

CIVIL AND COMMERCIAL CATALOGUE

TERMS AND CONDITIONS

1. General

- 1.1 In these terms and conditions, unless the context otherwise requires;
"Everhard" means Everhard Industries Pty Ltd. (ABN 41 009 690 859) and any company with Everhard as part of its name includes the agents, employees, successors and assigns of those companies.
"Purchaser" means a person who buys or agrees to buy goods from Everhard and includes employees, agents, successors, administrators and assigns of the Purchaser
"Goods" means any item available for sale to the Purchaser by Everhard.

2. Payment

- 2.1 Payment is made when cash is received, or if payment is by cheque, when the cheque is cleared into the bank account of Everhard.
- 2.2 All goods shall be paid for in cash on or prior to delivery unless Everhard has agreed to supply goods on credit to the purchaser. In this case;
- (a) Payment for goods and other amounts payable to Everhard is to be made within thirty (30) days of the last day of the month of invoice showing those amounts as owing;
- (b) The purchaser named in the application for credit to Everhard shall be and remain liable for all amounts owing to Everhard in relation to any goods or services supplied on the basis of that application, notwithstanding any change in ownership or stricture of the Purchaser, until such time as a fresh application for credit in the name of the Purchaser as changed is submitted to and approved by Everhard.
- (c) Amounts owing by the Purchaser to Everhard at anytime must not exceed a limit to be determined by Everhard from time to time and advised to the Purchaser in writing. Everhard may revise this credit limit at any time for any reason.
- (d) The Purchaser agrees to keep Everhard fully notified of all changes in name, address, structure and ownership.

3. Delivery

- 3.1 Unless otherwise agreed Everhard will deliver goods to an address specified by the Purchaser in such cases;
- (a) The Purchaser shall pay all charges associated with delivery unless otherwise agreed;
- (b) Delivery shall be deemed to occur upon the arrival of the goods at the agreed delivery address;
- (c) Everhard's responsibilities for delivery ceases at the kerb side of the delivery address, and in particular Everhard shall not be in any way responsible in relation to any delivery across land. If Everhard agrees, at the Purchaser's request, to deliver across land, the Purchaser specifically acknowledges that such delivery is at the risk of the purchaser and Everhard shall not be liable for any costs or losses suffered by any person in connection with that delivery.
- (d) The Purchaser shall be present at the agreed place for delivery, if not present Everhard may unload the goods at that place in which case it will not be responsible for any claims, costs or losses arising therefore.
- 3.2 A quantity description, date, time and place of delivery of goods as indicated on Everhard's invoice or delivery docket or copies thereof shall be conclusive evidence of the quantity, description, date, time and place of delivery of goods.
- 3.3 In the event that a delivery date is nominated by the Purchaser, Everhard shall take reasonable steps to achieve delivery on or about that date. However no promise is given that the goods will be available on that date, notwithstanding any purported term to that effect in any contract for delivery of goods and Everhard shall not be liable for any loss (including consequential loss) for failure or delay in delivery. In no case shall Everhard be liable for any amount payable by the Purchaser to a third party as a result of a failure of delay by Everhard due to any cause whatsoever.
- 3.4 In the event Everhard elects to accept a return of goods supplied, it will credit the Purchaser the price of the goods, less delivery, handling and storage charges.
- 3.5 Delivery vehicles waiting time on site will be charged as per current price list or as advised at time of order placement.

4. Inspection

- 4.1 The Purchaser shall inspect the goods immediately upon delivery, and carry out any tests that a prudent purchaser would carry out. Any alleged deficiency or irregularity in quantity or description, or any faults or defects must be notified to Everhard in writing within seven (7) working days of delivery.
- 4.2 If no notice is given by the Purchaser to Everhard in accordance with clause 4.1 above, the Purchaser shall be deemed to have accepted that the goods are strictly in accordance with the contract for supply of goods as to description and quantity, are not faulty, comply with all relevant specifications and standards, and are of merchantable quality and suitable for the purpose for which they are designed, and the Purchaser shall lose any right (or alleged right) to reject the goods or claim any remedy whatsoever (including damages) against Everhard in relation to any of the above, and the Purchaser will indemnify Everhard against any claim made by any person arising out of goods accepted under this clause, whether or not such goods are damaged or defective.

- 4.3 A 15% handling fee may be charged for the return of goods which have been incorrectly ordered or are no longer required by the customer.

5. Warranties and Exclusions

- 5.1 Except as otherwise expressly provided by the Trade Practices Act 1974, or other legislation, all conditions, warranties and representations not expressly made in writing in relation to a particular order of particular goods, or appearing in these Terms and Conditions, are hereby expressly negated and excluded.
- 5.2 The Purchaser acknowledges that otherwise than contained herein, no warranty, promise or representation has been made regarding the quantity, fitness for use, suitability or merchantability of goods for any purpose whatsoever. The Purchaser further acknowledges that any advice, information or service provided by Everhard has been given in good faith and without any liability or responsibility whatsoever on the part of Everhard, and in the choice of goods and the assessment of their suitability for the purpose required the Purchaser has entirely upon its own knowledge, skill and judgement and has relied upon the skill and judgement of Everhard.
- 5.3 Descriptions of goods contained in material produced by Everhard are given as a general guide only and do not form part of the description of goods. Everhard shall not be liable for any mis-description, omission or inaccuracy in such material.
- 5.4 Any liability of Everhard with respect to goods shall arise in accordance with these Terms and Conditions only and shall be limited to the replacement of the goods, the repair of the goods, the payment of the cost of replacing the goods or the payment of the cost of repairing the goods as Everhard may elect and in particular Everhard shall not be Liable for any consequential loss whatsoever.

6. Property and Risk

- 6.1 The risk in the goods shall pass to the Purchaser upon delivery. The Purchaser shall insure the goods against loss or damage from this time.
- 6.2 Notwithstanding the passing of risk all goods delivered by Everhard to the Purchaser remain the property of Everhard until;
- (a) All goods supplied by Everhard to the Purchaser have been paid for in full and;
- (b) All other in debtless of the Purchaser to Everhard on any account whatsoever has been satisfied.
- Until that time the Purchaser may sell the goods in the ordinary course of its business as agent for Everhard, and the proceeds shall be held in trust for and as the property of Everhard. Prior to any such sale, the Purchaser shall hold possession of the goods for and on behalf of and as bailee for Everhard and not in its own behalf, and shall return the goods to Everhard on demand.
- 6.3 The Purchaser shall provide access to Everhard to the Purchaser's premises at any reasonable time to enable Everhard to enforce clause 6.2 above.

7. Default

- 7.1 In the event that the Purchaser or a company related to the Purchaser fails or neglects to pay Everhard for goods in strict accordance with these Terms and Conditions or ceases or threatens to cease to conduct its business in the normal manner then an Event of Default has occurred.
- 7.2 When an Event of Default has occurred then;
- (a) The full price of all goods and services supplied to the Purchaser by Everhard and all other amounts payable by the Purchaser to Everhard shall immediately become due and owing to Everhard and payable upon demand.
- (b) Any monies held by Everhard to the credit of the Purchaser shall be forfeited to Everhard.
- (c) Everhard may without notice enter onto the premises where goods are stored by the Purchaser to recover possession of goods in which title has not passed in accordance with clause 6.2.
- (d) The purchaser acknowledges that if it should mix the goods with other products, then the right of Everhard to take possession of the goods extends to the right to take possession of the new products provided that the goods are still capable of separate identification.
- (e) In order to secure payment of all monies for which the Purchaser may become liable to pay Everhard hereunder, the purchaser hereby changes a beneficial owner all of the purchasers freehold and leasehold interest in land both in which the purchaser is now possessed and which may hereafter acquire, along with all of the purchasers personal property both presently owned by the purchaser and that which the purchaser may hereafter acquire. The purchaser further agrees that immediately upon demand being made upon the purchaser by Everhard the purchaser shall deliver to Everhard such Bill of Mortgage or Bill of Encumbrance, or such other instrument of security or consent to caveat as Everhard may require, duly executed or consented to by the purchaser in the event that the purchaser should neglect to fail to deliver the requested instrument or security, the purchaser hereby appoints Everhard to be the purchaser's lawful attorney for the purpose of executing and registering such instruments.
- (f) Everhard may treat the Event of Default as a repudiation of any contract for the supply of goods by the Purchaser, and terminate any such contract.
- 7.3 For the avoidance of doubt, the Supplier's interest constitutes a "purchase money security interest" pursuant to the Personal Property Securities Act 2009.

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Concrete Septic Tanks & Parts			
All septic tanks come with light duty lids as standard.			
1600L Concrete Septic Tank & Parts			
11010	1600L concrete septic tank complete	Y	1520
11510	1600L septic tank case only	Y	1303
11610	1600L Light duty concrete lid only c/w plastic manhole cover	Y	209
66001	1600L Heavy duty concrete lid 1370 dia x 150 thick (no inspection openings)	Y	430
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
3000L Concrete Septic Tank & Parts			
11028	3000L concrete septic tank complete	Y	2700
11029	3000L concrete septic tank complete with partition	Y	3100
11528	3000L septic tank case only	Y	2000
11628	3000L Light duty concrete lid only c/w plastic manhole cover	Y	373
66070	3000L Heavy duty concrete lid 1980 dia x 175 thick (no inspection openings)	Y	1017
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11835	3000L septic tank riser - 300mm high	Y	352
11836	3000L septic tank riser - 450mm high	Y	474
11839	3000L septic tank riser - 600mm high	Y	704
3900L Concrete Septic Tank & Parts			
11030	3900L concrete septic tank complete	Y	2647
11434	3900L concrete septic tank complete with partition	Y	2997
11530	3900L septic tank case only	Y	2100
11630	3900L Light duty concrete lid only c/w plastic manhole cover	Y	480
66070	3900L Heavy duty concrete lid 1980 dia x 175 thick (no inspection openings)	Y	1017
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11838	3900L septic tank riser - 450mm high	Y	516
11831	3900L septic tank riser - 600mm high	Y	540
11832	3900L septic tank riser - 900mm high	Y	810
6000L Concrete Septic Tank & Parts			
11192	6000L septic tank complete	Y	4040
11592	6000L septic tank case only	Y	3140
11692	6000L Light duty concrete lid only c/w plastic manhole cover	Y	900
66119	6000L Heavy duty concrete lid 2600 dia x 250 thick (no inspection openings)	mto	3260
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11885	6000L septic tank riser - 300mm high	Y	320
11887	6000L septic tank riser - 600mm high	Y	640
General Concrete Septic Tank Parts			
11930	Septic tank compression ring	Y	1
11910	Concrete septic tank manhole cover only	Y	45
11920	Concrete septic tank peep-eye	Y	2
87144	Concrete septic tank polymer manhole cover	Y	3
87171	Concrete septic tank polymer peep-eye cover	Y	1
84800	Septic tank polymer junction	Y	1
80049	Xtra treat outlet filter to suit concrete tanks	Y	1
Concrete Pumpwells & Parts			
All Pumpwells come with light duty lids as standard.			
450L Pumpwell & Parts			
12010	Concrete 450L pumpwell complete	Y	830
12510	Concrete 450L pumpwell case only	Y	713
12600	Concrete 450L pumpwell with Light duty lid only	Y	96
66452	Concrete 450L pumpwell with Heavy duty lid 1130 dia x 150 thick & ø600 hole (no inspection openings)	Y	275
14761	Class D Solid Cast Iron cover/frame ø600	Y	68

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
1000L Pumpwell & Parts			
12030	Concrete 1000L pumpwell complete	Y	1148
12530	Concrete 1000L pumpwell case only	Y	980
12630	Concrete 1000L pumpwell lid only	Y	212
66001	Concrete 1000L Heavy duty concrete lid 1370 dia x 150 thick (no insp.openings)	Y	430
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
Concrete Collection Wells & Parts			
1600L Collection Well & Parts			
11023	1600L concrete collection well complete	Y	1520
11510	1600L collection well case only	Y	1303
11610	1600L Light duty concrete lid only c/w plastic manhole cover	Y	209
66001	1600L Heavy duty concrete lid 1370 dia x 150 thick (no inspection openings)	Y	430
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
3000L Collection Well & Parts			
11033	3000L concrete collection well complete	Y	2700
11528	3000L collection well case only	Y	2000
11628	3000L Light duty concrete lid only c/w plastic manhole cover	Y	373
11925	Lift Hole Plug	Y	<1
66070	3000L Heavy duty concrete lid 1980 dia x 175 thick (no inspection openings)	Y	1017
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11835	3000L collection well riser - 300mm high	Y	352
11836	3000L collection well riser - 450mm high	Y	474
11839	3000L collection well riser - 600mm high	Y	704
3900L Collection Well & Parts			
12040	3900L concrete collection well complete	Y	2647
11530	3900L collection well case only	Y	2100
11630	3900L Light duty concrete lid only c/w plastic manhole cover	Y	480
66070	3900L Heavy duty concrete lid 1980 dia x 175 thick (no inspection openings)	Y	1017
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11838	3900L collection well riser - 450mm high	Y	516
11831	3900L collection well riser - 600mm high	Y	540
11832	3900L collection well riser - 900mm high	Y	810
6000L Collection Well & Parts			
12094	6000L collection well complete	Y	4040
11592	6000L collection well case only	Y	3140
11692	6000L Light duty concrete lid only c/w plastic manhole cover	Y	900
66119	6000L Heavy duty concrete lid 2600 dia x 250 thick (no inspection openings)	mto	3260
14761	Class D Solid Cast Iron cover/frame ø600	Y	68
11885	6000L collection well riser - 300mm high	Y	320
11887	6000L collection well riser - 600mm high	Y	640
General Collection Well Parts			
11927	Concrete Bung	Y	1
11930	Septic tank compression ring	Y	1
11925	Lift Hole Plug	Y	<1
11910	Concrete collection well manhole cover only	Y	45
11920	Concrete septic tank peep-eye	Y	2
87144	Concrete septic tank polymer manhole cover	Y	3
87171	Concrete septic tank polymer peep-eye cover	Y	1
Distribution Box Parts			
84915	Series 300 polymer distribution box c/w concrete lid & weir	Y	16
21208	Concrete lid to suit Series 300 polymer distribution box	Y	13
84930	Series 300 polymer distribution box case only	Y	2
84221	Series 300 polymer riser only 150mm high	Y	2
21220	437 t box lid only / weir lid - to suit concrete distribution box case only	mto	13
21205	306/3012 d/chamber lid only - to suit concrete distribution box case only	mto	10

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Domestic Grease Arrestors & Parts			
45 Litre Polymer Grease Arrestor			
84010	45L Polymer Grease Arrestor complete	Y	5
84017	45L Polymer Grease Arrestor Case & Lid Only	Y	4
84110	45L Polymer Grease Arrestor Case & Strainer Only	Y	4
84125	45L Polymer Grease Arrestor c/w Concrete Lid & Galvanised Steel Handle	Y	25
84900	45L Grease Arrestor Strainer	Y	<1
84310	45L Polymer Lid Only	Y	<1
24910	45L Strainer Complete with Galvanised Handle	Y	<1
24911	Galvanised Handle for 45L Grease Arrestor Strainer	Y	<1
84620	45L Polymer Grease Arrestor Riser pack 150mm high	Y	<2
84621	45L Polymer Grease Arrestor Riser pack 300mm high	Y	<3
24300	45L Concrete lid for Polymer Grease Arrestor (SEQ only)	Y	20
24300	45L Concrete lid for Polymer Grease Arrestor (FNQ only)	Y	20
140 Litre Concrete Grease Arrestor			
24032	140L concrete grease trap w/outlet junction c/w lids (Sunshine Coast)	Y	265
24030	140L concrete grease trap c/w lids	Y	265
24831	140L grease trap riser 150mm high	Y	47
24830	140L grease trap riser 300mm high	Y	98
24230	140L grease trap case & baffles	Y	216
24530	140L grease trap case only	Y	185
24330	140L grease trap lid only	Y	25
24630	140L grease trap baffle Small	Y	8
24631	140L grease trap baffle Medium	Y	10
24632	140L grease trap baffle Large	Y	13
24635	140L grease trap baffle set (S, M & L)	Y	31
Bailer Pipe			
83000	Poly bailer pipe complete	Y	4
83001	Poly bailer pipe ø375mm complete with concrete lid	Y	22
3000L Type VC Circular Grease Arrestor & Parts			
17180	3000L Type VC Circular Grease Arrestor c/w Class B CI covers	mto	4030
17181	3000L Type VC Circular Grease Arrestor c/w Class D CI covers	mto	4150
17182	4000L Type VC Circular Grease Arrestor c/w Class B CI covers	mto	5725
17183	4000L Type VC Circular Grease Arrestor c/w Class D CI covers	mto	6950
11837	Riser 300mm high for 3000L Type VC Circular Grease Arrestor	mto	373
11838	Riser 450mm high for 3000L Type VC Circular Grease Arrestor	mto	516
11885	Riser 300mm high for 4000L Type VC Circular Grease Arrestor	mto	318
77887	Riser 600mm high for 4000L Type VC Circular Grease Arrestor	mto	635
96578	3000L protect crete coating	Y	

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
RibStruct Stormwater Pipe System			
300mm RibStruct Pipe & Accessories			
86713	RibStruct Pipe DN300 x 6.0mt c/w coupling & 2 rings	Y	34
87820	RibStruct Coupling PP 300mm	Y	<1
90601	RibStruct Vee Seal Only 300mm	Y	<1
86980	RibStruct 300 End Cap	Y	1
RibStruct Fittings - 300mm			
86730	RibStruct Bend 300 x 15°	mto	2
86731	RibStruct Bend 300 x 30°	mto	2
86732	RibStruct Bend 300 x 45°	Y	2
86733	RibStruct Bend 300 x 88°	Y	2
86770	RibStruct Junction 300 x 100pvc x 45°	Y	5
86771	RibStruct Junction 300 x 150pvc x 45°	Y	5
86801	RibStruct Junction 300 x 225pvc x 45°	Y	6
86802	RibStruct Junction 300 x 300 RibStruct x 45°	mto	7
86940	RibStruct Junction 300 x 100pvc x 90°	Y	5
86941	RibStruct Junction 300 x 150pvc x 90°	Y	5
86942	RibStruct Junction 300 x 225pvc x 90°	Y	6
86943	RibStruct Junction 300 x 300 RibStruct x 90°	mto	7
86960	RibStruct LIT 300 x 100pvc	Y	2
86961	RibStruct LIT 300 x 150pvc	Y	2
86962	RibStruct LIT 300 x 225pvc	mto	2
375mm RibStruct Pipe & Accessories			
86723	RibStruct Pipe DN375 x 6.0mt c/w coupling & 2 rings	Y	49
87821	RibStruct Coupling PP 375mm	Y	<1
90602	RibStruct Vee Seal Only 375mm	Y	<1
86981	RibStruct 375 End Cap	Y	1
RibStruct Fittings - 375mm			
86740	RibStruct Bend 375 x 15°	mto	3
86741	RibStruct Bend 375 x 30°	mto	3
86742	RibStruct Bend 375 x 45°	Y	3
86743	RibStruct Bend 375 x 88°	Y	3
86772	RibStruct Junction 375 x 100pvc x 45°	Y	7
86773	RibStruct Junction 375 x 150pvc x 45°	Y	7
86803	RibStruct Junction 375 x 225pvc x 45°	Y	8
86804	RibStruct Junction 375 x 300 RibStruct x 45°	mto	8
86805	RibStruct Junction 375 x 375 RibStruct x 45°	mto	8
86950	RibStruct Junction 375 x 100pvc x 90°	Y	7
86951	RibStruct Junction 375 x 150pvc x 90°	Y	7
86952	RibStruct Junction 375 x 225pvc x 90°	mto	8
86953	RibStruct Junction 375 x 300 RibStruct x 90°	mto	8
86954	RibStruct Junction 375 x 375 RibStruct x 90°	mto	8
86970	RibStruct LIT 375 x 100pvc	mto	3
86971	RibStruct LIT 375 x 150pvc	mto	3
86972	RibStruct LIT 375 x 225pvc	mto	3
86973	RibStruct LIT 375 x 300 RibStruct	mto	4
485mm RibStruct Pipe & Accessories			
86783	RibStruct Pipe DN485 x 6.0mt c/w coupling & 2 rings	Y	78
87822	RibStruct Coupling PP 485mm	Y	<1
90603	RibStruct Vee Seal Only 485mm	Y	<1
	Note: RibStruct 485 bends & junctions etc available to order.		

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
610mm RibStruct Pipe & Accessories			
86703	RibStruct Pipe DN610 x 6.0mt c/w coupling & 2 rings	Y	108
87823	RibStruct Coupling PP 610mm	Y	<1
90604	RibStruct Vee Seal Only 610mm	Y	<1
	Note: RibStruct 610 bends & junctions etc available to order.		
RibStruct Only Concrete Headwalls			
63569	Headwall Concrete Winged suit RibStruct 300mm	Y	310
63571	Headwall Concrete Winged suit RibStruct 375mm	Y	310
63572	Headwall Concrete Winged suit RibStruct 485mm	Y	340
63573	Headwall Concrete Winged suit RibStruct 610mm	Y	380
Polymer Stormwater Pits and Accessories			
Accessories for Stormwater Pit			
21068	Anchor For Polymer Pit Grates & Checker Plates	Y	<1
80080	EasyDRAIN Pit Boss	Y	1
Stormwater Pits, Grates, Covers and Pollutant Traps - Series 300			
Series 300 Polymer Stormwater Pits and Riser			
84811	Series 300 Polymer Stormwater Pit Case Only 300mm Shallow	Y	<2
84816	Series 300 Polymer Stormwater Pit Series Case Only 450mm Deep	Y	2.34
84221	Series 300 Polymer Stormwater Pit Riser 150mm high	Y	1
Series 300 Grates and Covers			
84845	Series 300 Aluminium Grate Only	Y	1
84827	Series 300 Galvanised Steel Grate Only Class A	Y	4
97846	Series 300 EURODESIGN 316 Stainless Steel Grate Class A	Y	3
97847	Series 300 EURODESIGN 316 Stainless Steel Heel Friendly Anti-vandal Grate Class A	Y	3
21432	Series 300 Squareline Heel Friendly Galvanised Steel Grate Class A	Y	6
84829	Series 300 Galvanised Steel Checker Plate Cover Class A	Y	5
84953	Series 300 Black Polymer Cover	Y	1
Series 300 Stormwater Pit and Grate Combinations			
84938	Series 300 Stormwater Pit Shallow with Aluminium Grate	Y	3
84939	Series 300 Stormwater Pit Deep with Aluminium Grate	Y	4
80071	Series 300 Stormwater Pit Shallow with Galvanised Steel Grate Class A	Y	6
80072	Series 300 Stormwater Pit Deep with Galvanised Steel Grate Class A	Y	7
84223	Series 300 Stormwater Pit Shallow with EURODESIGN 316 Stainless Steel Heel Friendly Grate Class A	Y	3
84225	Series 300 Stormwater Pit Deep with EURODESIGN 316 Stainless Steel Heel Friendly Grate Class A	Y	3
84224	Series 300 Stormwater Pit Shallow with EURODESIGN 316 Stainless Steel Heel Friendly Anti-vandal Grate Class A	Y	3
84226	Series 300 Stormwater Pit Deep with EURODESIGN 316 Stainless Steel Heel Friendly Anti-vandal Grate Class A	Y	3
Series 300 Polymer Stormwater Pit Pollutant Traps			
84042	Series 300 Leaf Basket	Y	3
97903	Series 300 SQID suits Series 300 Polymer Stormwater Pit	Y	2
13500	Trash Screen V Basket to suit Series 300 Polymer Stormwater Pit	Y	13
99824	Maximesh 300mm deep to suit Series 300 Polymer Stormwater Pit	Y	3
99815	Maximesh 450mm deep to suit Series 300 Polymer Stormwater Pit	Y	2
Stormwater Pits, Grates, Covers and Pollutant Traps - Series 450			
Series 450 Stormwater Pits and Riser			
80034	Series 450 Polymer Stormwater Pit Case Only 325mm Shallow	Y	6
80001	Series 450 Polymer Stormwater Pit Case Only 450mm Deep	Y	7
80035	Series 450 Polymer Stormwater Pit Riser 300mm high	Y	5

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.		mto = made to order	
Product Code	Description	Stock Item	Weight kgs
Series 450 Grates and Covers			
21041	Series 450 Galvanised Steel Grate Only Class A	Y	14
21042	Series 450 Galvanised Steel Grate Only Class B	Y	21
97848	Series 450 EURODESIGN 316 Stainless Steel Grate Class A	Y	16
97849	Series 450 EURODESIGN 316 Stainless Steel Heel Friendly Anti-vandal Grate Class A	Y	16
21433	Series 450 Squareline Heel Friendly Galvanised Steel Grate Class A	Y	21
21050	Series 450 Galvanised Steel Checker Plate Cover Class A	Y	13
21090	Series 450 Lockdown Galvanised Steel Checker Plate Cover Class A	Y	16
21051	Series 450 Galvanised Steel Checker Plate Cover Class B	Y	19
21093	Series 450 Lockdown Galvanised Steel Checker Plate Cover Class B	Y	20
84921	Series 450 Polymer Cover	Y	2
21479	Series 450 Concrete Cover Class B	Y	47
21479C	Series 450 Concrete Cover "COM-CAB" Class B	Y	47
21479E	Series 450 Concrete Cover "ELECTRICITY" Class B	Y	48
Series 450 Stormwater Pit and Grate Combinations			
80073	Series 450 Stormwater Pit Shallow with Galvanised Steel Grate Class A	Y	20
80075	Series 450 Stormwater Pit Deep with Galvanised Steel Grate Class A	Y	22
80074	Series 450 Stormwater Pit Shallow with Galvanised Steel Grate Class B	Y	27
80076	Series 450 Stormwater Pit Deep with Galvanised Steel Grate Class B	Y	29
Series 450 Polymer Stormwater Pit Pollutant Traps			
97904	Series 450 SQID suits Series 450 Polymer Stormwater Pit	Y	3
13501	Trash Screen V Basket suit 450 Polymer Stormwater Pit	Y	13
99825	Maximesh 325mm deep to suit Series 450 Polymer Stormwater Pit	Y	3
99811	Maximesh 450mm deep to suit Series 450 Polymer Stormwater Pit	Y	4
Stormwater Pits, Grates, Covers and Pollutant Traps - Series 600			
Stormwater Pits - Series 600			
80010	Series 600 Polymer Stormwater Pit Case Only	Y	14
80036	Series 600 Polymer Stormwater Pit Riser 300mm high	Y	9
Series 600 Grates and Covers			
21043	Series 600 Galvanised Steel Grate Only Class A	Y	20
21044	Series 600 Galvanised Steel Grate Only Class B	Y	37
21765	Series 600 Galvanised Steel Grate Only Class D	Y	43
21434	Series 600 Squareline Heel Friendly Galvanised Steel Grate Class A/B	Y	34
97855	Series 600 EURODESIGN 316 Stainless Steel Grate Class A	Y	21
21052	Series 600 Galvanised Steel Checker Plate Cover Class A	Y	19
21054	Series 600 Lockdown Galvanised Steel Checker Plate Cover Class A	Y	24
21053	Series 600 Galvanised Steel Checker Plate Cover Class B	Y	34
21057	Series 600 Lockdown Galvanised Steel Checker Plate Cover Class B	Y	37
21480	Series 600 Concrete Cover Class B	Y	82
21480C	Series 600 Concrete Cover "COM-CAB" Class B	Y	82
21480E	Series 600 Concrete Cover "ELECTRICITY" Class B	Y	82
Series 600 Stormwater Pit and Grate Combinations			
80077	Series 600 Polymer Stormwater Pit with Galvanised Steel Grate Class A	Y	34
80078	Series 600 Polymer Stormwater Pit with Galvanised Steel Grate Class B	Y	55
Series 600 Polymer Stormwater Pit Pollutant Traps			
97905	Series 600 SQID suits Series 600 Polymer Stormwater Pit	Y	5
13502	Trash Screen V Basket suit 600 Polymer Stormwater Pit	Y	13
99812	Maximesh to suit Series 600 Polymer Stormwater Pit	Y	6

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Stormwater Pits - 900 x 600			
900 x 600 Polymer Stormwater Pit			
97967	900 x 600 Polymer Stormwater Pit Case Only	Y	30
900 x 600 Grate for Polymer Stormwater Pit			
15145	900 x 600 Galvanised Steel Grate Only Class B	Y	55.00
97981	900 x 600 Stormwater Pit and Grate Combination 900 x 600 Polymer Stormwater Pit with Galvanised Steel Grate Class B	Y	85.00
Stormwater Pits - 900 x 900			
900 x 900 Polymer Stormwater Pit			
97965	900 x 900 Polymer Stormwater Pit Case Only	Y	43.00
900 x 900 Grate for Polymer Stormwater Pit			
15146	900 x 900 Galvanised Steel Grate Only Class B	Y	74.00
97980	900 x 900 Stormwater Pit and Grate Combination 900 x 900 Polymer Stormwater Pit with Galvanised Steel Grate Class B	Y	117.00
Technodrain			
Evomax			
81471	Evomax 150H Channel with Galvanised Steel Class B Grate x 1 metre	Y	10
81422	Technodrain 150H End Cap	Y	<1
81503	Evomax 200H Channel with Galvanised Steel Class B Grate x 1 metre	Y	12
81504	Evomax 200H Channel with Galvanised Steel Class B Heel Proof Grate x 1m	Y	22
81402	Technodrain 200H HDPE End Cap 110mm outlet	Y	<1
Technodrain Pro			
81423	Technodrain Pro 150H HDPE Channel & Ductile Iron Grate (Class D) x 1m	Y	20
81422	Technodrain 150H End Cap	Y	<1
81381	Technobox 200H HDPE Sump Drain with Ductile Iron Grate (Class D) x 500mm	Y	26
81380	Technodrain Pro 200H HDPE Channel & Ductile Iron Grate (Class D) x 1m with 4mm Galvanised Edge	Y	15
81402	Technodrain 200H HDPE End Cap 110mm outlet	Y	<1
81433	Basket Filter Sump 200	Y	12
Technodrain Magnum City			
81390	Magnum City 300 HDPE Channel & Ductile Iron Grate (Class D) x 500mm with outlet	Y	23
81391	Magnum City 300 HDPE Channel & Ductile Iron Grate (Class D) x 500mm without outlet	Y	23
81530	Magnum City 300 HDPE Channel & Galvanised Steel Grate (Class D) x 500mm with outlet	Y	15
81444	Magnum City 300 HDPE End Cap	Y	1
Gross Pollutant Traps			
V Guard 600GP			
82280	VGuard 600GP c/w Class A Grate	Y	47
82281	VGuard 600GP c/w Class B Grate	Y	68
82282	VGuard 600GP c/w Class D Grate	Y	102
V Guard 600AP			
82290	VGuard 600AP c/w Lockable Class B Grate	Y	89
82291	VGuard 600AP c/w Lockable Class D Grate	Y	90
V Guard 600APS			
82300	V-Guard 600APS (SQID® fitted in lieu of GMS screen) Class B GMS grate	Y	78
82301	V-Guard 600APS (SQID® fitted in lieu of GMS screen) Class D CI grate	Y	113

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.		mto = made to order	
Product Code	Description	Stock Item	Weight kgs
Model: PL0506 CDS® Unit - the Nipper			
82260	CDS PL0506 Nipper	Y	154
13185	Trafficable kit suit PL0506 (inc Class D cast iron cover)	Y	2150
87830	Nipper Riser 630 x 1000mm	Y	19
87831	Nipper Riser 630 x 2000mm	Y	99
SQID® Stormwater Management Devices to Suit Polymer Pits			
97903	SQID® 300 suit Series 300 polymer pit	Y	2
97904	SQID® 450 suit Series 450 plastic pit	Y	3
97905	SQID® 600 suit Series 600 plastic pit	Y	4
SQID® Stormwater Management Devices to Suit Concrete Pits			
97906	SQID® 450 (inc kit) suit concrete pit	Y	4
97917	SQID® only suit 450 x 450 concrete pit	Y	3
97918	SQID® kit only 450	Y	1
97907	SQID® 600 (inc kit) suit concrete pit	Y	5
97919	SQID® only suit 600 x 600 concrete pit	Y	4
97911	SQID® kit only 600	Y	1
97908	SQID® 900 x 600 (inc kit) suit concrete pit	Y	8
97915	SQID® only suit 900 x 600 concrete pit	Y	8
97916	SQID® kit only 900 x 600	Y	1
97909	SQID® 900 x 900 (inc kit) suit concrete pit	Y	13
97914	SQID® only suit 900 x 900 concrete pit	Y	13
97913	SQID® kit only 900	Y	1
Concrete Field Gully Pits, Grates & Lids			
300 SQ			
15084	300 SQ Class A GMS grate/frame	Y	9
15081	300 SQ Class B GMS grate/frame	Y	9
15170	300 SQ Class A Heel Proof GMS Grate and Frame	Y	9
15171	300 SQ Class D Heel Proof GMS Grate and Frame	Y	17
450 SQ			
21122	Concrete Pit only 450 deep	Y	140
21149	150 riser suit 450 Pit	Y	40
21150	300 riser suit 450 Pit	Y	80
21322	GMS drop in grate Class A suit 450 x 450 Pit	Y	13
21325	GMS drop in grate Class B suit 450 x 450 Pit	Y	18
15082	450 SQ Class A GMS grate/frame	Y	14
15083	450 SQ Class B GMS grate/frame	Y	20
15060	450 SQ Class D GMS grate/frame	Y	40
15125	450 SQ Class A GMS grate/frame with legs	Y	24
15172	450 SQ Class A Heel Proof GMS Grate and Frame	Y	14
15173	450 SQ Class D Heel Proof GMS Grate and Frame	Y	40
21096	GMS drop in Heelproof grate Class B suit 450 x 450 pit	Y	22
21338	GMS checker plate lid Class A suit 450 x 450 Pit	mto	21
21349	Concrete Lid LD Suit 450 Pit	Y	28
21350	Concrete Lid HD Suit 450 Pit	Y	55

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
600 SQ			
21119	Concrete Pit only 600 deep	Y	270
21139	150 riser suit 600 Pit	Y	47
21140	300 riser suit 600 Pit	Y	90
21145	600 riser suit 600 Pit	Y	180
21319	GMS drop in grate Class A suit 600 x 600 Pit	Y	24
21320	GMS drop in grate Class B suit 600 x 600 Pit	Y	34
21098	GMS drop in Heelproof grate Class B suit 600 x 600 pit	Y	39
15028	600SQ Class A GMS grate/frame	Y	21
15034	600SQ Class B GMS grate/frame	Y	50
15061	600SQ Class D GMS grate/frame	Y	96
15126	600SQ Class A GMS grate/frame with legs	Y	31
15174	600 SQ Class A Heel Proof GMS Grate and Frame	Y	21
15175	600 SQ Class D Heel Proof GMS Grate and Frame	Y	96
21339	GMS checker plate lid Class A suit 600 x 600 Pit	mto	28
21355	Concrete Lid LD Suit 600 Pit	Y	50
21356	Concrete Lid HD Suit 600 Pit	Y	107
900 x 600			
21127	Concrete Pit only 600 deep	Y	385
21126	Concrete Pit only 900 deep	Y	500
21173	150 riser suit 900 x 600 Pit	Y	85
21129	300 riser suit 900 x 600 Pit	Y	115
21134	600 riser suit 900 x 600 Pit	Y	240
21303	GMS drop in grate Class A suit 900 x 600 Pit	Y	33
21304	GMS drop in grate Class B suit 900 x 600 Pit	Y	44
21089	GMS drop in Heelproof grate Class B suit 900 x 600 pit	Y	72
15029	900 x 600 Class A GMS grate/frame	Y	30
14996	900 x 600 Class B GMS grate/frame	Y	65
15039	900 x 600 Class D GMS grate/frame	Y	130
15127	900 x 600 Class D GMS grate/frame with legs	Y	10
15176	900 x 600 Class A Heel Proof GMS Grate and Frame	Y	30
15177	900 x 600 Class D Heel Proof GMS Grate and Frame	Y	190
21131	Concrete Lid LD suit 900 x 60 Pit	Y	230
900 SQ			
21123	Concrete Pit only 900 deep	Y	820
21174	150 riser suit 900 x 900 Pit	Y	190
21151	300 riser suit 900 x 900 Pit	Y	245
21153	600 riser suit 900 x 900 Pit	Y	495
21327	GMS drop in grate Class A suit 900 x 900 Pit	Y	58
21328	GMS drop in grate Class B suit 900 x 900 Pit	Y	70
15085	900 SQ Class A GMS grate/frame	Y	55
15086	900 SQ Class B GMS grate/frame	Y	89
15036	900 SQ Class D GMS grate/frame	Y	178
15128	900 SQ Class D GMS grate/frame with legs	Y	10
15178	900 SQ Class A Heel Proof GMS Grate and Frame	Y	55
15179	900 SQ Class D Heel Proof GMS Grate and Frame	Y	188
21324	Concrete Lid LD Suit 900 Pit	Y	130

