

# 65G100 Special Assembly Product Information



## 65 G100

### Special Assembly (100mm Drainpipe with 65G PVC Channel)

#### Product Description

The 65G100 Stormtech Special Assembly channel has spigots at 200mm centres connected via downpipes of varying length to sockets in a 100mm drainpipe below.

This allows the channel to be installed level while the drainpipe is given sufficient fall to be self-cleaning.

This product is used in areas in need of superior rates of drainage, where the standard 66 with an outlet every 2 meters will not allow the removal of large enough quantities of water.

To complete the Special Assembly you can either use the 65A Architectural grate or the 65D Perforated grate.

The Special Assembly is the preferred drain for pool surrounds, courtyards and large level areas such as pedestrian areas, sporting grounds or car parks.

#### Product Applications

[Suspended Slabs and Balconies](#)

[Thresholds and Doortracks](#)

[Driveways](#)

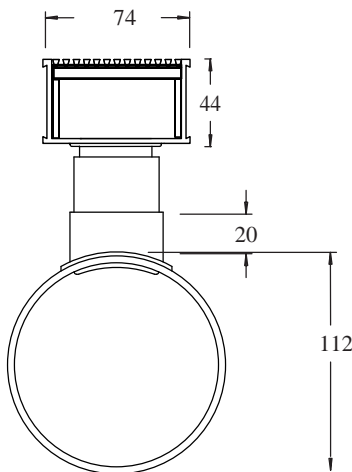
[Pools and Paved Areas](#)

[Patios, Courtyards and Terraces](#)

[Commercial Applications and Large Scale Projects](#)

[Special Needs Access](#)

Product Diagram

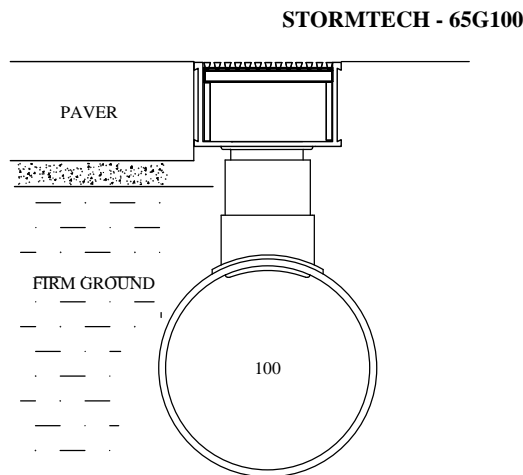


## Pages:

1. Slab on ground
2. Suspended Slab
3. Hydraulic Guide

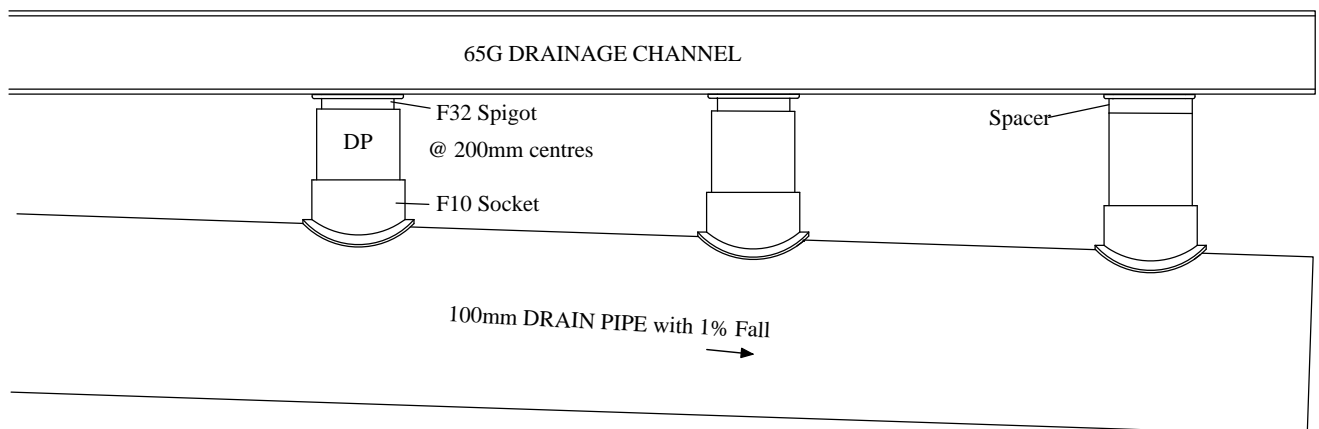
# 65G100 Special Assembly

## Slab on Ground



The Channel and Pavers should be laid on a bed of mortar.

Perforated Grates filter out leaves & debris over 6.35mm...This could reduce the fluid intake...Sand & fine particles that accumulate in the Channel should be eroded by water flowing into the Spigots every 200mm... Drain Pipes with 1 % fall require little or NO MAINTENANCE...however ... PROVIDE ACCESS TO DRAIN PIPES for cleaning. Do not use electric eels.  
 WHEEL LOAD = concrete/paving strength. SAFE with high heels and fork lift trucks.  
 DRAINAGE CAPACITY = 2.5 L/s metre.  
 FULL FLOW of Drain Pipes 100 = 10 L/s.;



Each 3m length of Drain is supplied with one 3m length of 40mm DWV cut the pipe to the length required.  
 Installation normally starts at outlet with longest DP's.

