



Typical applications

- *Medium density housing*
- *Carparks*
- *Pedestrian areas*
- *Shopping malls*
- *Prestige locations*



ACO's drainage pits are:

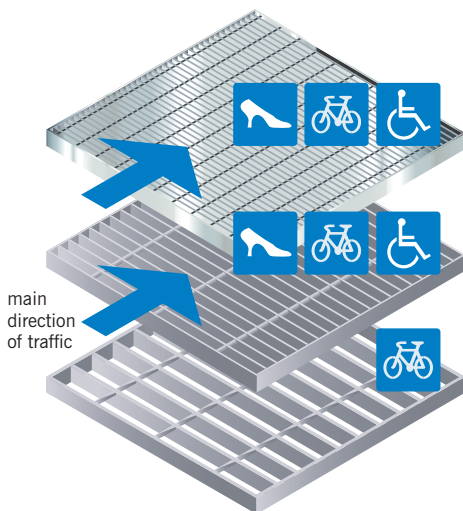
- Lightweight, easy to transport and handle
- Designed from chemical and acid resistant 'Polycrete' polymer concrete
- Available with 3 grates including **Heelguard™**
- Designed with pre-formed drillouts on all walls for simple pipe connection
- Designed with 300mm extension risers to suit all pit sizes

All **Heelguard™** grates satisfy the legislative safety requirements of:



1. ASME A112.6.3 Section 7.12 'A grate designed to resist entry of high-heeled shoes in which the maximum grate hole size in least dimension shall be 5/16in. (8mm).'
2. Australian Standard AS 1428.2 Clause 9(c) – if the long dimension of the slot is at right angles to the main direction of pedestrian traffic.

All pit grates are bicycle tyre resistant to AS 3996 Clause 3.3.6



ACO Polycrete Pty Ltd is an ASI registered company having been assessed to ISO 9001, the internationally recognised standard for quality.

Quality
ISO 9001
SAI GLOBAL



HEELGUARD™ Antislip STAINLESS GRATE DATA Stainless Steel 304



Part No.	To Suit	Nom. Wheel Load (kg)	Slot Size (mm)	Intake Area (mm ²)	Weight (kg)
78932	Type 33	330	5	42,540	3.1
78941	Type 45	330	5	96,460	8.5
78958	Type 66/ 66H	330	5	175,680	13.7
90009	Type 95	330	5	198,000	15.6
90011	Type 96	330	5	269,175	24.0
90020	Type 99	330	5	400,950	33.7

1. Locking grates available on request 2. Stainless steel 316 available on request
3. Lifting tool available on request 4. Wheel loads are derived from AS3996 – 2006

HEELGUARD™ GALVANISED GRATE DATA Galvanised (hot dipped) steel



Part No.	To Suit	Nom. Wheel Load (kg)	Grid Size (mm)	Intake Area (mm ²)	Weight (kg)
90038	Type 33	2670	95 x 7.5	50,760	5.9
90045	Type 45	2670	95 x 7.5	116,875	27.8
90054	Type 66/ 66H	2670	95 x 7.5	209,510	48.0
90067	Type 95	2670	95 x 7.5	233,750	56.0
90076	Type 96	2670	95 x 7.5	326,895	73.4
90083	Type 99	2670	95 x 7.5	467,500	112.0

1. Locking grates available on request 2. Type 99 grate comprised of 2 pieces
3. Lifting tool available on request 4. Wheel loads are derived from AS3996 – 2006

WELDED BAR GRATE DATA Galvanised (hot dipped) steel



Part No.	To Suit	Nom. Wheel Load (kg)	Grid Size (mm)	Intake Area (mm ²)	Weight (kg)
78665	Type 33	2670	95 x 25	70,500	3.4
78682	Type 45	2670	95 x 35	170,000	9.8
78710	Type 66/ 66H	2670	95 x 35	307,090	16.1
78731	Type 95	2670	95 x 35	342,125	18.5
78748	Type 96	2670	95 x 25	456,475	30.0
78755	Type 99	2670	95 x 35	700,800	52.5

1. Locking grates available on request 2. Wheel loads are derived from AS3996 – 2006

77624	Type 45	5000	95 x 35	170,000	13.9
77645	Type 66/66H	5000	95 x 35	307,090	24.3
77662	Type 95	5000	95 x 35	342,125	27.9
74478	Type 96	5000	95 x 25	456,475	36.0
77683	Type 99	5000	95 x 25	683,280	66.7

1. Locking grates available on request 2. Wheel loads are derived from AS3996 – 2006

DRAIN PIT & RISER DATA

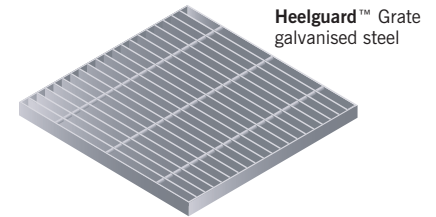
Pit Part No.	Description	Dimensions (l x w x d)	Weight (kg)	Riser (300mm deep)	
				Part No.	Description
77003	Type 33 Pit	300 x 300 x 450	19.0	77031	Type 33 Riser
77024	Type 45 Pit	450 x 450 x 600	45.0	77048	Type 45 Riser
77076	Type 66 Pit	600 x 600 x 600	62.0	77062	Type 66 Riser
77010	Type 66H Pit	600 x 600 x 900	116.0	77062	Type 66 Riser
77055	Type 95 Pit	900 x 500 x 600	84.0	77093	Type 95 Riser
74432	Type 96 Pit	900 x 600 x 600	95.0	74447	Type 96 Riser
76999	Type 99 Pit	900 x 900 x 500	147.0	77089	Type 99 Riser

1. For drillout details contact ACO

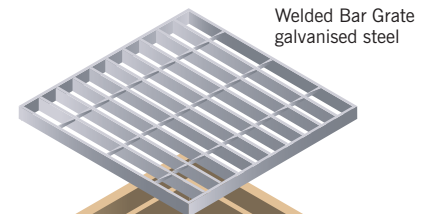
2. More than one riser can be used if required



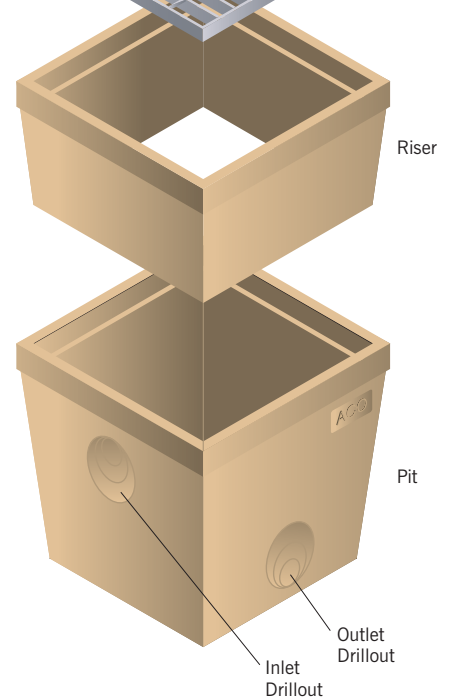
Heelguard™ Antislip Grate stainless steel



Heelguard™ Grate galvanised steel



Welded Bar Grate galvanised steel



Riser

Pit

Inlet Drillout
Outlet Drillout



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