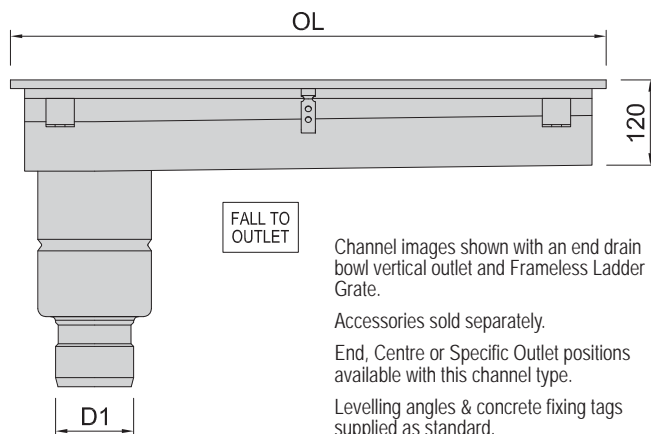
V-Bottom
Fall to Outlet



Hygienic & Self
Draining



Epoxy Edge
Infill Option

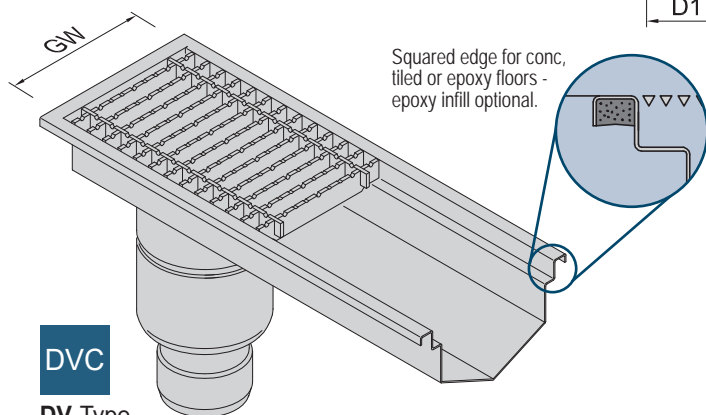


Channel images shown with an end drain bowl vertical outlet and Frameless Ladder Grate.

Accessories sold separately.

End, Centre or Specific Outlet positions available with this channel type.

Levelling angles & concrete fixing tags supplied as standard.


DVC

DV-Type,
for Conc Edge

Why Deep-V?

Solids fall to the V-bottom of the stainless channel and are pushed to the outlet easily with less water flow.

The open 'V' is easy to clean and grades towards the outlet.

Channel & Edge Type?	<input checked="" type="checkbox"/> 'DVC' for Conc, Tiled, Epoxy		
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel	> 1.5mm thick standard.
Overall Length [OL]	<input type="text"/> mm		> Lengths over 6m supplied in bolt together sections.

Channel Width (Grate Width)	200 (168) <div></div>			300 (268) or 400 (368) <div></div> <div></div>				
Outlet Type?	Spigot <div></div>	Drain Bowl <div></div> '200'		Spigot <div></div>	Drain Bowl <div></div> '200' <div></div> '300'			
	Filter Basket Std = Standard Height Ext = Extended Height <div></div>	Mini <div></div>	Std <div></div> Ext	Mini <div></div>	Std <div></div> Ext	Std <div></div> Ext		
Foul Air Trap (FAT) & Filter Basket (Std)	X	<div></div>		X	<div></div>		<div></div>	
Outlet Size [D1] (mm)	Vertical: <div></div>	110 <div></div>	110 <div></div> 160 <div></div>	110 <div></div>	110 <div></div>	160 <div></div>	110 <div></div>	160 <div></div>
	Horizontal: <div></div>	X	110* <div></div> X	X	110* <div></div>	X	110* <div></div>	X

Reference Drawing? ☐ Attached

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by: <input type="text"/> mm
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the edge lip to add strength and improve hygiene.
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only		<input type="checkbox"/> Fix to FB & FAT
			<input type="checkbox"/> None
Grate Type?	<input type="checkbox"/> Cast SS	<input type="checkbox"/> Frameless	<input type="checkbox"/> Ladder
	<input type="checkbox"/> Mesh	<input type="checkbox"/> Wedge	
	300 wide max		300 wide max

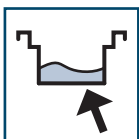
Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

F

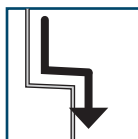
type

Flat-Bottom Channel with Spigot or Drain Bowl Outlet

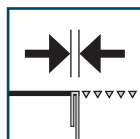
V-Bottom, fall to outlet with different top edge options for concrete or tiled floor finishes.



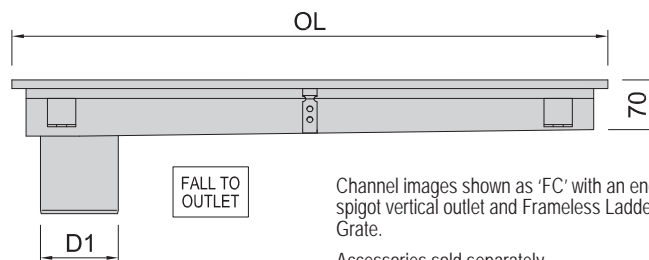
Flat-Bottom
Fall to Outlet



Hygienic & Self
Draining



Narrow Folded
Edge Option

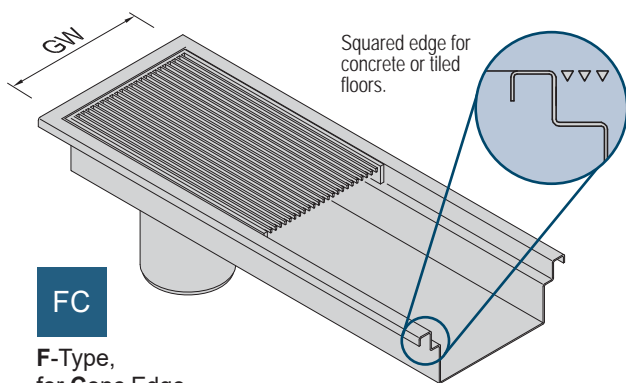


Channel images shown as 'FC' with an end spigot vertical outlet and Frameless Ladder Grate.

Accessories sold separately.

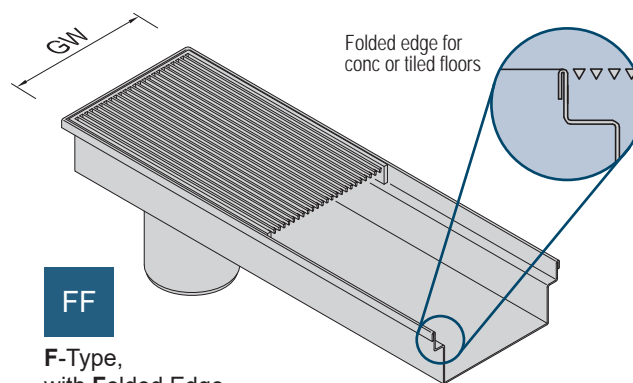
End, Centre or Specific Outlet positions available with this channel type.

Levelling angles & concrete fixing tags supplied as standard.



FC

F-Type,
for Conc Edge



FF

F-Type,
with Folded Edge

Channel & Edge Type?	<input type="checkbox"/> 'FC' for Conc, Tiled, Epoxy	<input type="checkbox"/> 'FF' for Conc, Tiled, Epoxy
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel
Material Thickness?	<input type="checkbox"/> 1.5mm thick	<input type="checkbox"/> 1.2mm thick
Overall Length [OL]	<input type="text" value="mm"/>	> Lengths over 6m supplied in bolt together sections.

Reference
Drawing?

Attached

☐

Channel Width* (Grate Width)	<input type="checkbox"/> 100	<input type="checkbox"/> 150	<input type="checkbox"/> 200 (168)
Outlet Type?	<input checked="" type="checkbox"/> Vertical Spigot	<input checked="" type="checkbox"/> Vertical Spigot	<input checked="" type="checkbox"/> Vertical Spigot
Outlet Size [D1] (mm) Outside Diameter	<input type="checkbox"/> 50 <input type="checkbox"/> 75 <input type="checkbox"/> 110	<input type="checkbox"/> 50 <input type="checkbox"/> 75 <input type="checkbox"/> 110	<input type="checkbox"/> 50 <input type="checkbox"/> 75 <input type="checkbox"/> 110
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by: <input type="text" value="mm"/>
Grate Type?	<input checked="" type="checkbox"/> Wedge	<p>Heal Safe</p>	

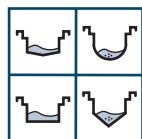
* Channel Width measurement based on 'FC' type channel. The 'FF' type channel is less width.

Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

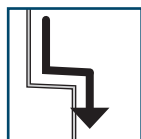
O type

Oversized Outlet Channel with Bowl Outlet

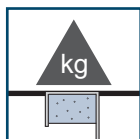
Fall to outlet with top edge for concrete, tile or epoxy floor finishes. Choice of channel type.



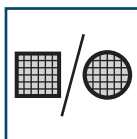
Bottom Choice
Fall to Outlet



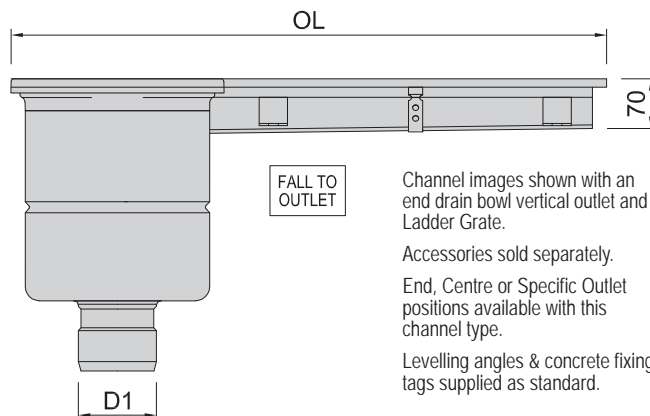
Hygienic & Self
Draining



Epoxy Edge
Infill Option



Square or
Round Access

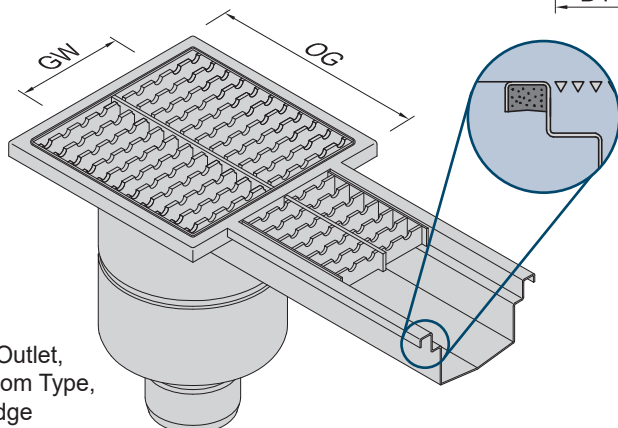


Channel images shown with an end drain bowl vertical outlet and Ladder Grate.

Accessories sold separately.