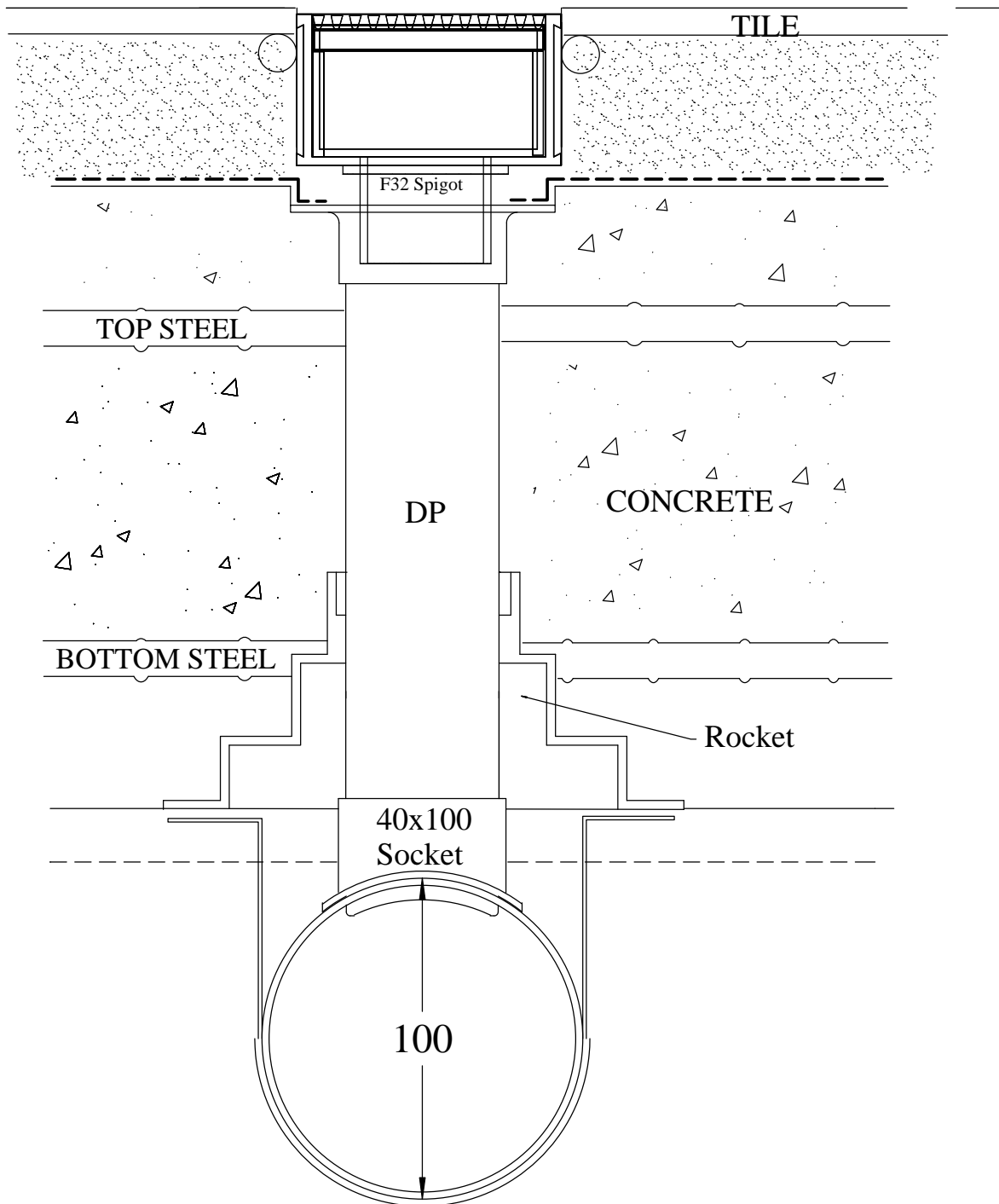
ASSEMBLE 1st. length of Drain ; Glue DP's in pipe Sockets with PVC solvent cement.  
 Place Spacer over 1st. Spigot and align with DP. Fit Spigots in DP's.

ASSEMBLE remaining lengths of Drain. Cut last Drain to length required.  
 CUT Channels or drain pipes, so that Channels butt together..Join pipes with standard fittings.  
 POSITION Drains in trench, install Grates (or timber form).  
 GLUE Joiners in rebated sides of Channels .(x) Glue Stop Ends in Channel .  
 ADJUST to string line and secure Channel to DP's with glue every metre. (x).  
 (x) Do not glue if Channels are to be removed , for safe keeping , until needed in topping.  
 COVER Grates with tape..Installation MUST BE SECURE or it will move when concreting.  
 HANDLE WITH CARE. Spigots and Sockets can be broken off..(repair with solvent cement)  
 SUNLIGHT may cause Drains to bend before they are installed.