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Concrete Headwalls (Winged and Sloped)			
Precast Concrete Winged Headwalls			
62000	Headwall suit PVC 90, 100, 150 mm	Y	35
62654	Headwall suit PVC 90, 100, 150 mm (inc frog flap)	Y	35
62008	Headwall suit RCP 225 (295mm hole)	Y	270
63563	Headwall suit RCP 300 (410mm hole)	Y	255
63564	Headwall suit RCP 375 (470mm hole)	Y	245
62011	Headwall suit RCP 450 (610mm hole)	Y	295
64004	Headwall suit RCP 525 (650mm hole)	Y	300
62014	Headwall suit RCP 600 (770mm hole)	Y	255
Precast Concrete Sloped Headwalls			
64015	Sloped headwall (DMR style) suit RCP 300	Y	580
64016	Sloped headwall (DMR style) suit RCP 375	Y	560
64017	Sloped headwall (DMR style) suit RCP 450	Y	545
Precast Concrete Headwalls			
64006	Maroochy Shire Headwall (tombstone) suit RCP 300	mto	70
64007	Maroochy Shire Headwall (tombstone) suit RCP 375	mto	70
RibStruct Only Concrete Headwalls			
63569	Headwall Concrete Winged suit RibStruct 300mm	Y	310
63571	Headwall Concrete Winged suit RibStruct 375mm	Y	310
63572	Headwall Concrete Winged suit RibStruct 485mm	Y	340
63573	Headwall Concrete Winged suit RibStruct 610mm	Y	380
Road Gully Units & Grates			
Everhard Road Gully Units			
21666	1.2 Road Gully unit c/w Lintel SAG only	Y	615
21661	2.4 Road Gully unit c/w Lintel – L/H	Y	1856
21660	2.4 Road Gully unit c/w Lintel – R/H	Y	1856
21662	2.4 Road Gully unit c/w Lintel – SAG	Y	1856
21664	3.6 Road Gully unit c/w Lintel – L/H	Y	2515
21663	3.6 Road Gully unit c/w Lintel – R/H	Y	2515
21665	3.6 Road Gully unit c/w Lintel – SAG	Y	2515
Stormwater Inspection Chambers & Lids			
Chambers are not rebated and require adhesive for jointing.			
915 Diameter			
13000	Inspection Chamber ø915 x 300 high	Y	145
13020	Inspection Chamber ø915 x 600 high	Y	290
13030	Inspection Chamber ø915 x 900 high	Y	340
13040	Inspection Chamber ø915 x 1200 high	Y	435
13305	Inspection Chamber Lid ø915 c/w LD 605 x 455 CI C & F	Y	145
13405	Inspection Chamber Lid ø915 c/w HD 695 x 535 CI C & F	Y	236
13470	Inspection Chamber Lid ø915 c/w LD 450 GMS Grate	Y	185
13472	Inspection Chamber Lid ø915 c/w HD 450 GMS Grate	Y	252

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
1050 Diameter			
13100	Non-rebated Inspection Chamber ø1050 x 300 high	Y	174
13120	Non-rebated Inspection Chamber ø1050 x 600 high	Y	260
13130	Non-rebated Inspection Chamber ø1050 x 900 high	Y	406
13140	Non-rebated Inspection Chamber ø1050 x 1200 high	Y	524
13101	Rebated Inspection Chamber ø1050 x 300 high	Y	199
13121	Rebated Inspection Chamber ø1050 x 600 high	Y	398
13131	Rebated Inspection Chamber ø1050 x 900 high	Y	598
13141	Rebated Inspection Chamber ø1050 x 1200 high	Y	797
13315	Inspection Chamber Lid ø1050 c/w LD 605 x 455 CI C & F	Y	195
13415	Inspection Chamber Lid ø1050 c/w HD 695 x 535 CI C & F	Y	355
13453	Inspection Chamber Lid ø1050 c/w LD 600 sq GMS Grate	Y	185
13454	Inspection Chamber Lid ø1050 c/w HD 600 sq GMS Grate	Y	348
13469	Inspection Chamber Lid ø1050 c/w LD 450 sq GMS Grate	Y	203
13471	Inspection Chamber Lid ø1050 c/w HD 450 sq GMS Grate	Y	388
1220 Diameter			
13200	Inspection Chamber ø1220 x 300 high	Y	177
13220	Inspection Chamber ø1220 x 600 high	Y	366
13230	Inspection Chamber ø1220 x 900 high	Y	582
13240	Inspection Chamber ø1220 x 1200 high	Y	740
13325	Inspection Chamber Lid ø1220 c/w LD 605 x 455 CI C & F	Y	320
13425	Inspection Chamber Lid ø1220 c/w HD 695 x 535 CI C & F	Y	520
13460	Inspection Chamber Lid ø1220 c/w LD 600 sq GMS Grate	Y	282
13461	Inspection Chamber Lid ø1220 c/w HD 600 sq GMS Grate	Y	529
13464	Inspection Chamber Lid ø1220 c/w LD 450 sq GMS Grate	Y	295
13465	Inspection Chamber Lid ø1220 c/w HD 450 sq GMS Grate	Y	550
Field Gully Grates & Frames			
300 x 300			
15084	300 SQ Class A GMS grate/frame	Y	9
15081	300 SQ Class B GMS grate/frame	Y	15
450 x 450			
15082	450 SQ Class A GMS grate/frame	Y	14
15083	450 SQ Class B GMS grate/frame	Y	20
15060	450 SQ Class D GMS grate/frame	Y	40
600 x 600			
15028	600SQ Class A GMS grate/frame	Y	21
15034	600SQ Class B GMS grate/frame	Y	50
15061	600SQ Class D GMS grate/frame	Y	96
900 x 600			
15029	900 x 600 Class A GMS grate/frame	Y	30
14996	900 x 600 Class B GMS grate/frame	Y	65
15039	900 x 600 Class D GMS grate/frame	Y	130
900 x 900			
15085	900 SQ Class A GMS grate/frame	Y	55
15086	900 SQ Class B GMS grate/frame	Y	89
15036	900 SQ Class D GMS grate/frame	Y	178

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Authorities Inlet Grates & Frames			
21552	IPWEAQ/BCC field gully grate/frame Type 2-600 sq (Dwg SEQ-0050)	Y	67
21551	IPWEAQ/BCC field gully grate/frame Type 2-900 x 600 (Dwg SEQ-0050)	Y	92
21550	IPWEAQ/BCC field gully grate/frame Type 1-1200 x 1200 (Dwg SEQ-0050)	Y	216
21532	Field gully grate/frame Type 1-1200 x 900 on legs (Dwg UMS 337B)	Y	162
15035	Dome gully grate 600 x 600 on legs	Y	75
15031	Dome gully grate 900 x 600 on legs	Y	100
15051	Dome gully grate 900 x 900 on legs	Y	125
15032	QTMR gully grate/frame Type 1 Single 900 x 600 (MRD1309)	Y	259
15033	QTMR gully grate/frame Type 2 Single 900 x 600 - on legs (MRD1310)	Y	290
Road Gully Grates & Frames			
All road gully grates are bicycle safe			
14875	GMS road gully grate/frame (Aust Std) 900 x 600 C/O	Y	81
21393	GMS road gully grate/frame BCC Type A 900 x 600 C/O	Y	120
21513	GMS road gully grate/frame NSW 900 x 400 C/O (Tweed shire etc)	Y	65
V-Grates, GMS Trench Grates & Frames			
V-Grate and Frame for Concrete Pits			
15140	600 SQ Class D GMS V-grate & frame (16 degree V)	Y	74
15141	900 x 600 Class D GMS V-grate & frame (16 degree V)	Y	105
15142	900 x 780 Class D GMS V-grate & frame (11 degree V) (Type 28 kerb only)	Y	122
GMS Trench Grate and Frame for Concrete Pits			
150mm C/O			
15110	150mm C/O Class B trench grate & frame per metre	Y	17
15094	150mm C/O Class D trench grate & frame per metre	Y	35
250mm C/O			
15120	250mm C/O Class B trench grate & frame per metre	Y	21
15087	250mm C/O Class D trench grate & frame per metre	Y	45
300mm C/O			
15130	300mm C/O Class B trench grate & frame per metre	Y	34
15066	300mm C/O Class D trench grate & frame per metre	Y	55
Heel Proof Trench Grate and Frame			
150mm C/O			
15111	150mm C/O Class A Heelproof trench grate & frame per metre	Y	16
15112	150mm C/O Class D Heelproof trench grate & frame per metre	Y	32
250mm C/O			
15121	250mm C/O Class A Heelproof trench grate & frame per metre	Y	21
15122	250mm C/O Class D Heelproof trench grate & frame per metre	Y	41
300mm C/O			
15131	300mm C/O Class A Heelproof trench grate & frame per metre	Y	24
15132	300mm C/O Class D Heelproof trench grate & frame per metre	Y	55

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
--------------	-------------	------------	------------

● = Brisbane City Area. ★ = Gold Coast City area. ▲ = IPWEAQ Local Authorities inc Moreton Bay, Sunshine Coast, Gympie, Fraser Coast etc. ■ = Queensland Main Roads.

Lintels

62449	Lintel 1.2m Type VS (Dwg UMS 331revD)	● ▲	Y	245
62451	Lintel 2.4m Type S (Dwg UMS 331revD)	● ▲	Y	496
62455	Lintel 3.6m Type M (Dwg UMS 331revD)	● ▲	Y	663
62460	Lintel 4.8m Type L (Dwg UMS 331revD)	● ▲	Y	887
All above are marked "Dump No Waste, Flows to Creek".				
62450	Lintel 2.4m Type S "Protect our waterways, Flows to Ocean"	★	mto	496
62465	Lintel 3.6m Type M "Protect our waterways, Flows to Ocean"	★	mto	663
62466	Lintel 4.8m Type L "Protect our waterways, Flows to Ocean"	★	mto	887
62472	Lintel QTMR 1.2	■	mto	250
62473	Lintel QTMR 2.4	■	mto	455
62474	Lintel QTMR 3.6	■	mto	662
62475	Lintel QTMR 4.8	■	mto	877

Stormwater Aspros & Upstands

Stormwater Aspros (Chamber Roof Slabs)

66050	Manhole Aspro 1050 id (1370 OD) x 150 thick ø600 hole	● ★	Y	430
66057	Manhole Aspro 1200 id (1525 OD) x 150 thick ø600 hole	● ★	Y	570
66060	Manhole Aspro 1200 id (1650 OD) x 150 thick ø600 hole	● ★	Y	706
66065	Manhole Aspro 1350 id (1830 OD) x 150 thick ø600 hole	● ★	Y	830
66070	Manhole Aspro 1500 id (1980 OD) x 175 thick ø600 hole	● ★	Y	1015
66081	Manhole Aspro 1800 id (2300 OD) x 250 thick ø600 hole	● ★	Y	1700
66454	Manhole Aspro 915 id (1130 OD) x 115 thick w/ 600 sq hole	●	Y	180
66002	-HAV Manhole Aspro 1050 id (1370 OD) x 150 thick w/ 600 sq hole	● ★	Y	380
66472	Manhole Aspro 1050 id (1370 OD) x 150 thick w/ 900 x 600 hole	★	Y	320
66056	Manhole Aspro 1200 id (1525 OD) x 150 thick w/ 900 x 600 hole	●	Y	600
66917	Manhole Aspro 1500 id (1980 OD) x 150 thick w/ 600 sq hole	●	Y	1020
66324	Manhole Aspro 1500 id (1980 OD) x 175 thick w/ 900 x 600 hole		Y	1070
66007	Manhole Aspro 1050 id c/w 150 upstand & Class B (non BCC) Stormwater cover	● ★ ▲	Y	645
66009	Manhole Aspro 1050 id c/w 150 upstand & Class D (non BCC) Stormwater cover	● ★ ▲	Y	665
66300	Manhole Aspro 1050 id (1370 OD) x 175 thick ø600 hole	▲	Y	515
66110	Manhole Aspro 1050 id (1500 OD) x 175 thick ø600 hole	■	mto	690
66113	Manhole Aspro 1200 id (1650 OD) x 175 thick ø600 hole	■	mto	850
66111	Manhole Aspro 1500 id (1950 OD) x 200 thick ø600 hole	■	mto	1250
66118	Manhole Aspro 1800 id (2300 OD) x 250 thick ø600 hole	■	mto	2510
66119	Manhole Aspro 2100 id (2600 OD) x 250 thick ø600 hole	■	mto	3260

Extended Stormwater Aspros

66021	Manhole Aspro 1500 id (1980 OD) ext. 300 x 175 thick ø600 hole	● ★ ▲	mto	1634
66023	Manhole Aspro 1500 id (1980 OD) ext. 600 x 175 thick ø600 hole	● ★ ▲	mto	1777
66901	Manhole Aspro 1500 id (1980 OD) ext. 900 x 175 thick ø600 hole	● ★ ▲	mto	1920
66916	Manhole Aspro 1500 id (1980 OD) ext. 300 x 175 thick ø600 sq hole	● ★ ▲	mto	1390

Concrete Upstand

66191	Concrete upstand 150mm c/w Class B (non BCC) CI Cover & Frame Stormwater cover	● ★ ▲	Y	215
66193	Concrete upstand 150mm c/w Class D (non BCC) CI Cover & Frame Stormwater cover	● ★ ▲	Y	235
Note: upstands available c/w BCC style CI Cover to order.				

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
--------------	-------------	------------	------------

● = Brisbane City Area. ★ = Gold Coast City area. ▲ = IPWEAQ Local Authorities inc Moreton Bay, Sunshine Coast, Gympie, Fraser Coast etc. ■ = Queensland Main Roads.

Stormwater Cast Iron Covers & Frames

14852	CI Cover & Frame Class B Conc Infill ø600 (unfilled) "BCC"	●	Y	85
14854	CI Cover & Frame Class B Solid ø600 "BCC"	●	Y	92
14856	CI Cover & Frame Class D Solid ø600 "BCC"	●	Y	130
14766	CI Cover & Frame Class B Solid ø600 "Stormwater"	★ ▲	Y	42
14764	CI Cover & Frame Class D Solid ø600 "Stormwater"	★ ▲	Y	68
15046	CI Cover & Frame Class B Infill (unfilled) ø600 "Stormwater"	★ ▲	Y	42
15048	CI Cover & Frame Class D Infill (unfilled) ø600 "Stormwater"	★ ▲	Y	68

Note: Square, Rectangular, Multi Part, S/steel or Brass strip covers available.
Contact Everhard sales for pricing or details.

Ancillary Stormwater Items

62100	BCC old style backstone Single Part 1230mm	●	Y	110
62105	BCC old style backstone Single Part 2130mm	●	Y	190
62656	Stormwater & subsoil cleanout point to suit 100mm pipe	● ■	Y	13
62540	GCCC inlet pit cover	★	Y	150
62600	Field gully bar only	★	Y	18
42007	BCC or GCCC kerb cross over slab 900mm x 590mm x 90mm	★	Y	102
21409	Double soakage trench unit complete (min order qty of 20)	★	mto	500
21410	Single soakage trench unit complete (min order qty of 20)	★	mto	350
62653	Precast batter chute QTMR 500 x 510 x 240 (each chute covers 460mm)	■	Y	44

Maroochy, Noosa & Gympie Only

62511	S185 Surround	▲	Y	170
62513	S185 1/2 Cover (2 Required)	▲	Y	79
62518	S185 1/2 Cover Noosa Shire (2 required)	▲	Y	79
62512	S185 Pre Entry Unit	▲	Y	233
62510	S185 Pre Entry Unit Noosa Shire	▲	Y	40
64006	Maroochy Shire Headwall (tombstone) suit RCP 300	▲	mto	70
64007	Maroochy Shire Headwall (tombstone) suit RCP 375	▲	mto	70

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description		Stock Item	Weight kgs
Sewer Aspros & Upstands				
Sewer Aspros (Chamber Roof Slabs)				
66452	Manhole Aspro BCC Type G (1130 OD) x 150 thick ø600 hole	●	Y	275
66482	Manhole Aspro BCC Type F (1500 OD) x 150 thick ø600 hole	●	Y	535
66012	Manhole Aspro BCC Type X (1660 OD) x 150 thick ø600 hole	●	Y	555
66001	Manhole Aspro Sewer 1050 id x 150 thick ø600 hole	●	Y	430
66003	Manhole Aspro Sewer 1050 id (1370 OD) IPWEAQ (insitu manholes)	▲	Y	550
66141	Manhole Aspro Sewer 1200 id (1500 OD) IPWEAQ (insitu manholes)	▲	Y	710
66006	Manhole Aspro 1050 id c/w 150 upstand & Class B Sewer cover	★ ▲	Y	645
66008	Manhole Aspro 1050 id c/w 150 upstand & Class D Sewer cover	★	Y	665
66100	Manhole Aspro Sewer 1050 id (1370 OD) PRSC ø535 hole	▲	mto	645
66101	Manhole Aspro Sewer 1500 id (1980 OD) PRSC ø535 hole	▲	mto	1550
Concrete Upstand				
66192	Concrete upstand 150mm c/w Cast Iron Cover & Frame Class B (non BCC) Sewer cover	● ★ ▲	Y	215
66194	Concrete upstand 150mm c/w Cast Iron Cover & Frame Class D (non BCC) Sewer cover	● ★ ▲	Y	235
Note: Upstands available c/w Cast Iron Cover & Frame BCC style covers to order.				
Sewer Cast Iron Covers & Frames				
14852	Cast Iron Cover & Frame Class B Conc Infill ø600 (unfilled) "BCC"	●	Y	85
14853	Cast Iron Cover & Frame Class B Solid ø600 "BCC"	●	Y	92
14855	Cast Iron Cover & Frame Class D Solid ø600 "BCC"	●	Y	130
14759	Cast Iron Cover & Frame Class B Solid ø600 "Sewer"	★ ▲	Y	42
14761	Cast Iron Cover & Frame Class D Solid ø600 "Sewer"	★ ▲	Y	68
15045	Cast Iron Cover & Frame Class B Infill (unfilled) ø600	★ ▲	Y	42
15047	Cast Iron Cover & Frame Class D Infill (unfilled) ø600	★ ▲	Y	68
Note: Square, Rectangular, Multi Part, S/steel or Brass strip covers available. Contact Everhard sales for pricing or details.				

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Electrical, Communication & Telstra Pit Lids etc			
63411	JC1 pit lid- "ELECTRICAL" (473 x 193 x 40)	mto	25
63570	JC1 pit lid- "COM-CAB" (473 x 193 x 40)	Y	25
63451	JC1 pit lid- "TRAFFIC SIGNAL" (473 x 193 x 40)	Y	25
63412	JC2 pit lid- "ELECTRICAL" (616 x 245 x 46)	Y	30
63575	JC2 pit lid- "COM-CAB" (616 x 245 x 46)	Y	30
63452	JC2 pit lid- "TRAFFIC SIGNAL" (616 x 245 x 46)	Y	30
63413	JC3 pit lid- "ELECTRICAL" (730 x 298 x 50)	Y	40
63580	JC3 pit lid- "COM-CAB" (730 x 298 x 50)	mto	40
63414	JC4 pit lid- "ELECTRICAL" (651 x 346 x 50)	Y	30
63585	JC4 pit lid- "COM-CAB" (651 x 346 x 50)	Y	30
63552	JC4 pit lid- "TRAFFIC SIGNAL" (651 x 346 x 50)	Y	30
63555	JC4 pit lid- "BCC" (651 x 346 x 50)	Y	30
63553	JC6/8/9 pit lid- "TRAFFIC SIGNAL" (651 x 499 x 50)	Y	36
63511	N1/3 lid- "ELECTRIC" (450 x 225 x 40)	mto	18
63514	N5/7 lid- "ELECTRIC" (462 x 498 x 50)	mto	34
63554	N5/7 lid- "TRAFFIC SIGNAL" (462 x 498 x 50)	Y	34
Concrete Lids to Suit Series 450 & 600 Polymer Pits			
21479	Class B concrete cover to suit Series 450 Polymer pit	Y	47
21479C	Class B concrete cover to suit Series 450 Polymer pit "COM-CAB"	Y	47
21479E	Class B concrete cover to suit Series 450 Polymer pit "ELECTRICITY"	Y	47
21480	Class B concrete cover to suit Series 600 Polymer pit	Y	82
21480C	Class B concrete cover to suit Series 600 Polymer pit "COM-CAB"	Y	82
21480E	Class B concrete cover to suit Series 600 Polymer pit "ELECTRICITY"	Y	82
Traffic Signal & Data Control Bases			
67003	Traffic controller base (125mm x 250mm hole) (UMS 630 Rev.B)	Y	440
67008	Gateway traffic controller base (420mm x 430mm hole)	Y	425
67012	TMR Traffic Control Base 340 x 250	Y	461
	Other types available on request.		
Miscellaneous Concrete Items			
Step Treads			
	All step treads are 250mm wide & supplied with 4 x 10mm bolts		
51600	915mm (3') Step Tread Wide Ripple	Y	28
51630	1000mm Step Tread-Glv Reo-Wide Ripple	Y	30
51640	1100mm Step Tread-Glv Reo-Wide Ripple	Y	33
51645	1200mm Step Tread-Glv Reo-Wide Ripple	Y	36
Hot Water Slabs			
44232	Hot Slab 450	Y	21
44231	Hot Slab 600	Y	36
44233	Hot Slab 750	Y	61
Concrete Slabs			
42512	450mm Sq X 38mm thick slab	Y	18
42515	600mm Sq x 38mm thick slab	Y	32
42525	600mm Sq x 50mm thick slab	Y	42
64160	900mm x 450mm x 50mm thick slab	Y	46
44234	Heat Pump Slab (900 x 700 x 50)	Y	75
Wheel Stops			
61101	Wheel Stop precast concrete 2000l x 180w x 100h	Y	85
61103	Wheel Stop precast concrete 1800l x 180w x 100h	Y	75
61104	Wheel Stop precast concrete AS2890 1650l x 180w x 100h	Y	65
84964	GMS spike (2 required per wheel stop)	Y	1

CIVIL & COMMERCIAL PRODUCT LIST

All products sold per unit.

mto = made to order

Product Code	Description	Stock Item	Weight kgs
Concrete U-Channel & Grate (Grated Drain)			
45031	300W x 200D x 1.0mtr L U-channel	Y	94
45306	300W x 1.0mtr L Class B GMS grate to suit 45031	Y	23
Valve & Hydrant Concrete Surrounds			
64200	Concrete surround Hydrant	Y	38
64205	Concrete surround Valve	Y	32
64206	Concrete surround Valve (Round hole)	Y	32
Polymer Pit Concrete Surround			
21035	Concrete surround to suit polymer rainwater pit (265mm sq ID)	Y	14
Other			
42007	BCC or GCCC kerb cross over slab 900mm x 590mm x 90mm	Y	102
66902	Concrete manhole cover riser ring (600 ID x 900 OD) 35mm	Y	31
66903	Concrete manhole cover riser ring (600 ID x 900 OD) 50mm	Y	45
23005	600mm dia x 300mm high concrete riser	Y	58
23010	600mm dia x 600mm high concrete riser	Y	110
Other Miscellaneous Items			
Step Irons			
14971	Step Irons Plastic Coated 225mm	Y	1
Megapoxy			
17992	Megapoxy P1 Adhesive 4 litre	Y	5
17999	Megapoxy P1 Adhesive 20 litre	Y	21
Geofabric			
82061	Geotextile 600mm x 50m	Y	4
82064	Geotextile 800mm x 50m	Y	6
82066	Geotextile 1000m x 50m	Y	7
82067	Geotextile 1200m x 50m	Y	8
82068	Geotextile 2000mm x 50m	Y	12

RibStruct offers significant advantages over conventional steel, concrete, FRC and uPVC pipe systems.

Light weight

RibStruct pipe compares favourably with competitor products and is substantially lighter than traditional materials.

Attractive price

Competitive purchase price, coupling included with each length and can be cut using hand tools means ease of installation and low costs throughout the whole project.

Corrosion free

Injection moulded Polypropylene will withstand attack from a wide range of chemicals.

Impact resistant

Unharmed by sudden shocks that would shatter or permanently distort more brittle materials.

Durable

Long-lasting, resilient and resistant to physical damage, with very low maintenance requirements.

Resistant to fouling

Smooth interior with no porosity or crevices for waste matter or algae to cling to.

Low friction

Smooth pipe means less resistance, less head loss, and improved performance over conventional pipes.

The lightweight drainage pipeline system with the strength of a heavyweight

The RibStruct polypropylene pipeline system weighs substantially less than traditional materials and other competing products.

Manufactured using a moulding process unique to Everhard Industries, RibStruct has a smooth internal surface, reducing liquid head losses by friction and greatly reducing opportunities for foreign matter, algae and other fouling to adhere to the pipe wall.

It is positioned and installed quickly and safely with a minimum of time and effort, and its light weight makes for easy handling and low cost transport, with no specialised lifting equipment.

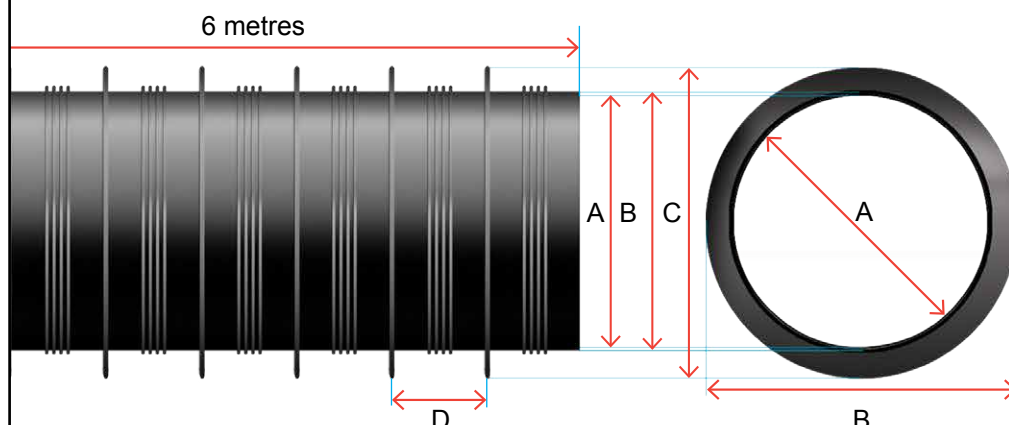
The advantage of Ribs

Plastic materials have a relatively high thermal coefficient so conventional plastic pipes require careful attention to jointing and laying details to cater for the resultant expansion and contraction. In the case of the RibStruct, the ribs are an effective means of



transferring thermal stresses to the surrounding material, providing an anchor against thermal and other horizontal movements, thus minimising the operational requirements of the joint, and ensuring water-tightness.

The ribs also positively locate the pipe during installation and, after backfilling is complete, eliminates axial in-ground movement.



Product Code	Description	Weight Kg	Dimensions (mm)			
			A	B	C	D
86713	RibStruct Pipe DN300 x 6.0mt c/w coupling & 2 rings	34	300	310	370	125
86723	RibStruct Pipe DN375 x 6.0mt c/w coupling & 2 rings	49	373	385	455	143
86783	RibStruct Pipe DN485 x 6.0mt c/w coupling & 2 rings	78	486	500	584	160
86703	RibStruct Pipe DN610 x 6.0mt c/w coupling & 2 rings	108	613	630	734	185
Accessories and Fittings also available including risers, individual components and manhole covers - refer to price list						

Nominal sizes

RIBSTRUCT JOINING & FITTINGS

Joining

RibStruct is connected using a vee-seal and coupling. This is a tried and tested method of flexible jointing providing many benefits to the specifier, installer and end user including:

- Faster effective laying of pipeline system.
- Rigid coupling provides for better alignment of pipeline.
- Coupling and two vee-seals come standard with each length.
- Ensures maximum effective sealing length every time.
- Hydrostatically tested up to 280 kPa while subject to 3-degree deflection.



Ribstruct Coupling

Rubber Seal Rings

Fittings

A large range of moulded and fabricated fittings are available for the RibStruct pipeline system. Junctions, Bends, Level Invert Taper Pipes and Stops Ends can all be supplied.



Transport Savings

RibStruct can be stored and transported while nested within each other. This means savings when delivering the pipes to the jobsite.



Installation

Installation is relatively simple, requiring the trench to be excavated to the required depth for the invert of the pipe, allowing at least the minimum embedment and cover required by AS/NZS 2566.1:1998, as shown:

Cover when NO vehicle loading	300mm
Cover for vehicle loading	
○ Not in roadways	450mm
○ In sealed roadways	600mm
○ Under unsealed roadways	750mm
Cover for embankments or subject to construction equipment	750mm

carefully lowered into the trench allowing the ribs to penetrate the bedding. This allows the barrel of the pipe to be fully supported by the underlay.

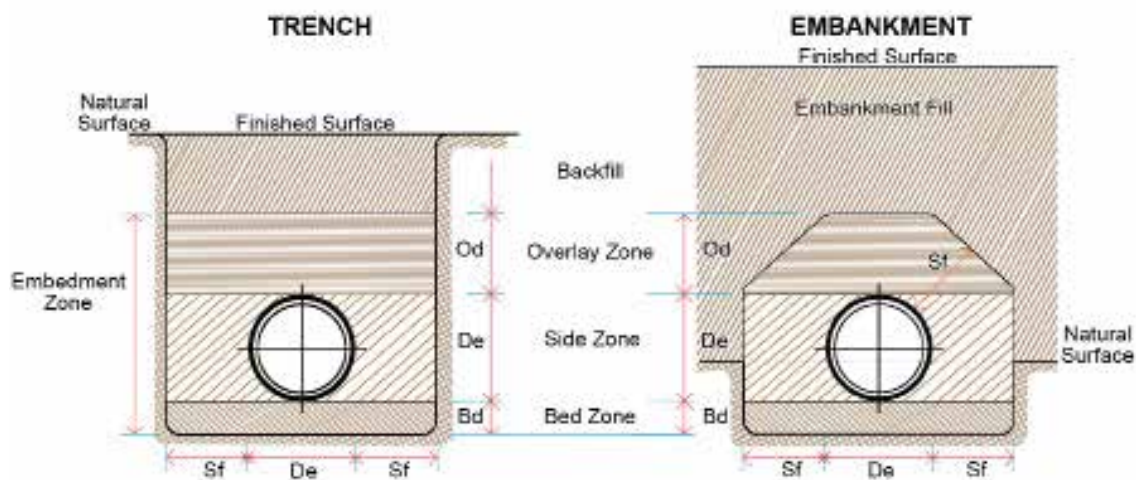
The simultaneous filling and even compaction

of material on the sides prevent displacement of the pipe. The balance of the backfill may be placed in layers of 300mm and compacted by machine to meet pavement or other design requirements as specified by the engineer.

RibStruct	Dia (De)	Bd	De	Sf	Od
DN300	310	100	310	200	200
DN375	385	100	385	200	200
DN485	500	150	500	300	300
DN610	630	150	630	300	300

All dimensions in mm

The trench bottom should be level within the limits of the required gradient and backfilled to a depth of between 100 - 150mm with suitable bedding material that is free from all stone or hard projections as specified in AS/NZS 2566.1:1998. After connections are made, the RibStruct should be



SEPTIC TANKS & COLLECTION WELLS

Lightweight yet robust, Everhard's injection moulded polypropylene tanks offer a number of benefits over heavy precast concrete alternatives. Our 3000L and 4000L tanks weigh approximately 130kg and 175kg respectively. This allows our tanks to be easily positioned and installed by a plumber or drainer without the need for expensive lifting equipment. The shape and design allows multiple tanks to be nested during delivery resulting in economical transportation to all local, rural and overseas regions.

Everhard carries out full hydrostatic tests on the entire tank body as well as performing impact tests and a strength test to ensure that tanks fitted with a lid can support a 5kN (510kg) load. These tests prove that the Polymer Septic Tanks meet the exacting standards of the Australian/New Zealand Septic Tank Standard AS/NZS 1546.1.

Polypropylene is impervious to attack from moisture and cannot corrode, providing a lifetime of safe and reliable use.

Tank Risers

300mm Polymer Risers are available for use in situations where the inlet to the septic tank needs

to be deeper to obtain sufficient fall from the wastewater source. The riser increases the depth of the tank piping (not the tank capacity) while keeping the access and inspection covers above ground level. Risers are available for all models except for 4000L systems and are supplied with a reinforcing band.

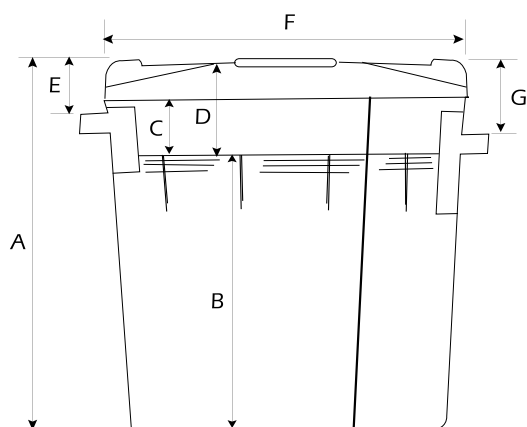
Installation

Supplied in kit form for easy installation, each tank comes with an assembly pack which includes inlet and outlet junctions, seals, inspection and access covers, stainless steel fixing screws, together with detailed assembly, installation instructions and maintenance schedules. Everhard Polymer Septic Tanks can be installed in a partially or fully above-ground situation. Tank lids are tested to comply with AS/NZS 1546.1, however they must never be buried. They are ideally located in a garden bed or other non-trafficable situation. An installation exposed to any form of pedestrian, livestock or vehicular traffic must be designed by a qualified engineer and approved by the local authority. Larger capacity systems can be created by using multiple tanks.

Why Green?

Everhard has been manufacturing polymer septic tanks for more than 20 years. To meet the exacting requirements of AS/NZS1546.1, we use high grade virgin polypropylene. Being manufactured from polypropylene, these tanks are impervious to attack from moisture, corrosion, are recyclable and can last for over 100 years.

We have now chosen to manufacture our tanks in eucalyptus green polymer to assure our customers that we use virgin polymer (raw material) in our septic tanks. Green polymer also provides added protection against ultraviolet light.

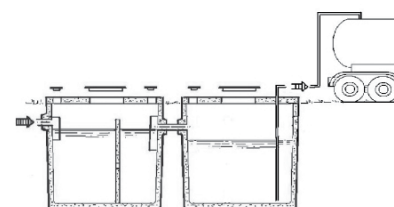


Product Code	Description	Weight Kg	Dimensions (mm)						
			A Overall Height	B Liquid Level	C Tank Rim to Invert of Outlet	D Under Roof to Invert of Outlet	E Maximum Cover to Inlet Pipe	F Diameter at Top	G Maximum Cover to Outlet Pipe
87042	2500L Septic Tank no partition	130	1875	1170	440	650	540	1880	590
87043	2500L Septic Tank with partition	135	1875	1170	440	650	540	1880	590
87001	3000L Septic Tank no partition	130	1875	1385	225	475	325	1880	375
87003	3000L Septic Tank with partition	137	1875	1385	225	475	325	1880	375
87007	3000L Collection Well	125	1875	1385	225	475	375	1880	
87210	4000L Septic Tank no partition	201	2335	1845	225	475	325	1880	375
87211	4000L Septic Tank with partition	210	2335	1845	225	475	325	1880	375
87216	4000L Collection Well	201	2335	1845	225	475	325	1880	

CONCRETE SEPTIC TANKS



EVERHARD Septic Tanks are ideal for the treatment of domestic waste-water and are often used with other products in the EVERHARD range for normal on-site disposal by land application methods such as evapo-transpiration trenches or beds. EVERTRENCH is a popular choice. Where on-site disposal is not possible, the range of matching EVERHARD Collection Wells offers means of temporarily storing the treated waste-water for regular removal by an authorised contractor to an approved off-site disposal station. These are manufactured to specific orders to match the selected Septic Tank.



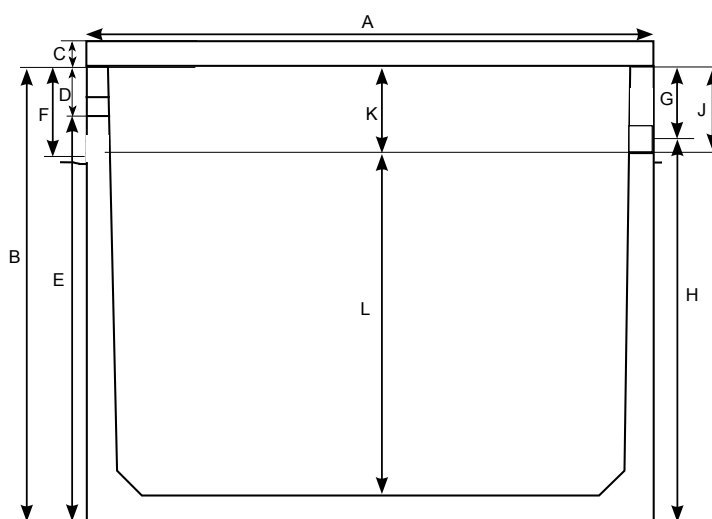
The EVERHARD range of steel-reinforced pre-cast Concrete Septic Tanks includes units with operating capacities between 1600 and 6000 litres.

Tanks are produced in rigid steel moulds, offering consistent quality and dimensional stability. EVERHARD Concrete Septic Tanks are produced in strict accordance with the current Australian Standard AS/NZS 1546.1:2008 and rigorous tests are conducted to ensure compliance with requirements for StandardsMark licencing.

Inlet and Outlet connections are designed to accept standard 110mm diameter pipe such as DN100 DWV in uPVC or DN100 HDPE, with rubber joint seal rings to accomodate minor misalignment. Tanks are supplied with internal inlet and outlet baffles already fitted, and are now equipped with proven injection moulded polypropylene access and inspection covers as standard. Many tanks are available with internal partitions dividing the Tank into 2:1 ratio chambers, which is required by many local or state authorities.

EVERHARD Concrete Tanks can often be used for other applications associated with the storage of stormwater or process water.

Note that they are not suitable for storing acidic or alkaline materials without a suitable protective treatment system which must be applied on-site. Neither are they suitable for receiving hot water discharges over 60°C.



