

- TAP BOLLARDS • KIDSAFE GRATES
- HEEL GUARD • STORMWATER PITS
- STORMWATER CHANNELS



halgan pty ltd  
[halgan.com.au](http://halgan.com.au)



# Kidsafe Grates

**Kidsafe Grates** reduce the risk of accidents that occur with metal grates. Sharp metal edges cause deep cuts, bikes tyres get caught, high heel shoes get stuck and keys slip down metal grates. With **Kidsafe Grates**, children can play with out getting injured, bikes glide over them, and high heels don't dig in.

**Kidsafe Grates** are ideal for areas where stormwater pits and gully traps are needed, from garages, basements and roads, to pools and driveways, and for added safety and security the lids are lockable and heel proof.

They are made from durable anti-shock PVC. The grates have a raised non-slip walking surface and self extinguishing characteristics. The PVC is resistant to ice, chemical and atmospheric agents and come in a range of sizes and load bearing capacities.

# Halgan Heel Guard Grates

Halgan **Heel Guard** is a safe, slip resistant architectural finish grate that is ideal for public spaces. High heel shoes cannot penetrate thus reducing trip hazards which may result in costly law suits. All have a raised non-slip walking surface and have self extinguishing characteristics.

**Range of Sizes** 600 x 600 450 x 450 300 x 300 200 x 200

# Tap Bollard

Taps attached to stakes look bad, are susceptible to vandalism and damage, and pose a significant injury risk for children in playgrounds. Halgan **Tap Bollards** are the answer.

Halgan's **Tap Bollards** are:

- highly visible
- safe
- all in one durable design
- low maintenance and long lasting
- made from uv stabilised recyclable polyethylene
- easy installation
- in-built lug for concreting or bolting

Colour coded for specific uses:

- *dark green* for rainwater
- *yellow* for high visibility
- *purple* for recycled water
- *white* for parks / councils
- *glow in the dark* for public areas
- *custom colours* available on request

# Halgan Storm water and Electrical Pits

Halgan offers drainage systems for any situation where well boxes and gully traps are needed, from garages, basements and roads, to pools and driveways, and for added safety and security the lids are lockable.

- Lightweight
- Easy to install
- Heel Proof lids
- Suitable for pedestrian, cycling & trafficable areas
- Durable
- Antishock PVC
- Lockable

**Range of Sizes** 600 x 600 450 x 450 300 x 300 200 x 200

Halgan Pits come with a wide range of antishock PVC grates, lids and frames. All have a raised non-slip walking surface and have self extinguishing characteristics which make them ideal for electrical installations. The PVC is anti-shock, making it resistant to ice, chemical and atmospheric agents. Lids and grates come in light duty and medium duty for a range of trafficable areas.

## STORMWATER PITS, GRATES AND SOLID TOPS

CODE	DESCRIPTION	COLOUR	LOADING
PZ20SG20PP	Halgan Storm water pit 200 mm w/- 200 Light Duty PVC GRATE	Grey	1 Tonne
PZ20SGD20G	Halgan Storm water pit 200 mm w/- 200 Kidsafe (Heel Guard) PVC GRATE	Grey	3.0 Tonne
PZ30SGP30G	Halgan Storm water pit 300 mm w/- 300 Light Duty PVC GRATE	Grey	1.9 Tonne
PZ30SG30G	Halgan Storm water pit 300 mm w/- 300 Medium Duty PVC GRATE	Grey	4.1 Tonne
PZ30SG30V	Halgan Storm water pit 300 mm w/- 300 Medium Duty PVC GRATE	Green	4.1 Tonne
PZ30SGD30G	Halgan Storm water pit 300 mm w/- 300 Kidsafe (Heel Guard) PVC GRATE	Grey	6.5 Tonne
PZ30SD30G	Halgan Storm water pit 300 mm w/- 300 Medium Duty PVC SOLID TOP	Grey	7.1 Tonne
PZ30SD30V	Halgan Storm water pit 300 mm w/- 300 Medium Duty PVC SOLID TOP	Green	7.1 Tonne
PZ40SGP40G	Halgan Storm water pit 400 mm w/- 400 Light Duty PVC GRATE	Grey	1.4 Tonne
PZ40SG40G	Halgan Storm water pit 400 mm w/- 400 Medium Duty PVC GRATE	Grey	3.7 Tonne
PZ40SGD40G	Halgan Storm water pit 400 mm w/- 400 Kidsafe (Heel Guard) PVC GRATE	Grey	8.5 Tonne
PZ40SCD45G	Halgan Storm water pit 400 mm w/- 400 Heavy Duty PVC SOLID TOP	Grey	12.5 Tonne
PZ45SGP45G	Halgan Storm water pit 450 mm w/- 450 Light Duty PVC GRATE	Grey	1.4 Tonne
PZ45SG45G	Halgan Storm water pit 450 mm w/- 450 Medium Duty PVC GRATE	Grey	3.7 Tonne
PZ45SGD45G	Halgan Storm water pit 450 mm w/- 450 Kidsafe (Heel Guard) PVC GRATE	Grey	8.5 Tonne
PZ45SCD45G	Halgan Storm water pit 450 mm w/- 450 Medium Duty PVC SOLID TOP	Grey	9.0 Tonne
ST45	Frame 450 x 450 mm	Grey	
PZ55SGP55G	Halgan Storm water pit 600 mm w/- 600 Light Duty PVC GRATE	Grey	2.8 Tonne
PZ55SG55G	Halgan Storm water pit 600 mm w/- 600 Medium Duty PVC GRATE	Grey	6.4 Tonne
PZ55SGD55G	Halgan Storm water pit 600 mm w/- 600 Kidsafe (Heel Guard) PVC GRATE	Grey	7.0 Tonne
PZ55SCD55G	Halgan Storm water pit 600 mm w/- 600 Medium Duty PVC SOLID TOP	Grey	7.5 Tonne
ST55	Frame 600 x 600 mm	Grey	