End, Centre or Specific Outlet positions available with this channel type.

Levelling angles & concrete fixing tags supplied as standard.



Squared edge for conc, tiled or epoxy floors - epoxy infill optional.

O?C

Oversized Outlet,
Option Bottom Type,
for Conc Edge

Why Oversized Outlet?

Allows a larger Filter Basket to be fitted into the outlet in occasions when excessive solids need to be captured.

Channel Edge & Base Type?	<input type="checkbox"/> 'OVC' V-Bottom	<input type="checkbox"/> 'OHC' Hygiene Round Bottom	<input type="checkbox"/> 'ODVC' Deep-V Bottom	<input type="checkbox"/> 'OFC' Flat Bottom
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel	> 1.5mm thick standard.	
Overall Length [OL]	<input type="text" value="mm"/>		> Lengths over 6m supplied in bolt together sections.	

Channel Width (Grate Width)	<input checked="" type="checkbox"/> 200 (168)			
	Square Drain Bowl		Round Drain Bowl	
Outlet Type	<input type="checkbox"/> '300'		<input type="checkbox"/> '300'	
Filter Basket	<input type="checkbox"/> Std		<input type="checkbox"/> Std	
Std = Standard Height Ext = Extended Height	<input type="checkbox"/> Ext		<input type="checkbox"/> Ext	
Foul Air Trap (FAT) & Filter Basket (Std)	<input type="checkbox"/>		<input type="checkbox"/>	
Vertical:	<input type="checkbox"/> 110	<input type="checkbox"/> 160	<input type="checkbox"/> 110	<input type="checkbox"/> 160
Outlet Size [D1] (mm)	<input type="checkbox"/> 110*		<input type="checkbox"/> 110*	
Horizontal:	<input type="checkbox"/> X		<input type="checkbox"/> X	

Reference Drawing? ☐ Attached

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.
Outlet Location?	<input type="checkbox"/> Centre	<input type="checkbox"/> End	<input type="checkbox"/> Offset from end by: <input type="text" value="mm"/>
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the edge lip to add strength and improve hygiene.
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only		<input type="checkbox"/> Fix to FB & FAT
			<input type="checkbox"/> None

Grate Type?	<input type="checkbox"/> Cast SS	<input type="checkbox"/> Frameless	<input type="checkbox"/> Ladder	<input type="checkbox"/> Mesh	<input type="checkbox"/> Wedge
Drain Bowl Outlet will be supplied with a square grate of the same type.					
	300 wide max				300 wide max

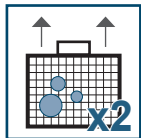
Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

L

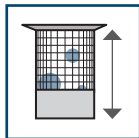
type

Laundry/Surge Channel with Drain Bowl Outlet

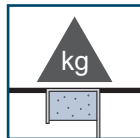
For Commercial Laundry & Aged Care Facilities with top edge options for different floor finishes.



Removable Lint Screen



Extended Silt Basket



Epoxy Edge Infill Option

LC

L-Type, for Conc Edge (shown)

LV

L-Type, for Vinyl Lock Edge

Vinyl lock edge clamp accepts sheet flooring 1 - 3mm thick - Type 'LV' only.

Solid removable stainless lids

FALL TO OUTLET

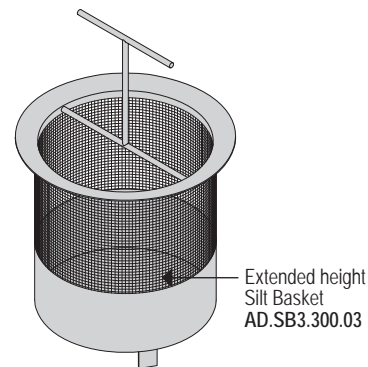
Channel image shown with an end drain bowl outlet and Wedge Grate.

Filter Screen, Silt Basket, Grates & Outlet assembly included.

Levelling angles & concrete fixing tags supplied as standard.

Stainless water seal pipe assembly for hot water discharge included.
1x 250mm length + 2x 45 Bends (or supplied as one piece on request).

Inlets for Washing Machine discharge pipes; complete onsite.



Extended height Silt Basket AD.SB3.300.03

Removable Lint Screens x2
#1: 5mm
#2: 3mm

Channel & Edge Type?	<input type="checkbox"/> 'LC' for Conc, Tiled, Epoxy	<input type="checkbox"/> 'LV' for Vinyl Sheet
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel > 1.5mm thick standard.

Washing Machines?	Qty: <input type="text"/>	Make: <input type="text"/>	Model: <input type="text"/>
	Water Discharge Volume per Machine: <input type="text"/> Litres		

Max Grate Width?	<input type="text"/> mm	> Maximum width if restricted.
Max Overall Length?	<input type="text"/> mm	> Maximum length if restricted.
Maximum Depth?	<input type="text"/> mm IL	> Maximum invert level if restricted.
Minimum Volume?	<input type="text"/> Litres	
Outlet Size (mm)	<input type="checkbox"/> 110 <input type="checkbox"/> 160	> Outlet OD.

Reference Drawing? ☐ Attached

Silt Basket	<input checked="" type="checkbox"/> 3mm	> Aperture (hole) size.
Lint Screen #1	<input checked="" type="checkbox"/> 5mm	> Aperture (hole) size.
Lint Screen #2	<input checked="" type="checkbox"/> 3mm	> Aperture (hole) size.
Epoxy Edge Infill?	<input type="checkbox"/> Yes <input type="checkbox"/> None	> Applied under the 'LC' edge lip to add strength and improve hygiene.

Grate Type?	<input checked="" type="checkbox"/> Wedge
<p>Select a grate type to be positioned over the outlet part of the channel.</p> <p>The remainder is covered with a solid 'non-load bearing' cover plate.</p>	
<p>Heel Safe</p>	

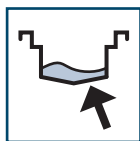
Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

K

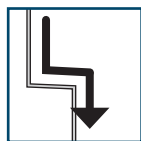
type

Kitchen/Kettle Channel with Drain Bowl Outlet

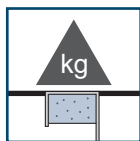
For Commercial Kitchen Facilities with top edge options for different floor finishes.



V-Bottom
Fall to Outlet



Hygienic & Self
Draining

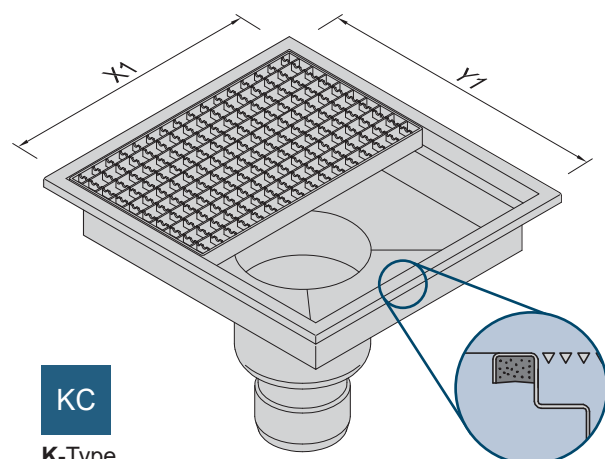
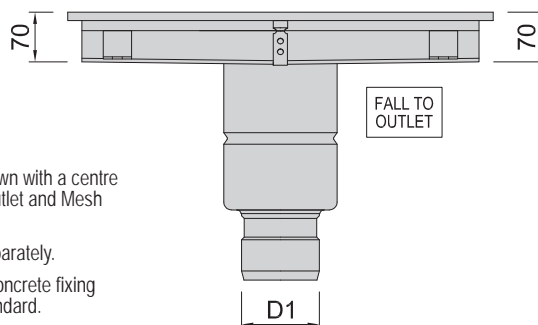


Epoxy Edge
Infill Option

Channel images shown with a centre drain bowl vertical outlet and Mesh Grate.

Accessories sold separately.

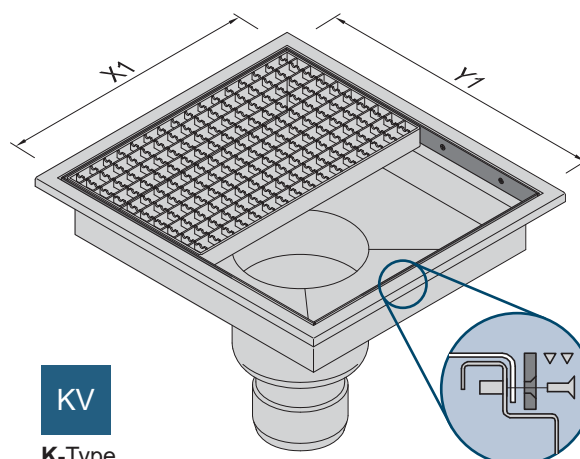
Levelling angles & concrete fixing tags supplied as standard.



KC

K-Type,
for Conc Edge

Squared edge for conc,
tiled or epoxy floors -
epoxy infill optional.



KV

K-Type,
for Vinyl Lock Edge

Vinyl lock edge clamp
accepts sheet flooring
1 - 3mm thick.

Channel & Edge Type?	<input type="checkbox"/> 'KC' for Conc, Tiled, Epoxy	<input type="checkbox"/> 'KV' for Vinyl Sheet
Channel Material?	<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> 304 Stainless Steel
> 1.5mm thick standard.		
Grate Size [X1 x Y1]	<input type="checkbox"/> 500 x 500mm	<input type="checkbox"/> 1000 x 400mm
	<input type="checkbox"/> 1000x 500mm	<input type="checkbox"/> Other: <input type="text"/> x <input type="text"/> mm

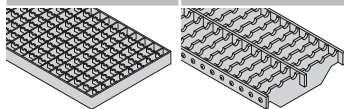
Outlet Type	Drain Bowl	
	<input type="checkbox"/> '200'	<input type="checkbox"/> '300'
Filter Basket <small>Std = Standard Height Ext = Extended Height Silt = Silt Basket</small>	<input type="checkbox"/> Std	
	<input type="checkbox"/> Ext	
	<input type="checkbox"/> Silt	
Foul Air Trap (FAT) & Filter Basket (Std)	<input type="checkbox"/>	
Outlet Size [D1] (mm)	Vertical: <input type="checkbox"/> 110	<input type="checkbox"/> 160
	Horizontal: <input type="checkbox"/> 110*	X

Reference Drawing? ☐ Attached

* Horizontal outlets require both a Foul Air Trap (FAT) & a standard height Filter Basket to be fitted.