Product Code	Description	Weight (Kg)	Dimensions (mm)										
			A	B	C	D to centre	E	F to invert	G to centre	H	J to invert	K	L
11010	1600L concrete septic tank complete	1520	1380	1900	75	355	1545	405	410	1490	460	460	1370
11028	3000L concrete septic tank complete	2700	1790	2040	75	355	1685	415	410	1630	460	460	1515
11029	3000L concrete septic tank c/w partition	3100	1790	2040	75	355	1685	415	410	1630	460	460	1515
11030	3900L concrete septic tank complete	2647	1925	2165	75	355	1810	405	410	1755	460	460	1640
11434	3900L concrete septic tank c/w partition	2997	1925	2165	75	355	1810	405	410	1755	460	460	1640
11192	6000L septic tank complete	4040	2420	2040	90	345	1695	395	400	1640	450	450	1500
80049	Xtra treat outlet filter to suit concrete tanks	1											
Parts and accessories also available including risers, individual components and manhole covers - refer to price list													

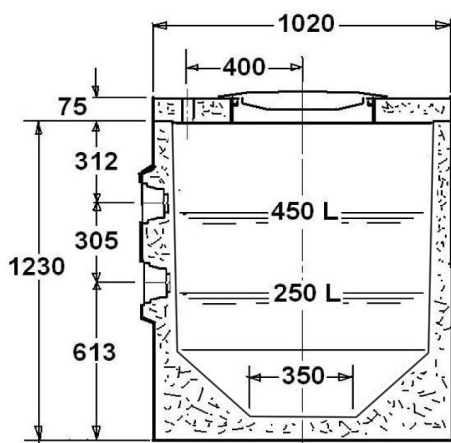
CONCRETE PUMP WELLS

EVERHARD manufactures a 450 litre and a 1000 litre Pump Well in steel-reinforced pre-cast concrete. These are fitted with "Swift-Lift" lifting anchors for safe handling.

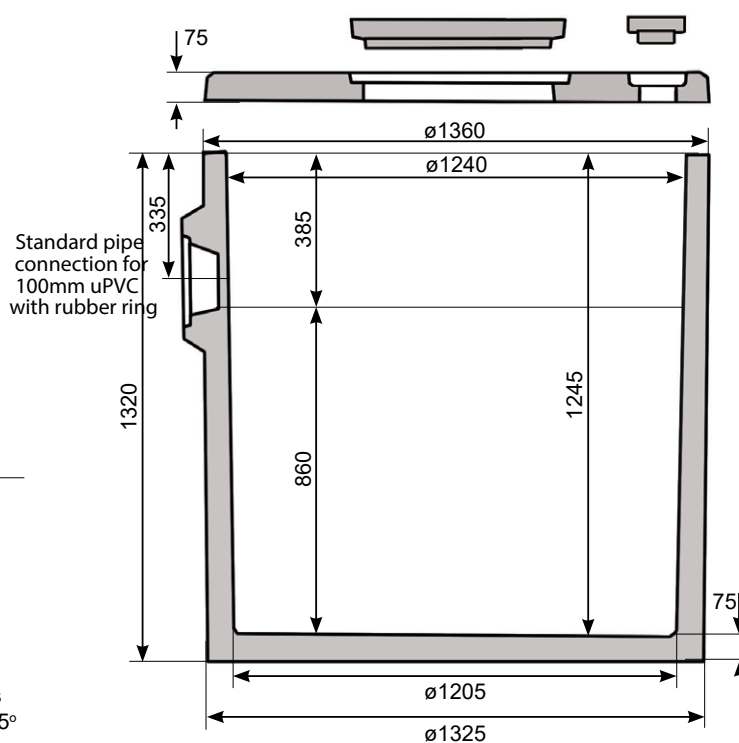
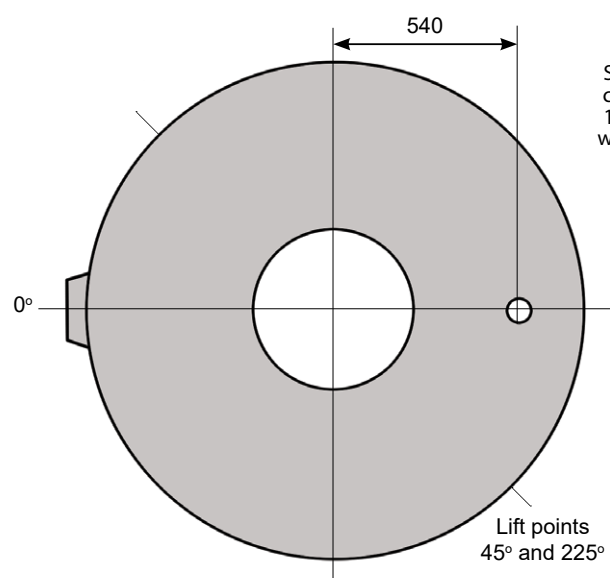
Risers are available for both types where deeper installations are required.

Both types of Pump Well are designed to accommodate internal submersible pumps with discharge through the vessel top.

450L Pump Well



1000L Pump Well



Product Code	Description	Weight (Kg)
12010	450L pumpwell complete with light duty lid	830
12510	450L pumpwell case only	713
12600	450L pumpwell lid only	96
12030	1000L pumpwell complete with light duty lid	1148
12530	1000L pumpwell case only	980
12630	1000L pumpwell lid only	212

POLYMER PUMP WELL

250/450L PUMP WELL

Everhard's 250/450 Pump Well has been a robust and effective solution in many domestic and industrial applications for several years. Our new spherical design provides the symmetry that our customers have been looking for with a deeper invert that provides greater flexibility in a number of usage situations.

Inlet Connections

The upper level inlet connection provides a capacity of 450 litres while lower level inlet offers a capacity of 250 litres. The Pump Well is supplied with these connection recesses closed and the chosen port can be cut using an appropriately sized hole-saw.

All of the inlet connections will accept standard DN100 uPVC DWV pipe with rubber joint rings, two of which are supplied with the Pump Well.

A connection recess in the side opposite the inlet is also moulded into the Pump Well and can be used for venting if required.

Deeper Invert

A 600mm Polymer Riser is available for use in situations where the inlet to the Pump Well needs to be deeper to obtain sufficient fall from the wastewater source. The riser increases the depth of the Pump Well connections while keeping the access

and inspection covers above ground level, however, it does not increase the tank capacity.

Easily Transported

The Polymer Pump Well's small footprint and low weight makes it economical to transport. Once on site, the Pump Well can be easily handled and manoeuvred without the need for machinery.

Recyclable Material

Polyethylene can be fully recycled and reused for the production of high quality products.

Standards Mark Licensed

The Everhard Polymer Pump Well has been tested to AS/NZS1546.1 and found to comply with the Australian/New Zealand standard for vessels such as Septic Tanks and Collection Wells for use in domestic and some other situations.

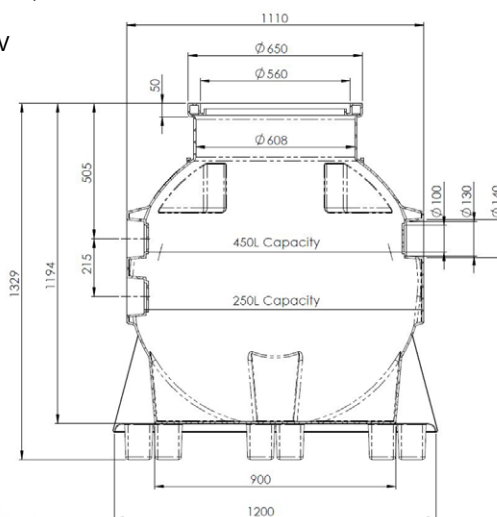
Durable

Polyethylene guarantees a high durability against dents, cracks or breaks in the material. The lawn green lid is also UV stabilised for longer life.

- 250 or 450 litre inlet capacity
- Seamless rotomoulded body
- Spherical design for increased strength
- Rubber ring seal fittings provided
- Lightweight construction
- Anchorage pockets to resist uplift
- Risers available
- Small footprint for economical transportation
- Tested to AS/NZS1546.1

Warranty

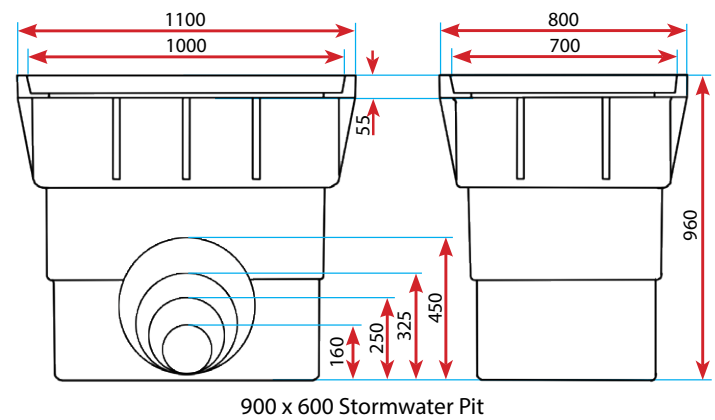
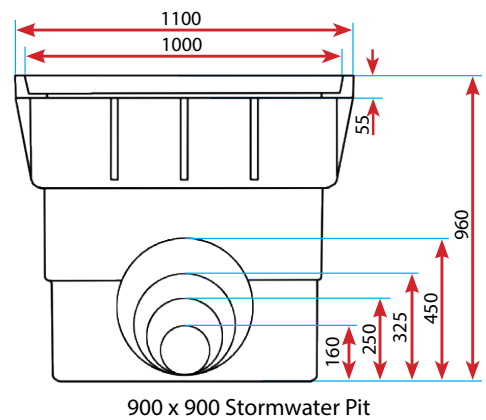
Everhard Industries provides a 15 year manufactures warranty on the polymer components and workmanship of the Pump Well.



Product Code	Description	Installation	Cover	Capacity	Weight (Kg)
82200D	Polymer Pump Well	Above and Below Ground	Class A	250/450L	44.0
82221	Pump Well Riser $\phi 630 \times 600\text{mm}$				18.0

POLYMER STORMWATER PITS

- Cost effective, low transport costs, can be man-handled.
- No penetration restriction on holes for electrical or data.
- Holes can be cut using a jig saw or hole saw.
- Lifting and tie down points built into the pits.
- Solid, durable UV stabilised polymer with exceptional weight to strength ratio.
- Risers available soon.



Product Code	Description	Mass (kg)
Stormwater Pits - 900 x 600		
97967	900 x 600 Polymer Stormwater Pit Case Only	30.00
15145	900 x 600 Galvanised Steel Grate Only Class B	55.00
97981	900 x 600 Polymer Stormwater Pit with Galvanised Steel Grate Class B	85.00
Stormwater Pits - 900 x 900		
97965	900 x 900 Polymer Stormwater Pit Case Only	43.00
15146	900 x 900 Galvanised Steel Grate Only Class B	74.00
97980	900 x 900 Polymer Stormwater Pit with Galvanised Steel Grate Class B	117.00

POLYMER STORMWATER PITS

Series 300, 450 and 600 Stormwater Pits

Designed for both commercial and domestic applications, Everhard stormwater pits are injection moulded in strong, durable, UV resistant polypropylene and are ideal for many trafficable areas when properly installed. Everhard stormwater pits provide both an economical and efficient solution for the removal of surface water to comply with AS/NZS 3500-2003. the entire range of Everhard polymer stormwater pits can be used with confidence and permit easy installation.

Grates and Covers

Everhard has a range of grates and covers to suit the Stormwater Pits from light-weight aluminium for the Series 300 to standard galvanised steel drop-in grates in Class A, B and D for all sizes. There are also heel friendly galvanised steel grates in Class B and stylish, heel friendly EURODESIGN 316 Stainless Steel for all sizes. Hard-wearing checkerplate covers for the Series 450 and 600 are available in standard or lockable and polymer covers are available for Series 300 and 450 for applications where the pit is not being used as a drainage inlet.

Stormwater Management Devices

Lightweight polymer leaf baskets are available for the Series 300 Stormwater Pit. Trash Screens and SQID® devices are available for Series 300, 450 and 600 and are designed to be simply placed into position under the standard Steel Grate to provide an efficient and cost-effective guard against trash entering the stormwater drains. No modification is needed to existing pits, and no extra work in new installations.



Series 300S Stormwater Pit Case

Series 300D Stormwater Pit Case

Series 300 Stormwater Pit Riser



Series 450S Stormwater Pit Case

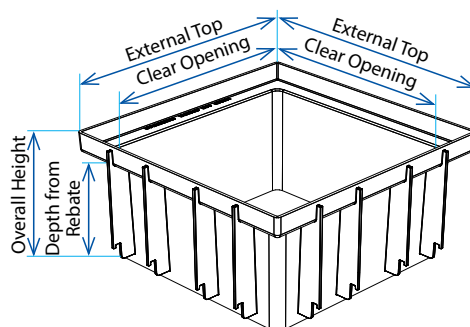
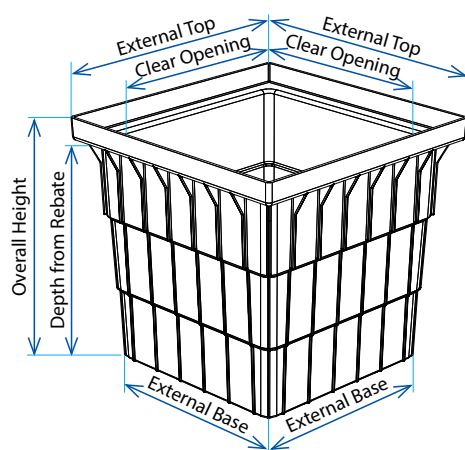
Series 450D Stormwater Pit Case

Series 450 Stormwater Pit Riser



Series 600 Stormwater Pit Case

Series 600 Stormwater Pit Riser

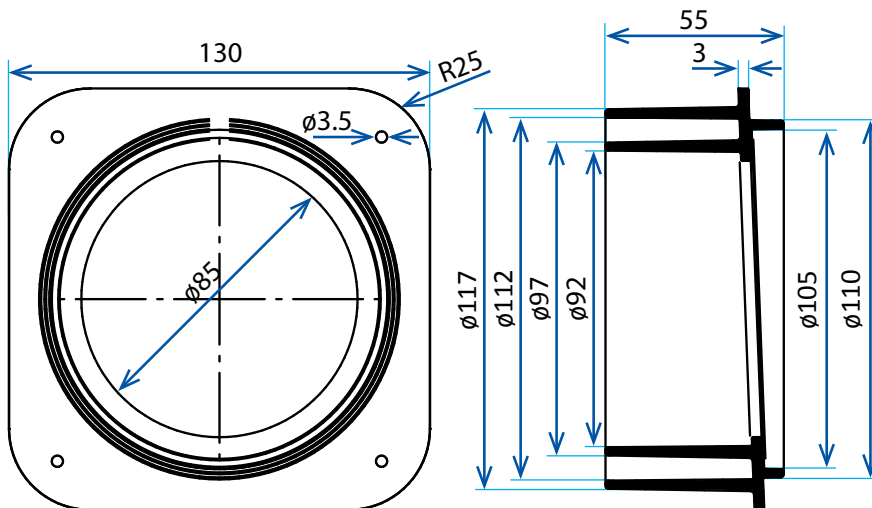


Product Code	Description	Internal Dimensions		External Dimensions			Capacity (Litres)	Weight Kg
		Clear Opening	Depth from Rebate	Top	Base	Overall Height		
84811	Series 300S Stormwater Pit Case only	315 x 315	300	357 x 357	292 x 292	326	26	1.8
84816	Series 300D Stormwater Pit Case only	315 x 315	425	357 x 357	292 x 292	452	37	2.3
84221	Series 300 Stormwater Pit Riser	315 x 315	150	357 x 357		165	14	1.0
80034	Series 450S Stormwater Pit Case only	450 x 450	325	565 x 565	435 x 435	383	62	5.6
80001	Series 450D Stormwater Pit Case only	450 x 450	450	565 x 565	435 x 435	510	80	8.0
80035	Series 450 Stormwater Pit Riser	450 x 450	300	565 x 565		300	60	4.8
80010	Series 600 Stormwater Pit Case only	600 x 600	600	715 x 715	560 x 560	660	193	14.0
80036	Series 600 Stormwater Pit Riser	600 x 600	300	715 x 715		300	108	8.8

PIT BOSS

The EasyDRAIN™ Pit Boss provides a secure and easy connection between Everhard's range of polymer rainwater and stormwater pits and uPVC pipe.

Made from ABS material, the EasyDRAIN™ Pit Boss can be secured to the wall of either the rainwater pit, Series 300, 450 and 600 Stormwater Pits using a suitable adhesive and stainless steel screws. Once installed, 90mm or 100mm uPVC pipe can be connected and sealed using plumber's solvent cement, providing a secure connection seal between the stormwater pit and the stormwater pipe, eliminating issues of pipe separation caused by subsidence and poor pipe connections.



Rear View

Side View

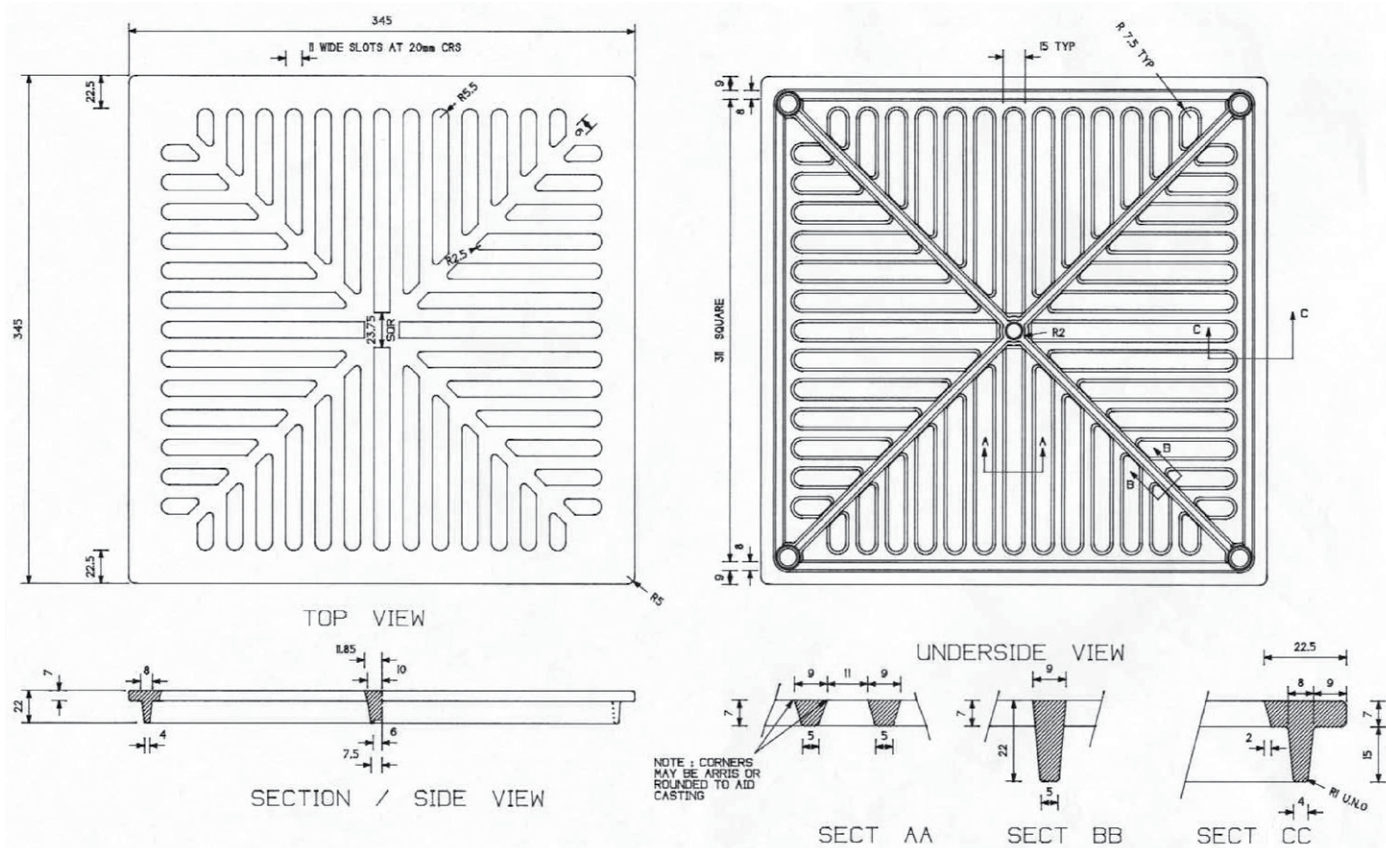
Installation Guideline

1. Choose the Everhard rainwater/stormwater pit that is suitable for your project.
2. Identify the location for the rainwater/stormwater pit and dig a hole to suit the pit.
3. Mark the location on the rainwater/stormwater pit where the stormwater pipe will connect to the pit. Use a 110mm hole saw if connecting to Everhard's Rainwater Pit and Series 300 Stormwater Pit or a 121mm hole saw if using a series 450 or Series 600 Stormwater Pit.
4. The Pit Boss can be connected to the outside of the Everhard Rainwater Pit and Series 300 Stormwater Pit and pushed through the hole from the inside of the Series 450 and 600 Stormwater Pits.
5. Use a suitable sealant/adhesive (e.g. Sikaflex 11FC or Sikaflex 221) on the plate of the EasyDRAIN™ Pit Boss and insert the back outlet of the EasyDRAIN™ Pit Boss into the cut out hole. Fix the EasyDRAIN™ Pit Boss to the rainwater/stormwater pit by using four self tapping stainless steel screws (not included) through the four holes provided in the EasyDRAIN™ Pit Boss.
6. Using plumber's priming fluid, ensure the inside connection of the EasyDRAIN™ Pit Boss and either the 90mm or 100/110mm uPVC pipe surface is cleaned thoroughly. To connect either 90mm or 100/110mm uPVC pipe to the EasyDRAIN™ Pit Boss, place plumber's solvent cement on the inside connection of the EasyDRAIN™ Pit Boss and the outside of the uPVC pipe.
7. Hold in place for 10 seconds to enable a secure connection and allow for the solvent cement to hold.
8. Backfill around the rainwater/stormwater pit.
9. Place the grate into the pit for completion.



Product Code	Description	Weight Kg
80080	Pit Boss uPVC Pipe to Stormwater Pit Connector	1.0

SERIES 300 PIT ALUMINIUM GRATE

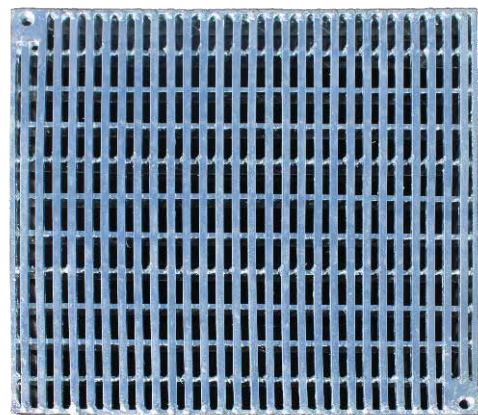
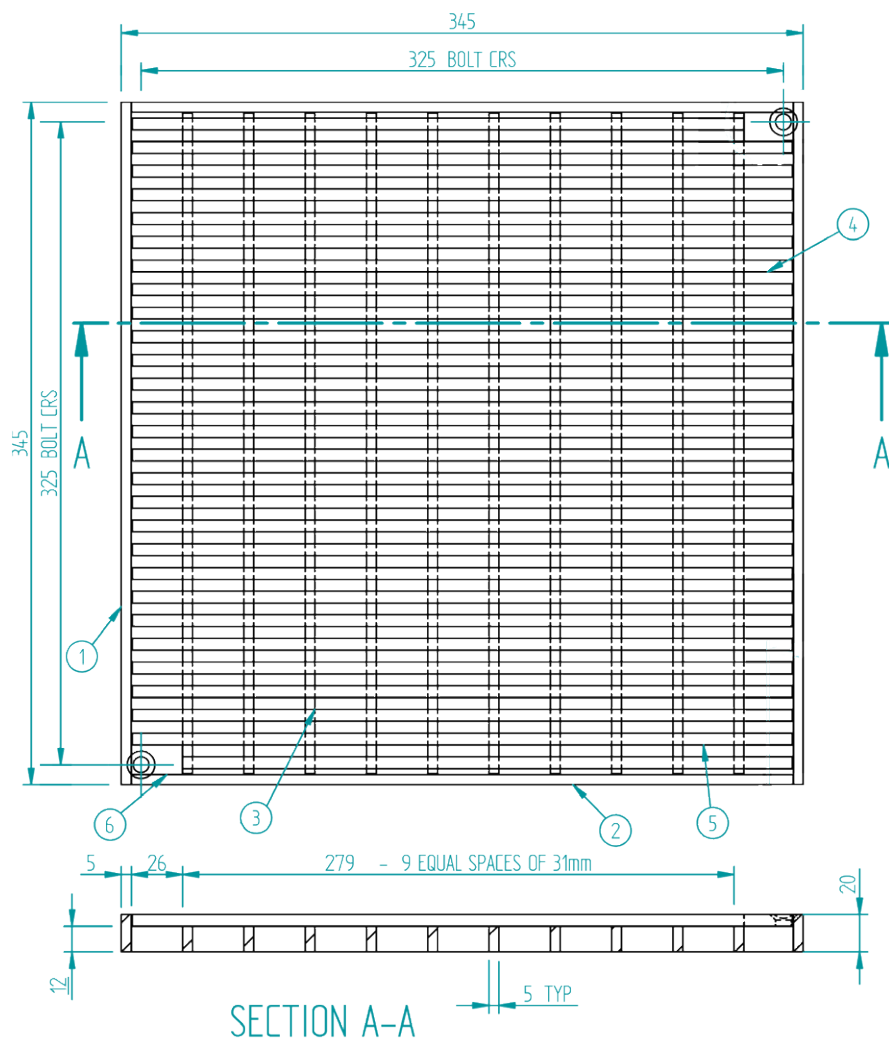


Product Code	Description	Weight Kg
84845	Series 300 Aluminium Grate Only	1.00

SERIES 300 PIT SQUARELINE GRATE

Galvanised Steel Drop In Grate

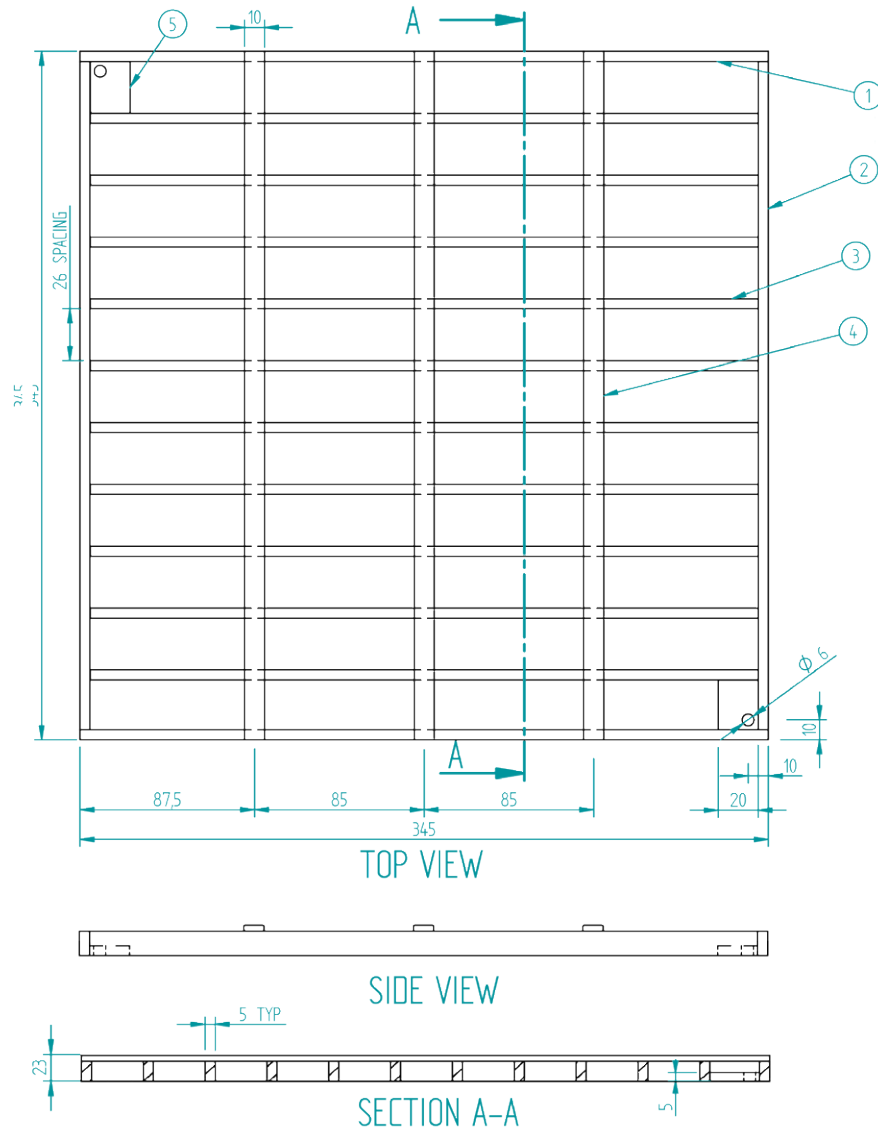
Galvanised Heel Friendly Squareline grates suit the Series 300 Polymer Stormwater Pits. Accommodates a bolt down feature if required using a galvanised countersunk bolt (not supplied.)



Item Number	Description	Material	Qty
1	End Bars	20 X 5 FMS X 345 LG	2
2	Side Bars	20 X 5 FMS X 334 LG	2
3	Load Bars	12 X 5 FMS X 334 LG	10
4	Cross Bars	6 SQR X 333 BAR	25
5	Cross Bars	6 SQR X 308 BAR	2
6	Fixing Plate	FIXING PLATE 25 X 15 X 5 PL	2

Product Code	Description	Class Loading	Clear Opening (mm)	Frame Size (mm)	Load Bars (mm)	Grate Depth (mm)	Weight (Kg)
21432	Series 300 Squareline HP Heel Friendly Grate	A	335 x 335	345 x 345	12 x 5	20	5.60

SERIES 300 PIT GALVANISED GRATE



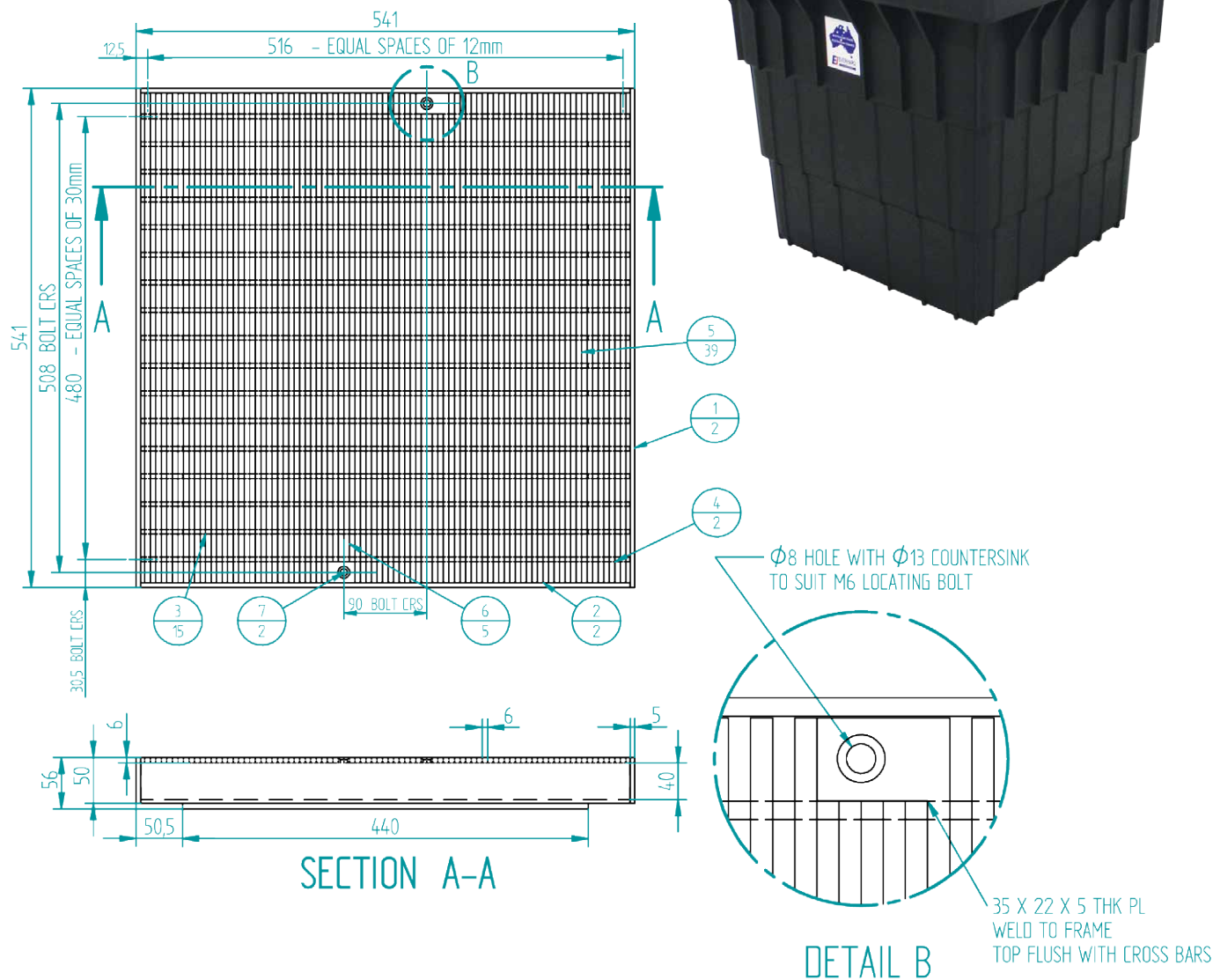
Item Number	Description	Material	Qty
1	Edge Bars	Bar 20 x 5 FMS x 344mm Long	2
2	End Bars	20 x 5 FMS x 333mm Long	2
3	Load Bars	20 x 5 FMS x 333mm Long	10
4	Tie Bars	10 x 3 FMS x 344mm Long	3
5	Anchor Tags	20 x 5 FMS x 25mm Long	2

Product Code	Description	Class Loading	Clear Opening (mm)	Frame Size (mm)	Load Bars (mm)	Grate Depth (mm)	Open Area (sqmm)	Weight (Kg)
84827	Series 300 pit galvanised steel grate only	A	300 x 300	345 x 345	20 x 3	20	89,290	3.72

SERIES 450 SQUARELINE GRATE

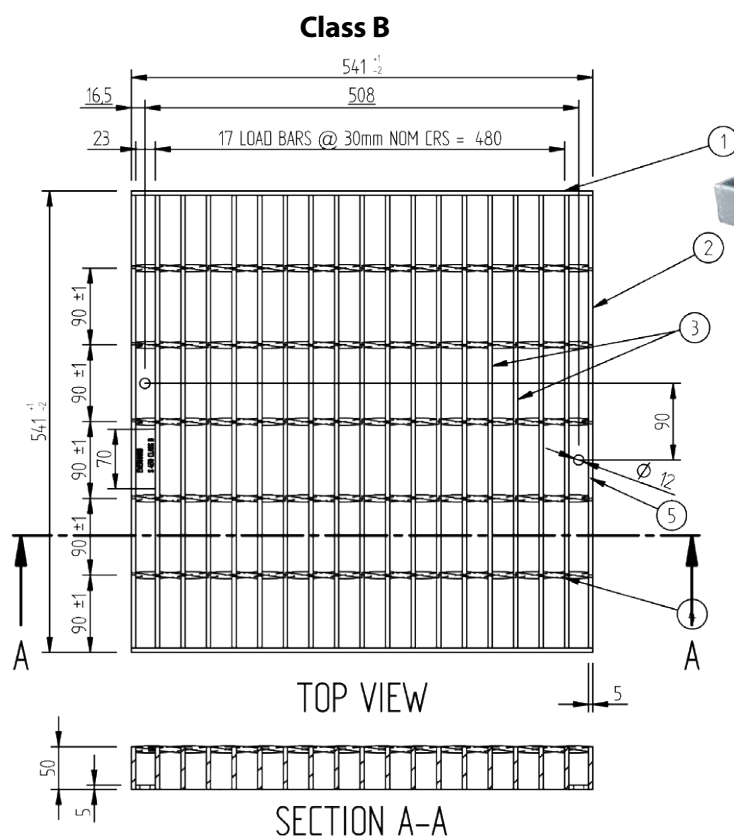
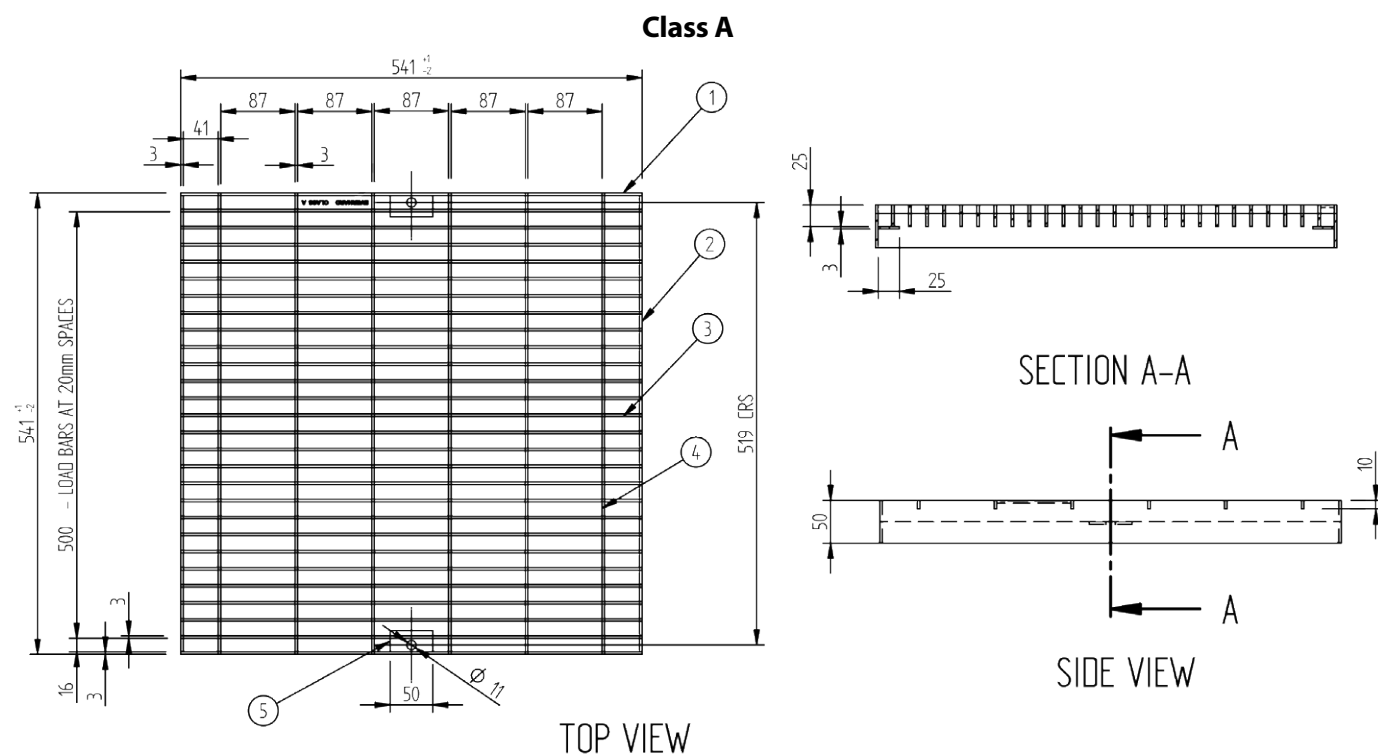
Galvanised Steel Drop In Grate

Galvanised Heel Friendly Squareline grates suit the Series Polymer 450 Stormwater Pits. Accommodates a bolt down feature if required using a galvanized countersunk bolt (not supplied.)