## STORMWATER CHANNEL

CODE	DESCRIPTION	COLOUR	LOADING
SGR100G	HALGAN Grate L/D 100 mm (w) x 500 mm (L) PVC	Grey	7.2 Tonne
PCF1020G	HALGAN Slotted Grate 100 mm (w) x 20 mm (h) x 500 mm (L)	Grey	1.5 Tonne
PCF1090G	HALGAN Slotted Grate 100 mm (w) x 90 mm (h) x 500 mm (L)	Grey	7.0 Tonne
PCF1014G	HALGAN Slotted Grate 100 mm (w) x 140 mm (h) x 500 mm (L)	Grey	13.0 Tonne
CSA100	HALGAN Channel 100 mm (w) x 100 mm (h) x 1000 mm (L) PVC	Grey	
TCA 100	HALGAN Stop End Connector PVC	Grey	
CGR200LG	HALGAN Grate L/D 200 mm (w) x 500 mm (L) PVC	Grey	3.1 Tonne
CGR200SG	HALGAN Grate M/D 200 mm (w) x 500 mm (L) PVC	Grey	7.7 Tonne
GRP200G	HALGAN POOL Grate L/D 200 mm (w) x 500 mm (L) PVC	Grey	1.1 Tonne
CSA200	HALGAN Channel 200 mm (w) x 175 mm (h) x 500 mm (L) PVC	Grey	
TCA 200	HALGAN Stop End Connector PVC	Grey	
CGR300LG	HALGAN Grate L/D 300 mm (w) x 500 mm (L) PVC	Grey	3.2 Tonne
CRG300SG	HALGAN Grate M/D 300 mm (w) x 500 mm (L) PVC	Grey	7.0 Tonne
CSA300	HALGAN Channel 300 mm (w) x 265 mm (h) x 500 mm (L) PVC	Grey	
TCA 300	HALGAN Stop End Connector PVC	Grey	
CGR400LG	HALGAN Grate L/D 400 mm (w) x 500 mm (L) PVC	Grey	5.3 Tonne
CRG400SG	HALGAN Grate M/D 400 mm (w) x 500 mm (L) PVC	Grey	9.0 Tonne
CSA400	HALGAN Channel 400 mm (w) x 265 mm (h) x 500 mm (L) PVC	Grey	
TCA 300	HALGAN Stop End Connector PVC – 150 mm outlet	Grey	
BGP	Security lock down screws for grate		
GUS 30	Sealing Gasket 70 – 125 mm		

## Rainwater Silt and Leaf traps

CODE	DESCRIPTION	COLOUR	LOADING
PSP 161	Halgan Silt Trap, 165 mm (w) x 210 mm (h) x 320 mm (L)	Grey	
PSPV 161	Halgan Leaf Trap 165 mm (w) x 110 mm (h) x 320 mm (L)	Grey	