Secondary Strainer?	<input type="checkbox"/> 3mm	<input type="checkbox"/> None	> Aperture (hole) size. Available vertical outlets only.
Epoxy Edge Infill?	<input type="checkbox"/> Yes	<input type="checkbox"/> None	> Applied under the 'KC' edge lip to add strength and improve hygiene.
Retaining Chain?	<input type="checkbox"/> Fix to Filter Basket Only	<input type="checkbox"/> Fix to FB & FAT	<input type="checkbox"/> None

Grate Type	<input type="checkbox"/> Mesh	<input type="checkbox"/> Ladder
<p>An internal support may be required to strengthen the middle of wide span grates.</p> <p>Grates are supplied as 1 or 2 pieces for OH&S (lifting weight).</p>		

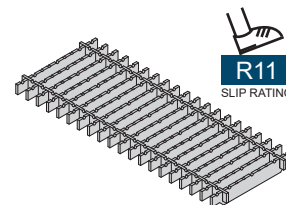
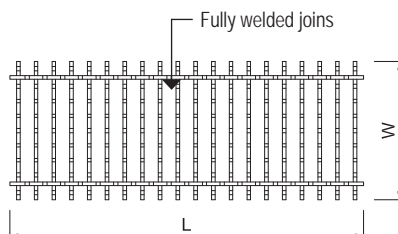


Product numbers and detailed information for each accessory can be found listed further in this section of the catalogue.

■ Frameless Ladder Grate

Material: 316 stainless steel, electropolished finish.
Surface: Half round notch.

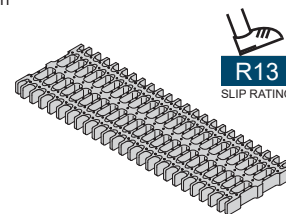
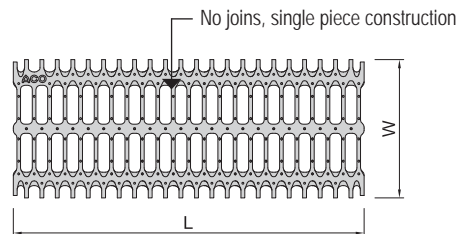
GW	Load [†]	Product No	W	L
200	12,500	AC.GFL.168.499	168	499
300	12,500	AC.GFL.268.499	268	499
400	12,500	AC.GFL.368.466	368	499



■ Cast Stainless Grate

Material: 304 stainless steel, electropolished finish.
Surface: Raised dimple pattern.

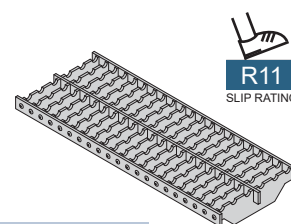
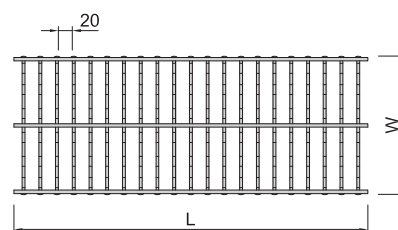
GW	Load [†]	Product No	W	L
200		AC.GC.168.499	168	499
300		AC.GC.268.499	268	499



■ Ladder Grate

Material: 304 stainless steel, mill finish.
Surface: Half round notch.

GW	Load [†]	Product No	W	L
200	12,500	AC.GLM.168.499	168	499
300	12,500	AC.GLM.268.499	268	499
400		AC.GLM.368.499	368	499
500		AC.GLM.468.499	468	499



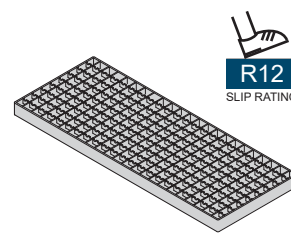
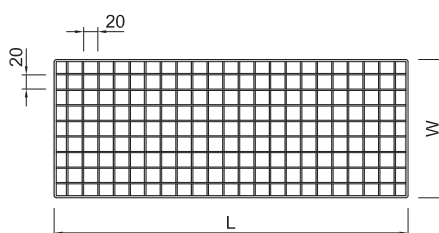
Electropolish finish available on request.

■ Mesh Grate

Material: 304 stainless steel, electropolished finish.
Surface: Half round notch.

GW	Load [†]	Product No	W	L
200	1,500	AC.GM.168.499	168	499
300	1,500	AC.GM.268.499	268	499
400	1,500	AC.GM.368.398	368	398
500	1,500	AC.GM.468.499*	468	499

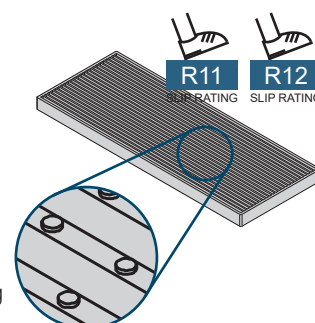
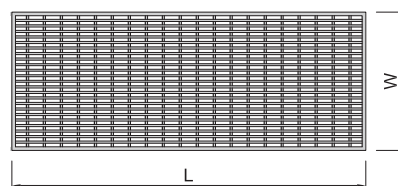
* Item available on request, lead time likely.



■ Wedge Grate (Heel Safe)

Material: 316 stainless steel, mill finish.
Surface: Raised dimple pattern.

GW	Load [†]	Product No	W	L
200	1,500	AC.GW.168.499	168	499
300	1,500	AC.GW.268.499	268	499



Grate with a dimpled surface achieves a R12 slip rating across (transverse) & R11 with the bars (longitudinal).

[†] Load ratings to EN1433 testing in kilograms (kg). Lesser values for solid wheel and moving wheel loads.
Slip ratings tested to EN13036.

Check the individual drain bowl page for suitability as not all accessories shown fit all drain bowl types.

200

200

200

Items below for '200' Drain Bowls

300

300

Items below for '300' size Drain Bowls

Filter Basket Options

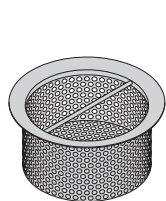
Material: 316 stainless steel.

Why Use a Filter Basket?

The mesh of the Filter Basket prevents solids in wash down waters from passing and possibly blocking the drainage beyond so this material can be disposed of appropriately.

Retaining Chain?

We can fix the basket to the drain bowl to prevent the basket being thrown away.



FB

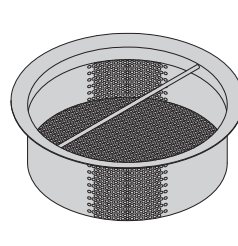
'Standard' Height Filter Basket



FBX

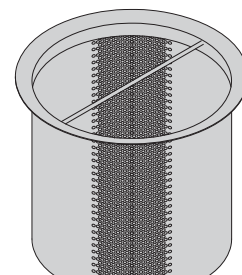
'Extended' Height Filter Basket

Cannot be used with a Foul Air Trap (FAT).



FB

'Standard' Height Filter Basket



FBX

'Extended' Height Filter Basket

Cannot be used with a Foul Air Trap (FAT).

Mesh	Hole	Product No	Product No
3mm	3.25Ø	AD.FB2.075.03	AD.FB2.200.03
Volume:		0.7 L	2.0 L

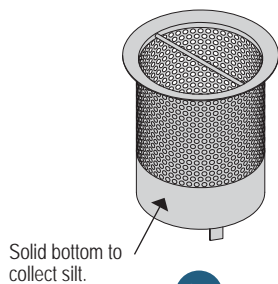
Product No	Product No
AD.FB3.075.03	AD.FB3.210.03
1.9 L	6.2 L

Silt Basket Options

Material: 316 stainless steel.

Why use a Silt Basket?

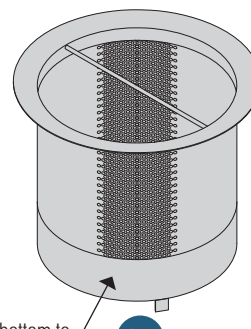
When wash down water contains fine or sand like solids, these particles fall to the solid bottom for collection and allow the water to overflow through the mesh and drain beyond.



SB

Dry 'Silt' Basket with Solid Bottom

Cannot be used with a Foul Air Trap (FAT).



SB

Dry 'Silt' Basket with Solid Bottom

Cannot be used with a Foul Air Trap (FAT).

Mesh	Hole	Product No
3mm	3.25Ø	AD.SB2.200.03
Volume:		2.0 L

Product No
AD.SB3.210.03
6.2L

Foul Air Trap (FAT) Removable Options

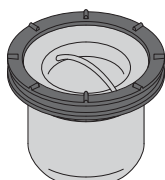
Material: 316 stainless steel with NBR seal.

Why Use A FAT?

With the Foul Air trap removed, pipework beyond is clear for maintenance access.

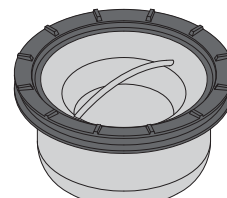
Use instead of a P-Trap to reduce the IL depth of the outlet.

FAT must be used with a standard height Filter Basket in a standard height Drain Bowl (all sold separately).



FAT

Foul Air Trap (FAT) with NBR Sealing Ring



FAT

Foul Air Trap (FAT) with NBR Sealing Ring

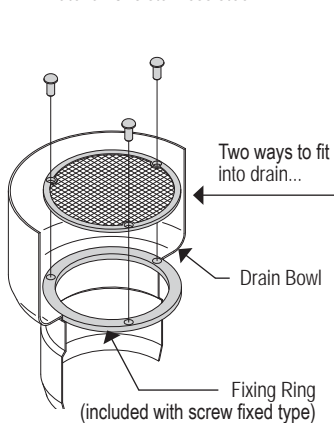
Seal Height	Product No
75mm	AD.FAT2.KIT
Flow Rate [†] :	3.5 L/sec

Product No
AD.FAT3.KIT
4.6 L/sec

[†] Max rate based on a continuous flow of water in clean conditions with vertical outlet drain bowl.

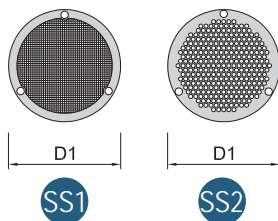
Secondary Strainer Option

Material: 316 stainless steel.



Strainer (Screw Fixed)

Secured with 3x torx screws to the Drain Bowl outlet. Screw Fixed available on request.



Outlet OD	Aperture	Style	Product No	Open %
110	3.2mm	SS1	AD.SSK.110.03	42%
160	3.8mm	SS1	AD.SSK.160.03	43%

Requirements for Trade Waste:

Some Water Authorities list 'Screw Fixed' Secondary Strainers as a standard requirement. Please ask if you're unsure.

Key to remove? Order a **AD.KEY**

Strainer (Clip-In)

With 3x support legs, no fixing ring required (not shown).

Outlet OD	Hole Dia	Style	Product No	Open %
110	3.8mm	SS2	AD.SSC.110.03	36%
160	3.8mm	SS2	AD.SSC.160.03	41%

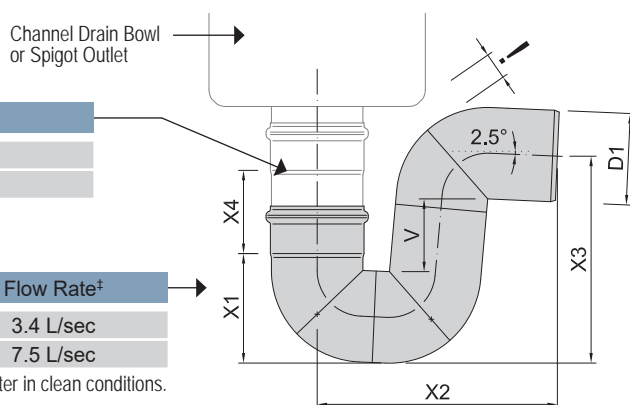
P-Trap Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.