Item Number	Description	Material	Qty
1	End Bars	50 x 5 FMS x 541 LG	2
2	Side Bars	50 x 5 FMS 6 SQR X 506 BAR 530 LG	2
3	Load Bars	50 x 5 FMS x 530 LG NOTCHED	15
4	End Load Bars	40 x 5 FMS x 530 LG	2
5	Cross Bars	6 SQR x 530 BAR	39
6	Cross Bars	6 SQR x 506 BAR	5
7	Fixing Plate	35 x 22 x 5 PL	2

Product Code	Description	Class Loading (to AS3996)	Clear Opening (mm)	Frame Size (mm)	Load Bar (mm)	Grate Depth (mm)	Weight Kg
21433	Series 450 Squareline Heel Friendly Galvanised Steel Grate	A	450 x 450	541 x 541	50 x 5	50 x 5	21.1



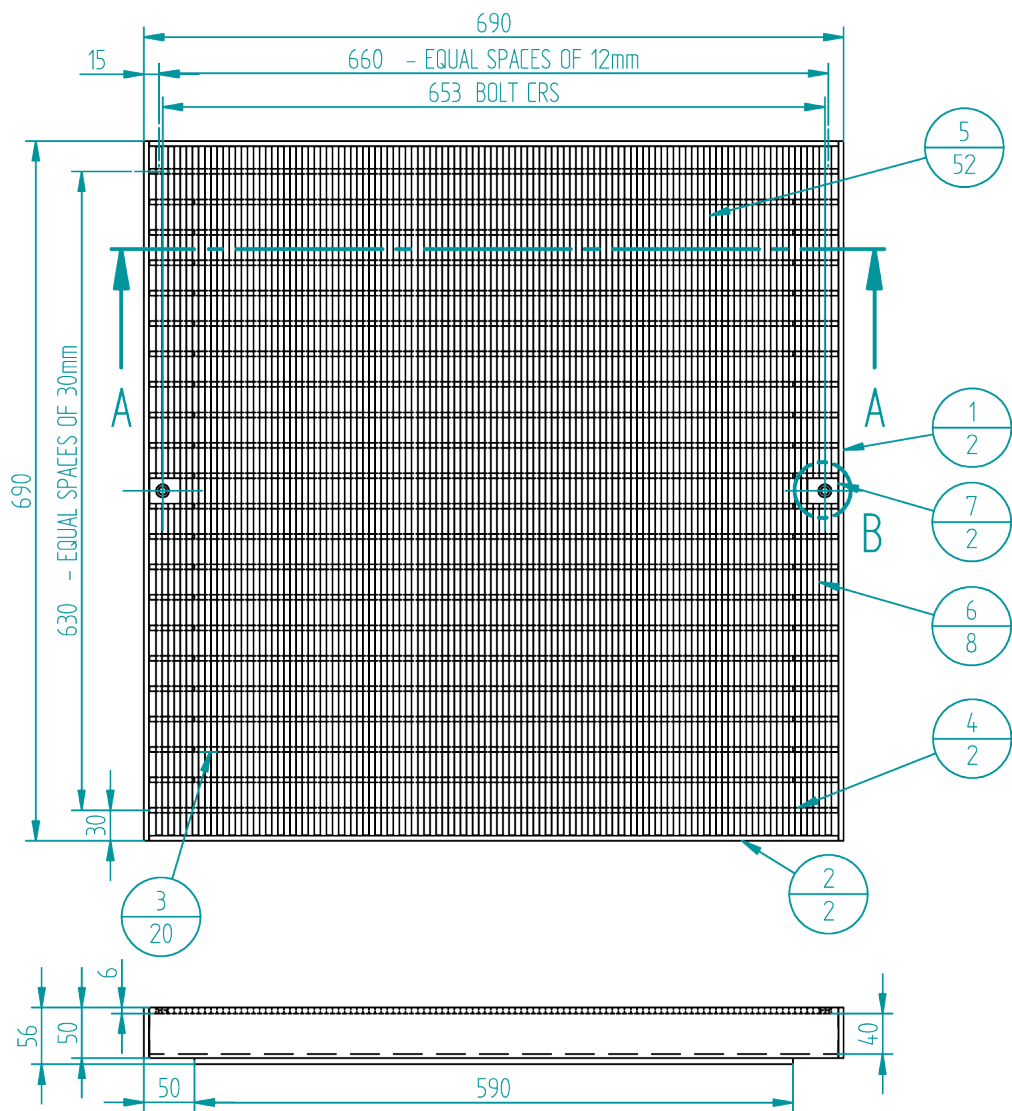
Item Number	Descript.	Class A		Class B	
		Material	Qty	Material	Qty
1	End Bars	50 x 3 FMS x 541mm LG	1	50 x 5 FMS x 541mm LG	1
2	Side Bars	50 x 3 FMS x 534.8mm LG	2	50 x 5 FMS x 530mm LG	2
3	Load Bars	25 x 3 FMS x 541mm LG	26	50 x 5 FMS x 530mm LG	17
4	Tie Bars	10 x 3 FMS x 540.8mm LG	6	6mm SQR Bar twisted	5
5	Anchor Plates	50 x 25 x 3 FMS	2	90 x 22 x 5 PI	2

Product Code	Description	Class Loading (to AS3996)	Clear Opening (mm)	Frame Size (mm)	Load Bar (mm)	Grate Depth (mm)	Weight Kg
21041	Series 450 Galvanised Steel Grate Only	A	450 x 450	541 x 541	25 x 3	50 x 3	14.00
21042	Series 450 Galvanised Steel Grate Only	B	450 x 450	541 x 541	50 x 5	50 x 5	21.00

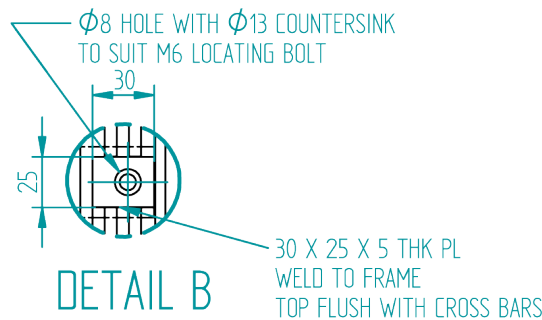
SERIES 600 SQUARELINE GRATE

Galvanised Steel Drop In Grate

Galvanised Heel Friendly Squareline grates suit the Series Polymer 600 Stormwater Pits. Accommodates a bolt down feature if required using a galvanised countersunk bolt (not supplied.)



SECTION A-A



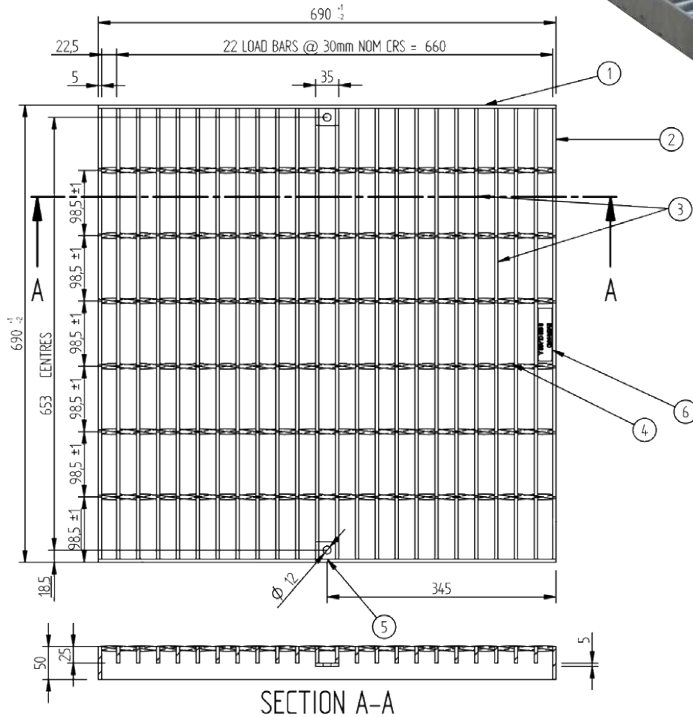
Item Number	Description	Material	Qty
1	End Bars	50 x 5 FMS x 690 LG	2
2	Side Bars	50 x 5 FMS x 679 LG	2
3	Load Bars	50 x 5 FMS x 679 LG NOTCHED	20
4	End Load Bars	40 x 5 FMS x 679	2
5	Cross Bars	6 SQR x 678 BAR	52
6	Cross Bars	6 SQR x 325 BAR	8
7	Fixing Plate	30 x 25 x 5 PL	2

Product Code	Description	Class Loading (to AS3996)	Clear Opening (mm)	Frame Size (mm)	Load Bar (mm)	Grate Depth (mm)	Weight Kg
21434	Series 600 Squareline Heel Friendly Galvanised Steel Grate	A/B	600 x 600	690 x 690	50 x 5	50	33.6

SERIES 600 GALVANISED GRATE

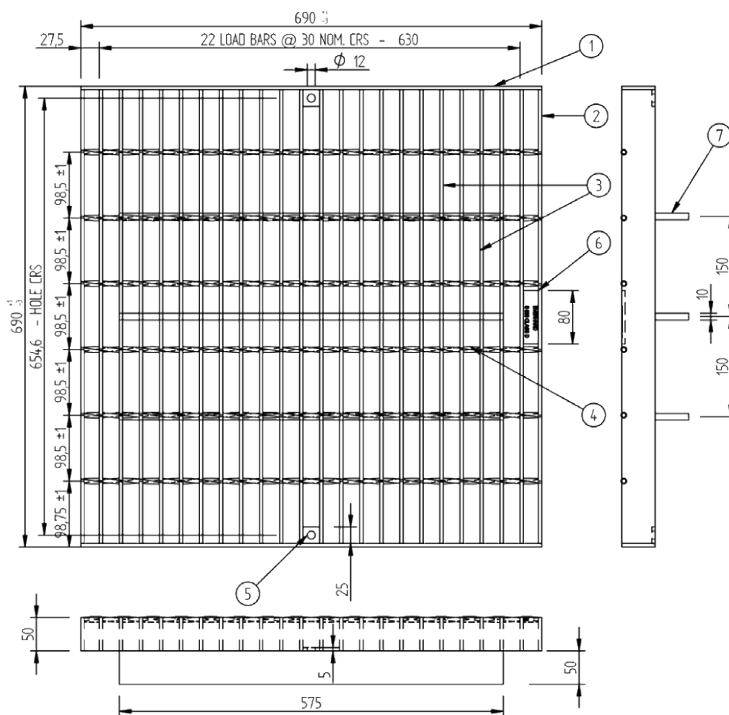


Class A

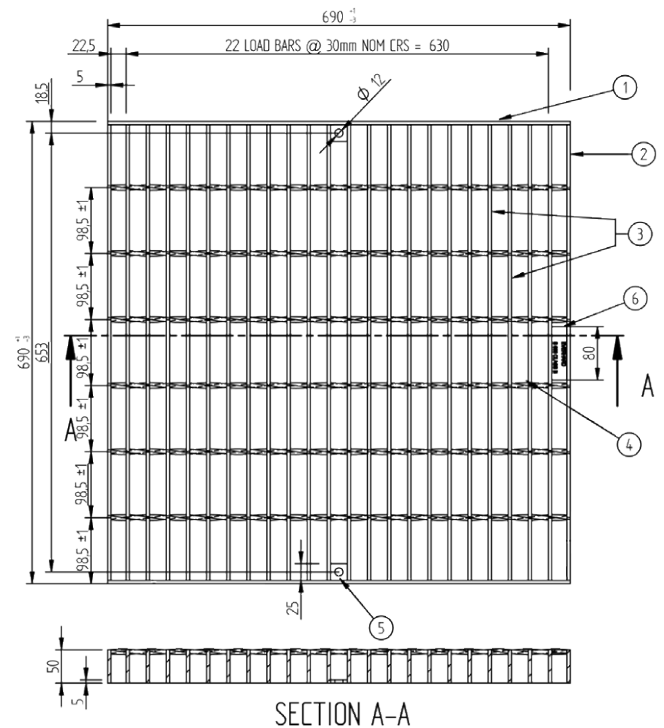


SECTION A-A

Class D



Class B

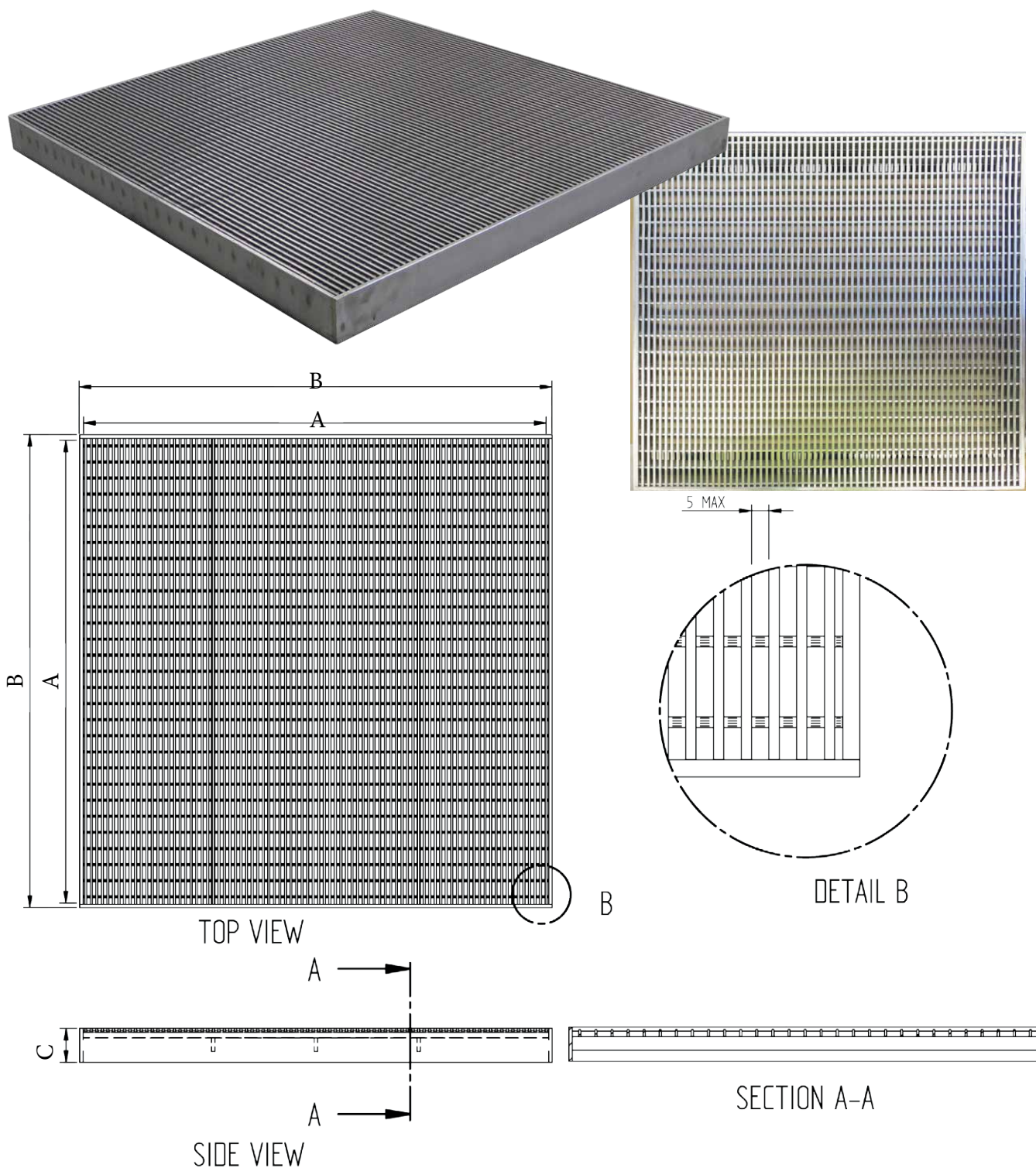


SECTION A-A

Item Number	Descript.	Material			Qty
		Class A	Class B	Class D	
1	End Bars	50 x 5 FMS x 690mm LG	50 x 5 FMS x 690mm LG	50 x 5 FMS x 690mm LG	1
2	Side Bars	50 x 5 FMS x 678mm LG	50 x 5 FMS x 678mm LG	50 x 5 FMS x 678mm LG	2
3	Load Bars	25 x 5 FMS x 678mm LG	50 x 5 FMS x 678mm LG	50 x 5 FMS x 678mm LG	22
4	Tie Bars	6mm SQR Bar twisted	6mm SQR Bar twisted	6mm SQR Bar twisted	6
5	Anchor Plates	20 x 25 x 5 PI	20 x 25 x 5 PI	20 x 25 x 5 PI	2
6	Data Plate	80 x 20 x 5 Plate	80 x 20 x 5 Plate	80 x 20 x 5 Plate	1
7	Stiffening Bars	N/A	N/A	50 x 10 Plate - 575mm LG	3

Product Code	Description	Class Loading (to AS3996)	Clear Opening (mm)	Frame Size (mm)	Load Bar (mm)	Grate Depth (mm)	Open Area (sqmm)	Weight Kg
21043	Series 600 pit galvanised steel grate only	A	600 x 600	690 x 690	25 x 5	50	359,520	22.00
21044	Series 600 pit galvanised steel grate only	B	600 x 600	690 x 690	50 x 5	50	359,520	36.00
21765	Series 600 pit galvanised steel grate only	D	600 x 600	690 x 690	50 x 5	50	359,520	42.60

316 Stainless Steel

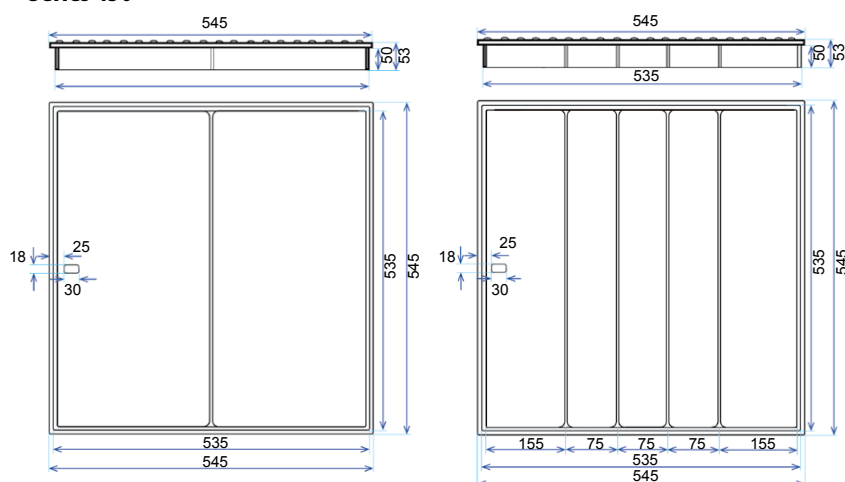


Product Code	Description	Class Loading	A	B	C	Open Area (sqmm)	Weight Kg
			Clear Opening (mm)	Frame Size (mm)	Grate Depth (mm)		
97846	Series 300 EURODESIGN 316 stainless heel safe grate only	A	300 x 300	345 x 345	20	55,084	4
97847	Series 300 EURODESIGN 316 stainless heel safe Anti-vandal grate only	A	300 x 300	345 x 345	50	55,084	14
97848	Series 450 EURODESIGN 316 stainless heel safe grate only	A	450 x 450	541 x 541	50	147,081	21
97849	Series 450 EURODESIGN 316 stainless heel safe Anti-vandal grate only	A	450 x 450	541 x 541	50	147,081	20
97855	Series 600 EURODESIGN 316 stainless heel safe grate only	A	600 x 600	690 x 690	50	214,290	41

GALVANISED CHECKER PLATE COVERS



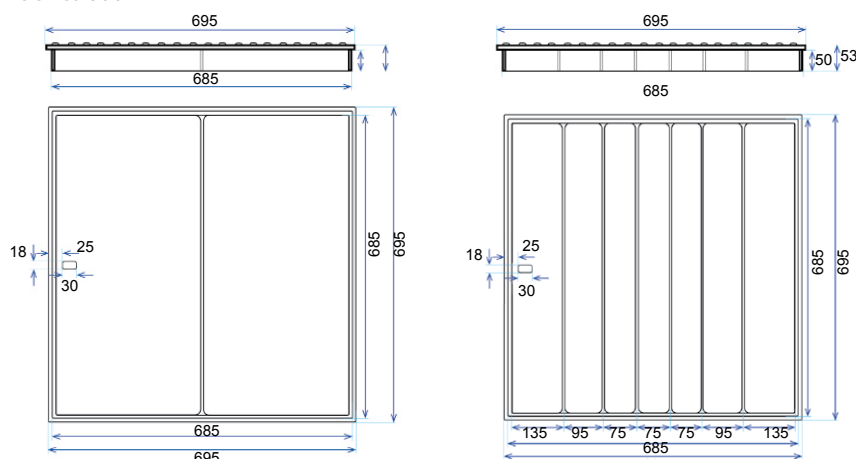
Series 450



Class A

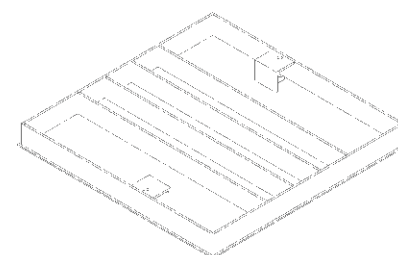
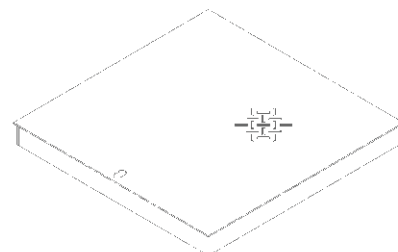
Class B

Series 600

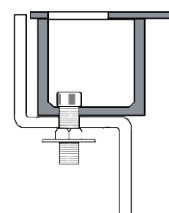


Class A

Class B



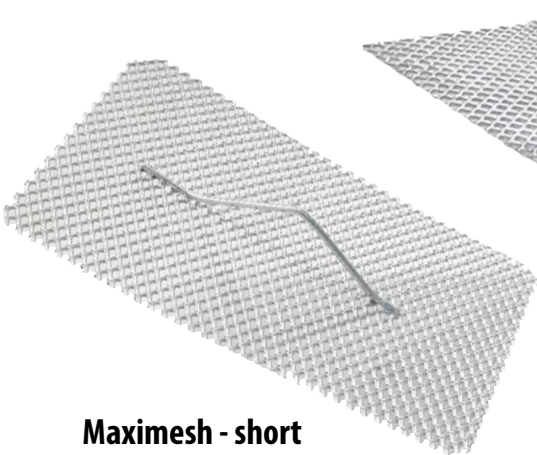
**Anchor for Polymer Pit
Grates & Checker Plates**



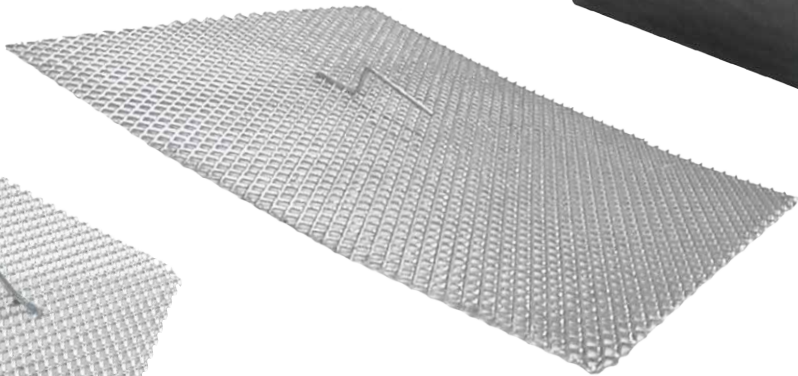
Product Code	Description	Load/Class	Clear Opening	Cover Size	Cover Depth	Weight Kg
84829	Series 300 Galvanised Steel Checker Plate Cover	A	300 x 300	345 x 345	23	4.5
21050	Series 450 Galvanised Steel Checker Plate Cover	A	450 x 450	545 x 545	53	13
21090	Series 450 Bolt-down Galvanised Steel Checker Plate Cover	A	450 x 450	545 x 545	53	15.5
21051	Series 450 Galvanised Steel Checker Plate Cover	B	450 x 450	545 x 545	53	15.3
21093	Series 450 Bolt-down Galvanised Steel Checker Plate Cover	B	450 x 450	545 x 545	53	20
21052	Series 600 Galvanised Steel Checker Plate Cover	A	600 x 600	695 x 695	53	19.7
21054	Series 600 Bolt-down Galvanised Steel Checker Plate Cover	A	600 x 600	695 x 695	53	23.5
21053	Series 600 Galvanised Steel Checker Plate Cover	B	600 x 600	695 x 695	53	27
21057	Series 600 Bolt-down Galvanised Steel Checker Plate Cover	B	600 x 600	695 x 695	53	36.5
21068	Anchor For Polymer Pit Grates & Checker Plates					

EVERHARD Maximesh pollutant traps are available for Series 300, 450 and 600 Polymer Stormwater Pits. They are made from Australian made "Expamet" 12-12 expanded and perforated steel sheet. This forms a rigid 1.2mm thick panel, with diamond shaped apertures of 23 x 9 mm, offering between 65 and 78% open area, which is generally adequate to retain material as small as cigarette butts. The assembly is hot-dip galvanised to prevent corrosion and ensure an extended working life.

The EVERHARD Maximesh pollutant traps are fitted with grab handles allowing the unit to be removed from the Pit for cleaning. No specialist tools or training are required. It is only necessary to occasionally monitor the collection area. When slower than normal draining has been observed, the Grate may be removed from the Pit.

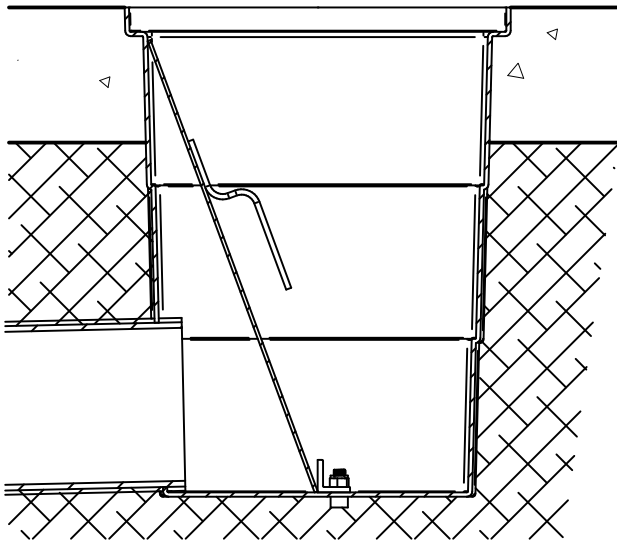
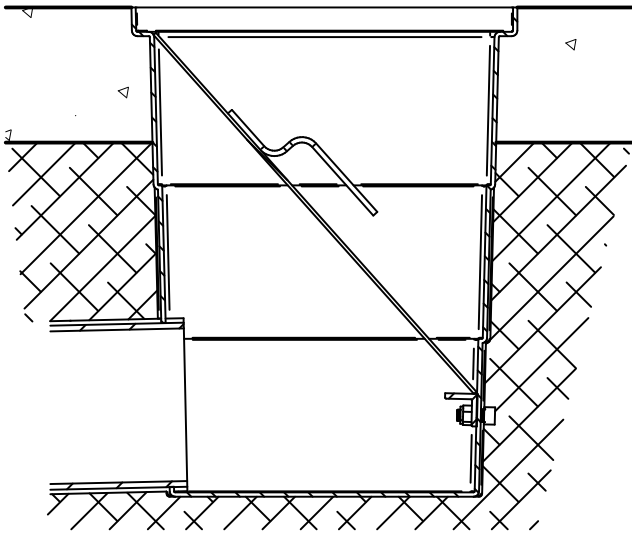


Maximesh - short



Maximesh - long

OPTIONAL SCREEN POSITIONS



FIT BRACKET & BOLT THROUGH PIT PRIOR TO INSTALLATION. ENSURE SCREEN IS A NEAT FIT IN PIT AT SELECTED POSITION

Product Code	Description	Mass (kg)
99824	Maximesh for 300 Pit 300 - 300 Deep	2.00
99815	Maximesh for 300 Pit 300 - 450 Deep	2.00
99825	Maximesh for 450 Pit - 325 Deep	3.00
99811	Maximesh for 450 Pit - 450 Deep	4.00
99812	Maximesh To Suit Plastic 600 Series Pit	6.00

TRASH SCREENS V BASKET

The EVERHARD Trash Screen/Basket is a rigid "Vee" which fits closely into the throat of the Pit below the Grate. The Trash Screen filters stormwater entering the Pit through the Grate, retaining the collected trash while allowing unrestricted passage of water travelling through pipes connected into the Pit. Requiring no modification to existing Pits, and needing no extra work in new installations, these are designed to be simply placed into position under

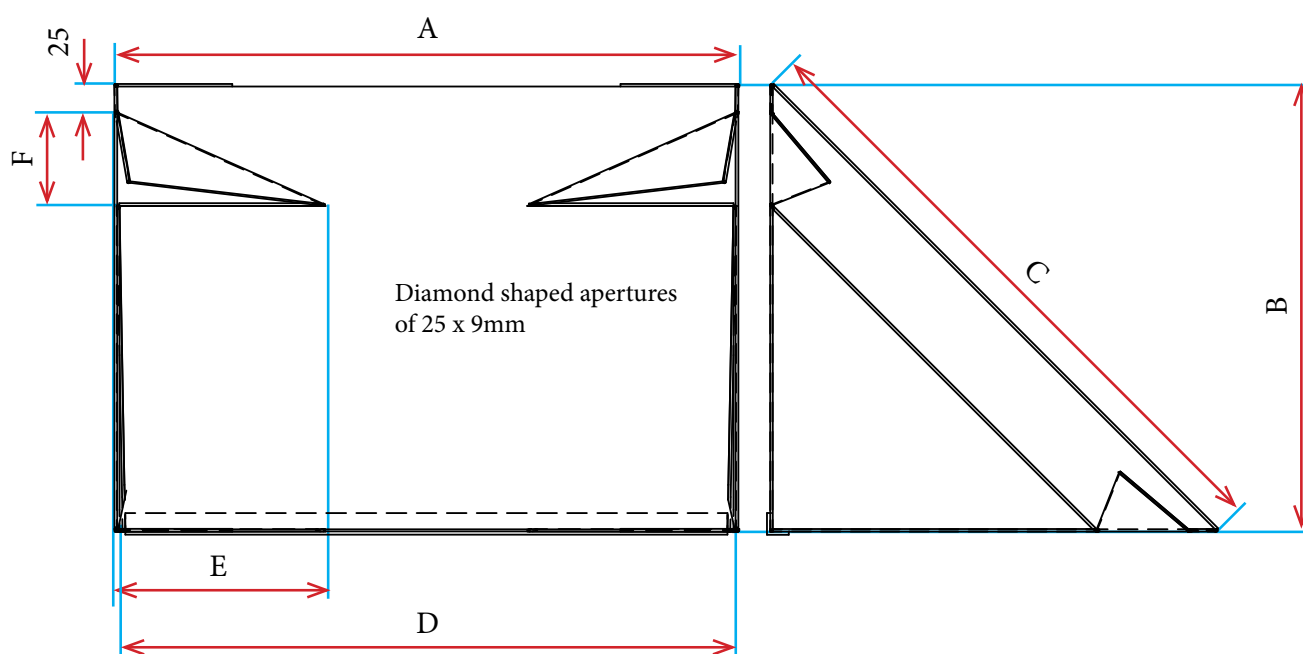
the standard Steel Grate to provide an efficient and cost-effective guard against trash entering the stormwater drains.

The Vee pattern means that the actual open area through the EVERHARD Trash Screen/Basket is actually greater than that of the open Pit throat, so that flow capacity into the Pit is not reduced by the screen. Overflow cut-outs at four places in the screen allow continued flow even when the screens are completely blocked, but it

is very strongly recommended that screens are cleaned frequently to prevent blockages.

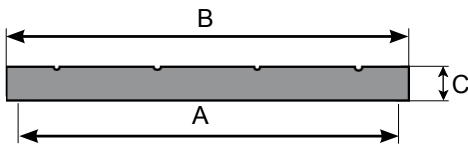
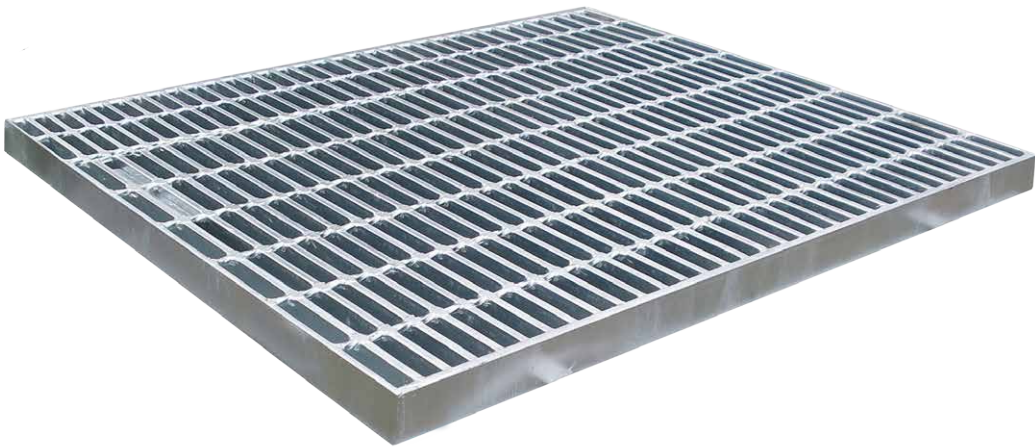
The ends of the unit make contact with the Pit walls and the enclosed basket makes removal of collected debris a simple task.

The unit may be easily and quickly lifted out and the accumulated material emptied into an appropriate receptacle for disposal at an approved site.



Product Code	Description	A	B	C	D	E	F	Mass (kg)
13500	Trash Screen V Basket suit 300 Pit	300	200	300	290	85	50	13.00
13501	Trash Screen V Basket suit 450 Pit	428	300	428	410	130	60	13.00
13502	Trash Screen V Basket suit 600 Pit	575	410	575	553	190	85	13.00

GALVANISED DROP-IN GRATES



Product Code	Description	Class/ Duty	Clear Opening A	Grate Size B	Depth C	Mass (kg)
15145	900 x 600 GMS drop in grate	B	910 x 610	1005 x 705	50 x 5	55
15146	900 SQ GMS drop in grate	B	910 x 910	1005 x 1005	50 x 5	74

EVOMAX CHANNEL & GRATE

Technodrain

The tongue and groove joint allows the installation of preassembled grates and channel. This assists time management and provides a more precise installation of the product.



Bolt down grates are standard.

Reinforcement centering for vertical load distribution.

Pre-shaped outlets at the base



Technodrain advantages compared to traditional systems:

- Made from durable HDPE (high density polyethylene) material.
- Light weight, offering savings on transport and installation costs - requires only one person to install.
- Strong, unbreakable and shock-resistant.

- Resists a wide range of acids, salts and hydrocarbons - Technodrain can be used in chemical plants, workshops and service stations.
- Can be used within a thermic range of -60°C and +100°C.
- With a co-efficient high flow rate, the Technodrain surface does not obstruct the

flow of water and reduces the deposit of aggregates.

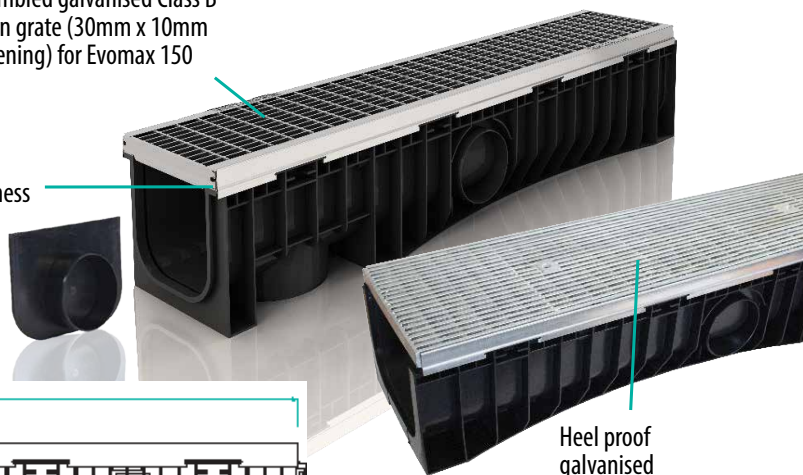
- The pre-shaped outlets on the bottom and side walls allow for quick and simple connection with the discharging pipes.
- The preassembled grates make installation very fast and efficient.