# 65G100 Special Assembly

## Suspended Slab

### STORMTECH - 65AG100



# STORMTECH Pty Ltd

## Architectural grates & drains

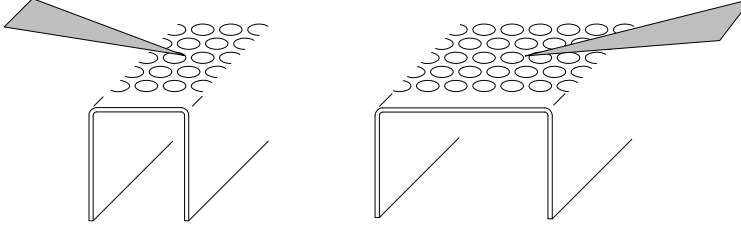
www.stormtech.com.au

### HYDRAULIC GUIDE

INTAKE Through Grate.  
2.5 L/s. metre

(little or no water crossing)

INTAKE Through Grate.  
4. L/s. metre



38G

65G

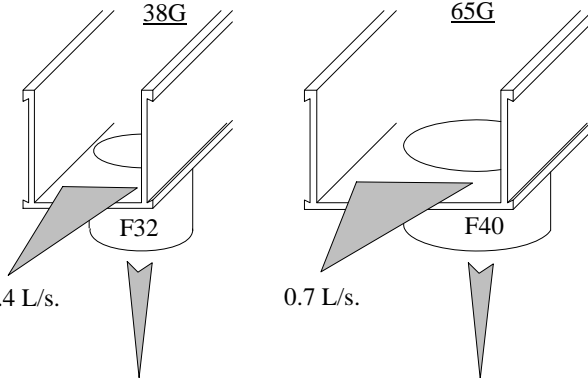
DISCHARGE

One End. 0.4 L/s.

One Spigot. 0.5 L/s.

0.7 L/s.

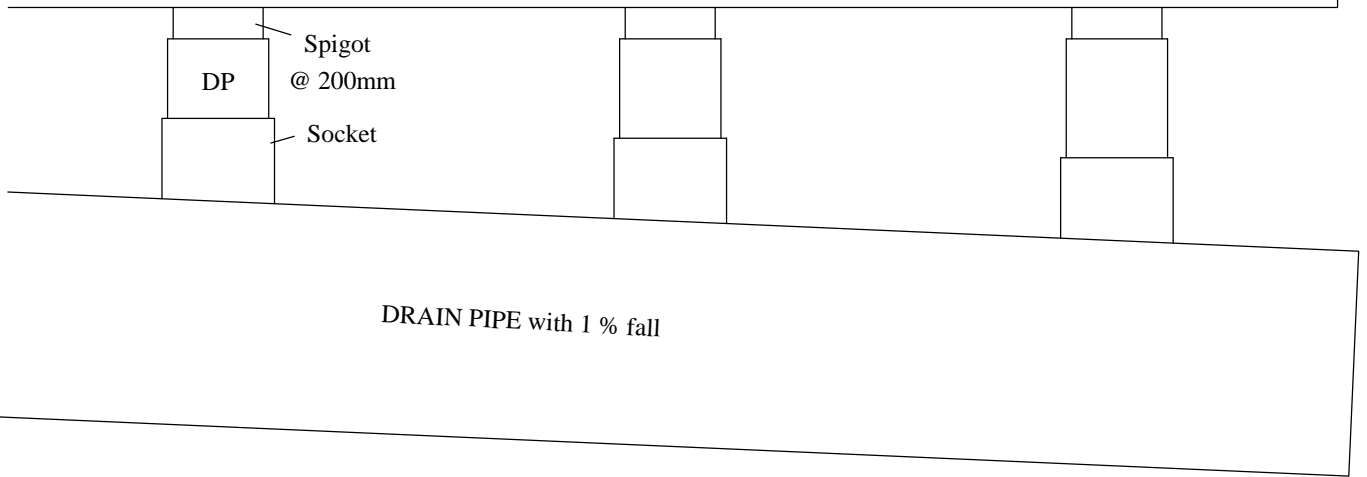
1.0 L/s.



### Special Assembly

DISCHARGE 5 Spigots. F32 = 2.5 L/s. metre

GUTTER CHANNEL



DRAIN PIPE with 1 % fall

Drain Pipes (with 1% fall) 40mm = 0.7 L/s. 50 = 1.5 65 = 2.5 90 = 6 100 = 10 150 = 30. L/s. discharge.

$\frac{\text{AREA}}{3600} \times \text{RAINFALL} = \text{L/s.}$  eg.  $\frac{18\text{m}^2}{3600} \times 200\text{mm/hr.} = 1 \text{ L/s.}$

Brisbane 20 year = 239mm/hr. 100 year = 312mm/hr. rainfall.  
Sydney " = 212 " " = 277 "  
Melbourne " = 91 " " = 117 "

One Bathroom Tap delivers 0.3 L/s.

**NOTE This is only a guide.**