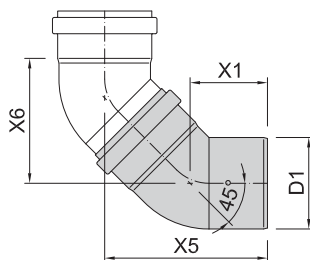
Riser	Product No	D1	X4
A small vertical length may be required. Riser length sold separately.	AP.P.015.110	110	225
	AP.P.025.160	160	345

P-Trap	Product No	D1	X1	X2	X3	Flow Rate†
	AP.PT.110	110	132	300	254	3.4 L/sec
	AP.PT.160	160	190	403	347	7.5 L/sec

† Max rate based on a continuous flow of water in clean conditions.



Bend 45° Socket - Spigot

Material: 316 stainless steel, mill finish.
Ring Seal: EPDM x1 fitted.


Double 45 bend arrangements shown for offset dimensions only - each bend sold separately.

Product No	D1	X1	X5	X6
AP.B.45.110	110	93	195	150
AP.B.45.160	160	131	269	200
AP.B.45.200*	200	152	308	228
AP.B.45.250*	250	177	362	273
AP.B.45.315*	315	199	411	317

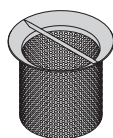
* Item available on request, lead time likely.

Mini Filter Basket

Material: 316 stainless steel.

When use the Mini Basket?

With a collection volume of 300mL, the Mini Basket is used when solids are few in washdown water.



FB

'Mini' Filter Basket
Suitable to selected 110mm spigot outlets.

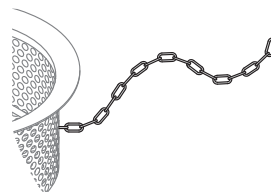
Suits items with a 110mm spigot outlet.

Mesh	Hole	Product No
3mm	3.25Ø	AD.FB1.075.03

Retaining Chain

Material: 316 stainless steel.

A Retaining Chain can be fitted between the Filter Basket and the Drain Bowl to prevent the basket being left out of the Drain Bowl or discarded.



Length	Product No
700mm	AD.RCK.0700*

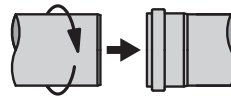
* Item available on request, lead time likely.



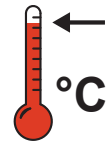
Installed quickly & easily,
push together polypropylene
drainage has the advantage
when high temperatures and
performance are critical.



Diameters
110 to 500mm



Push to
Join



High
Temp
Suitable

Faster to Install

Push-together drainage systems offer superior installation times compared to welding, threading, grooving or glueing.

Quality to Install

- Approved to WaterMark and International standards.
- Lightweight to handle, install and support on site.
- Superior temperature tolerance compared to uPVC or HDPE.

Experience Counts

We've been working with consultants and installers on specialised solutions since 1992 with a focus on food processing, mining, commercial and industrial projects across Australia and New Zealand.

Stronger Design

- Engineered 'mineral modified' polypropylene (PP-MD) material to provide SN10 and SN16 class material strength.
- Extremely strong pipe and fittings with increased wall thickness.

Reliable Design

- 3-Lip Seal standard for fast installation and secure sealing.
- High abrasion resistant surface.
- Excellent chemical resistance.
- Suits a wide range of applications including sewer, stormwater, tradewaste and cable conduit.

Environmental Choice

- Long lifespan and service life.
- Closed loop material (may be completely recycled).

Installation Guide

Start to install drainage quicker...

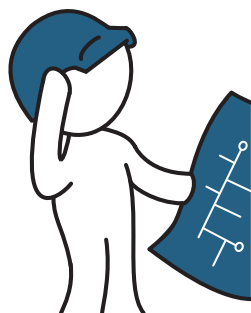
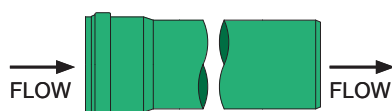
With the polypropylene pipe and fittings designed with a socket & spigot, joining is simply pushing the fittings together.

Refer to the technical section for installation recommendations & more information.

Start here

Follow the flow rule...

Push together drainage is directional; the water flow must travel socket to spigot.



Check for suitability...

Confirm the stainless steel and the ring seal (eg SBR) are suitable for the application and situation. Some chemicals and environments can be unsuitable, please ask us if unsure.

Ring Seal Colours

SBR ring seals are supplied as standard unless ordered otherwise.

Colour	Material	Temperature*	
		Min	Max
Black	SBR	-20°C	90°C
Black	NBR	-20°C	90°C

* Maximum continuous temperatures.

For ring seal suitability with chemicals and other applications, please contact us for assessment.

This guide is only for standard applications.

For specific or specialised applications please contact us first - www.auspress.com.au

Ordering & Design

Drainage pipe is available in different lengths (from 500mm to 6m) so choose the length closest to what is needed to reduce offcut waste.

Cut Pipe to Length

Cutting to length is easy using a suitable fine tooth hand saw or plastic pipe cutter;

- Cut the pipe square (wrap-around tape & mark) or,
- Use a cutting guide frame/box for assistance.

Pipes are supplied with a socket and a spigot end; cut off from the spigot end keeping the socket. Using offcut spigot-spigot pipe pieces is not recommended.

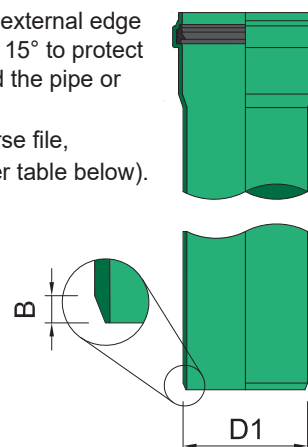
Note fittings are not to be cut.

Bevel the Cut End

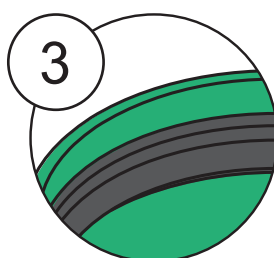
Each cut spigot requires the external edge to be bevelled to an angle of 15° to protect the ring seal and help to lead the pipe or fitting into the socket.:

- Use a bevelling tool or coarse file,
- Bevel the pipe to ~15° (refer table below).

D1	B
110	6
160	7
200	9
250	9
315	12
400	15
500	18



3



Inspect & Lubricate the Ring Seal

In the socket, check that the ring seal is:

- The correct material specified and,
- With the mitred edge facing inwards and,
- Not damaged and is free of debris.

Apply a small amount of joining lubricant to the ring seal inside the socket. We stock a silicon based lubricant.

Do not use oil or grease as a lubricant, this may damage the ring seal material.

4

Push, Twist & Pull

Using a slight twisting movement, push the spigot fully into the socket.

Mark the full insertion depth with a texta on the spigot end of the pipe/fitting.

Then, retract 10-12mm from the socket to allow for expansion & contraction to occur within each socket.

■ Pipe Length Socket - Spigot

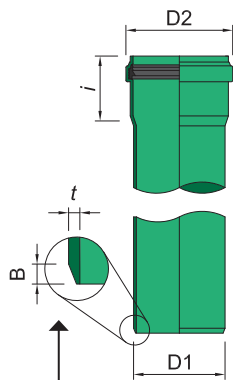
Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.

Each length of polypropylene drainage pipe is supplied with a socket (fitted with an SBR rubber ring seal) and tapered spigot end.

Available in two load classes, SN10 and SN16, the pipe is ordered in various lengths to reduce offcut wastage on site.

**The system is directional;
the water flow must travel
from socket to spigot.**

Confirm the material and ring seal are suitable for your application!



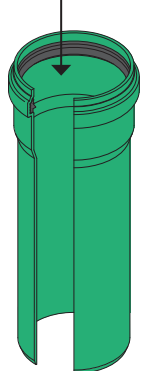
B = Bevel

After cutting square, bevel the spigot end of the pipe with an appropriate tool, forming a bevel ~15°.

Insertion Depth			SN10 rating		SN16 rating	
D1	i	B	t	D2	t	D2
110	78 - 68	6	3.4	129	4.2	131
160	100 - 90	7	4.9	187	6.2	190
200	120 - 110	9	6.2	236	7.7	239
250	143 - 133	9	7.7	288	9.6	292
315	150 - 140	12	9.7	359	12.1	364
400	195 - 185	15	12.3	455	15.3	461
500	170 - 160	18	15.3	565	19.1	573

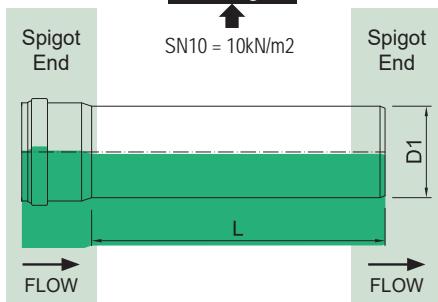
Retract 10mm after pushing together for expansion & contraction.

Pipe rated to SN10 is easily identified by green internal surface colour.

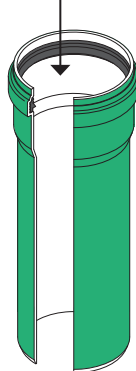


SN10
rating

SN10 = 10kN/m²

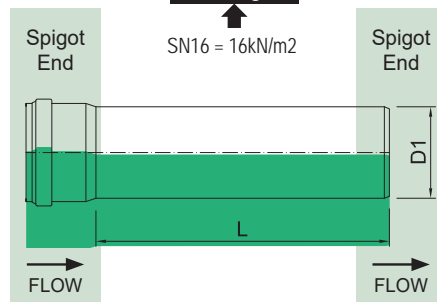


Pipe rated to SN16 is easily identified by white internal surface colour.



SN16
rating

SN16 = 16kN/m²



Product No	L	D1	Load Class	Weight (kg)	
				Dry	Wet †
KG.P10.0500.110	0.5m	110	SN10	1.0	5.2
KG.P10.1000.110	1m	110	SN10	1.8	10.2
KG.P10.2000.110*	2m	110	SN10	3.4	20.1
KG.P10.5000.110	5m	110	SN10	8.2	50.0
KG.P10.0500.160	0.5m	160	SN10	2.2	11.0
KG.P10.1000.160	1m	160	SN10	3.7	21.4
KG.P10.2000.160*	2m	160	SN10	6.7	42.1
KG.P10.5000.160	5m	160	SN10	16.1	104.7
KG.P10.0500.200*	0.5m	200	SN10	3.5	17.4
KG.P10.1000.200*	1m	200	SN10	5.9	33.6
KG.P10.2000.200*	2m	200	SN10	11.2	66.5
KG.P10.5000.200	5m	200	SN10	26.7	164.9
KG.P10.1000.250*	1m	250	SN10	9.3	52.6
KG.P10.3000.250	3m	250	SN10	25.0	154.7
KG.P10.6000.250*	6m	250	SN10	48.7	308.0
KG.P10.1000.315*	1m	315	SN10	15.2	83.8
KG.P10.3000.315*	3m	315	SN10	39.8	245.7
KG.P10.6000.315*	6m	315	SN10	76.7	488.5
KG.P10.1000.400*	1m	400	SN10	26.8	137.5
KG.P10.3000.400*	3m	400	SN10	67.2	399.3
KG.P10.6000.400*	6m	400	SN10	126.3	790.4
KG.P10.1000.500*	1m	500	SN10	44.7	217.7
KG.P10.3000.500*	3m	500	SN10	110.2	629.3
KG.P10.6000.500*	6m	500	SN10	205.7	1,244.0

* Item available on request, lead time likely.