Technodrain evomax

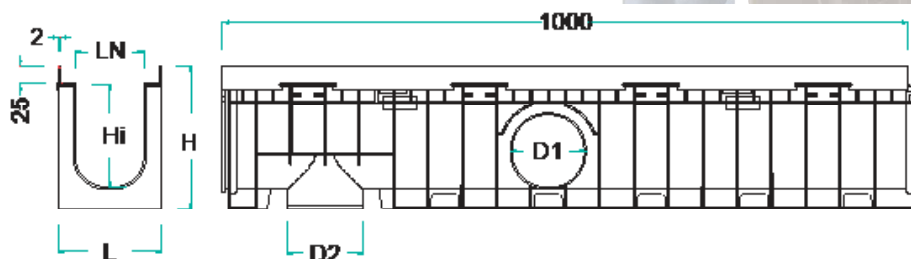
The Technodrain Evomax system consists of 1 metre HDPE channel with a 2mm thick galvanised steel frame. Evomax channel and grate is an ideal solution for driveways and parking lots, which will support loads up to Class B.

Pre assembled galvanised Class B lockdown grate (30mm x 10mm clear opening) for Evomax 150 and 200

Galvanised steel frame 2mm thickness



Heel proof galvanised grate option for Evomax 200



Product Code	Description	Class Rating	Dimensions (mm)				Outlet Diameter		Mass (kg)
			L	H	LN	H ₁	D1	D2	
81471	Evomax 150H Channel c/w Galvanised Class B Grate x 1m	B	200	209	150	150	Ø110	Ø110, Ø160	9.9
81422	Technodrain 150H HDPE End Cap								0.1
81503	Evomax 200H Channel c/w Galvanised Class B Grate x 1m	B	250	209	200	150	Ø110	Ø110, Ø160	11.8
81504	Evomax 200H Channel c/w Galvanised Class B Heel Proof Grate x 1m	B	250	209	200	150	Ø110	Ø110, Ø160	20.8
81402	Technodrain 200H HDPE End Cap								0.1

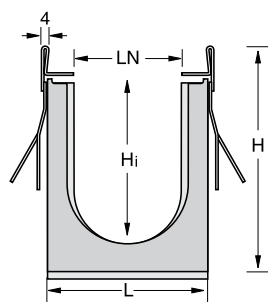
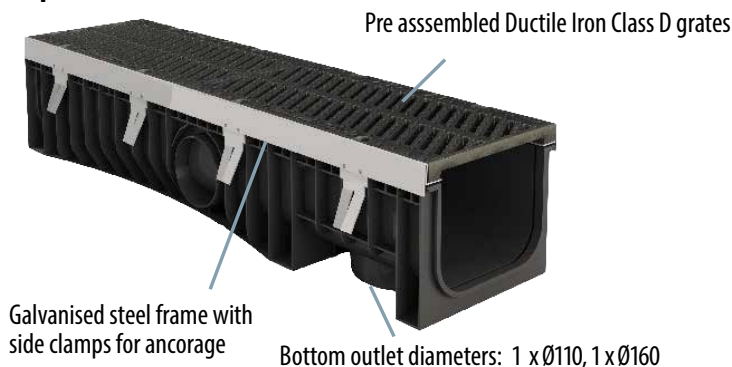
PRO & MAGNUM CHANNEL & GRATE

Technodrain
pro

Class D: Road side drainage channels, car parks

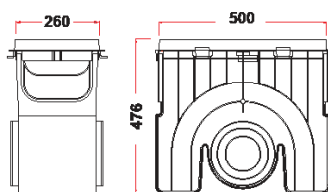
The Technodrain Pro system consists of HDPE channel with 4mm reinforced galvanized steel frame, equipped with side clamps for a greater anchorage to concrete. Technodrain pro channel and grate is an ideal solution for driveways,

crosswalks, parking and unloading areas for heavy motor vehicles, where the grate is required to support loads up to Class D.



DIMENSIONS		
Product	150H	200H
L	200	250
H	210	210
LN	150	200
Hi	150	150
Outlet Diameter	3 x Ø110 1 x Ø160	3 x Ø110 1 x Ø160
All dimensions are in mm.		

techno
box
200H SUMP DRAIN



The Technobox 200H Sump Drain can be installed at the end of the drainage line and has numerous benefits:

- Complete product that is ready for a fast and economic installation.
- Low impact on the road.
- High surface area drainage.
- Lightweight and unbreakable.
- The sump basket filter (optional accessory) can be installed for capturing debris and leaves.
- Siphon cover is removable for cleaning internally.

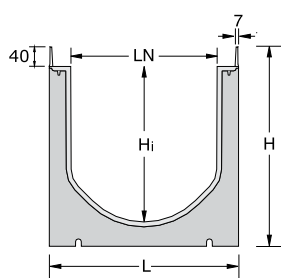
Product Code	Product Description	Weight (kg)
81423	Technodrain Pro 150H HDPE Channel & Ductile Iron Grate (Class D) x 1m	19.8
81422	Technodrain 150H HDPE End Cap	0.1
81380	Technodrain Pro 200H HDPE Channel & Ductile Iron Grate (Class D) x 1m	22
81402	Technodrain Pro 200H HDPE End Cap	0.1
81381	Technobox 200H HDPE Sump Drain C/W Ductile Iron Grate (Class D) x 500mm	13.1
81433	Basket Filter Sump 200	1.1

Technodrain
magnum
city

Class D: Road side drainage channels, car parks

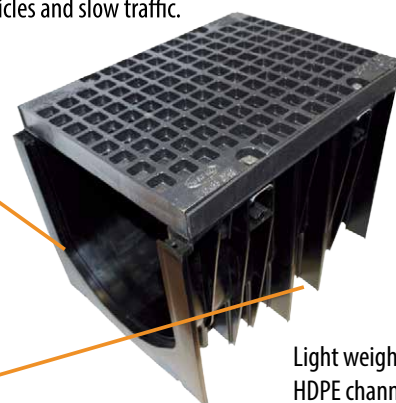
The Technodrain Magnum City system consists of HDPE channel with a narrow containment of 40mm high and a 7mm thick edge. It is the best solution for areas with a large volume of water to drain, but has to support loads up to Class D such as car parks, or areas for light motor vehicles and slow traffic.

DIMENSIONS	
L	390
H	410
LN	302
Hi	320
Outlet Diameter	ø200 ø250
All dimensions are in mm	



The Magnum channel is equipped with special joints for the insertions of steel anchorage bars.

Tongue and groove joint makes installation easy



Light weight HDPE channel

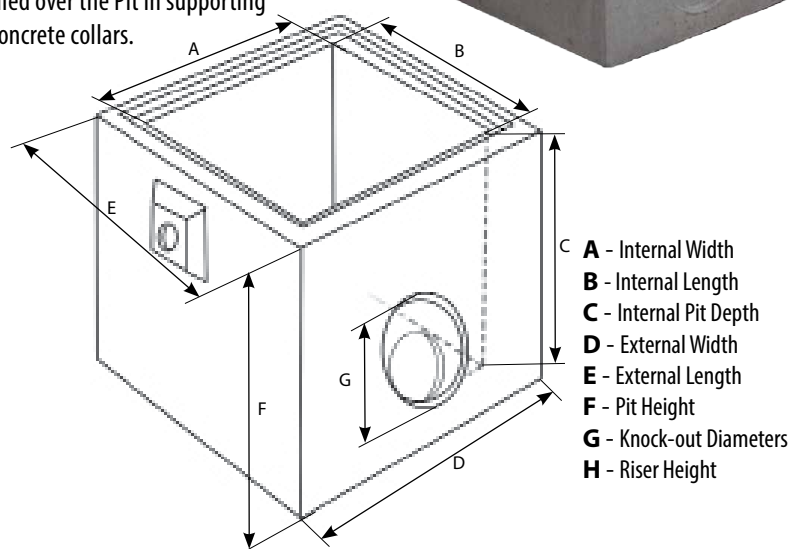
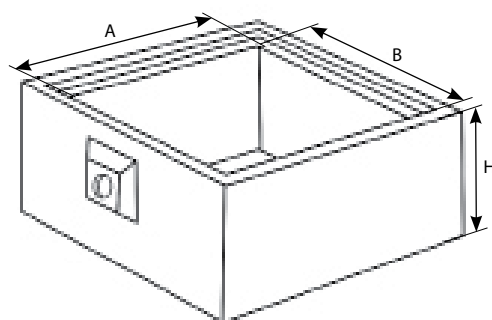
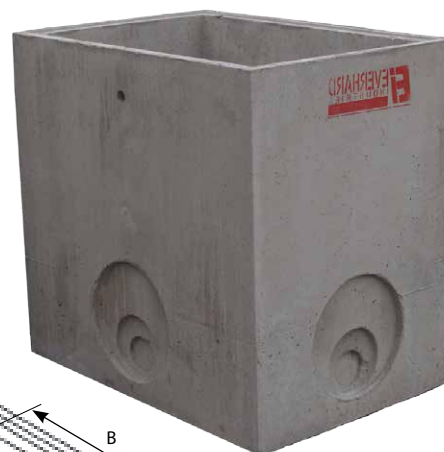
Product Code	Product Description	Weight (kg)
81390	Magnum City 300 HDPE Channel & Ductile Iron Grate (Class D) x 500mm with outlet	23.0
81444	Magnum City 300 HDPE End Cap	0.1

CONCRETE GULLY PITS

Some situations do require the use of conventional pre-cast reinforced Concrete Pits, and the EVERHARD products still remain popular with designers and installation contractors because of their proven strength, reliable dimensional accuracy and the flexibility allowed by the multi-size connection knock-out ports provided in each wall.

These connection ports have thinned panels permitting an opening to suit most common pipe sizes to be selected. They need only to be punched out with simple hand tools to allow the pipe to be fitted and the joint made good with a concrete support collar poured around the outside of the Pit. The joint may also be sealed with a bead of suitable silicone based sealant materials around the pipe inside the Pit.

A number of Pit sizes are available for a variety of purposes. Risers are also available which permit greater flexibility to meet drain pipe depth requirements. A range of galvanised fabricated Steel Grates and Covers are also available to suit most domestic and light industrial or commercial site applications. Where Pits may be exposed to heavier traffic, cast-iron framed Class D Covers or Grates may be installed over the Pit in supporting in-situ concrete collars.

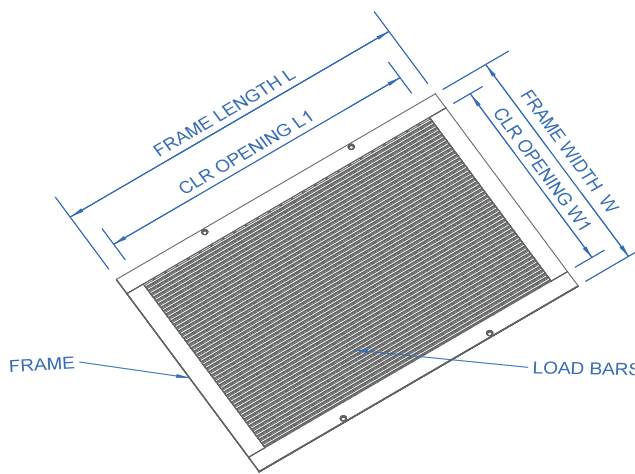
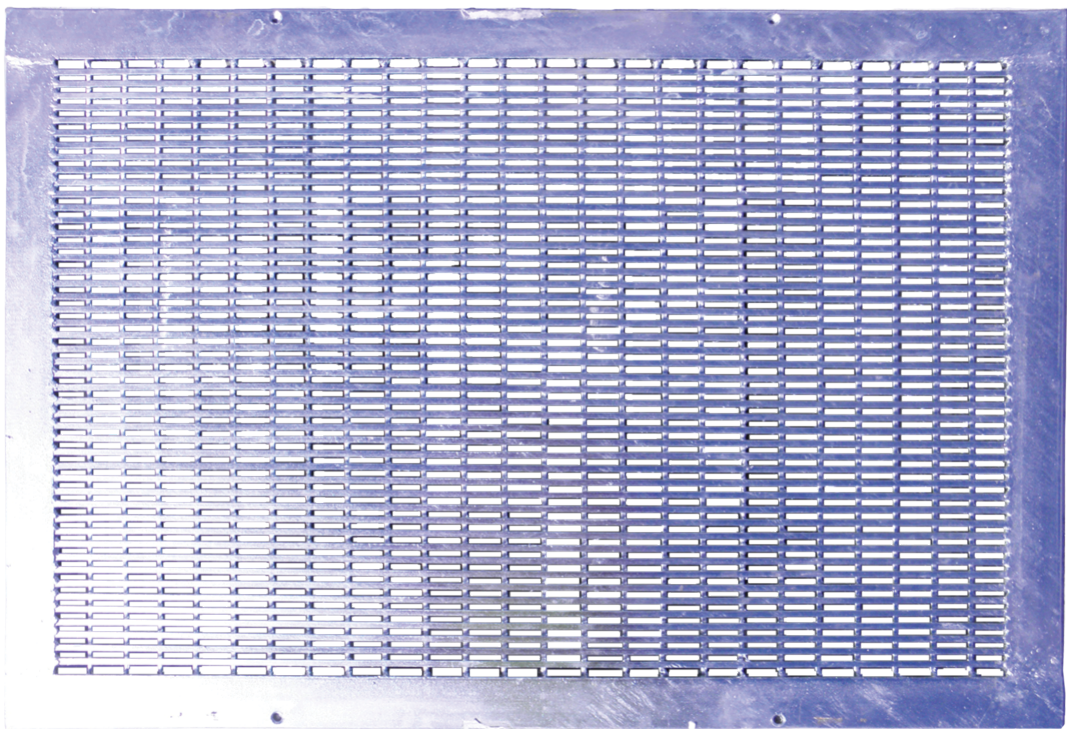


Product Code	Description	Weight Kg	Dimensions (mm)							
			A	B	C	D	E	F	G	H
450SQ										
21122	Concrete Pit only 450 deep	140	450	450	450	550	550	510	225/170/100	-
21149	150 riser suit 450 Pit	40	450	450	-	550	550	-	-	150
21150	300 riser suit 450 Pit	80	450	450	-	-	-	-	-	300
600SQ										
21119	Concrete Pit only 600 deep	270	600	600	610	700	700	660	325/170/100	-
21139	150 riser suit 600 Pit	47	600	600	-	700	700	-	-	150
21140	300 riser suit 600 Pit	90	600	600	-	700	700	-	-	300
21145	600 riser suit 600 Pit	180	600	600	-	-	-	-	-	450
900 x 600										
21127	Concrete Pit only 600 deep	385	900	600	600	1000	700	650	325/170/100	-
21126	Concrete Pit only 900 deep	500	900	600	900	1000	700	950	325/170/100	-
21173	150 riser suit 900 x 600 Pit	85	-	-	-	-	-	-	-	-
21129	300 riser suit 900 x 600 Pit	115	900	600	-	1000	700	-	-	300
21134	600 riser suit 900 x 600 Pit	240	900	600	-	-	-	-	-	600
900SQ										
21123	Concrete Pit only 900 deep	820	900	900	900	1045	1045	950	610/315/255/160/110/90	-
21174	150 riser suit 900 x 900 Pit	190	900	900	-	-	-	-	-	150
21151	300 riser suit 900 x 900 Pit	245	900	900	-	-	-	-	-	450
21153	600 riser suit 900 x 900 Pit	495	900	900	-	-	-	-	-	600

DROP IN GRATE FOR CONCRETE PIT

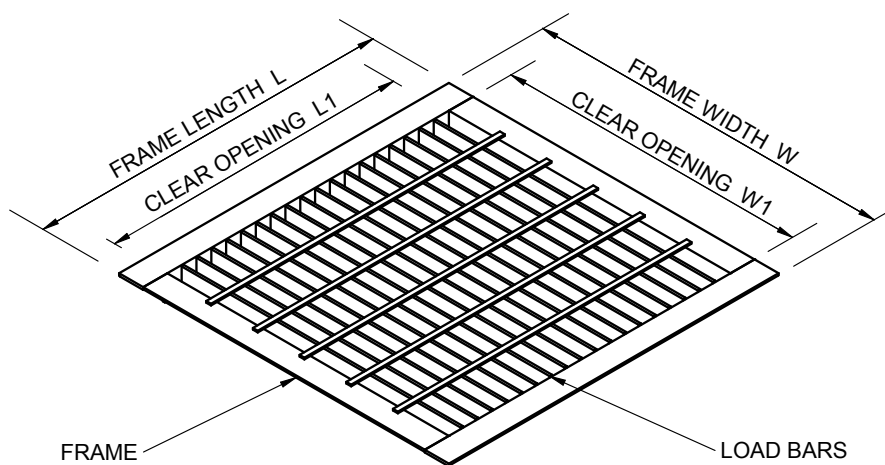
Heel Proof

Heel Friendly,
Bicycle Safe and
Wheelchair Safe



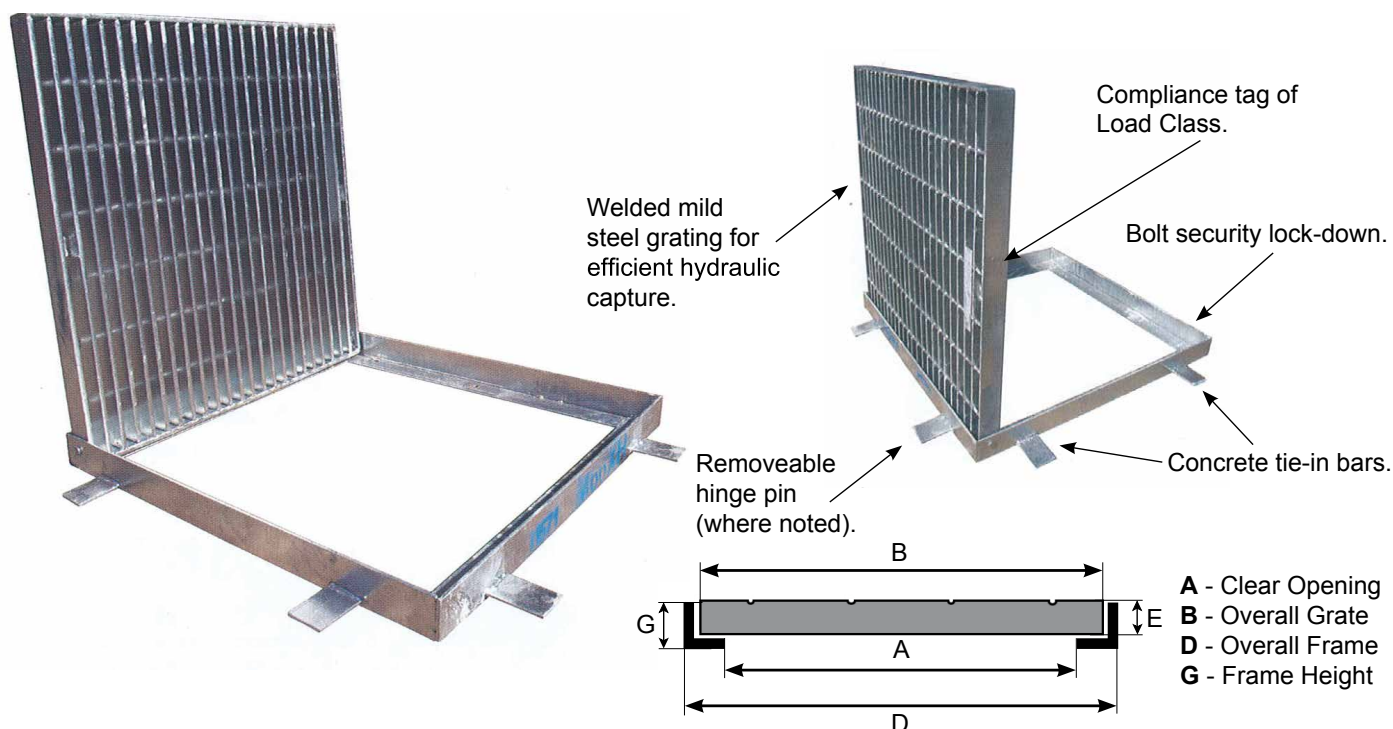
Product Code	Description	Load Class	Clear Opening (mm)	Frame Size (mm)	Load Bar (mm)	Grate Depth (mm)	Open Area (sqmm)	Mass (kg)
21096	GMS Heel Friendly grate suit 450 x 450 pit	B	435 x 435	535 x 535	40 x 6	50	93,267	22
21098	GMS Heel Friendly grate suit 600 x 600 pit	B	585 x 585	685 x 685	40 x 6	50	174,295	39
21089	GMS Heel Friendly grate suit 900 x 600 pit	B	880 x 580	980 x 680	40 x 5	50	251,080	72

DROP IN GRATE FOR CONCRETE PIT



Product Code	Description	Load/Class	Clear Opening L1 x W1 (mm)	Frame Size (mm)	Load Bar (mm)	Angle Size (mm)	Mass (kg)
21322	GMS drop-in grate suit 450 x 450 concrete pit	A	435 x 435	535 x 535	30 x 5	50 x 50 x 5	13
21325	GMS drop-in grate suit 450 x 450 concrete pit	B	435 x 435	535 x 535	50 x 5	50 x 50 x 5	18
21319	GMS drop-in grate suit 600 x 600 concrete pit	A	585 x 585	685 x 685	30 x 5	50 x 50 x 5	24
21320	GMS drop-in grate suit 600 x 600 concrete pit	B	585 x 585	685 x 685	50 x 5	50 x 50 x 5	34
21303	GMS drop-in grate suit 900 x 600 concrete pit	A	880 x 580	980 x 680	30 x 5	50 x 50 x 5	33
21304	GMS drop-in grate suit 900 x 600 concrete pit	B	880 x 580	980 x 680	50 x 5	50 x 50 x 5	44
21327	GMS drop-in grate suit 900 x 900 concrete pit	A	890 x 890	990 x 990	40 x 5	50 x 50 x 5	58
21328	GMS drop-in grate suit 900 x 900 concrete pit	HVY	890 x 890	990 x 990	50 x 5	50 x 50 x 5	70

FIELD GULLY GRATES & FRAMES



Standard Galvanised Steel Sump Grates and matching Frames from EVERHARD now feature built-in hinges and "bolt-down" security to prevent accidental movement or deliberate removal without tools. Certified by the supplier to meet load bearing and "bicycle-safe" requirements of AS 3996-2006, Grates and matching Frames are hot-dip galvanised for durability. These products

are intended for use in in-situ poured concrete, such as the paving around pits in public traffic areas, with the upper surfaces of the Grate and Frame edge level with the concrete to permit free draining.

AS 3996-2006 Class A is suitable for areas exposed only to pedestrian traffic - not including livestock..

AS 3996-2006 Class B types are suitable for pedestrian areas open to traffic from service vehicles. Class B is often selected for applications such as car-parks where commercial and heavy goods vehicles are not permitted.

AS 3996-2006 Class D types are suitable for normal roadway traffic areas exposed to commercial and heavy goods vehicles.

All grates are hinged and bolted to frame.

Product Code	Description	Class/Duty	Clear Opening A	Grate Size B	Load Bar E	Frame Size D	Angle Size G	Mass (kg)
15084	300 SQ Class A GMS grate/frame	A/L	300 x 300	335 x 335	20 x 5	350 x 350	25 x 25 x 5	9
15082	450 SQ Class A GMS grate/frame	A/L	450 x 450	485 x 485	25 x 5	510 x 510	30 x 30 x 5	14
15028	600 SQ Class A GMS grate/frame	A/L	610 x 610	645 x 645	25 x 5	670 x 670	30 x 30 x 5	21
15029	900 x 600 Class A GMS grate/frame	A/L	910 x 610	945 x 645	25 x 5	970 x 670	30 x 30 x 5	30
15085	900 SQ Class A GMS grate/frame	A/L	910 x 910	945 x 945	32 x 5	990 x 990	40 x 40 x 5	55
15081	300 SQ Class B GMS grate/frame	B/H	300 x 300	365 x 365	25 x 5	360 x 360	30 x 30 x 5	9
15083	450 SQ Class B GMS grate/frame	B/H	450 x 450	515 x 515	32 x 5	530 x 530	40 x 40 x 5	20
15034	600 SQ Class B GMS grate/frame	B/H	610 x 610	705 x 705	50 x 5	720 x 720	55 x 55 x 5	50
14996	900 x 600 Class B GMS grate/frame	B/H	910 x 610	1005 x 705	50 x 5	1020 x 720	55 x 55 x 5	65
15086	900 SQ Class B GMS grate/frame	B/H	910 x 910	1005 x 1005	50 x 5	1020 x 1020	55 x 55 x 5	89
15060	450 SQ Class D GMS grate/frame	D/XH	450 x 450	500 x 500	31 x 10	530 x 530	40 x 40 x 5	40
15061	600 SQ Class D GMS grate/frame	D/XH	610 x 610	700 x 700	50 x 10	720 x 720	55 x 55 x 5	96
15039	900 x 600 Class D GMS grate/frame	D/XH	910 x 610	1000 x 700	50 x 10	1020 x 720	55 x 55 x 5	130
15036	900 SQ Class D GMS grate/frame	D/XH	910 x 910	1000 x 1000	50 x 10	1020 x 1020	55 x 55 x 5	178

GMS GRATES & FRAMES



Product Code	Description	Class/Duty	Clear Opeing	Grate Size	Load Bar	Frame Size	Angle Size	Mass (kg)
15170	300 SQ Heel Proof GMS Grate and Frame	A	300 x 300	335 x 335	20 x 5	350 x 350	25 x 25 x 5	9
15172	450 SQ Heel Proof GMS Grate and Frame	A	450 x 450	485 x 485	25 x 5	510 x 510	30 x 30 x 5	14
15174	600 SQ Heel Proof GMS Grate and Frame	A	610 x 610	645 x 645	25 x 5	670 x 670	30 x 30 x 5	21
15176	900 x 600 Heel Proof GMS Grate and Frame	A	910 x 610	945 x 645	25 x 5	970 x 670	30 x 30 x 5	30
15178	900 SQ Heel Proof GMS Grate and Frame	A	910 x 910	945 x 45	32 x 5	990 x 990	40 x 40 x 5	55
15171	300 SQ Heel Proof GMS Grate and Frame	D	300 x 300	335 x 335	30 x 10	380 x 310	40 x 40 x 5	17
15173	450 SQ Heel Proof GMS Grate and Frame	D	450 x 450	500 x 500	31 x 10	530 x 530	40 x 40 x 5	40
15175	600 SQ Heel Proof GMS Grate and Frame	D	610 x 610	700 x 700	50 x 10	720 x 720	55 x 55 x 5	96
15177	900 x 600 Heel Proof GMS Grate and Frame	D	910 x 610	1000 x 700	50 x 10	1020 x 720	55 x 55 x 5	190
15179	900 SQ Heel Proof GMS Grate and Frame	D	910 x 910	1000 x 1000	50 x 10	1020 x 1020	55 x 55 x 5	188

INLET GRATES & FRAMES



Product Code	Description	Weight Kg	Dimensions (mm)				
			Clear Opening	Overall Grate Size	Overall Frame Size	Grate Depth	Frame Depth
AUTHORITIES FIELD INLET GRATES & FRAMES							
21552	IPWEAQ field gully grate/frame Type 2-600 sq (Dwg SEQ-0050)	67	600 x 600	674 x 674	705 x 705	50	62
21551	IPWEAQ field gully grate/frame Type 2-900 x 600 (Dwg SEQ-0050)	92	900 x 600	974 x 674	1015 x 705	50	62
21550	IPWEAQ field gully grate/frame Type 1-1200 x 1200 (Dwg SEQ-0050)	216	900 x 900	1200 x 1200	1230 x 1230	75	87
15035	Dome gully grate 600 x 600 on legs	75	600 x 600	800 x 800	900 x 900	400	165
15031	Dome gully grate 900 x 600 on legs	100	900 x 600	1100 x 800	1200 x 900		165
15051	Dome gully grate 900 x 900 on legs	125	900 x 900	1100 x 1100	1200 x 1200	550	165
15032	MRD gully grate/frame Type 1 Single 900 x 600 (MRD1309)	259	900 x 600	1040 x 740	1050 x 750	100	110
15033	MRD gully grate/frame Type 2 Single 900 x 600 - on legs (MRD1310)	290					
ASSORTED ROAD GULLY GRATES & FRAMES All road gully grates are bicycle safe							
14875	GMS road gully grate/frame (Aust Std)	81	900 x 600	975 x 585	1180 x 620	75	90
21393	GMS road gully grate/frame BCC Type A	110	900 x 600	918 x 642	1250 x 676	75	90
21513	GMS road gully grate/frame NSW 900 x 400 C/O (Tweed shire etc)	65	900 x 405	990 x 400	1225 x 462	65	70
14861	Drainway CI Hydraflow grate & frame (600 sq)	115	600 x 600	660 x 640	800 x 700	85	100
14862	Drainway CI Hydraflow cover & frame (600 sq)	115	600 x 600	660 x 640	800 x 700	85	100

V-GRATES, GMS, TRENCH GRATES & FRAMES

V-Grate & Frame

- Load class D
- Ideal for dished crossings or vee drains
- Hinged for ease of access
- Bolt locked security
- Bicycle safe



Heelproof Trench Grate & Frame

- Pedestrian safe design with less than 8mm apertures
- Anti skid coating
- Bolts down for security



GMS Trench Grate & Frame

- Load class rated as noted
- All have transverse load bars
- 1 m grate sections and 2m frames
- Bolted down grate



Product Code	Description	Weight Kg	Clear Opening	Grate Size	Load Bar	Frame Size	Angle
V-GRATES							
15140	600 SQ Class D GMS V-grate & frame	74	600 x 600	680 x 573	65 x 10	720 x 620	16°
15141	900 x 600 Class D GMS V-grate & frame	105	925 x 600	1005 x 573	65 x 10	1035 x 620	16°
15142	900 x 780 Class D GMS V-grate & frame (Type 2 kerb only)	122	900 x 780	975 x 730	130 x 10	1140 x 800	11°
GMS TRENCH GRATE & FRAME			Clear Opening	Grate Size	Load Bar	Frame Size	Angle Size
15110	150mm C/O Class B trench grate & frame per metre	17	150	995 x 215	32 x 5	1000 x 230	40 x 40 x 5
15094	150mm C/O Class D trench grate & frame per metre	35	150	995 x 215	32 x 10	1000 x 225	40 x 40 x 5
15120	250mm C/O Class B trench grate & frame per metre	21	250	995 x 315	32 x 5	1000 x 330	40 x 40 x 5
15087	250mm C/O Class D trench grate & frame per metre	45	250	995 x 315	32 x 10	1000 x 330	40 x 40 x 5
15130	300mm C/O Class B trench grate & frame per metre	34	300	995 x 375	40 x 5	1000 x 390	45 x 45 x 5
15066	300mm C/O Class D trench grate & frame per metre	70	300	995 x 375	40 x 10	1000 x 390	45 x 45 x 5
HEELPROOF TRENCH GRATE & FRAME							
15111	150mm C/O Class A trench grate & frame per metre	16	150	995 x 185	20 x 5	1000 x 200	25 x 25 x 5
15112	150mm C/O Class D trench grate & frame per metre	32	150	995 x 205	32 x 10	1000 x 225	40 x 40 x 5
15121	250mm C/O Class A trench grate & frame per metre	21	250	995 x 270	25 x 5	1000 x 285	30 x 30 x 5
15122	250mm C/O Class D trench grate & frame per metre	41	250	995 x 280	32 x 10	1000 x 330	40 x 40 x 5
15131	300mm C/O Class A trench grate & frame per metre	24	300	995 x 345	25 x 5	1000 x 360	30 x 30 x 5
15132	300mm C/O Class D trench grate & frame per metre	55	300	995 x 375	40 x 10	1000 x 390	45 x 45 x 5

ROAD GULLY UNITS

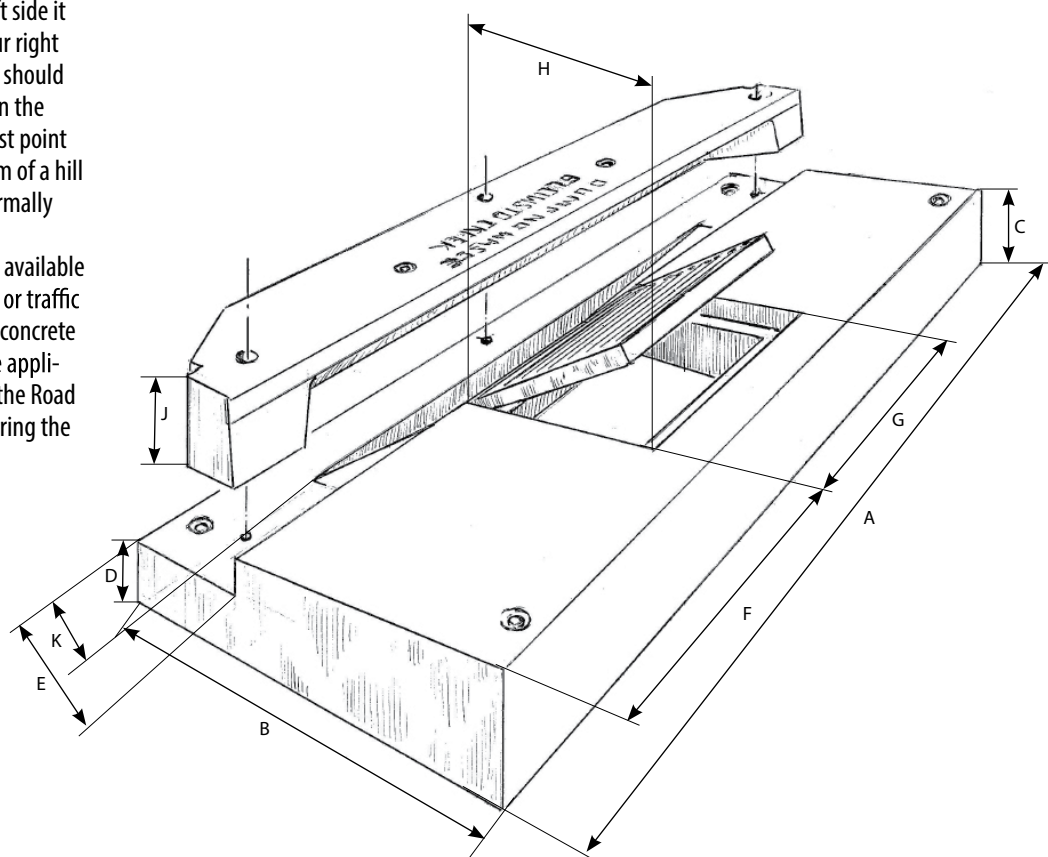
Everhard's Road Gully units are ideal for situations where weight must be kept down, simplifying excavations and reducing depths. Frequently used in new installations as well as in maintenance and replacement situations.

The steel reinforcing of the apron is perfectly adequate for major road use, as it simply acts to transmit any wheel loads through to the compacted sub-base layers.

This illustration shows the new Low-Profile Lintel, which is well suited to the mountable kerbs in many new development areas, as well as matching many older Catch-Pit styles. The Low-Profile Lintel can be used instead of the standard height Lintel, where the relevant authority permits.

To determine if the inlet drain is a "Left" or "Right" type, imagine yourself standing on the footpath above the drain apron looking towards the road. If the inlet pit is under your left side it is a "Left Hand" installation. If under your right side it is a "Right Hand". Drain inlet grates should be at the end of the apron furthest down the gradient. Where the drain is at the lowest point in a roadway - for example at the bottom of a hill - a "Centre" grate inlet or SAG type is normally selected.

A range of galvanised steel grates are available to meet the requirements of many local or traffic authorities. These must be cast into the concrete apron at the factory. Please confirm the applicable regulations for the project where the Road Gully unit is to be installed BEFORE ordering the product.