## Electrical Pit

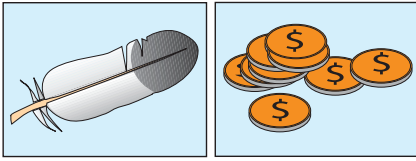
CODE	DESCRIPTION	COLOUR	LOADING
PZRE3050	HALGAN Electrical Pit 300 mm (w) x 400 mm (h) x 500 mm (L) PVC	Grey	
SCP3050G	HALGAN Light Duty Cover 300 mm (w) x 500 mm (L)	Grey	1.3 Tonne
SC3050G	HALGAN Medium Duty Cover 300 mm (w) x 500 mm (L)	Grey	7.9 Tonne
GUD3050	Sealing Gasket		

Tap Bollard – Tap not included. Standard colours, Green, White, Yellow, Glow In the Dark. Other colours available.

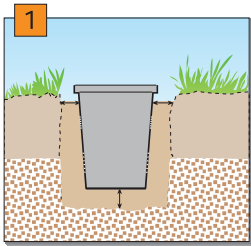
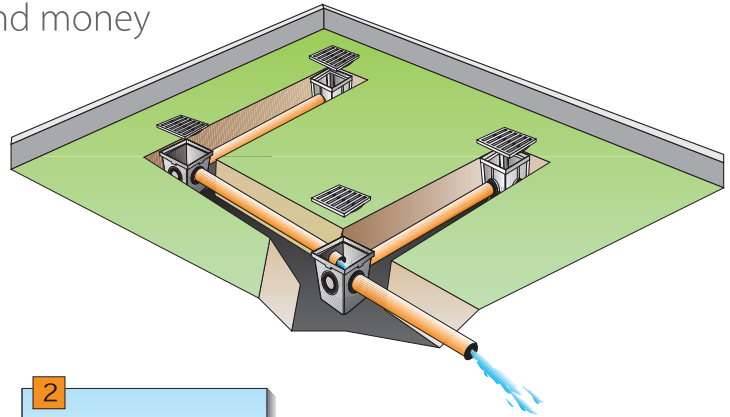
CODE	DESCRIPTION	COLOUR
TAPB	Tap Bollard with single 20 mm tap connection	Standard
TAPBB	Tap Bollard with single 20 mm tap and bubbler connection	Standard
TAPBD	Tap Bollard with dual 20 mm tap connection	Standard
TAPBR	Tap Bollard with single 20 mm tap connection for Recycled Water	Lilac

# Installation

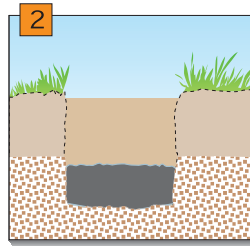
Installation is simple, saving time and money



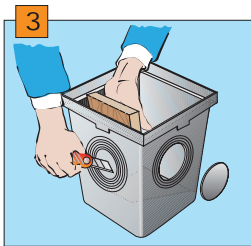
Lightness and Saving



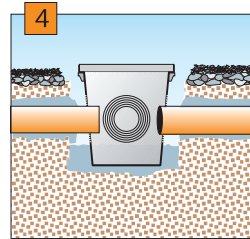
1 Establish the surface drainage point and/or inspection point. The Halgan Storm Water Pit is not load bearing. For vehicular traffic applications no less than 100 – 150 mm concrete to be installed around the Storm Water Pit.



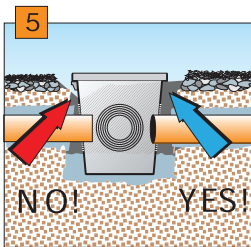
2 Lay a cement bed to prepare the base of the Storm Water Pit.



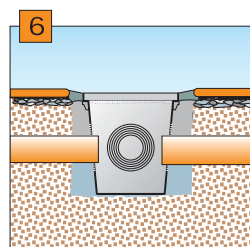
3 Cut out the correct grooved hole to suit the pipe size. Place an object (*preferable piece of timber*) on the opposite side in order to avoid accidental breakage or damage.



4 Install the pipe and seal with sealant or install GUB sealing rubber. Installed grate or lid.



5 Fill around the Storm Water Pit with sand/cement mix so all the spaces are filled in. As the Storm Water Pit is not load bearing but will become so when the Storm Water Pit is installed correctly.



6 For paved areas finish the paving slightly higher than the grate/cover. For asphalt areas, place cold asphalt around the Storm Water Pit edge to prevent the hot bitumen altering the aesthetic appearance of the product.

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