† Wet weights calculated using full volume filled with water.

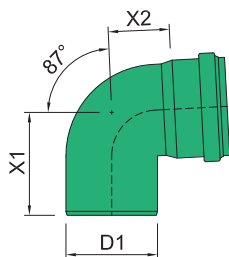
Product No	L	D1	Load Class	Weight (kg)	
				Dry	Wet †
KG.P16.1000.110*	1m	110	SN16	1.8	10.2
KG.P16.3000.110*	3m	110	SN16	4.9	30.0
KG.P16.6000.110*	6m	110	SN16	9.8	60.0
KG.P16.1000.160*	1m	160	SN16	3.7	21.4
KG.P16.3000.160*	3m	160	SN16	9.7	62.9
KG.P16.6000.160*	6m	160	SN16	19.4	125.7
KG.P16.1000.200*	1m	200	SN16	5.9	33.6
KG.P16.3000.200*	3m	200	SN16	16.5	99.4
KG.P16.6000.200*	6m	200	SN16	33.0	198.8
KG.P16.1000.250*	1m	250	SN16	9.3	52.6
KG.P16.3000.250*	3m	250	SN16	25.0	154.7
KG.P16.6000.250*	6m	250	SN16	48.7	308.0
KG.P16.1000.315*	1m	315	SN16	15.2	83.8
KG.P16.3000.315*	3m	315	SN16	39.8	245.7
KG.P16.6000.315*	6m	315	SN16	76.7	488.5
KG.P16.1000.400*	1m	400	SN16	26.8	137.5
KG.P16.3000.400*	3m	400	SN16	67.2	399.3
KG.P16.6000.400*	6m	400	SN16	126.3	790.4
KG.P16.1000.500*	1m	500	SN16	44.7	217.7
KG.P16.3000.500*	3m	500	SN16	110.2	629.3
KG.P16.6000.500*	6m	500	SN16	205.7	1,244.0

* Item available on request, lead time likely.

† Wet weights calculated using full volume filled with water.

■ Bend 87° Socket - Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.

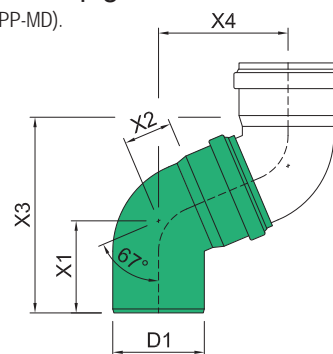


Product No	D1	X1	X2
KG.B.87.110	110	137	65
KG.B.87.160	160	180	91

■ Bend 67° Socket - Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.

Double bend arrangements shown for offset dimensions only - each bend sold separately.

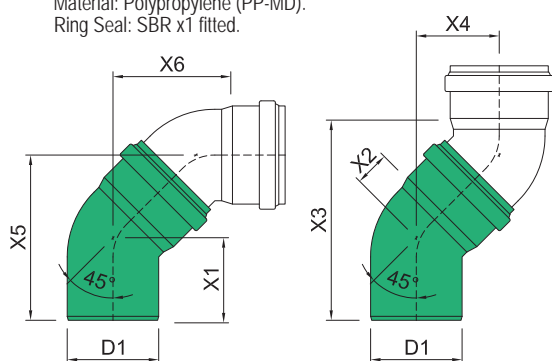


Product No	D1	X1	X2	X3	X4
KG.B.67.110*	110	119	47	235	162
KG.B.67.160*	160	161	69	324	221

* Item available on request, lead time likely.

■ Bend 45° Socket - Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.



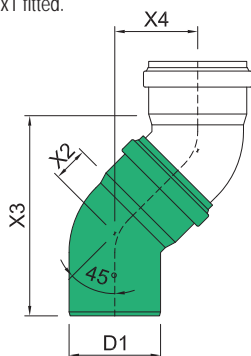
Double bend arrangements shown for offset dimensions only - each bend sold separately.

Product No	D1	X1	X2	X3	X4	X5	X6
KG.B.45.110	110	94	29	217	94	188	123
KG.B.45.160	160	144	45	330	141	285	186
KG.B.45.200	200	189	57	427	181	370	238
KG.B.45.250	250	199	77	478	202	401	279
KG.B.45.315*	315	233	98	572	241	474	339
KG.B.45.400*	400	283	120	695	292	575	412
KG.B.45.500*	500	334	254	1,011	423	757	677

* Item available on request, lead time likely.

■ Bend 30° Socket - Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.



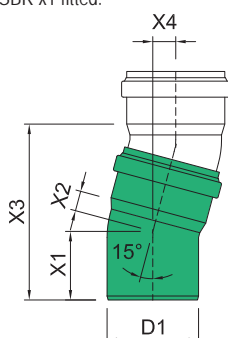
Double bend arrangements shown for offset dimensions only - each bend sold separately.

Product No	D1	X1	X2	X3	X4
KG.B.30.110*	110	95	23	229	64
KG.B.30.160*	160	125	34	305	85
KG.B.30.200*	200	162	46	397	109
KG.B.30.250*	250	297	217	968	262

* Item available on request, lead time likely.

■ Bend 15° Socket - Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.



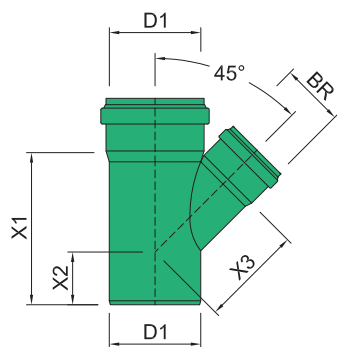
Double bend arrangements shown for offset dimensions only - each bend sold separately.

Product No	D1	X1	X2	X3	X4
KG.B.15.110	110	87	16	212	29
KG.B.15.160	160	120	19	283	39
KG.B.15.200	200	158	31	381	52
KG.B.15.250	250	163	44	417	56
KG.B.15.315*	315	188	56	489	66
KG.B.15.400*	400	220	67	574	77
KG.B.15.500*	500	263	183	886	118

* Item available on request, lead time likely.

Single Junction 45°

Material: Polypropylene (PP-MD).
Ring Seal: SBR x2 fitted.

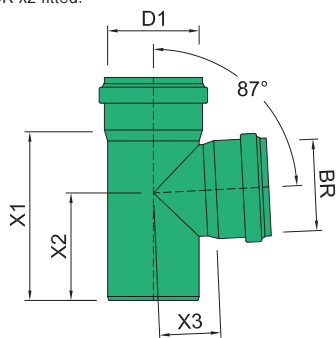


Product No	D1	BR	X1	X2	X3
KG.J.45.110	110	110	228	94	134
KG.J.45.160	160	160	320	125	195
KG.J.45.200	200	200	433	189	244
KG.J.45.250	250	250	500	189	311
KG.J.45.315*	315	315	617	224	393
KG.J.45.400*	400	400	914	231	683
KG.RJ.45.160.110	160	110	250	88	168
KG.RJ.45.200.160	200	160	380	162	221
KG.RJ.45.250.160	250	160	500	189	258
KG.RJ.45.315.160*	315	160	442	192	301
KG.RJ.45.315.200*	315	200	617	224	325
KG.RJ.45.400.160*	400	160	544	18	394
KG.RJ.45.400.200*	400	200	601	46	417
KG.RJ.45.400.315*	400	315			
KG.RJ.45.500.160*	500	160	610	80	490
KG.RJ.45.500.315*	500	315			

* Item available on request, lead time likely.

Single Junction 87°

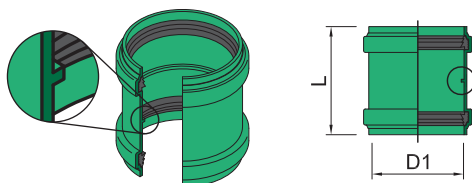
Material: Polypropylene (PP-MD).
Ring Seal: SBR x2 fitted.



Product No	D1	BR	X1	X2	X3
KG.J.87.110	110	110	197	133	64
KG.J.87.160	160	160	279	188	91
KG.RJ.87.160.110	160	110	227	87	141

Double Socket with Centre Stopper

Material: Polypropylene (PP-MD).
Ring Seal: SBR x2 fitted.

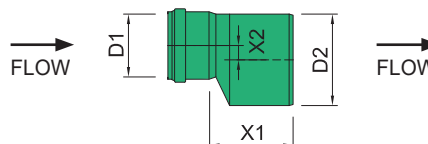


Product No	D1	L
KG.DS.110	110	141
KG.DS.160	160	185
KG.DS.200	200	239
KG.DS.250	250	275
KG.DS.315*	315	299
KG.DS.400*	400	345
KG.DS.500*	500	407

* Item available on request, lead time likely.

Increaser Eccentric Socket > Spigot

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted (D1).

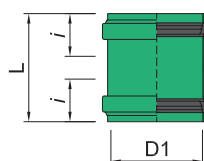


Product No	D1 → D2	X1	X2
KG.IE.160.110	110 160	135	25
KG.IE.200.160	160 200	175	20
KG.IE.250.200	250 200	181	25
KG.IE.315.250*	250 315	215	33
KG.IE.400.315*	315 400	271	43
KG.IE.500.400*	400 500	312	50

* Item available on request, lead time likely.

Repair Coupling Socket - Socket

Material: Polypropylene (PP-MD).
Ring Seal: SBR x2 fitted.



Designed with no centre stopper so the repair coupling can slide entirely over pipe for new fittings to be added and then slid back over the join.

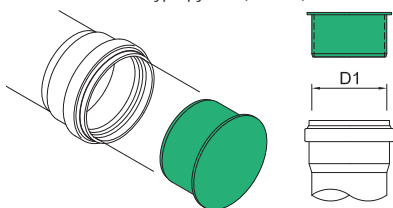
Mark min insertion depth on both spigots to ensure adequate insertion.

Product No	D1	L	i (min)
KG.RC.110	110	141	68
KG.RC.160	160	185	90
KG.RC.200	200	239	110
KG.RC.250	250	275	133
KG.RC.315*	315	299	140
KG.RC.400*	400	345	185
KG.RC.500*	500	394	160

* Item available on request, lead time likely.

■ Plug

Material: Polypropylene (PP-MD).



Installing?

- Leave the ring seal in the KG2000 pipe socket.
- Fully insert the plug into the socket.

If the Plug requires to be secured in place, order a Joint Clamp (sold separately).