Product Code	Description	Weight Kg	Dimensions (mm)									
			A	B	C	D	E	F	G	H	J	K
21666	1.2 Road Gully unit c/w Lintel SAG only	615	1200	1215	283	201	447	150	900	608	199	254
21661	2.4 Road Gully unit c/w Lintel – L/H	1856	2400	1215	283	201	447	1200	900	608	199	254
21660	2.4 Road Gully unit c/w Lintel – R/H	1856	2400	1215	283	201	447	750	900	608	199	254
21662	2.4 Road Gully unit c/w Lintel – SAG	1856	2400	1215	283	201	447	300	900	608	199	254
21664	3.6 Road Gully unit c/w Lintel – L/H	2515	3600	1215	283	201	447	2400	900	608	199	254
21663	3.6 Road Gully unit c/w Lintel – R/H	2515	3600	1215	283	201	447	1350	900	608	199	254
21665	3.6 Road Gully unit c/w Lintel – SAG	2515	3600	1215	283	201	114	300	900	608	199	254

CONCRETE GREASE ARRESTORS

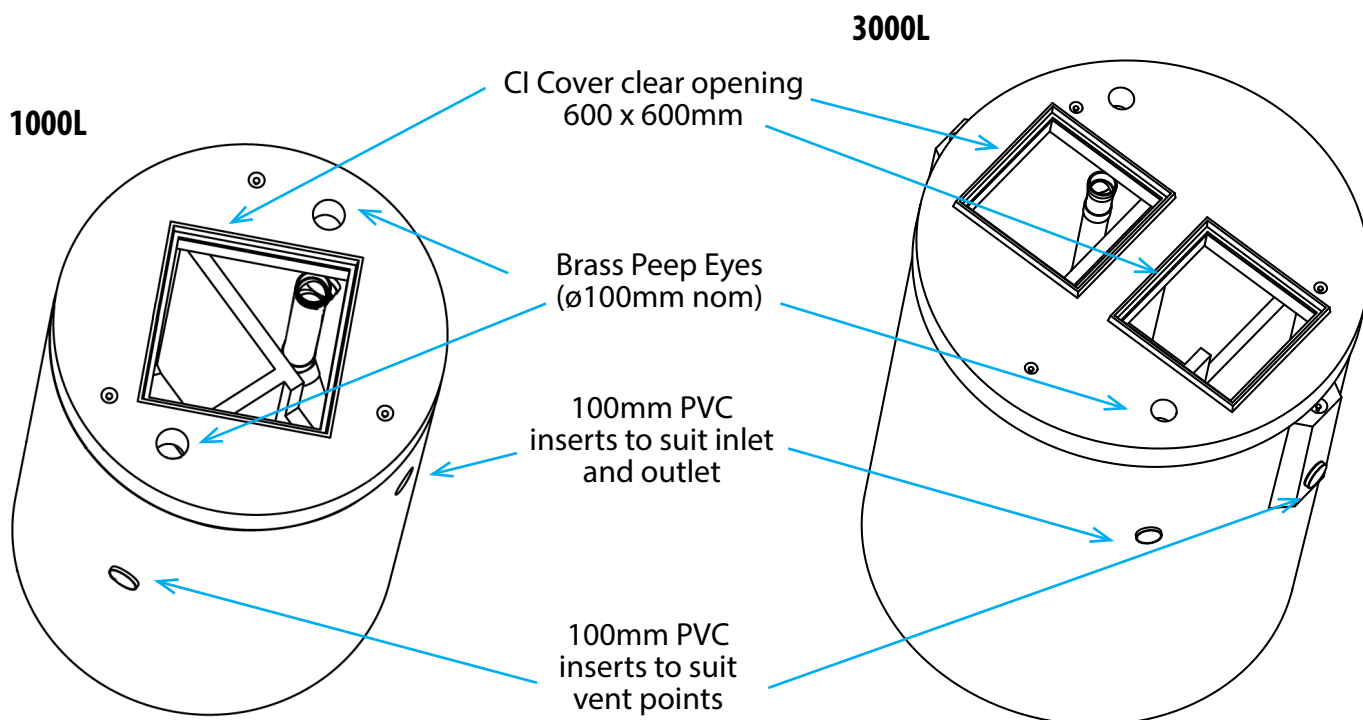
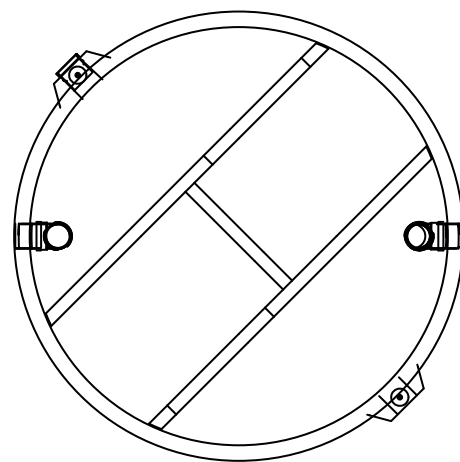
Everhard's Round Pre-cast Concrete Grease Arrestor is a passive, multi-stage chamber design using the relative buoyancy of wastes in the trade-waste stream to naturally separate heavy solids and light oil and greasy matter.

The arrestor has a series of internal partitions with weirs and openings (the unique H-Pattern Baffle System) to dictate a flow path through the unit which enables the maximum separation of waste.

Features

- Four quadrant baffles provide improved effluent separation - outperformed comparable products in tests*.
- Compact design.
- Innovative registered design.
- Unique H-Pattern Baffle System.
- Four chambers give exceptional grease removal.
- Compact dimensions combined with comparatively light weight design allows easy installation.
- Approved by QUU and suitable for use in many areas (check with your local authority before ordering.)

*test results available upon request.



Installation

(For full installation instructions phone Everhard on 13 1926 or www.everhard.com.au)

Step 1

Excavate the hole to suit the dimensions of the unit to be installed. Generally allow at least 100mm to the sides and 50mm below the arrestor base. Place bedding sand in the base of the hole and compact well. Ensure compacted base is level and free of rocks or unsuitable material.

Step 2

Ensure a trained operator connects the required lifting apparatus to the tank. Carefully lower the tank into the hole and align the inlet and outlet pipes to their required position. The arrestor should be immediately filled with water and have clean backfill carefully placed around all sides. Cement stabilised sand is recommended.

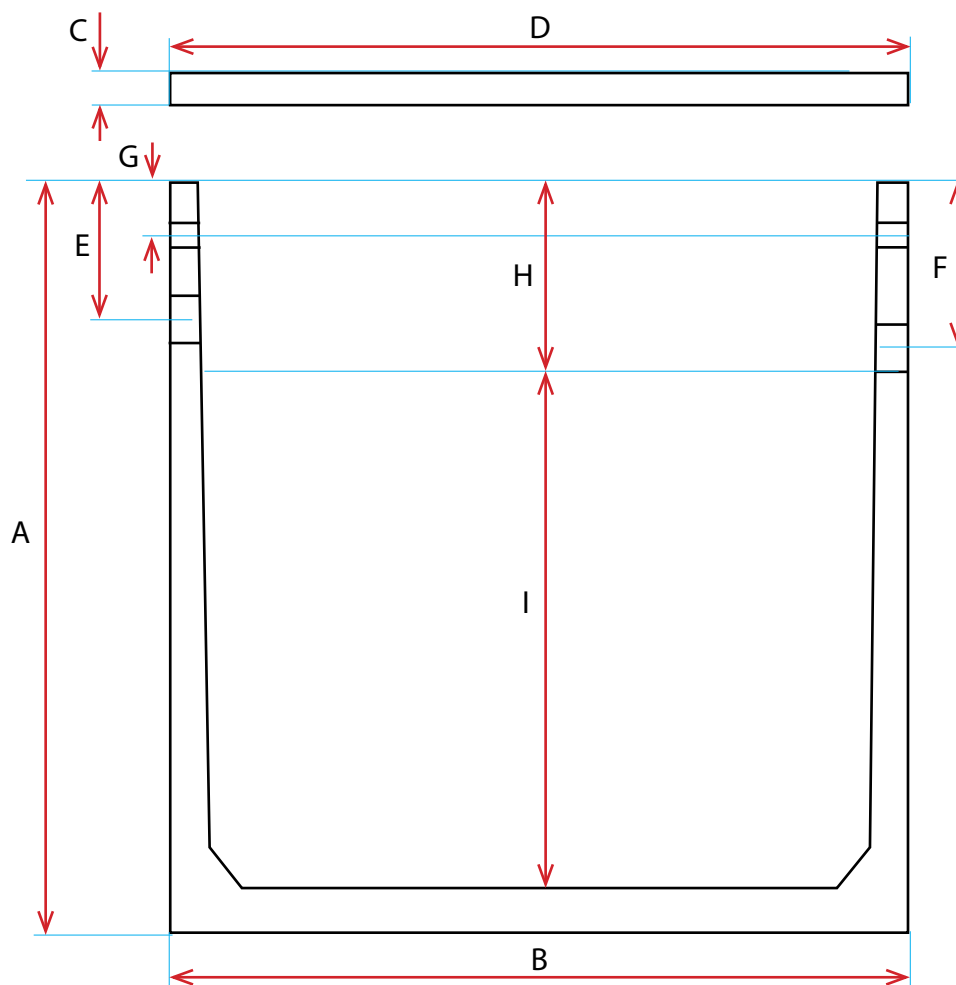
Step 3

Connect required pipework to the arrestor (inlet, outlet and vent lines). The arrestor lid must be at or above ground level and risers are available if required (to a maximum of 900mm). Check all connections and place lid to the desired position.

Note:

- 1) Risers, if required, should be affixed to the arrestor with Megapoxy or similar.
- 2) Check all dimensions carefully before installation.
- 3) If arrestor is in a trafficable area a Class D lid must be used.
- 4) Arrestors must be installed to local authority's requirements and national plumbing standards.

CONCRETE GREASE ARRESTORS



Product Code	Description	Class	Dimensions (mm)									Weight Kg
			A	B	C	D	E to centre	F to centre	G to centre	H	I	
			Tank Height	Tank Diameter	Lid Height	Lid Diameter	Inlet	Outlet	Vent x 2	Air Space	Liquid Depth	
17180	3000L circular grease trap c/w 2 x CI covers	B	2165	1875	150	1950	580	655	335	705	1395	4030
17181	3000L circular grease trap c/w 2 x CI covers	D	2165	1875	200	2100	580	655	335	705	1395	4150
11837	3000L circular grease trap riser - 300mm											373
11838	3000L circular grease trap riser - 450mm											516
17182	4000L circular grease trap c/w 2 x CI covers	B	2040	2380	150	2380	715	790	355	840	1110	5725
17183	4000L circular grease trap c/w 2 x CI covers	D	2040	2380	200	2720	715	790	355	840	1110	6950
11885	4000L circular grease trap riser - 300mm											318
11887	4000L circular grease trap riser - 600mm											635
17992	Megapoxy P1 Adhesive 4 litre											5
17999	Megapoxy P1 Adhesive 20 litre											21

All dimensions are shown in millimetres with variances of +5mm or -5mm. Diagram is indicative only and not to scale.

DOMESTIC GREASE TRAP

Households not served by sewers usually have Septic Tanks or AWTs for on-site treatment of domestic wastes. Provided the householder follows operating guidelines, and exercises a little care in choosing detergents and cleaning agents, these systems are usually satisfactory and operate quite efficiently, neutralising potentially harmful organisms in the wastes from the household.

However, household kitchen sink drainage may contain material which should not be allowed into the treatment system. Pre-treatment is required to separate this material so that it does not affect the system, causing problems which can be difficult and expensive to correct. One unaccepta-

ble contaminant is oily or greasy waste from food preparation or from dish-washing. Other problem wastes may include lint and hair from laundry and bathroom waste-water.

Passive types of Arrestor are traditionally the most cost-effective way of removing greasy matter from kitchen waste-water. This relies on a fairly low flow rate through the unit. As a general rule, there should be not less than 60 minutes of retention time.

Fluid passes slowly through the Trap so that the waste matter's natural buoyancy causes it to settle to the bottom, or float on the surface of the contained water. Accumulated scum and sludge

waste matter can be removed by authorised contractors to approved disposal facilities. Some authorities prohibited domestic Grease Traps in the past because of incorrect and inappropriate disposal methods. Check that your local authority will approve a correctly installed and operated unit before making your selection.

The popular injection moulded Polypropylene 45L model is equipped with a polymer basket to permit easy removal of trapped waste and is designed for connection to standard 100mm drains.

The polymer trap has a strong, durable, polypropylene cover with childresistant locking tabs. An optional Concrete cover is available, and this type is standard for the Concrete Traps. Risers are also available for all types. Note that all these units are intended for residential property and are not intended for installation in areas exposed to regular pedestrian traffic or to any form of vehicular traffic.



45L polymer grease trap

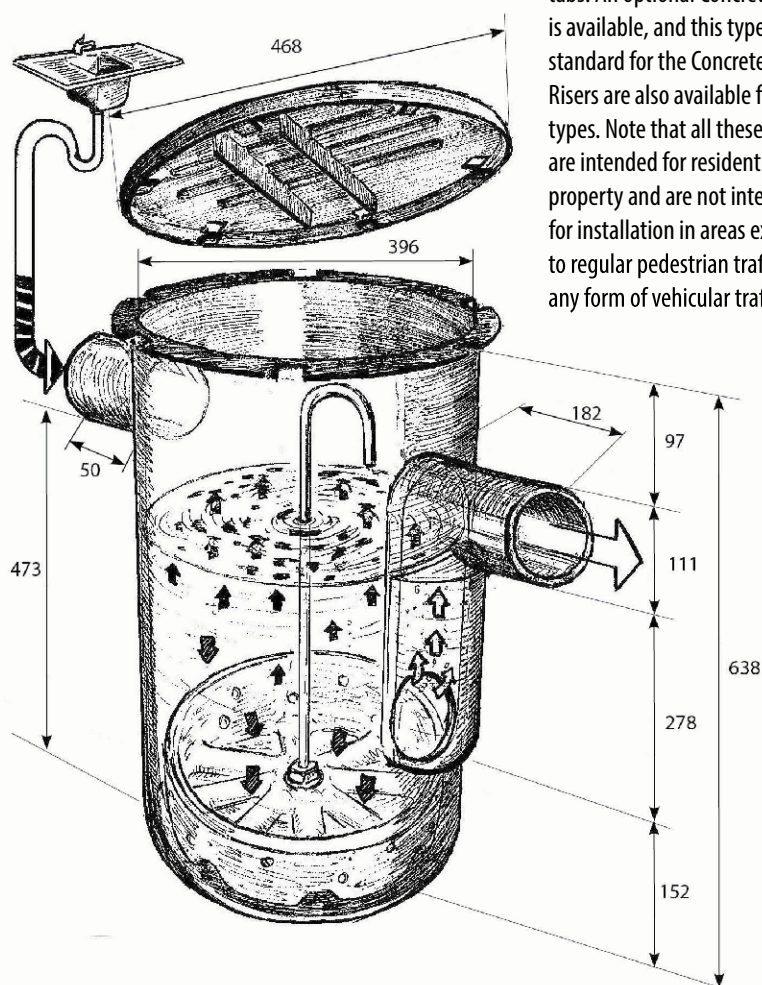


150mm high Riser

300mm high Riser



Concrete lid



Product Code	Description	Weight (Kg)
84010	45L Polymer Grease Arrestor complete	5
84125	45L polymer grease trap c/w concrete lid & GMS handle	25
24300	45L polymer grease trap - concrete lid only	20
84110	45L polymer grease trap case & strainer only	4
84620	45L polymer grease trap riser pack 150mm high	1
84621	45L polymer grease trap riser pack 300mm high	2
84900	45L strainer only	0
24910	45L strainer comp with GMS handle	1
24911	GMS handle for grease trap strainer	0

DOMESTIC GREASE TRAP

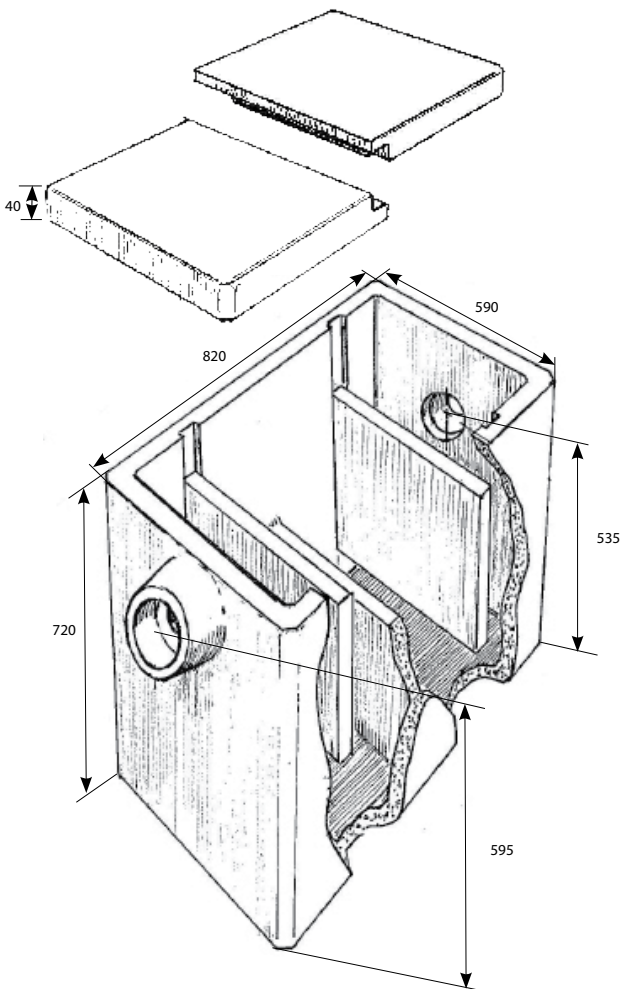
Water drained from industrial and commercial premises often contains material which is either too dirty or potentially hazardous to allow into the sewer, and Pre-treatment is required to separate this material so that it does not overload the local authority water treatment plant. A particularly common kind of unacceptable contaminant is oily or greasy waste generated in business premises where food is prepared.

Passive types of Arrestor are traditionally the most cost-effective way of removing grease and silt from trade waste.

This process relies on a fairly low flow rate through the unit. As a general rule, there should be an average 60 minutes of retention time so that the operating capacity is also the hourly flow rate.

Fluids pass through a number of chambers where the waste matter's natural buoyancy causes it to settle to the bottom, or float on the surface of the contained water in the Arrestor. The accumulated scum and sludge waste matter can then be removed by authorised contractors for removal to approved disposal facilities.

The EVERHARD 140 litre trade-waste Arrestors are designed for connection to standard 100mm drains and has three removable concrete baffles for easy cleaning, and to permit simple replacement in case chemicals in the waste-water cause deterioration. Two-piece concrete covers are standard and Risers are also available. Note that these units are not intended for installation in areas exposed to any form of vehicular traffic.



Product Code	Description	Weight (Kg)
24032	140L concrete grease trap w/outlet junction c/w lids (Sunshine Coast)	265
24030	140L concrete grease trap c/w lids	265
24831	140L grease trap riser 150mm high	47
24830	140L grease trap riser 300mm high	98
24230	140L grease trap case & baffles	216
24530	140L grease trap case only	185
24330	140L grease trap lid only	25
24630	140L grease trap baffle Small	8
24631	140L grease trap baffle Medium	10
24632	140L grease trap baffle Large	13
24635	140L grease trap baffle set (S, M & L)	31

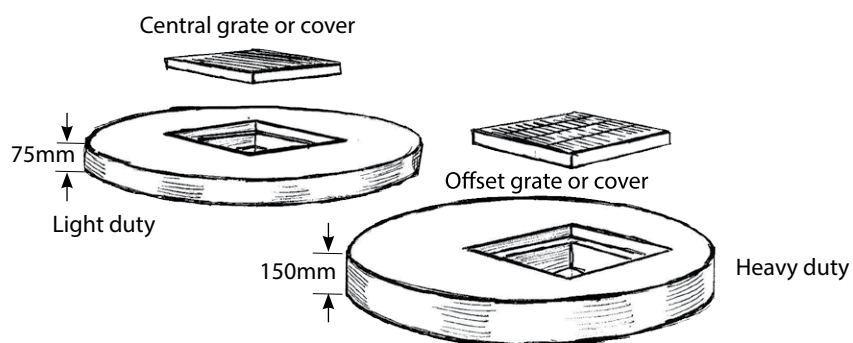
STORMWATER INSPECTION CHAMBERS

EVERHARD fibre reinforced pre-cast concrete Inspection Chamber Shafts are available in three internal diameter sizes and in a number of lengths with plain flat ends requiring joints to be sealed using epoxy or mortar based compounds. These products have been used for many years in stormwater and other applications where permitted by local authorities.

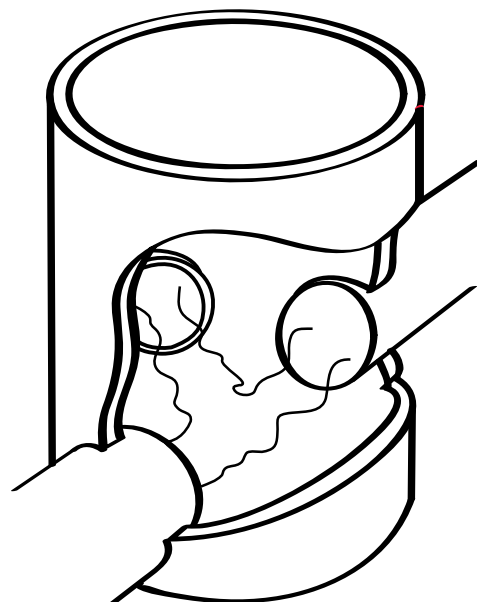
A variety of matching Chamber Top Slabs with a wide range of Access and Inlet Covers and Grates is available to meet the needs of most applications.

Inspection Chamber Shafts are fitted with "Swift-Lift" type lifting anchors to facilitate handling and installation. It is normal practice to

partially backfill and compact up to the joint and then to pour concrete into the excavation space around the joint to provide external support. Normal backfilling is then continued up to the Chamber Top Slab.



Product Code	Description	Weight (Kg)	
13000	Inspection Chamber ø915 x 300 high	145	915 Diameter
13020	Inspection Chamber ø915 x 600 high	290	
13030	Inspection Chamber ø915 x 900 high	340	
13040	Inspection Chamber ø915 x 1200 high	435	
13305	Inspection Chamber Lid ø915c/w LD 605 x 455 CI C & F	145	
13405	Inspection Chamber Lid ø915 c/w HD 695 x 535 CI C & F	236	
13470	Inspection Chamber Lid ø915 c/w LD 450 GMS Grate	185	
13472	Inspection Chamber Lid ø915 c/w HD 450 GMS Grate	252	
13100	Inspection Chamber ø1050 x 300 high	174	1050 Diameter
13120	Inspection Chamber ø1050 x 600 high	260	
13130	Inspection Chamber ø1050 x 900 high	406	
13140	Inspection Chamber ø1050 x 1200 high	524	
13315	Inspection Chamber Lid ø1050 c/w LD 605 x 455 CI C & F	195	
13415	Inspection Chamber Lid ø1050 c/w HD 695 x 535 CI C & F	355	
13453	Inspection Chamber Lid ø1050 c/w LD 600 sq GMS Grate	185	
13454	Inspection Chamber Lid ø1050 c/w HD 600 sq GMS Grate	348	
13469	Inspection Chamber Lid ø1050 c/w LD 450 sq GMS Grate	203	1220 Diameter
13471	Inspection Chamber Lid ø1050 c/w HD 450 sq GMS Grate	388	
13200	Inspection Chamber ø1220 x 300 high	177	
13220	Inspection Chamber ø1220 x 600 high	366	
13230	Inspection Chamber ø1220 x 900 high	582	
13240	Inspection Chamber ø1220 x 1200 high	740	
13325	Inspection Chamber Lid ø1220 c/w LD 605 x 455 CI C & F	320	
13425	Inspection Chamber Lid ø1220 c/w HD 695 x 535 CI C & F	520	
13460	Inspection Chamber Lid ø1220 c/w LD 600 sq GMS Grate	282	
13461	Inspection Chamber Lid ø1220 c/w HD 600 sq GMS Grate	529	
13464	Inspection Chamber Lid ø1220 c/w LD 450 sq GMS Grate	295	
13465	Inspection Chamber Lid ø1220 c/w HD 450 sq GMS Grate	550	



REBATED INSPECTION CHAMBERS



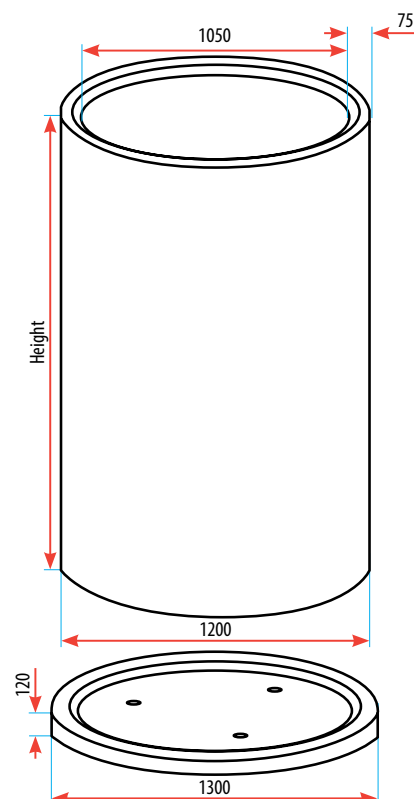
- Rebated top and bottom rims to ensure positive locking
- 1050mm internal diameter, 1200mm external diameter
- Available in 300, 600, 900 and 1200mm heights for various applications
- Can be installed to a depth of 3 metres
- All components feature swift lifts for ease of installation
- Manufactured to Australian Standard AS4198
- Wide variety of covers and a rebated base to complete the installation
- Australian made

The product range includes a base section as well as chambers with four different depths (300mm, 600mm, 900mm & 1200mm) to achieve varied installation heights. All components are made from 40 MPa precast concrete with inbuilt swift lift mechanisms for safe, fast and easy installation. Everhard Industries also has a wide variety of roofslabs, grates and covers to complete the chamber.

Installation

1. Excavate an appropriately sized hole and provide a level, compacted base in the location required.
2. Sketch location of necessary holes as required on inspection chambers. Using a concrete drill, drill around the circumference of the hole before knocking out the middle section. Holes should be the smallest diameter necessary to fit pipework.
3. Cut reinforcement if required for pipework.
4. Using the swift lifts, lower the chamber base into position.
5. Fit and secure inspection chambers into place. No concrete sealant is necessary, but it may be used.
6. Fit pipework to chamber, sealing all gaps around inlets and outlets with a suitable sealant if required.
7. When the desired height is achieved, place converter slab and/or covers and backfill carefully, ensuring shafts are not dislodged.

Product Code	Description	Internal Diameter	External Diameter	Height (mm)	Weight (kg)
13148	Base for Inspection Chambers	N/A	1300	120	345
13101	Inspection Chamber - 300	1050	1200	300	199
13121	Inspection Chamber - 600	1050	1200	600	398
13131	Inspection Chamber - 900	1050	1200	900	598
13141	Inspection Chamber - 1200	1050	1200	1200	797

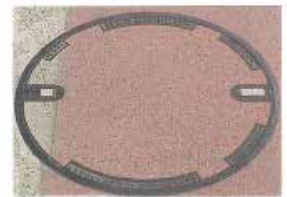


CAST IRON COVERS & FRAMES

Solid Cover



Solid Cover BCC



Infill (unfilled)



Product Code	Description		Dimensions (mm)					Weight (Kg)
			Clear Opening	Overall Cover Dia	Overall Frame Dia	Cover depth	Frame depth	
14766	Class B Solid ø600	Stormwater	605	636	686	38	50	42
14764	Class D Solid ø600	Stormwater	605	656	750	60	75	68
15046	Class B Infill (unfilled) ø600	Stormwater	605	636	686	38	50	42
15048	Class D Infill (unfilled) ø600	Stormwater	605	656	750	60	75	68
14852	Class B Conc Infill ø600 (unfilled) BCC	Stormwater	600	670	850	25	60	85
14854	Class B Solid ø600 BCC	Stormwater	600	670	850	25	60	92
14856	Class D Solid ø600 BCC	Stormwater	600	660	850	40	110	130
66191	Concrete upstand 150mm c/w Class B ø600 cover	Stormwater	605	636	686	38	150	215
66193	Concrete upstand 150mm c/w Class D ø600 cover	Stormwater	605	636	686	38	150	235
14759	Class B Solid ø600	Sewer	605	636	686	38	50	42
14761	Class D Solid ø600	Sewer	605	656	750	60	75	68
15045	Class B Infill (unfilled) ø600	Sewer	605	636	686	38	50	42
15047	Class D Infill (unfilled) ø600	Sewer	605	656	750	60	75	68
14852	Class B Conc Infill ø600 (unfilled) BCC	Sewer	600	670	850	25	60	85
14853	Class B Solid ø600 BCC	Sewer	600	670	850	25	60	92
14855	Class D Solid ø600 BCC	Sewer	600	660	850	40	110	130
66192	Concrete upstand 150mm c/w Class B ø600 cover	Sewer	605	636	686	38	150	215
66194	Concrete upstand 150mm c/w Class D ø600 cover	Sewer	605	636	686	38	150	235
Note: Square, Rectangular, Multi Part, S/steel or Brass strip covers available. Contact Everhard sales for pricing or details.								

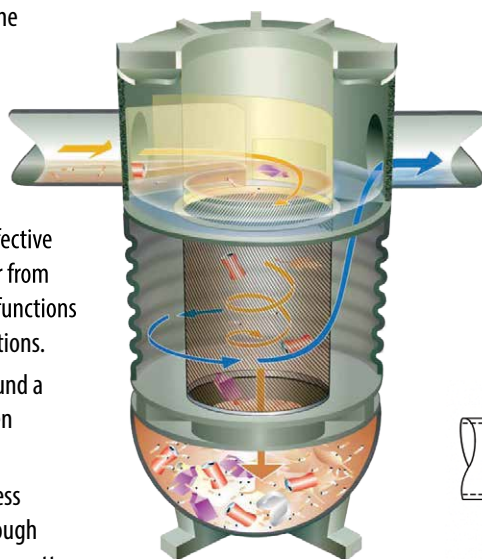
The Nipper is ideally suited for installation at the collection source in small catchment areas and is designed to remove gross pollutants, organic waste, silt, sediment and oils.

The polymer construction makes it light and easy to use.

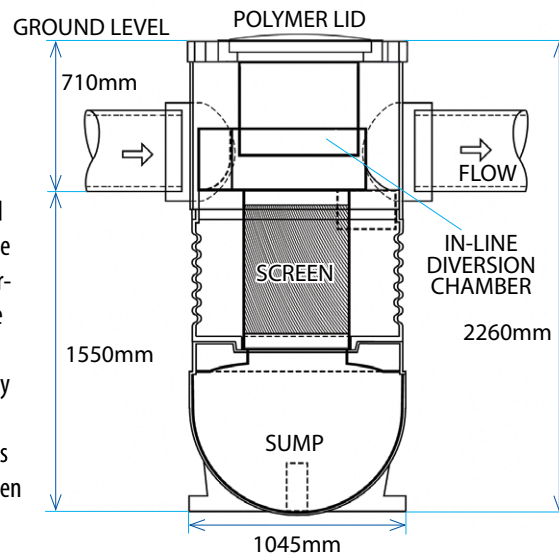
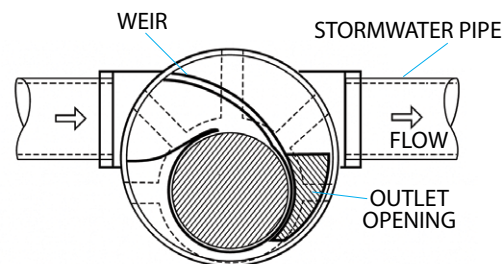
The CDS NIPPER is designed to provide cost-effective and efficient removal of gross pollutant matter from stormwater flow, and may be used for similar functions in trade-waste and other waste-water applications.

- The incoming water is directed into and around a circular weir in the upper module, and is then directed down inside the Vortex Chamber.
- The Vortex Chamber has a perforated Stainless Steel Screen which allows water to pass through into an outer chamber, while retaining waste matter.
- The "clear" water is directed up through an opening into the upper module where it passes through the Outlet and continues downstream.
- Trapped wastes collect in the hemispherical bottom chamber.
- Opening the top cover allows direct access down into the bottom chamber so that the standard suction leg of a maintenance/pump-out cleaning vehicle can be lowered into the unit and collected waste simply and easily removed. As the

flow of the incoming water is directed around and across the inner face of the Stainless Steel Screen, the screen apertures are kept open by the force of the water stream, and will not block with strained matter. There is therefore very little need for the tedious extra work involved in cleaning screens and filters with pressure water equipment so often found in alternative systems.



Note: a concrete Trafficable Kit which includes a Class D cast iron cover is also available (Product code: 13185)



82260 Gross Pollutant Trap - Nipper



87830 Riser and collar 630mm x 1000mm



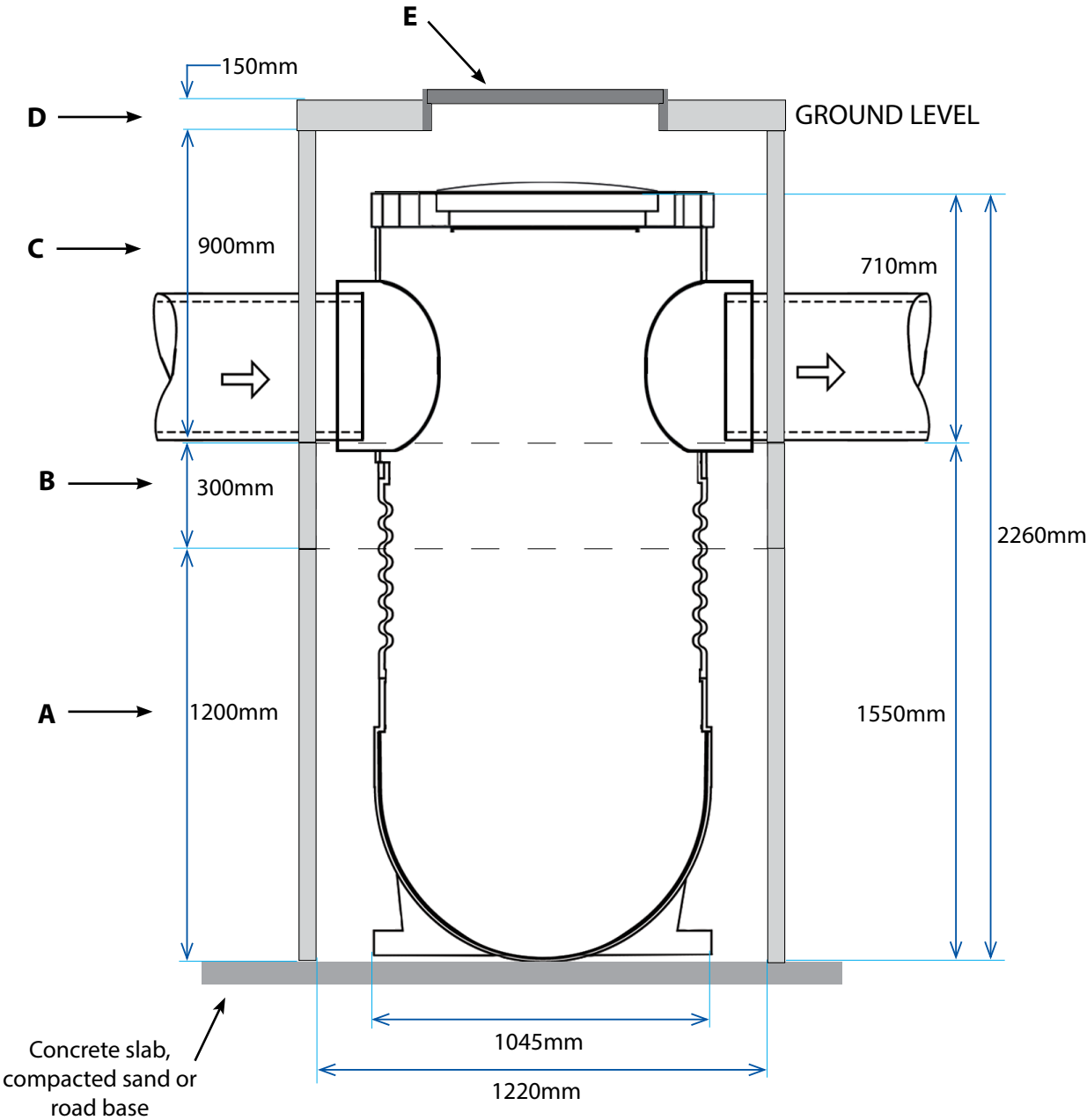
87831 Riser and collar 630mm x 2000mm

Product Code	Description	Weight Kg
82260	CDS PL0506 GPT (non trafficable)	200
13185	Trafficable kit suit PL0506 (inc Class D cast iron cover)	2150
87830	1.0mt polymer riser to suit PL0506	14
87831	2.0mt polymer riser to suit PL0506	28

NIPPER

Components of the Trafficable kit are:

- A** - Inspection Chamber $\varnothing 1220 \times 1200$ high
- B** - Inspection Chamber $\varnothing 1220 \times 300$ high
- C** - Inspection Chamber $\varnothing 1220 \times 900$ high
- D** - Chamber roof slab
- E** - Class D Iron Cover



Product Code	Description	Weight (Kg)
13185	Trafficable kit suit PL0506 (inc Class D cast iron cover)	2150

Nipper Fast Facts

Q. How do I clean it out and how often?

A. The Nipper is designed to be cleaned out by suction truck capable of handling 1500L, where all the water and waste water is sucked up and collected at once. This is usually required somewhere between 3 months and 1 year, with an average time frame that can be expected to be around every 6 months. It depends very much upon the rainfall for the season and the expected pollutant loading.

Q. When do I clean the Nipper?

A. The sediments and pollutants will fill up the "sump" part of the unit to just below the bottom of the screen. A marked or measuring pole can be used to gauge the level of the pollutants by opening the lid and feeling the level of the pollutants below the water line with the pole.

Q. How does it work?

A. Firstly, it really does work! The CDS Unit harnesses the energy of the flowing water to make a rotating "vortex" type flow with a specially designed circular screen. The solid pollutants are separated out of the flow by the vortex force and deflective screen and settled into the storage sump below the screen. This leaves the screen free and clear for screening future storm flows.

Q. Why should I use a Nipper?

A. There are a number of reasons:

1. It really is the best and latest technology and design.
2. It is the easiest system to install (lightweight, one piece, accepts up to 375mm pipe.)
3. Available ex stock

Q. When can we use the Nipper?

A. When the pipe sizes are up to 375mm diameter at a grade of 1% or less.

Q. How much water can it treat?

A. The unit has a capacity (full pipe) flow of up to 152 litres per second. This is not to be confused with treatment flow which is often about one third of the full pipe flows.

Q. What is the Design Flow Range or Treatment Flow rate?

A. For 90% volumetric treatment efficiency (and 90% pollutant removal which is all that is required by most councils) the applicable design treatment flow range for the Nipper is up to 100L/s.

Q. What size catchments is the Nipper suitable for?

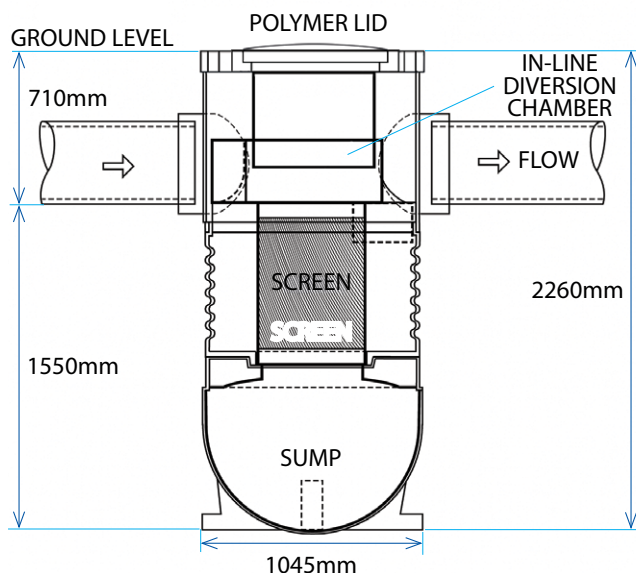
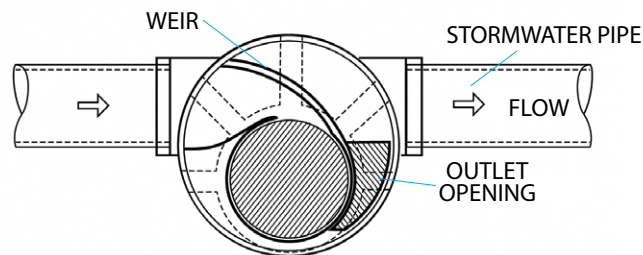
A. It is suitable for catchments up to 1 hectare provided that the Full Pipe Flow is less than 125L/s.

Q. Can it go in a driveway or car park?

A. Yes, but you need to purchase additional trafficable components such as a Nipper chamber including Class D trafficable lid which are all available from Everhard. Additionally, the Nipper is suitable for use above ground in basement car parks etc.

Q. What is the minimum depth to invert for a Nipper?

A. The standard Nipper has a minimum depth to invert of 710mm. A single standard rise will allow the unit to be installed in depths to invert up to 1700mm. With an extended riser it can go to 2700mm, although a PL0506 requires a concrete structural surround if placed deeper than 2.0m depth to invert.



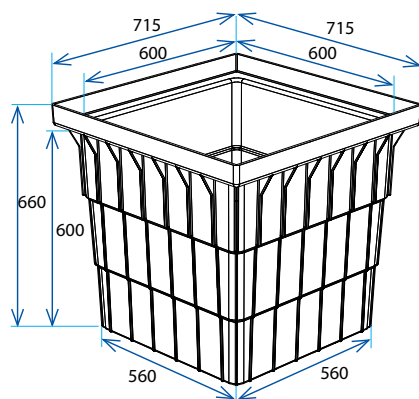
CDS® is a registered trademark of Rocla Pty Ltd
CDS® trademark used under exclusive license from Rocla Pty Ltd

V GUARD

V GUARD 600GP

GROSS POLLUTANT GUARD PIT

Everhard's V GUARD™ 600GP Gross Pollutant Guard Pits protect waterways by reducing the amount of urban gross pollutants from stormwater run-off. The injected moulded polypropylene constructed unit is light and easy to install. The V GUARD™ 600GP replaces conventional stormwater pits and treats the run-off at the source. Risers are also available to allow increased cover over pipework.



V GUARD 600

GROSS POLLUTANT ARRESTOR PIT

Everhard's V GUARD™ 600AP and V GUARD™ 600APS Gross Pollutant Arrestor Pits help to improve and protect waterways and provide a sustainable environment by reducing the amount of urban gross pollutants from stormwater run off.

The V GUARD™ 600AP utilises a triple action filtering process incorporating a 'V' shaped screen and a positive baffled separation sump fitted

with a tray to remove silt and sediment. Collected surface water is slowed as it passes under the baffle before leaving the unit, while solids suspended in the flow fall from the water stream and are deposited into the sump in the bottom of the unit.

The V GUARD™ 600APS has the V shaped screen replaced with a specially modified SQID® device which provides a maximum flow rate of 50L / sec. It also allows for a 200mm cover at the outlet pipe when using 225 or 300mm pipe.

Moulded from a selected grade of polyethylene, V GUARD™ 600AP and V GUARD™ 600APS Gross Pollutant Arrestor Pits are light and easy to install. The external ribbed design provides support and strength to resist external forces from backfilling while reducing the risk of floatation.

The Outlet Pipe blister is 400mm wide with a multi-size boss and socket arrangement permitting pipes of varying sizes to be connected using rubber sleeves and stainless steel worm drive clips. This allows pipe cover of 300mm for 300NB and 225NB pipes and 330mm cover to the 150NB connection

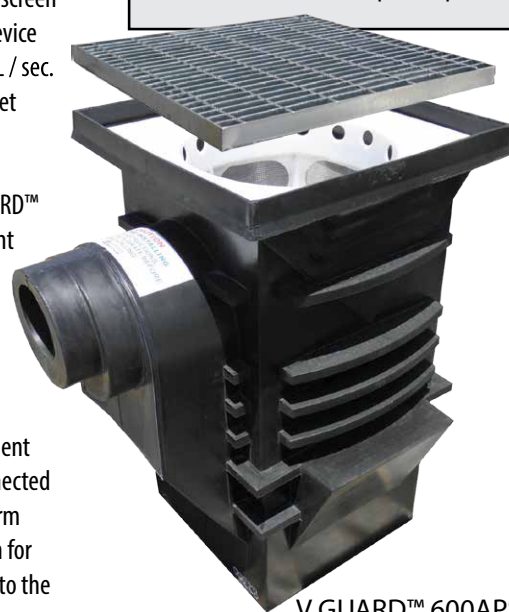
Standard EVERHARD Series 600 Risers can be used if the depth to the pipe needs to be

Applications
V GUARD™ Gross Pollutant Pits are designed for a range of applications including:

- Shopping Centre car parks
- Industrial sites
- Factories
- Warehouses
- Townhouse and unit complex car parks



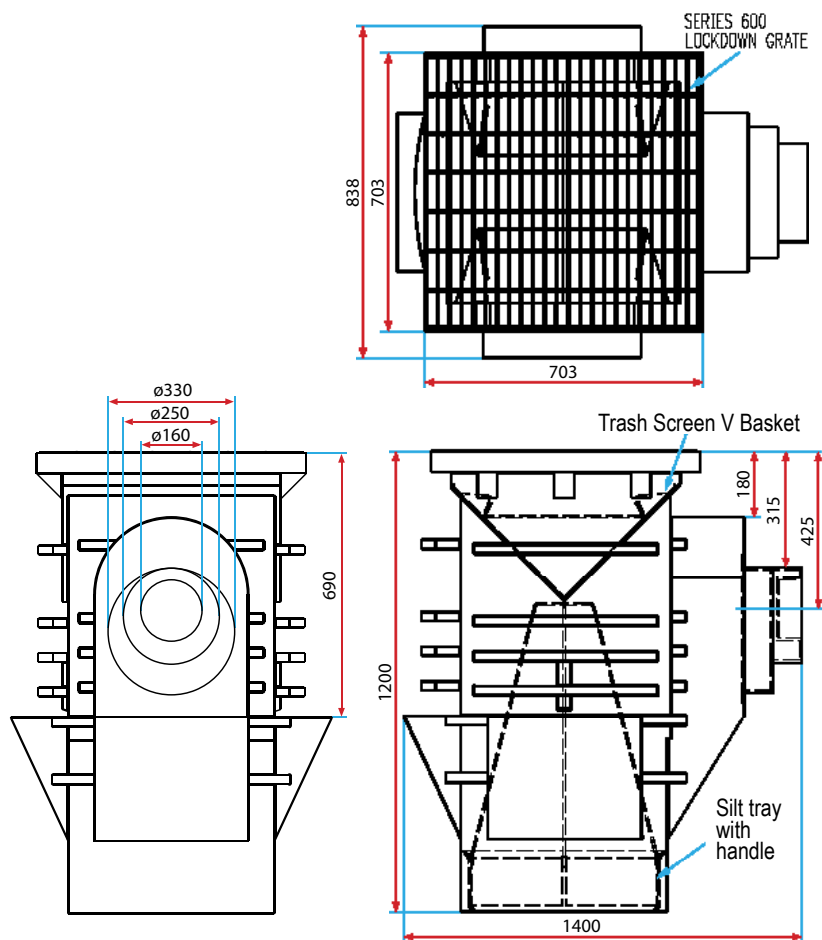
V GUARD™ 600AP



V GUARD™ 600APS

greater. This simply drops into the rim of the V-GUARD™600 Pit and locks over the lip.

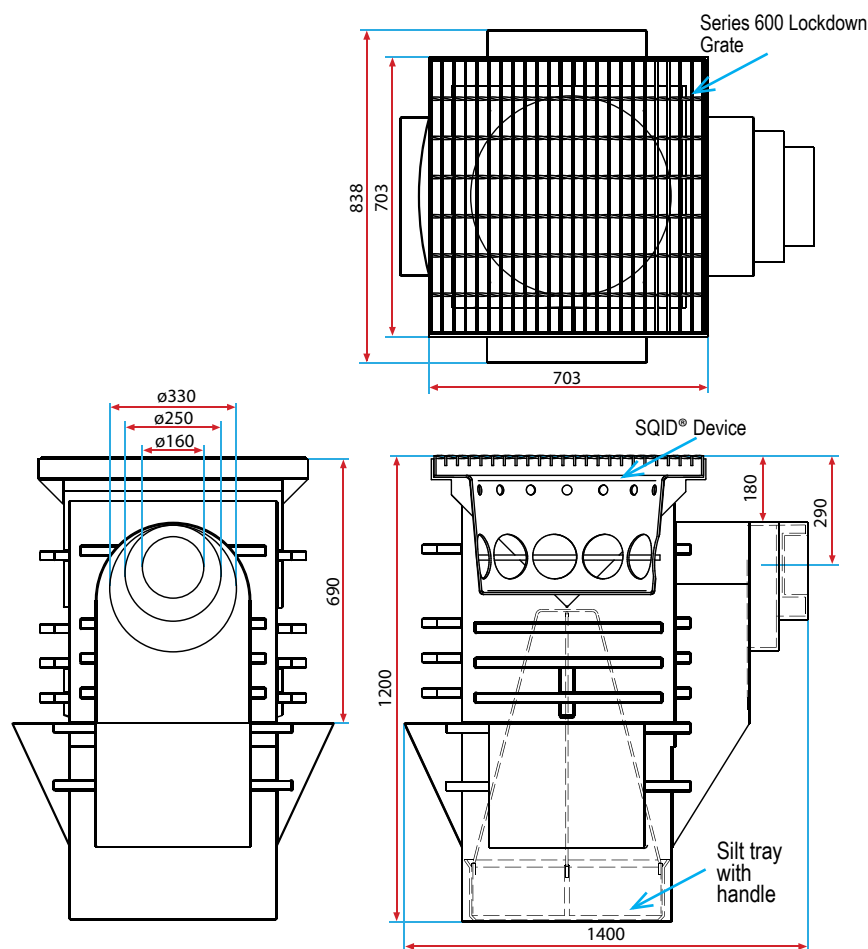
Product Code	Description	Weight Kg
	V Guard 600GP	
82280	V-Guard 600GP with Class A Grate	47.00
82281	V-Guard 600GP with Class B Grate	68.00
82282	V-Guard 600GP with Class D Grate	102.00
	V Guard 600AP	
82290	V-Guard 600AP with Lockable Class B Grate	92.50
82291	V-Guard 600AP with Lockable Class D Grate	94.50
	V Guard 600APS	
82300	V-Guard 600APS (SQID fitted in lieu of GMS screen) Class B GMS grate	92.50
82301	V-Guard 600APS (SQID fitted in lieu of GMS screen) Class D GMS grate	94.50



SPECIFICATIONS

Recommended Outlet Size:	DN300mm, DN225mm, DN150mm
Chamber Volume:	175 Litres
Screen Material:	Galvanised Mesh
Total Sediment Chamber Screen:	42 Litres
Total Pollutant Screen Capacity:	18 Litres
Treatable Flow Rate*:	8 Litres/sec
Maximum Flow Rate (At By-Pass)*:	50 Litres/sec
Sediment Capture .0.5mm:	>98%
Pollutant Screen Retention:	99% (At by-pass flow rate)*
Hydrocarbon Capture:	yes

*Flow rate and treatment efficiencies calculated by full scale field testing in Brisbane under supervision of a qualified Hydraulic Consulting Engineer. Results have been calculated with an outlet size of DN300mm.



SPECIFICATIONS

Recommended Outlet Size:	DN300mm, DN225mm, DN150mm
Chamber Volume:	175 Litres
Screen Material:	Stainless Steel Mesh
Total Sediment Chamber Screen:	42 Litres
Total Pollutant Screen Capacity:	23 Litres
Treatable Flow Rate*:	8 Litres/sec
Maximum Flow Rate (At By-Pass)*:	30 Litres/sec
Sediment Capture 0.5mm:	>98%
Pollutant Screen Retention:	99% (At by-pass flow rate)*
Hydrocarbon Capture:	yes

*Flow rate and treatment efficiencies calculated by full scale field testing in Brisbane under supervision of a qualified Hydraulic Consulting Engineer. Results have been calculated with an outlet size of DN300mm.

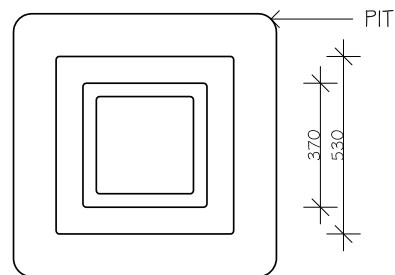
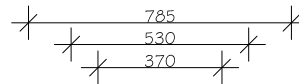
The SQID® InFil-Trator 450 provides a superior alternative to existing propriety pits that are presently being marketed as part of infiltration and detention systems.

The SQID® InFil-Trator 450 incorporates a SQID® stormwater management system inspired insert filter basket, durable polyethylene pit & a lightweight aluminium or polyethylene lid.

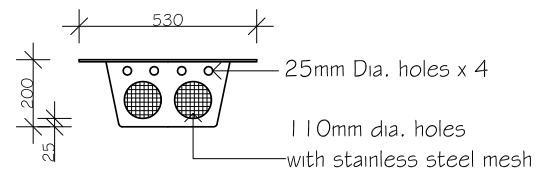
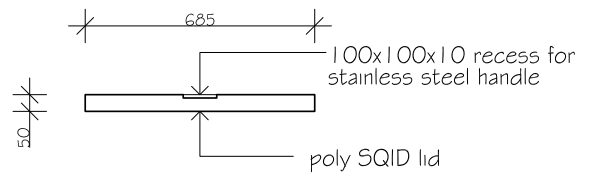
The InFil-trator 450 can be used in other applications that requires filtration prior to redirection to storm water drainage & storage, either by pipe or overland.

Unique features

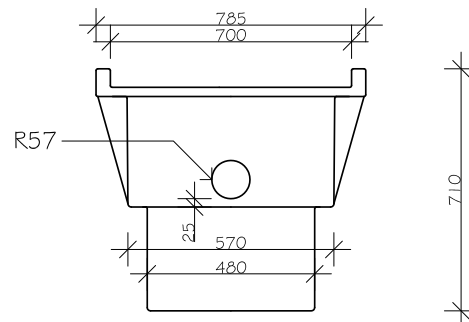
- Flow rate up to 40 litres per second.
- Bi-pass capacity of 8.5 litres per second at nominal head.
- Dual purpose lifting and bi-pass holes.
- Dry cell principals.
- SQID and pit manufactured using durable polyethylene and stainless steel .
- Lightweight, strongly constructed poly lid. (Poly lid can be bolted down)
- Pipe or overland applications.
- Invert nominally 250 mm under lid.



PLAN VIEW - SQID



ELEVATION - SQID



ELEVATION - PIT

Installation Instructions

- Holes are pre-cut in the pit at the required inverts.
- Inlet 1 x100mm Dwv is not to intrude into the pit more than 20mm.
- Outlet 1 x150mm to the infiltration trench must not intrude more than 10mm.
- Storm water bi-pass 1 x100mm. Do not intrude more than 20mm.
- The invert of the inlet is 300mm.
- The manufacturer recommends a concrete surround of 150mm wide and depth of at least 100mm.

Product Code	Description	Weight (Kg)
97925	SQID® InFil-Trator 450	23.00

The SQID® is a stormwater management system which acts as the first line of defence against litter and sediment reaching our fragile waterways.

The SQID® devices are a range of pit inserts which guard against pollutants and other debris being washed into our oceans via our ecologically fragile rivers and streams.

With controlled bypass water flow, it reduces re-mobilisation of already captured pollutants during a storm event.

The SQID® is a pit insert for the primary treatment of stormwater at the source. Used in car parks, driveways, road kerb inlets, field gully pits, bridges and anywhere storm water is collected, particularly around shopping centres, carparks schools, etc. The design ensures that all gross pollutants are prevented from entering the stormwater reducing adverse environmental impacts.

Manufactured from UV stabilised polyethylene and a stainless steel screen mesh the SQID® will make sure that all stormwater pollutants are captured at the source.

Organic matter such as leaves can act to deplete critical levels of dissolved oxygen with subsequent adverse impacts on aquatic life. Within the SQID®, oxygen is not depleted due to the removal of the captured material being suspended/held above any water or residual left in the pit.

The SQID® effectiveness under different hydraulic loads and levels of blockage by pollutants have been evaluated and verified by Queensland University of Technology (QUT) testing. High flow models for tropical areas are available.

Installation

The SQID® devices come in a range of sizes and are easily fitted to a wide range of pits as either new installations or retro-fits. The inserts are manufactured to the nominal sizes indicated.

In a polymer pit the SQID® can simply be fitted underneath the grate which will hold the SQID® in place.

For installation in concrete or similar pits a SQID® fitting kit is supplied which fixes to the inner wall in the required position and supports the weight of the SQID®.

Maintenance & Servicing

As with all equipment, there is a requirement for regular maintenance to be undertaken and these devices are no different.

The SQID® can be easily removed and the waste disposed of to a controlled land-fill system.

Cleaning should be undertaken on a three monthly basis, after heavy rain or as usage dictates.

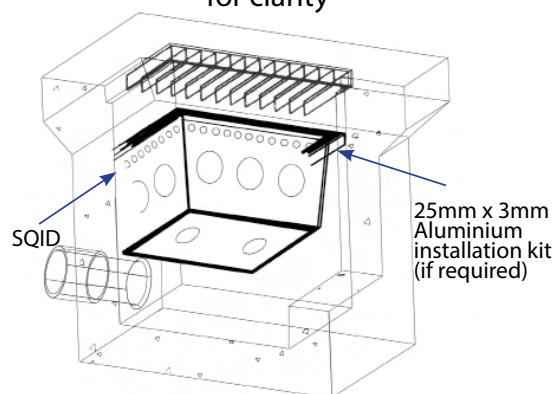
Because the material collected is drained and dry, disposal is via normal waste collection methods. In larger installations, this can be supported with suction cleaning using eductor vacuum or other suction options.

As the larger devices have the potential to carry more than manual handling allows, these should be lifted with appropriate equipment or collected material removed by above

methods. All lifting points provided should be used when lifting and care needs to be taken with lifting manually.

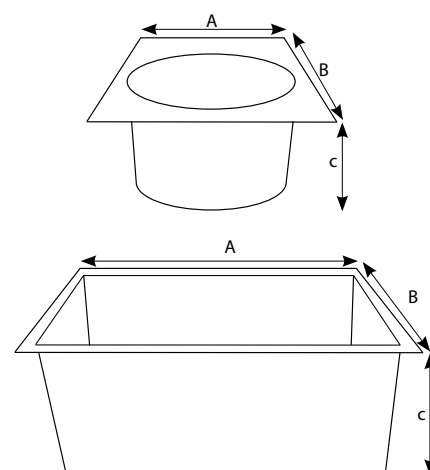


Concrete pit shown cut away for clarity



Product Code	Description	Flow rate Capacity	Weight (Kg)	Dimensions (mm)		
				A	B	C
97903	SQID® 300 suit Series 300 plastic pit	22	2	345	345	200
97904	SQID® 450 suit Series 450 plastic pit	42	3	540	540	200
97905	SQID® 600 suit Series 600 plastic pit	60	4.5	680	680	200
97906	SQID® 450 (inc kit) suit concrete pit	42	3.5	450	450	200
97907	SQID® 600 (inc kit) suit concrete pit	60	5	600	600	200
97908	SQID® 900 x 600 (inc kit) suit concrete pit	120	8	900	600	280
97909	SQID® 900 x 900 (inc kit) suit concrete pit	200	13	900	2 x 450	280
97917	SQID® only suit 450 x 450 concrete pit	42	3	450	450	200
97919	SQID® only suit 600 x 600 concrete pit	60	4	600	600	200
97915	SQID® only suit 900 x 600 concrete pit	120	5	900	600	280
97914	SQID® only suit 900 x 900 concrete pit	200	6	900	2 x 450	280

*(litres per second)



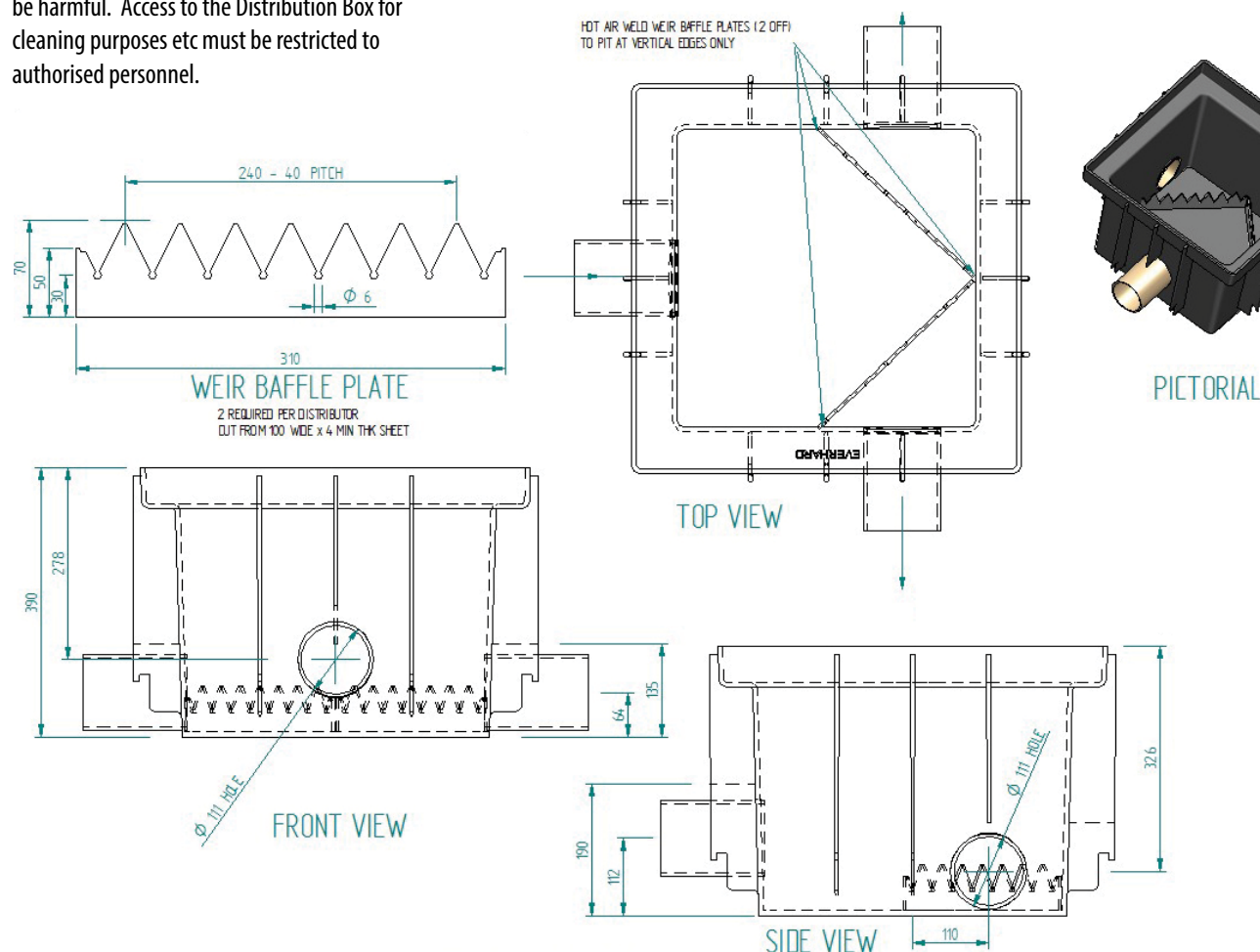
DISTRIBUTION BOX

EVERHARD Polymer Distribution Boxes are made from injection moulded Polypropylene which is durable and tough, with additives for resistance to UV degradation. Weir baffles divide flow evenly and have pre-cut holes for DN100 uPVC pipes (inlet and two side outlets.) Extra holes are readily cut with a normal jig-saw or hole-saw. Their light weight makes them easy to handle and simple to install.

Standard moulded Polymer Covers are suitable for non-traffic areas such as gardens. Optional concrete covers and checkerplate covers are also available for areas where regular pedestrian traffic is probable, or where activities such as mowing may damage standard covers.

Distribution Boxes must be installed on a compacted bed of seating material in a hole with inlet and outlet pipes at the correct depth to allow free drainage.

Fluid in Distribution Boxes from waste-water treatment systems is contaminated and may be harmful. Access to the Distribution Box for cleaning purposes etc must be restricted to authorised personnel.



Product Code	Description	Weight (Kg)
84912	Series 450 Distribution Box Comp	7.50
84936	Series 450 Distribution Box 300mm with Weir Fixed	6.22
84921	Series 450 Polymer Cover	1.78

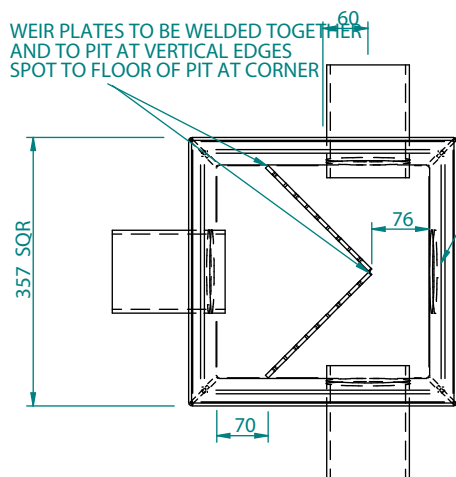
DISTRIBUTION BOX

EVERHARD Polymer Distribution Boxes are made from injection moulded Polypropylene which is durable and tough, with additives for resistance to UV degradation. Weir baffles divide flow evenly and have pre-cut holes for DN100 uPVC pipes (inlet and two side outlets.) Extra holes are readily cut with a normal jig-saw or hole-saw. Their light weight makes them easy to handle and simple to install.

Standard moulded Polymer Covers are suitable for non-traffic areas such as gardens. Optional concrete covers and checkerplate covers are also available for areas where regular pedestrian traffic is probable, or where activities such as mowing may damage standard covers.

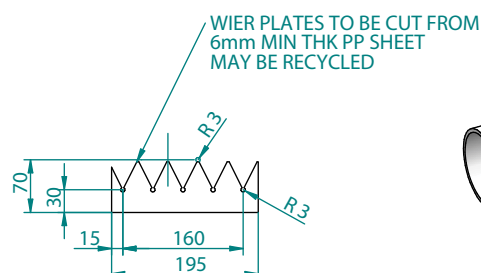
Distribution Boxes must be installed on a compacted bed of seating material in a hole with inlet and outlet pipes at the correct depth to allow free drainage.

Fluid in Distribution Boxes from waste-water treatment systems is contaminated and may be harmful. Access to the Distribution Box for cleaning purposes etc must be restricted to authorised personnel.



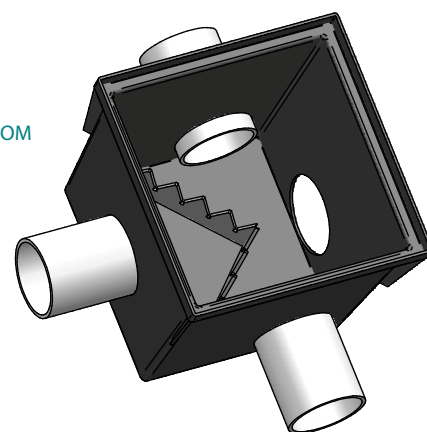
TOP VIEW

OPTIONAL 110mm DIA OUTLET TO BE CUT BY PLUMBER IF 3RD OUTLET REQUIRED

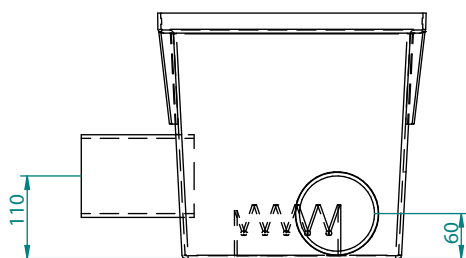


WEIR PLATE
2 REQD PER PIT

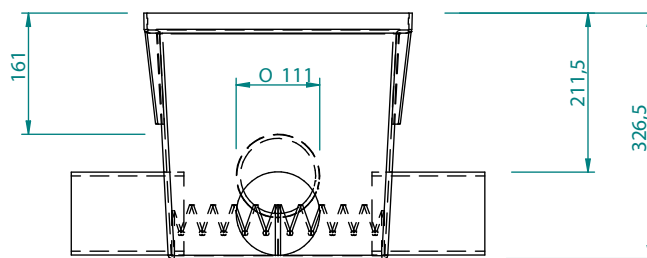
WEIR PLATES TO BE CUT FROM 6mm MIN THK PP SHEET MAY BE RECYCLED



PICTORIAL



SIDE VIEW



END VIEW

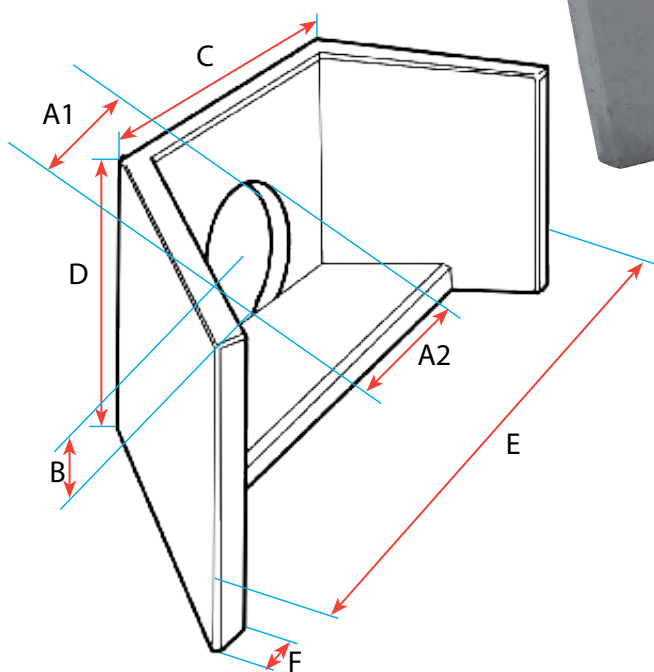
Product Code	Description	Weight (Kg)
84919	Series 300 Distribution Box Complete	3
84934	Series 300 Distribution Box 300mm with Weir Fixed	1.8
84221	Series 300 Polymer Riser only 150mm high	1
84930	Series 300 Polymer Distribution Box case only	2
84952	Series 300 Distribution Box Polymer Lid Only "Septic Distribution - Do not touch"	0.8
84953	Series 300 Distribution Box Polymer Lid Only	0.8
84915	Series 300 Polymer Distribution Box with Concrete lid & weir (Qld Only)	16
21208	Series 300 Distribution Box Concrete Lid Only	14.6

WINGED HEADWALLS

These are some of the most common models in the EVERHARD range of Winged Head Walls. The tapered socket allows pipes of varying diameters to be inserted from the rear and set with the invert of the pipe level with the front apron for free draining in either direction. Pipes with thinner wall will need to be supported with mass concrete, and the connection into the socket sealed to prevent erosion of the backfill by stormwater.

More standard units in the Low-Back and High-Back style, designed to accept a range of other pipe sizes, are also available.

All large models are fitted with "Swift-Lift" type lifting anchors for safe handling.



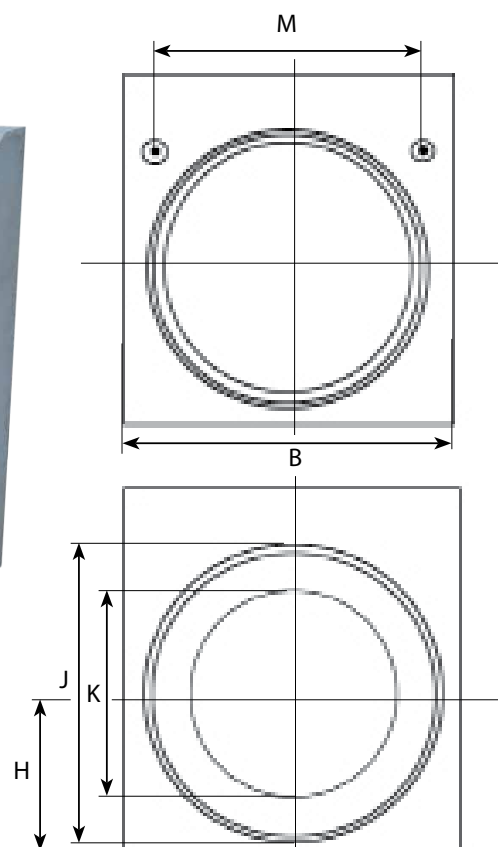
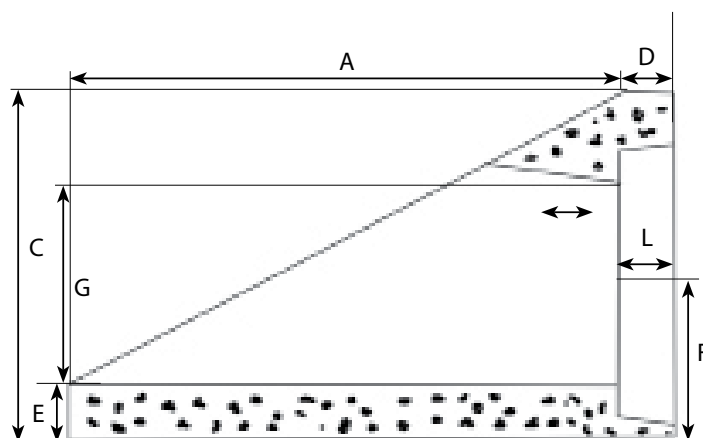
Product Code	Description	Weight Kg	Dimensions (mm)					
			A1 - A2	B	C	D	E	F
62000	Headwall suit PVC 90, 100, 150 mm	35	90/110/160 knockout recess	90/100/125	400	275	550	50
62654	Headwall suit PVC 90, 100, 150 mm (inc frog flap)	35	DN100 SCJ	100	400	275	550	50
62008	Headwall suit RCP 225	270	295 - 275	232	710	730	1340	75
63563	Headwall suit RCP 300	255	430 - 385	270	710	730	1340	75
63564	Headwall suit RCP 375	245	470 - 460	305	710	730	1340	75
62011	Headwall suit RCP 450	295	610 - 580	345	710	730	1340	75
64004	Headwall suit RCP 525	300	650 - 630	365	860	850	1410	80
62014	Headwall suit RCP 600	255	770 - 740	400	860	850	1410	80
63569	Headwall Concrete Winged suit RibStruct 300mm	250	330 - 310	250	860	850	1410	80
63571	Headwall Concrete Winged suit RibStruct 375mm	240	430 - 405	285	860	850	1410	80
63572	Headwall Concrete Winged suit RibStruct 485mm	260	525 - 495	325	880	880	1320	75
63573	Headwall Concrete Winged suit RibStruct 610mm	255	640 - 610	380	880	880	1320	75

SLOPED HEADWALLS

EVERHARD Safe-Slope Headwalls provide a constant sloped front to permit the contact face to be blended into embankments. This helps to protect vehicles and slashers from damage caused by falling into the space produced by the vertical face of standard Winged and Apron front Headwalls.

The table shows detailed dimensions for the range of Safe-Slope Head Walls. Each type has the same sized opening in the sloped front face, tapering back to the rear. The tapered socket in the rear is different for each pipe, which allows varying diameters of pipes to be inserted from the rear and set with the invert of the pipe level. When packed and sealed with mortar or suitable compounds, this allows free draining in either direction. Pipes with thinner walls than the design standard may be supported with mass concrete.

The connection into the socket should be sealed to prevent erosion of the backfill by stormwater.



J - maximum pipe o.d.

K - pipe NB

Product Code	Description	Weight Kg	Dimensions (mm)												
			Nom Pipe	A	B	C	D	E	F	G	H	J	K	L	M
64015	Sloped headwall (DMR style) suit RCP 300	580	300	1200	650	775	90	124	349	450 ø	274	400	300	100	550
64016	Sloped headwall (DMR style) suit RCP 375	560	375	1200	650	775	90	124	349	450 ø	311	476	375	100	550
64017	Sloped headwall (DMR style) suit RCP 450	545	450	1200	650	775	90	124	349	450 ø	349	580	450	100	550
64018	Sloped headwall 525mm	1055	525	1500	900	900	100	125	425	600 ø	425	685	600	100	800
64019	Sloped headwall 600mm	1035	600	1500	900	900	100	125	425	600 ø	425	750	600	100	800
Maroochy Shire Precast Concrete Headwall (tombstone) to suit RCP 300 and RCP 375 also available. Refer to pricelist.															