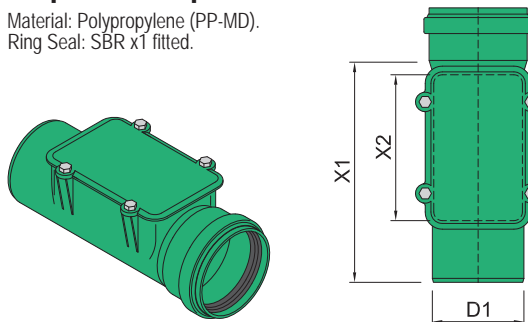
Pipe length shown for clarity, not included.

Product No	D1
KG.PG.110	110
KG.PG.160	160
KG.PG.200*	200
KG.PG.250*	250
KG.PG.315*	315
KG.PG.400*	400
KG.PG.500*	500

* Item available on request, lead time likely.

■ Inspection Pipe

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted.

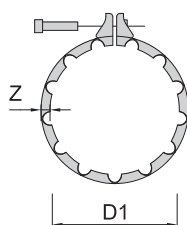


Product No	D1	X1	X2
KG.IP.110	110	308	200
KG.IP.160	160	380	225
KG.IP.200*	200	410	

* Item available on request, lead time likely.

■ Socket Clamp

Material: Metal.



Product No	D1
KG.SCL.110	110
KG.SCL.160*	160
KG.SCL.200*	200
Diameters 250 to 500:	

* Item available on request, lead time likely.

† Above ground on grade and bracketed suitably to prevent movement.

Working Pressures (bar)

In Ground	Clamped Joint*
-0.3 to 3.0	-0.3 to 3.8
-0.3 to 3.0	-0.3 to 3.6
-0.3 to 3.0	-0.3 to 1.9
-0.3 to 3.0	N/A

Socket Clamps are needed where possible pressures or force on a joint could dislodge the spigot or cap from the socket.

Vacuum? We recommend joint clamps are used for vacuum applications.

Installing?

Fit the Socket Clamp over the bump of the socket (as shown dashed above) noting the correct direction...

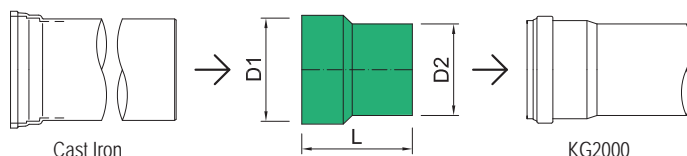
- Small lip edge (fit over the socket),
- Large lip edge (fit over the spigot).

Pipe length shown for clarity, not included.

1 bar = 100 kPa = 14.5 psi

■ Adaptor: Cast Iron

Material: Polypropylene (PP-MD).



Product No	D1 → D2	L
KG.CI.110*	124 110	133

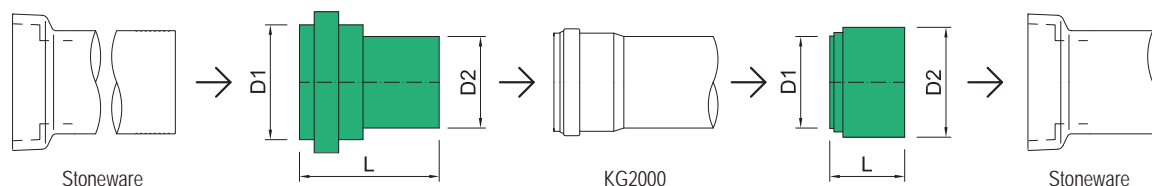
* Item available on request, lead time likely.

Installing?

- Lubricate the Cast Iron spigot.
- Fully insert into the PP-MD fitting socket.
- Bracket/Support suitably to prevent separation.
- Observe the flow rule (arrow direction).

■ Adaptor: Stoneware

Material: Polypropylene (PP-MD).
Ring Seal: SBR x1 fitted (D1) in each fitting.



Product No	D1 → D2	L
KG.SWSP.110*	138 110	168
KG.SWSP.160*	194 160	226

* Item available on request, lead time likely.

Installing?

- Lubricate the stoneware spigot.
- Fully insert into the PP-MD fitting socket.
- Bracket/Support suitably to prevent separation.
- Observe the flow rule (arrow direction).

Product No	D1 → D2	L
KG.SWS.110*	110 132	90
KG.SWS.160*	160 187	97

* Item available on request, lead time likely.

Installing?

- Lubricate the polypropylene spigots.
- Fully insert into both the PP-MD & stoneware sockets.
- Bracket/Support suitably to prevent separation.
- Observe the flow rule (arrow direction).

Technical Guide

AusPress Polypropylene Drainage Products

The following information is only a guide. All work must comply with AS/NZ 3500 and any other relevant standards applicable to the installation.

For specific installation assistance, or if you're in doubt, please contact us before proceeding.

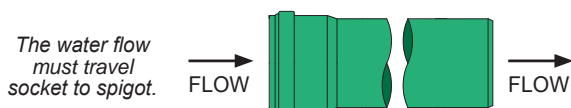
As with all work using tools, the following points are to be adhered to and understood, along with the general safety practices such as wearing suitable clothing and equipment, being alert and focused, keeping the work area clear of obstacles and observing WHS (OH&S) requirements.

Installing KG2000 Drainage

Polypropylene Drainage Pipe & Fittings

The socket-spigot polypropylene (PP-MD) drainage system comprises directional pipe and fittings (installed with flow into the socket, out the spigot) with the socket pre-fitted with a rubber ring to seal each join.

Refer to the installation guide at the front of the catalogue section for more information.

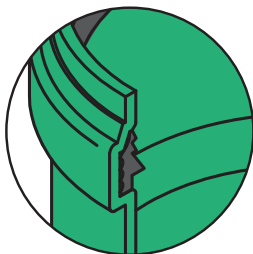


1. Ring Seals

- Ring seals are fitted to each socket end with an SBR type supplied pre-fitted as standard.
- Check the ring seal is free of debris and the correct type of seal is fitted for the application and temperatures to be used.

Not sure? Ask!

- Ensure the 3-lip ring seal is fitted correctly with taper facing inward (see image).
- Replace the seal if damaged, unsure or incorrect. Remove the seal to see the type labelled on the inside flat surface of the ring seal.



Material	Colour	Application†	Temp Range
SBR (Styrene-butadiene)	Black	General use	-20° to +90°C
NBR (Nitrile butadiene)	Black	Oil & fuels	-20° to +90°C

† Confirm suitability with AusPress prior to installation.

2. Joining

- Apply lubricant to ring seal & outside of spigots.
- Preferred lubricant is silicon based (such as Super Glidex) but an approved soap based lubricant can also be used. Grease is not to be used as this may damage ring seals.
- Push the spigot into the socket fully with a slight turning movement.
- Mark the spigot end to identify the full insertion depth with a waterproof permanent texta.
- Joint is then pulled back 10-12mm to allow for expansion and contraction within the socket.

3. In-Ground Installation

The KG2000 system is suitable for in-ground installation following AS/NZS 2566.1, especially;

- Bedding and surrounding fill is to support the full length of the pipework and,
- A minimum bed thickness of 100mm fine soil or sand below the pipework (150mm if trench rocky or solid for example concrete) and,
- In heavy duty areas (SLW 60) coverage shall be between 0.8 and 6m in depth above the pipework to the underside of ground level or structure (such as road base).

4. Good Practice

- Preference installing 45° branches.
- All main horizontal 90 degree direction changes should be made using 2 x 45° bends with a minimum 150mm length between.
- Venting procedures must comply with AS/NZ 3500.

5. Welding

If welding is to be carried out, written approval must be obtained from AusPress first.

Bracketing, Above Ground Graded Suspended & Vertical

- Bracketing is to comply with AS/NZ 3500.
- Spacing distances apply to continuous straight lengths.
- Installation is to be designed to suitably support the drainage system at full volume and accommodate any external loads or movement (thermal or otherwise).
- At joins in the suspended drainage, additional fixing points must be placed that either the branch, or the through pipe, is held directly under the sleeve (not on the socket part).
- Changes in direction shall be supported with suitable bracketing to prevent movement & the join separating.
- Consideration for forces against change in directions (including vertical drops) must be provided to suit and securing any joins as part of the installation (such as thrust blocks).

Diameters:		110 - 315mm	400 & 500mm
Support Spacing (max)	Graded	1.0m	Not Suitable
	Vertical	2.0m	2.0m

As per AS 3500, Table 9.1.
AS 3500 is limited to DN300 (315mm) in diameter.
Engineer assessment and confirmation is recommended.

Working with Concrete

Polypropylene is suitable to be embedded in concrete with the following precautions;

- Protect the joint to prevent concrete entering the socket,
- Ensure the pipes do not uplift with supports consistently along the drainage to prevent sagging points,
- Thermal movement is allowed for the installation.

Fire Collars

When passing through fire-rated building elements, the installation of a fire collar is not to be positioned over the socket part of the pipe or fittings. Collars are to be installed as per manufacturers instructions. Consult standards for local requirements.

Chemical Suitability

Although highly chemical resistant, some chemicals are not suitable for polypropylene, diluted or otherwise. Please confirm suitability with the chemical manufacturer before use or contact AusPress for an assessment.

Complete a Project Info Sheet with the relevant MSDS and details from our website.

Heat Tracing

KG2000 is suitable for heat tracing - please contact us for more information. Note to specify the NBR seal for grease and oil based contaminants.

Expansion & Contraction

Pipes in any direction (including horizontal suspended and horizontal in-ground) must be supported to prevent the force arising through heat expansion can neither bend the pipes nor pull the spigot ends from the sockets.

The formula $E=L\Delta T\alpha$ calculates the expected expansion of polypropylene (PP) with change in temperature where $\alpha=0.035 \times 10^{-6}\text{m/mK}$. The thermal coefficient of PP is much lower than other plastics including HDPE and PVC.

Ensure the spigot ends are retracted the 10-12mm from the socket after full insertion.

Commissioning & Maintenance

In most environments, little or no maintenance is necessary.

Ensure wash down waters or waste debris do not contain chemicals that are not suitable for polypropylene.

In especially demanding environments, such as food processing, chemical industries and agriculture, it may be necessary to clean to avoid coating. Cleaning can be carried out with high-pressure cleaning or high pressure flushing equipment using potable water. Avoid scratching or roughing the pipe surface with equipment.

In cases of difficulty, users should consult us for technical advice.

Disinfecting the System

This is carried out to meet more stringent hygiene requirements and in the event of severe microbial contamination. Contact us for more information.

To protect the environment and simplify handling, the Australian Drinking Water Guidelines (ADWG) recommend the use of hydrogen peroxide, however chlorine can also be used to disinfect.

Before commissioning the system carefully follow the instructions for use, particularly in relation to the contact time, maximum solution concentration and subsequent flushing requirements.

Note: During disinfection do not exceed the maximum chlorine concentration and contact times as tabled below:

- The Australian water regulations allow dosing with up to 1.2mg/l of free chlorine in the disinfectant solution, provided a limit of 0.3mg/l of free (active) chlorine is not exceeded in the drinking water.
- Quantities can be increased to 6mg/l and 0.6mg/l respectively in exceptional circumstances for example, high or increased micro bacterial contamination.