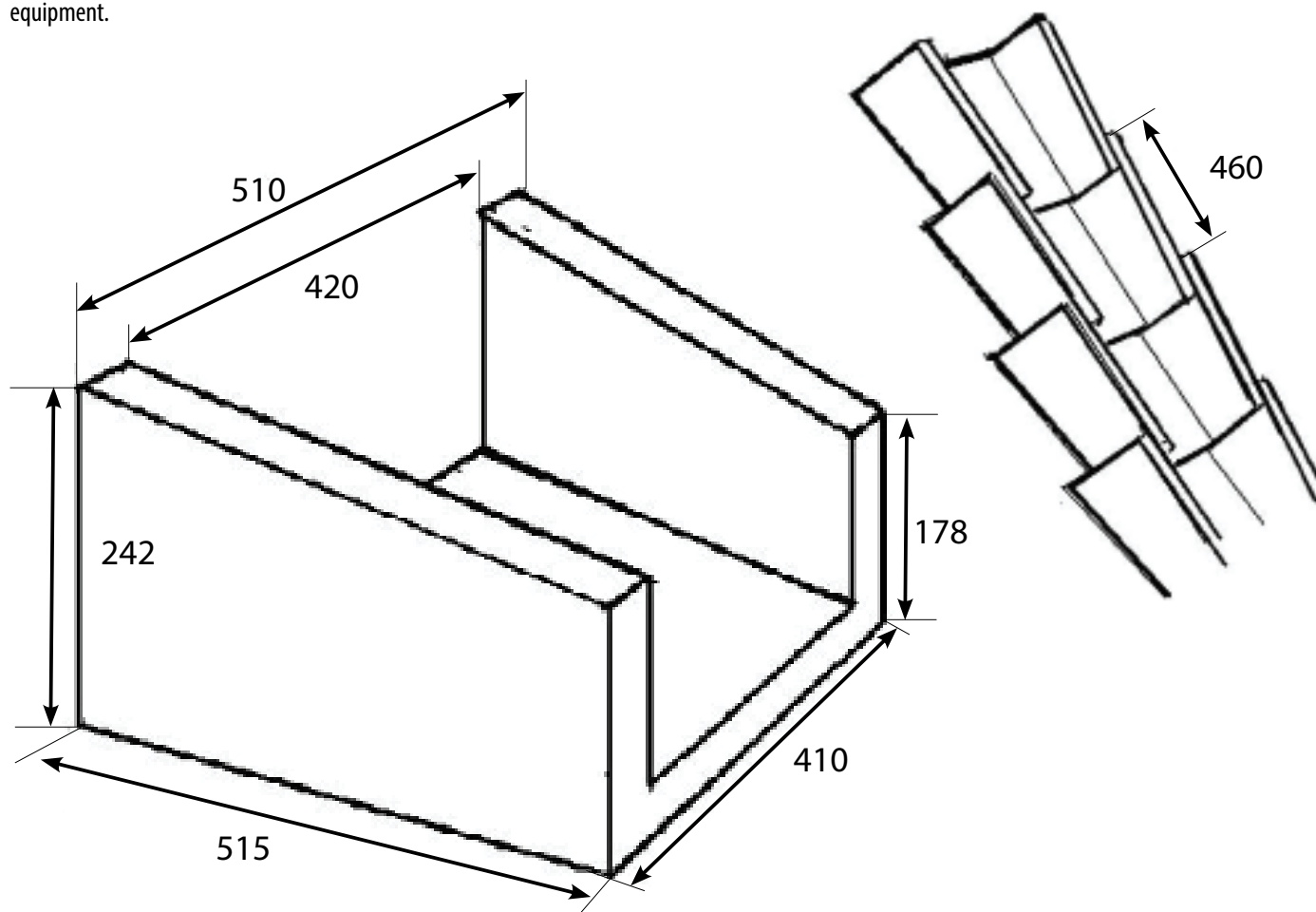
CONCRETE BATTER CHUTE

Pre-cast Batter Chute

The EVERHARD range of Stormwater Drainage products includes the robust and durable Embankment Drain Batter Chute. This is designed to comply with Main Roads Department requirements for sloping run-off channels to help direct and remove surface water from elevated roadways while minimising the risk of soil erosion.

Each Batter Chute is simply placed so that the narrow outlet end seats into the inlet end of the next one below it on a slope. The unit will lock into position and the entire assembly is then ready to be secured by in-situ concreting and surrounded by top-soil and vegetation cover.

EVERHARD steel-reinforced pre-cast concrete Embankment Drain Batter Chutes weigh 44kg each and have one M10 threaded insert in the flat channel upper surface, ready for safe lifting by material handling equipment.



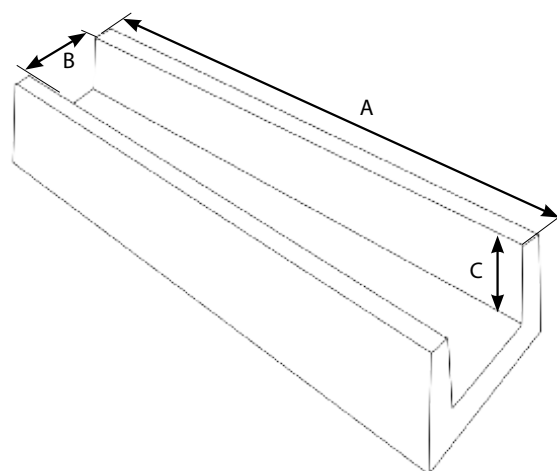
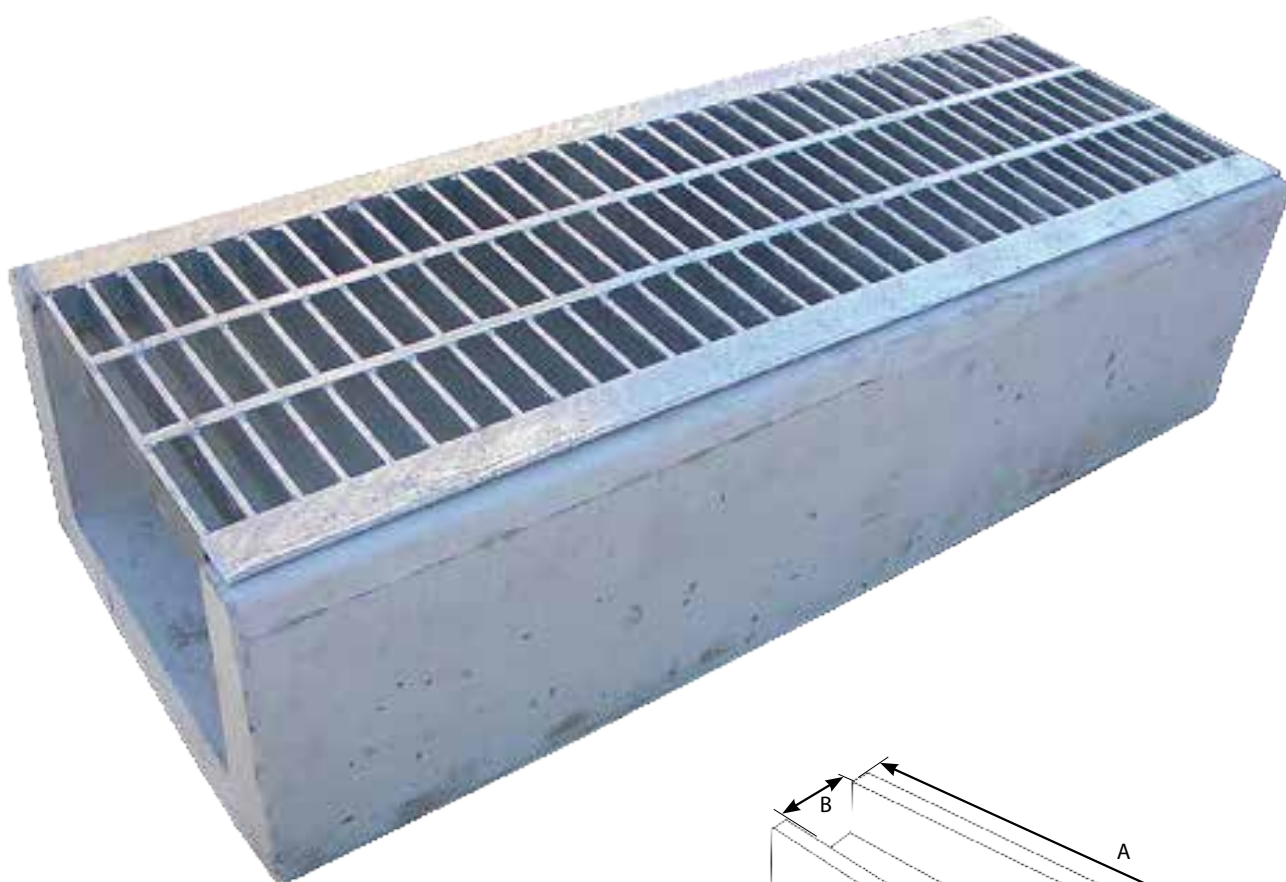
Product Code	Description	Weight (Kg)
62653	Precast batter chute MRD	44

CONCRETE U CHANNEL & GRATE

EVERHARD pre-cast concrete 300 x 200 and 150 x 100 concrete channel is a popular choice for drainage systems in many commercial and industrial applications, and also in domestic situations where large volumes of collected surface water have to be controlled.

Various types of grates are available, including standard "drop-in" steel Class B as well as "topmounted" Class A and Class B for use with Frames to be cast in to the surrounding paving.

Concrete channel should be installed in poured concrete envelopes to provide support against vehicle loading.



Product Code	Description	Weight Kg	Dimensions (mm)		
			A	B	C
45031	300W x 200D x 1.0mtr L U-channel	94	1000	300	200
45306	300W x 1.0mtr L Class B GMS grate to suit 45031	23			

GEOTECH DRAIN MATTING

Everhard's Drain matting is 150g/m² PP needle punched short fibre non woven geotextile. It is ideal for waste water disposal trenches, stormwater drainage systems, retaining walls and absorption trenches.

TEST ITEM	UNIT	TEST METHOD	TEST RESULT
Mass per unit area	G/M2	GB/T 17638-1998	150
Basic weight tolerance	%	GB/T 17638-1998	+(-)7
Thickness	mm	GB/T 17638-1998	1.3
Breadth tolerance	%	GB/T 17638-1998	+(-)0.5
Tensile strength at breaking	KN/m	GB/T 17638-1998	5.6
Elongation at break>=	%	GB/T 17638-1998	70
CBR plunger strength >=	KN	GB/T 17638-1998	0.75
EOS 090	mm	GB/T 17638-1998	0.07-0.2
Tearing strength	KN>=	GB/T 17638-1998	0.25



Product Code	Description	Weight (Kg)
82069	6 metres x 600mm (Sold in box lots of 12)	0.54 ea
82070	6 metres x 2 metres (Sold in box lots of 4)	1.80 ea
82061	600mm wide x 50 metre roll	4
82066	1000mm wide x 50 metre roll	6
82067	1200mm wide x 50 metre roll	7
82068	2000mm wide x 50 metre roll	12

Evertrench is a durable self-supporting arched liner, complying with Australian standards, designed to allow fluid from the tank to disperse along the entire raked, level floor of the trench, soaking into the soil more evenly than from slotted pipe that is sometimes used.

The Evertrench 1.5 metre lengths are easily installed by one person and the corrugated design means sections can be easily interlocked using no extra parts or tools.

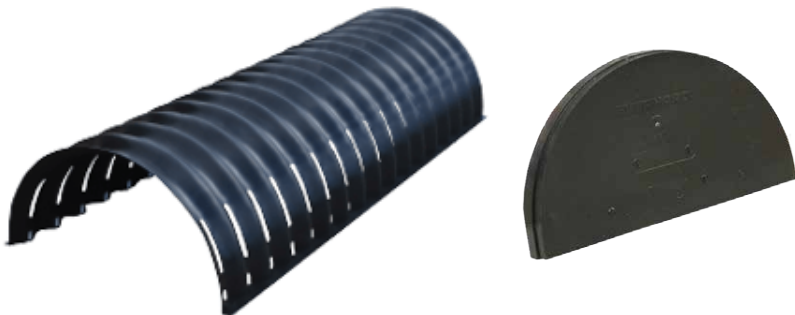
Available in three standard sizes, Evertrench allows for totally efficient, free-flowing wastewater disposal, with a great transfer area than required by the Australian Standard.

Unlike traditional trenches, which are filled with rubble or crushed rock, Evertrench provides 100% uncluttered wastewater dispersal.

The entire arched interior space of Evertrench is available to hold fluid and then dispose of it through the trench floor area and through the punched holes in the side walls.

Evertrench also out-performs slotted pipe by allowing quicker dispersion of fluid to surrounding aggregate and soil for transpiration or evaporation, with less risk of blockage.

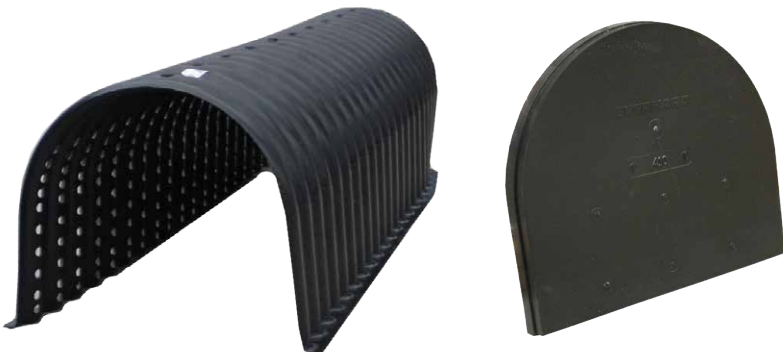
For totally efficient, free-flowing waste-water disposal, it's hard to go past Evertrench.



Evertrench Small



Evertrench Large



Evertrench Jumbo



Product Code	Description	Weight (Kg)
82014	Evertrench 230x1200 Small	2.05
82015	230mm Trench End Cap	0.40
82024	Evertrench 350x1200mm Large	3.10
82025	350mm Trench End Cap	0.60
82030	Evertrench 410x1500mm Jumbo	4.10
82035	410mm Trench End Cap	1.00
82900	Evertrench Spreader Bar Plastic 430mm	0.20

BAILER PIPE

The Bailer Pipe is an inlet used with trenches to allow water to be bailed out when the trenches are overflowing. These are generally specified for areas with very poor drainage.

Lightweight and durable UV stabilised polypropylene construction with a concrete lid.

Approx 652mm tall and a diameter of 454mm with an internal diameter of 395mm.



Product Code	Description	Weight (Kg)
83000	Poly bailer pipe complete	3.82
83001	Poly bailer pipe ø375mm complete with Concrete lid	21.26

METER BOXES & LIDS

Everhard offers a range of meter boxes designed specifically for underground housing of water meters, gas or water control valves, irrigation services and controls, stop cocks or any other service requiring underground connection and protection.

The meter box range comes in small, large shallow and large deep. They are lightweight,

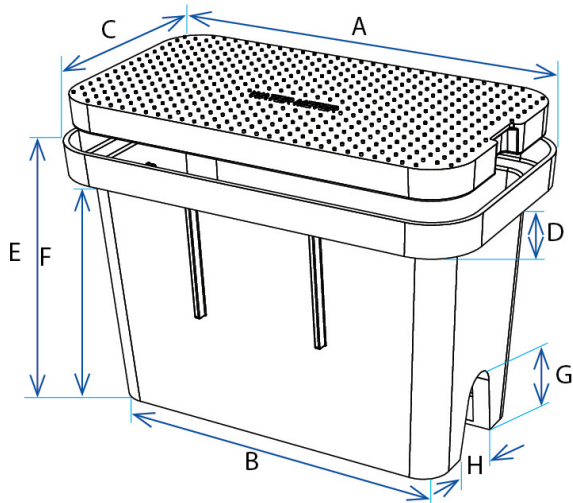
easy to install and manufactured from quality recycled high density UV stabilised polyethylene polymer.

The meter boxes are strong, durable and have been designed to withstand light vehicular traffic. Each meter box and lid is joined by a connector cable.

Lids are tested to AS/NZS 3661.1993 "Slip Resistance of Pedestrian Surfaces".

There are a number of meter box lid identification options available. Lockable meter boxes are also available.

Lids, cases and cables are available separately on request.



Product Code	Description	Weight (Kg)	Dimensions (mm)							
			A	B	C	D	E	F	G	H
84709	Small Meter Box – c/w Black Lid "B.C.C. METER"	3.00	368	314	271	218	316	276	89	72
84710	Small Meter Box – c/w Black Lid "METER"	3.00	368	314	271	218	316	276	89	72
84711	Small Meter Box – c/w Black Lid "WATER METER"	3.00	368	314	271	218	316	276	89	72
84704	Small Lockable Meter Box c/w Black Polymer Lid "WATER METER"	3.00	368	314	271	218	316	276	89	72
84713	Small Meter Box – c/w Black Lid "CONTROL VALVE"	3.00	368	314	271	218	316	276	89	72
84748	Small Meter Box c/w GMS Checker Plate Lid	3.50	368	314	271	218	316	276	89	72
84730	Large Shallow Meter Box – c/w Black Lid "METER"	3.00	492	438	271	218	220	180	89	72
84732	Large Shallow Meter Box – c/w Black Lid "WATER METER"	3.00	492	438	271	218	220	180	89	72
84735	Large Shallow Meter Box – c/w Green Lid "WATER METER"	3.00	492	438	271	218	220	180	89	72
84736	Large Shallow Meter Box – c/w Green Lid "P.R.S.C. WATER METER"	3.00	492	438	271	218	220	180	89	72
84733	Large Shallow Meter Box – c/w Black Lid "CONTROL VALVE"	3.00	492	438	271	218	220	180	89	72
84726	Large Shallow Meter Box – c/w Lilac Lid "RECYCLED WATER"	3.00	492	438	271	218	220	180	89	72
84700	Large Deep Meter Box – c/w Black Lid "METER"	4.00	492	438	271	218	316	276	89	72
84702	Large Deep Meter Box – c/w Black Lid "WATER METER"	4.00	492	438	271	218	316	276	89	72
84703	Large Deep Lockable Water Meter Box - c/w Black Polymer Lid	4.00	492	438	271	218	316	276	89	72
84737	Large Deep Meter Box -c/w Green Lid "WATER METER"	3.00	492	438	271	218	316	276	89	72
84714	Large Deep Meter Box – c/w Black Lid "CONTROL VALVE"	4.00	492	438	271	218	316	276	89	72
84742	Large Deep Meter Box -c/w GMS Checker Plate Lid	10.30	492	438	271	218	316	276	89	72
84734	Large Deep Meter Box – c/w Black Lid "QUU WATER METER"	4.00	492	438	271	218	316	276	89	72

TRAFFIC CONTROL BASE

EVERHARD manufactures pre-cast steel-reinforced concrete Traffic Control Bases in one basic pattern with two options for connection ports. These units are intended for use at road-way intersections and other places where traffic is controlled by signals, with the controlling switchgear and associated equipment housed in a cabinet close to the signals.

Traffic Control Bases have a large central opening for installation over the open end of underground conduits carrying power and control cables. Cast-in TCM 12 Stainless Steel threaded inserts (ferrules) are provided to accept screws or bolts to secure the cabinet. The inserts are generally safe for vertical lifting loads of up to 9.4kN (960kg)

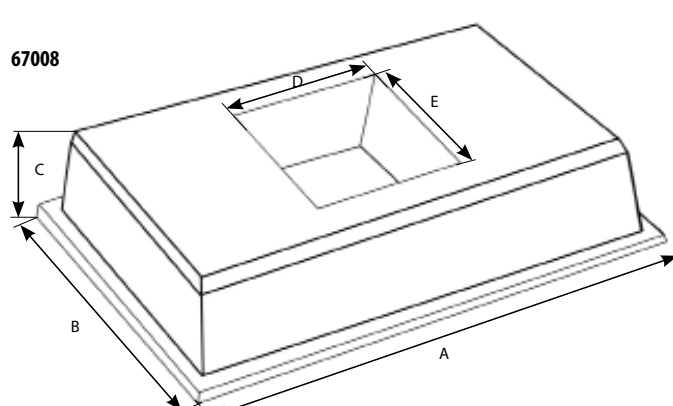
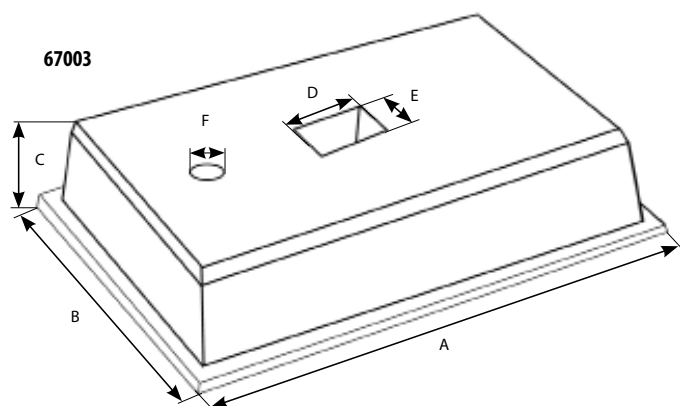
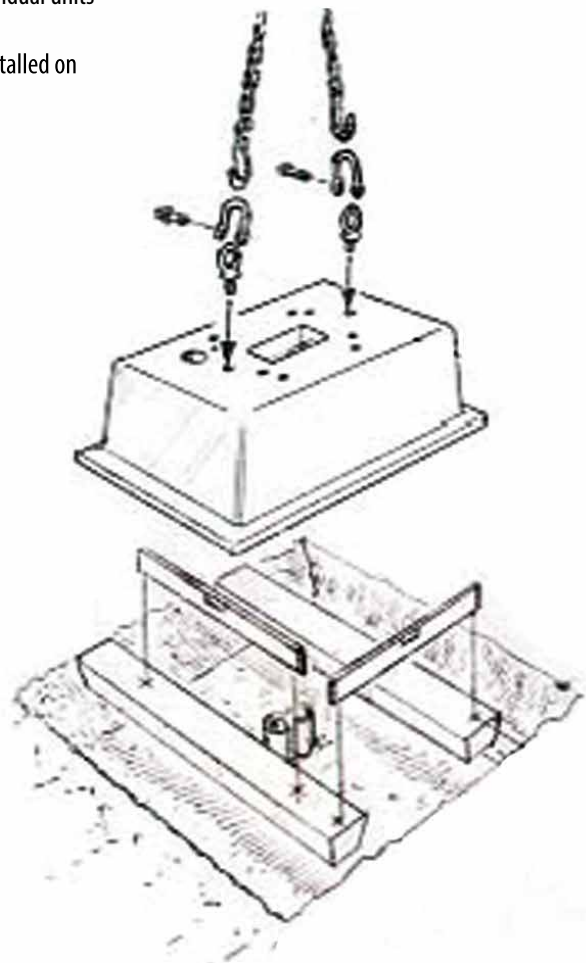
When handling individual units without an Industrial Fork Truck, it is recommended that only approved and certified lifting gear be used. Two Eyebolts or Ringbolts with M12 shanks should be fitted into the inserts along the centre line of the Traffic Control Base and tightened in accordance with the manufacturer's instructions.

Traffic Control Bases should only be lifted using a chain or wire rope sling, with two equal legs, each fitted with a hook and/or shackle suitable for the weight of the product (450kg) and matched to the lifting eye of the Eyebolt or Ringbolt. Normal safe work procedures must be followed at all time.

It is strongly recommended that Traffic Control Bases are only transported as palletised loads handled by appropriate Industrial Fork Trucks, or other suitable machinery, until individual units are required.

Traffic Control Bases should be installed on a suitably compacted and levelled base which has been finished to the required height. Any pipework that passes through the base must be in position before the final placement..

Where the surrounding surface is to be paved, the required thickness of paving should be allowed for. It is normal practice for 150mm of the height of the Traffic Control Base to remain above the final surface.

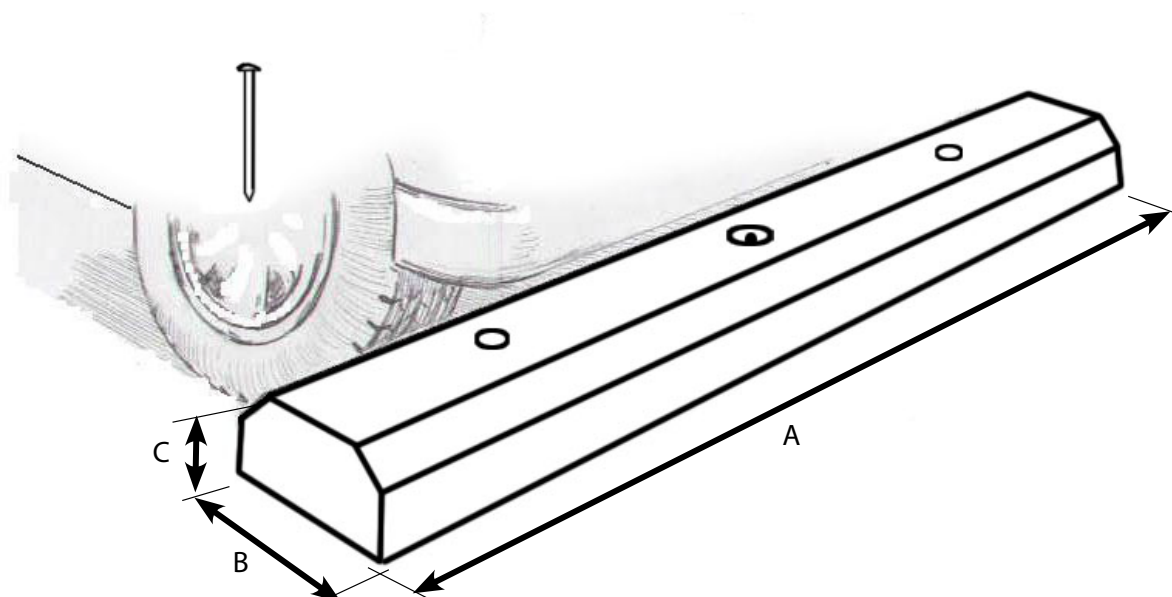


Product Code	Description	Weight Kg	Dimensions (mm)					
			A	B	C	D	E	F
67003	Traffic controller base (125mm x 250mm hole) (UMS 630 Rev.B)	440	1170	765	300	250	125	70 dia
67008	Gateway traffic controller base (420mm x 430mm hole)	448	1170	765	300	420	430	-
67012	TMR Base	448	1170	765	300	250	250	-

Wheel Stops

EVERHARD's steel-reinforced pre-cast concrete 1.65 metre Wheel Stops (61104) meet Australian Standard AS2890.1:2004 for on-street parking. These are fitted with a single "Swift-Lift" type of lifting anchor and are designed to be secured with two spikes or bolts.

We also supply 2 metre Wheel Stops (61101) which complied with the previous standard and can be used in situations where compliance with the current standard is not required.



Product Code	Description	Weight (Kg)	Dimensions (mm)		
			A	B	C
61104	1.65m Concrete Car Wheel Stop	65	1650	200	95
61103	1.8m Concrete Car Wheel Stop	75	1800	200	95
61101	2m Concrete Car Wheel Stop	85	2000	200	95
84964	GMS spike (2 required per wheel stop)	1			

CEMETERY LAWN BEAMS

Everhard has been manufacturing a range of cemetery beams for the Brisbane City Council cemeteries. The cemetery beams assist in marking the graves of those who have died in active service and are replacing old markers.



Before

Lutwyche Cemetery: Old grave markers before being replaced. New beams in the background ready for installation.



After

The new cemetery beams assist in providing a better level of commemoration.



Product Code	Description	Weight Kg
64197	Special BCC war plinths (no plaque recesses or swift lifts on top) 3650mm long	1210
64198	Special BCC war plinths (no plaque recesses or swift lifts on top) 3450mm long	1210
64199	Special BCC war plinths (no plaque recesses or swift lifts on top) 3324mm long	1210

CEMETERY LAWN BEAMS

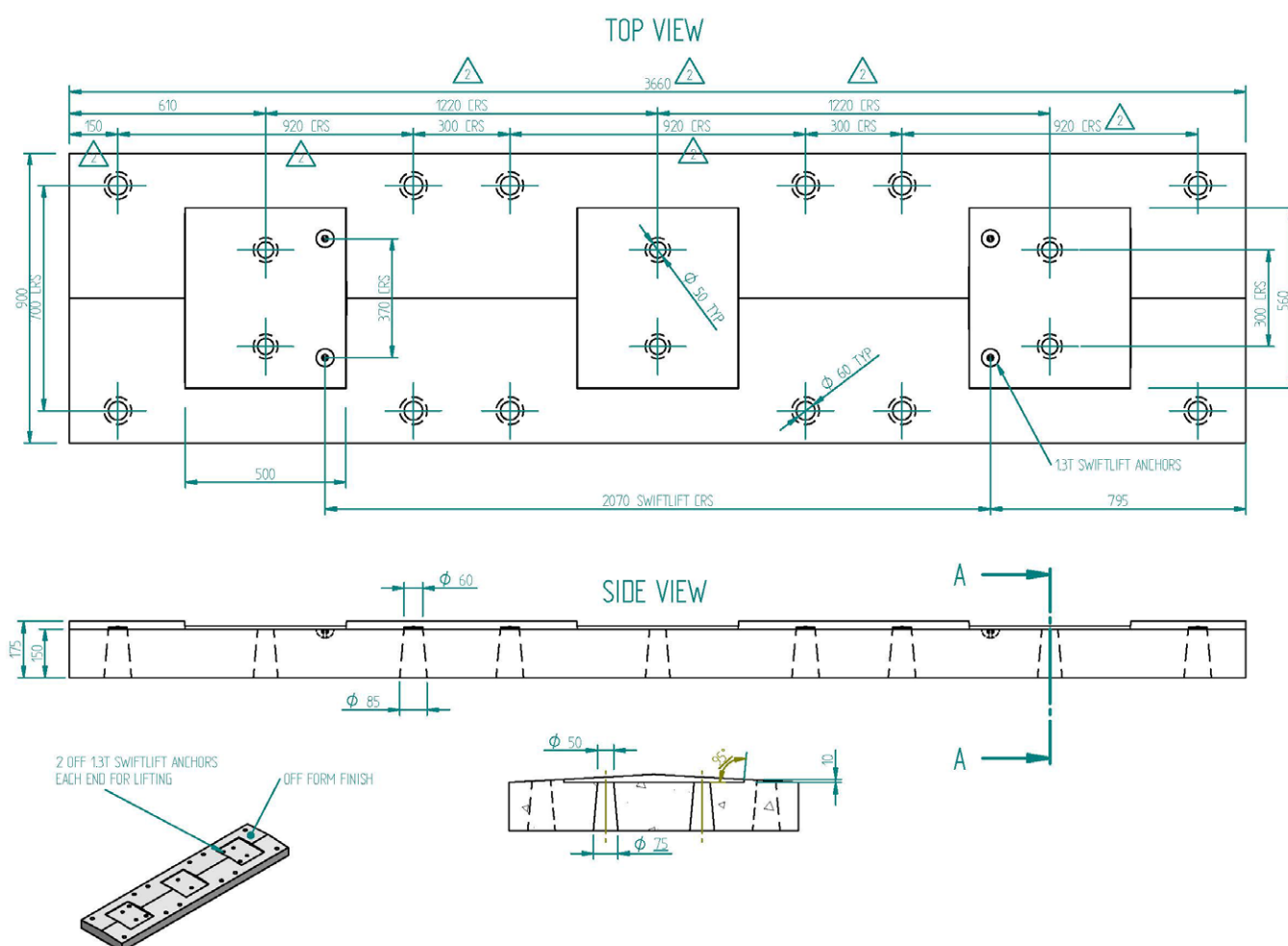


Everhard Industries manufacture a range of pre-cast concrete cemetery beams for local government authorities in Queensland.

These beams are used to give an orderly and symmetrical appearance for grave sites.

Available in models with recesses for marker plaques (standard type) or without the recess (war service type), they are a cost effective way for stake holders to ensure uniformity.

Concrete marker plaques that suit the standard type beams are available to order and custom or specially designed beams can be manufactured to order. Colours, patterns or varying finishes can be provided.



Product Code	Description	Weight Kg
64194	Standard BCC 6 grave plinth 3660mm long	1230
64195	Standard BCC 4 grave plinth 2440mm long	820
64196	Standard BCC 2 grave plinth 1220mm long	410

CONCRETE STEP TREADS

EVERHARD STEP TREADS Selection, Installation and Use

The EVERHARD INDUSTRIES Pty Ltd standard range of reinforced concrete Step Treads are only intended for use in domestic single residence housing applications.

While these products may be selected by customers for other applications, and may prove to adequately fulfil performance requirements for a number of alternative situations, they cannot be described by this company as adequate or suitable for any staircase application other than for single residences unless adequately supported by mounting systems designed for the purpose by an appropriately qualified person. This restriction includes use in installations serving hostels, hotels, apartments, offices, warehouses, factories, etc.

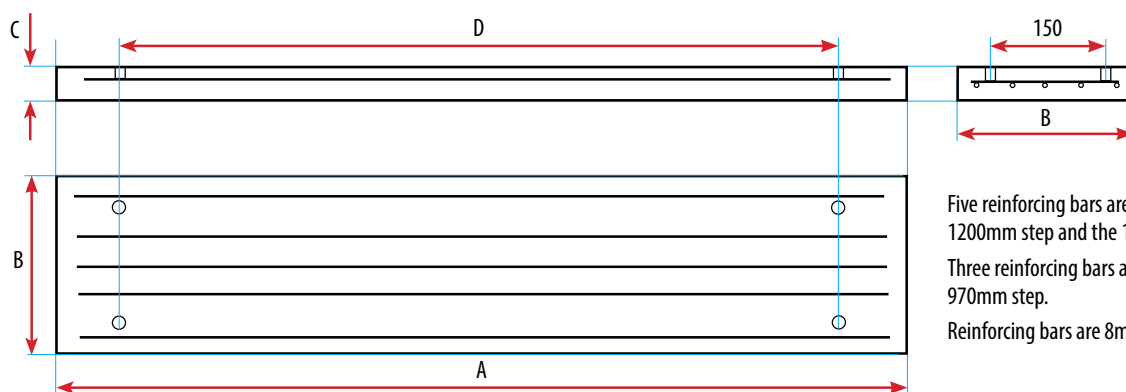
Australian Standard AS1170.1-1989 requires domestic situation step treads to be able to support 1.85kN (180kg), while treads in other situations, including apartments, office blocks etc, are required to be capable of supporting 4.5kN (450kg).

The weight of individuals using the staircase may not be assumed to be a factor in determining the performance requirements of such installations.

The standard range of concrete Step Treads can only be guaranteed to withstand loading of 180kg when installed with the normal four bolt, two location mounting system. Deliberate selection of standard reinforced concrete Step Treads, for applications where regulatory specifications require that they may be subjected

to greater loads than 180kg, must be accepted to be the responsibility of the party making the selection. It may be noted, however, that performance of any Step Tread may be greatly enhanced by providing extra effective support below the Tread, such as additional cross support members between the standard stringer/step mounting brackets.

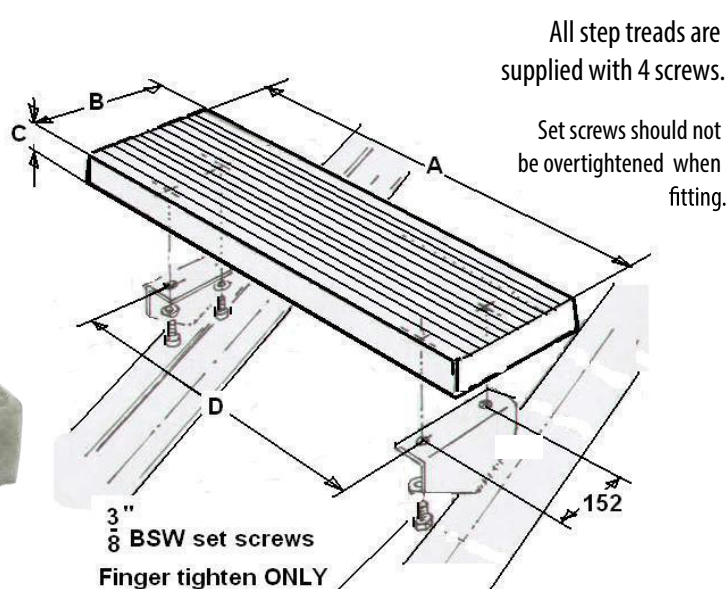
The concrete Step Treads are available in a range of imperial and metric widths to suit most normal single domestic residence situations. Fixing to standard steel stringers is by four 3/8th BSW set screws set in pairs at each end. These should be fitted upwards through holes in the stringers into polymer ferrule inserts cast into the underside of the Step Tread. The set screws should **ONLY** be finger-tightened to prevent damage to the insert.



Five reinforcing bars are placed in the 1200mm step and the 1070mm step.

Three reinforcing bars are placed in the 970mm step.

Reinforcing bars are 8mm deformed rod.



All step treads are supplied with 4 screws.

Set screws should not be overtightened when fitting.

Product Code	Description	Weight Kg	Dimensions (mm)			
			A	B	C	D
51600	Concrete step tread	28	920	250	50	720
51640	Concrete step tread	33	1070	250	50	870
51645	Concrete step tread	36	1200	250	50	1000

[illegible]

NOTES

[illegible]

BRANCHES

Head Office

405 Newman Road
Geebung QLD 4034
(07) 3637 6444

Cairns

55 Supply Road
Bentley Park QLD 4869
(07) 4031 3558

Sydney

464 Victoria Street
Wetherill Park NSW 2164
(02) 8711 1111

Melbourne

11-13 Claredale Road
Dandenong VIC 3175
(03) 9771 7344

Perth

28 Haydock Street
Forrestdale WA 6112
(08) 9417 8222

AGENTS

Wholesale Products

2B Knoll Street
Glenorchy TAS 7010
(03) 6273 3455

Young's Distribution Centre

8 Whitehouse Street
Garbutt QLD 4814
(07) 4779 0222

Tradeware Group SA

45 Birralee Road
Regency Park SA 5010
(08) 8244 0344

Tradeware Group NT

2/28 Toupein Road
Yarrawonga NT 0830
(08) 8931 1228