Flushing the System

It is sufficient to simply flush the system with potable (drinking) water.

When using any solution, ensure the system is flushed correctly and the manufactures instructions are followed in an accurate and safe manner at all times.

Chemicals are to be confirmed suitable with polypropylene and within temperature limits of the system prior to flushing the system.

Commissioning

Systems must be commissioned in accordance with the applicable standards and regulations.

The installation contractor must familiarise the user(s) with the system. This is to be documented with a hand-over and acceptance record.

The user must also be provided with the manufacturer's maintenance and operating instructions for all installed valves and equipment.

Technical Guide

AusPress Stainless Drainage Products

The following information is only a guide. All work must comply with AS/NZ 3500 and any other relevant standards applicable to the installation. **For specific installation assistance, or if you're in doubt, please contact us before proceeding.**

As with all work using tools, the following points are to be adhered to and understood, along with the general safety practices such as wearing suitable clothing and equipment, being alert and focused, keeping the work area clear of obstacles and observing WHS (OH&S) requirements.

Installing Stainless Drainage

Stainless Drainage Pipe & Fittings

The socket-spigot stainless drainage system comprises directional pipe and fittings (installed with flow into the socket, out the spigot) with the socket pre-fitted with a rubber ring to seal each join.

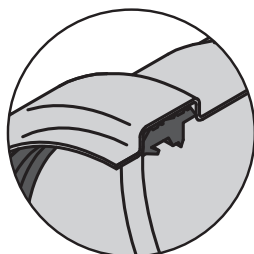
Refer to the installation guides at the front of each AusPress Drainage catalogue section for more information.

1. Cutting

- Stainless drainage pipe lengths are supplied in set lengths from 150mm through to 6.0m and may be cold cut using an approved pipe cutter that creates a bevel on the pipe end and assists fitting. Care should be taken as cut ends could be sharp.
- Do NOT cut with drop saws or angle grinders.
- Ensure the socket is retained on pipe lengths when cutting shorter. Spigot-spigot pipe lengths are not recommended.

2. Ring Seals

- Ring seals are fitted to each socket end with an EPDM type supplied pre-fitted as standard.
- Check the ring seal is free of debris and the correct type of seal is fitted for the application and temperatures to be used. **Not sure? Ask!**
- Ensure the ring seal is fitted correctly with taper facing outward (see image).
- Replace the seal if unsure or incorrect. Remove the seal to see the type labelled on the inside flat surface of the ring seal.

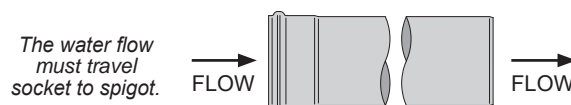


Material	Colour	Application [‡]	Operating Temp
EPDM	Black (Dull)	General use.	-40° to +100°C
FPM	Green (or Purple)	High temp, gas, oil, fuel.	-25° to +200°C
NBR	Black (Shiny)	Gas, oil, fuel.	-30° to +80°C

[‡] Confirm with AusPress prior to installation.

3. Joining

- Apply lubricant to ring seal & outside of spigots.
- Preferred lubricant is silicon based (such as Super Glidex) but an approved soap based lubricant can also be used. Grease is not to be used as this may damage ring seals.



- Push the spigot into the socket fully with a slight turning movement.
- Joint is then pulled back 5mm to 10mm to allow for expansion and contraction within the socket.

4. In-Ground Installation

- When stainless drainage products are being installed in-ground, grade 316L stainless is recommended.
- Bedding and surrounding fill is to be a minimum thickness of 50mm pH neutral sand, free of chlorides and/or salts.
- Crushed aggregate or fine gravel is NOT to be used.
- Wrapping of inground drainage is not required for standard applications - contact us if wrapping is required for your installation.

NOTE: Check with us prior to installation if soil is constantly damp, wet or subject to often or occasional high water table levels, reclaimed or contaminated soil or soil of unknown origin is used!

5. Bracketing

- Bracketing is to comply with AS/NZ 3500.
- If a dissimilar bracket metal is used, a protective isolation barrier is to be provided between the stainless surface and the bracket.
- Changes of direction on main suspended drainage should be bracketed in both directions as close as possible to bend, to prevent lateral movement.
- Extra bracketing may also be required at socket joints to prevent sagging.

6. Good Practice

- Preference installing 45° branches.
- All main horizontal 90 degree direction changes should be made using 2 x 45° bends with a minimum 150mm length between.
- Venting procedures must comply with AS/NZ 3500.

7. Welding

If welding is to be carried out, prior approval must be obtained from AusPress. Purge-welding procedures must be undertaken and all welds are to be pickled and passivated prior to installation and backfilling.

8. Special Applications

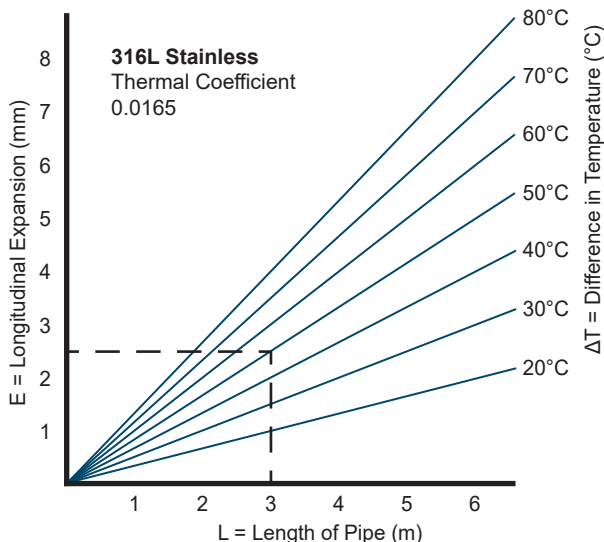
Stainless drainage pipe and fitting products can be used for special applications such as ducting, vacuum, siphonic drainage and low pressure pumping applications. Please consult us for technical advice and vacuum specific products.

Expansion & Contraction

Pipes in any direction (including horizontal suspended and horizontal in ground) must be supported to prevent the force arising through heat expansion can neither bend the pipes nor pull the spigot ends from the sockets.

Expansion Sockets are available for larger expansion and contraction movements.

The below graphs the expected expansion of grade 316 stainless steel with change in temperature. This is expressed as the formula $E=L\Delta T\alpha$



For example:
A 3m length pipe at ambient temperature (20°C) is filled with 70°C hot water. The temperature difference of 50°C (70°C minus 20°C) expands the grade 316L stainless longitudinally approximately 2.5mm overall.

Stainless has a very low coefficient of expansion under normal conditions; as a general rule, fixing points and expansion sleeves may be omitted if the temperature remains under 100°C and the maximum straight run of pipework is under 40m. Spigot ends must be pulled the 5 to 10mm from the socket after full insertion.

Suspended Horizontal Installation

Diameter	Support Spacing
50mm	2.2m
75mm	2.5m
110mm	2.8m
160mm	3.3m
200mm	3.0m
250mm	3.0m
315mm	3.0m

The distance between the suspended supports must be calculated on the basis of a permissible 1mm bending of the pipe. The bending for a single mounting is calculated for a water-filled pipe.

Spacing distances apply to continuous straight lengths. At joins in the suspended drainage, additional fixing points must be placed that either the branch or the through pipe is held directly under the sleeve (not on the socket part). Changes in direction shall be supported with suitable bracketing to prevent movement & the join separating.

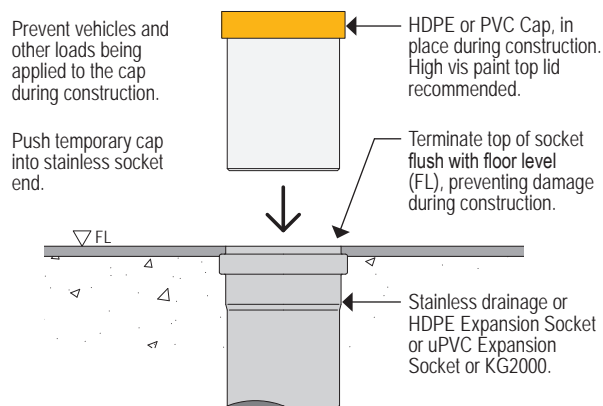
If this is not possible, the span between fixing points must be reduced by half or, as an alternative, Joint Clamps can be installed for stability.

Vertical Installation

- 3.0m maximum gap between each support or designed to support water-filled pipe plus any expected loads.
- Where larger inlets are connected, the pipe must be secured immediately below the inlet and under (not on) each socket.
- Consideration for forces against change in directions for vertical drops must be provided to suit and securing any joins as part of the installation.

Connecting at Floor Level

Protecting the drainage & socket from damage & debris.



Fire Protection

Stainless drainage is a class A1 fire resistant product (highest rating) and certified as non-combustible (EN1124 parts 1 & 2).

Penetrations that require fire rating can be sealed between the opening and stainless pipe with a suitably rated mortar or insulation/mastic product that is compatible with stainless steel (eg low chloride). Fire collars are not required for stainless pipework. Consult standards for local requirements.

Vacuum & Siphonic

Stainless drainage is suitable for vacuum (sewer) piping and siphonic (rainwater) installations. We recommended these systems are professionally designed - we have more information on request.

The material strength of stainless provides a high resistance to implosion and the rigid lengths are lightweight to install. We recommend Joint Clamps are used on each join and bracketing to resist the vibrations at 3m internals maximum or at a change in direction.

Handling & Surface Finish

Stainless is resistant and durable but care must be given during transport and installation to not damage the shape or stainless surface.

Storing: Ensure stainless is kept suitably protected from contaminants, welding and/or grinding sparks, excessive weight or over stacked. Long lengths are recommended to be handled by more than one person.

Mill Finish: A dull surface finish, suitable for drainage however not suitable for exposed or aesthetic applications (such as downpipes as it shows fingerprints). For exposed installations, polishing the external surface is available on request.

Installing Floor Gully & Channel

Stainless Drain Bowls & Channel Bases

Both these systems are installed with the body/base fixed into position permanently with the accessories including grates, filter basket and fowl air trap (FAT) fitted into the body/base afterwards.

These instructions are based on common installation situations for our products. If conditions, requirements or situations vary, contact AusPress for advice before installing. Other elements, including structural, are to be designed and specified by suitably qualified others and shown here for illustration purposes only.

1. Preparation

If to be installed in a recess, it should have a minimum 50mm gap on all edges (eg the cutout is 100mm wider overall than the channel) and 50mm deeper than the outer dimensions.

- Remember to allow for the anchor tags and levelling angles in sizing the cutout hole size.
- If connecting to metric drainage such as ACO Pipe®, Blucher® EuroPipe or KG2000®, the outlet spigot will push into a socket end connection. For HDPE and PVC, use an expansion socket; for cast iron use an 'Ensign' joining socket.
- Standard outlet dimensions are 110mm and 160mm outside diameter (OD).

2. Installing

Points are illustrated in the adjacent diagrams.

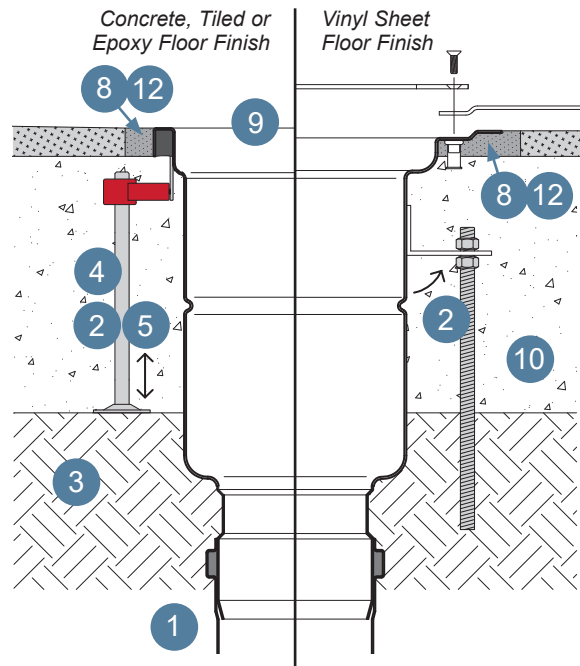
- Ensure drainage piping is set up at correct height to suit depth of floor drain chosen (refer to technical information for measurements).
- Position the support brackets for threaded rod or the supplied support legs to suitably support the drain bowl or channel base from moving.
- Ensure appropriate moisture barriers are used to prevent corrosion as best practice construction, such as under each support leg stand for suspended slabs.
- Place the drain bowl or channel into position and align with the levelling supports.
Long channels with bolted flanges will require this to be completed in sections and with multiple people to prevent the channel from torquing.
- Adjust each of the supports to adjust & level the drain bowl or channel to the correct height. Threaded rod is recommended to be secured with a second nut, one each side of the tag.
- Tie anchor tags to steel reinforcement. This will help prevent movement or floating during concreting and earth the drain bowl or channel.
- Confirm the drain bowl is at correct height and is level.
- Install 10mm thick x 20mm deep styrene foam to outside perimeter of the top of the drain bowl or channel edge.
- Protect the opening with plywood or similar to ensure concrete and other foreign matter does not enter during construction.

- Concrete footing is poured.
- After concrete is set, and before final floor finish is applied (eg epoxy coating), remove the styrene foam from around outside perimeter.
- Fill the gap made by the foam with an approved polyurethane sealant (such as Sikaflex-11FC) as per manufacturer's instructions and ensuring the product installation procedures are adhered to.

Two common methods are used to secure & level the drain bowl or channel when installing are shown below.

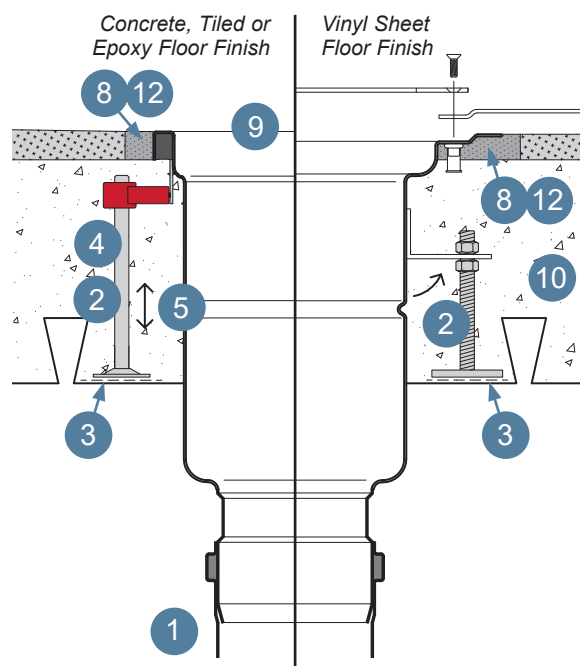
Method A – In Ground

Use the easy adjust support legs or threaded rod.



Method B – Suspended Slab

Use the easy adjust support legs or threaded rod.



Continued...

3. Installing Grates and Accessories

- We recommend installing the grates and accessories as part of commissioning to prevent damage or loss of items during construction.
- Remove any protective covering only if no damage can occur to the drain bowl or channel before use.
- Fit the grate and accessories within the drain bowl as supplied. If a removable Fowl Air Trap (FAT) is supplied, fit the rubber seal over the drain bowl bump first, then fit the FAT to the seal. The filter basket must be positioned above the removable Fowl Air Trap (FAT) within the drain bowl.
- Confirm the grating fitted is suitable for the traffic load and application prior to use.
- Prevent construction traffic, scissor lifts, forklifts, vehicles or heavy loads from driving over an unprotected floor gully or channel.

4. Bolted Flange Connections

Channels manufactured with bolted connections are supplied with the fixings and a Viton rubber gasket to assemble and join the channel sections together. Tighten bolts evenly and ensure the gasket is not over or under compressed.

5. Special Installation Notes

Site materials can contaminate and damage the surfaces. Ensure the drain bowl and channel are clear of debris and cleaned in the approved method to avoid damage.

It is recommended that channels greater than 2.5m in length or irregular shapes be handled and installed with multiple people. This is to prevent the channel from accidental twisting and being damaged.

6. Flow Rates

Depending on the accessories installed and the drain bowl selected, the flow rates are expected based on 'clean' continuous flow of water, without solids. Flows with solids or contaminated water will experience lesser values.

Use the component with the lowest flow rate value when making flow calculations. Accessories such as Filter Baskets, Secondary Strainers and Silt Baskets will restrict the flow further, whether clean or otherwise.

Corrosion Resistance

Resistance Against Corrosion

316 stainless steel is resistant to corrosion when it is exposed to clean atmosphere (ambient air). The probability of corrosion is increased by contact with corrosion-promoting construction materials or by installation in corrosive atmospheres such as coastal areas or chemical production facilities.

We offer technical advice and have access to metallurgist specialists for water quality & purity testing for specialised applications or projects with specific needs.

External Surface Protection

High ground water, external conditions such as coastal environments and contaminated soils can all effect the external surface of stainless steel drainage.

In areas where a risk of damaging effects exists, installation of stainless without protection should be avoided.

If there is the risk of corrosive substances (eg. unsuitably high chloride content waters, plaster, building materials containing chloride, specialised concrete, high ground water levels, nitrite or ammonium) acting on the drainage over prolonged periods, surface-mounting or suitable corrosion protection is recommended.

Protection against external corrosion must meet the following requirements:

- Waterproof.
- Non-porous.
- Resistant to heat and ageing.
- Undamaged.

The minimum protection against external corrosion is coating, priming or painting. Denso® wrapping is also suitable. Plastic wrapping is not recommended. Contact AusPress for recommended protection options.

Potable Water

- Corrosion-resistant steels do not react with potable water due to their protective chromium oxide layer. This makes stainless steel corrosion-resistant to potable water.
- Local corrosion effects such as pitting or crevice corrosion can occur in water with unduly high chloride content. This can occur from excessive chlorous disinfectant use or naturally occurring such as in bore water. Therefore, the duration of application and concentration for use must be strictly observed.
- The content of water-soluble chloride ions at ambient temperature in potable water and water which is similar to potable water should not exceed 250 mg/l (250 ppm).
- Corrosion resistance decreases as the temperature increases. Therefore, AusPress must be notified of maximum media temperature and media contents (eg water analysis) to enable a suitability recommendation.

Treated Water

All water treatment methods such as ion exchange or reverse osmosis can be used with grade 316 stainless steel. No additional measures to protect against corrosion are necessary.

Stainless steel is corrosion-resistant to treated water such as:

- Softened/decarbonised water.
- Fully desalinated water (deionised, demineralised, distilled and pure condensates).
- Ultrapure water with a conductivity of $< 0.1 \mu\text{S/cm}$.

Chemical Suitability

Some chemicals are not suitable for stainless steel, diluted or otherwise. Please confirm suitability with the chemical manufacturer before use or contact AusPress for an assessment.

Complete a Project Info Sheet with the relevant MSDS and details from our website.

Commissioning & Maintenance

Stainless products require little maintenance. In most environments, little or no maintenance is necessary. This would include wet areas and shower rooms with no washdown debris.

We recommend installing the grates and accessories as part of commissioning to prevent damage during construction.

Please ensure wash down waters or waste debris do not contain chemicals that are either high in chlorides or not suitable for stainless.

Care is to be taken to prevent scratching the stainless steel surface. Avoid any contact with, grinding and welding sparks, metal shavings, corrosive chemicals or any material or process which may cause failure during construction and also from future maintenance.

Ensure that all drains and accessories are properly "dry" cleaned to remove any foreign products from drain bowls etc, before initial wet clean. A visual inspection is recommended if any rust spots appear caused by these foreign products, please ensure these are removed using a scotch bright cleaning pad only, then thoroughly washed out with cold potable water. This process should also be followed after any maintenance once plant is commissioned.

In especially demanding environments, such as food processing, chemical industries and agriculture, it may be necessary to clean to avoid coating that could lead to corrosion later. Cleaning can be carried out with high-pressure cleaning or high pressure flushing equipment using potable water.

If installed in locations effected by coastal conditions, a regular cleaning regime must be implemented to remove external salts and contaminants from the stainless.

Where there is heavy coating, plastic or brass tools can be used. With especially persistent coating, diluted citric acid can be used to loosen the deposit. This must be flushed with large quantities of cold potable water afterwards.

Cleaning of drains, including the emptying of filter basket, is to be performed at least once every shift and when required.

In cases of difficulty, users should consult us for technical advice.

Disinfecting the System

This is carried out to meet more stringent hygiene requirements, and in the event of severe microbial contamination. Contact us for more information.

To protect the environment and simplify handling, the Australian Drinking Water Guidelines (ADWG) recommend the use of hydrogen peroxide, however chlorine can also be used to disinfect.

Before commissioning the system carefully follow the instructions for use, particularly in relation to the contact time, maximum solution concentration and subsequent flushing requirements.

Note: To reliably prevent corrosion damage, during disinfection do not exceed the maximum chlorine concentration and contact times as tabled below:

- The Australian water regulations allow dosing with up to 1.2mg/l of free chlorine in the disinfectant solution, provided a limit of 0.3mg/l of free (active) chlorine is not exceeded in the drinking water.
- Quantities can be increased to 6mg/l and 0.6mg/l respectively in exceptional circumstances for example, high or increased micro bacterial contamination.

Flushing the System

In the case of stainless steel, the possibility of corrosion promoted by foreign matter such as dirt or swarf can be ruled out. It is therefore sufficient to simply flush the system with potable (drinking) water ensuring the content of water-soluble chloride ions is within approved AusPress limits.

When using any solution, ensure the system is flushed correctly and the manufactures instructions are followed in an accurate and safe manner at all times.

Commissioning

Systems must be commissioned in accordance with the applicable standards and regulations.

The installation contractor must familiarise the user(s) with the system. This is to be documented with a hand-over and acceptance record.

The user must also be provided with the manufacturer's maintenance and operating instructions for all installed valves and equipment.

