

# Rail track drainage catchpits



Demco TerraPit™ is the lightweight alternative to traditional concrete catchpits for use in the rail track drainage system. A modular system made from GRP, it is quick and easy to install and significantly cuts overall costs.

**Construction:** Glass fibre reinforced modular construction with smooth inner faces and patented ribbed outer surface.

**Loadings:** Suitable for installation directly under track and adjacent to sleepers with heavy duty mainline loadings.

**Design Life:** Minimum 30 years.

**Joints:** Open location joints for use with collector drains.

**Cover:** All sections will accept an approved steel or GRP cover. Location holes provided in top flange for locking if required.

**Compatibility:** TerraPit™ is not designed for use with concrete rings or existing bases.

**Fire Retardancy:** NFR version: Above ground applications.  
LS version: Confined space applications.

**Pipe Connections:** End connections will accept pipes up to 355mm OD using TerraPit™ EC connectors. Inlet positioned 25mm higher than outlet. Side wall connections can be made on site using SW adaptor kits.

**Installation:** Components must be installed in accordance with current TerraPit™ handling and installation instructions, available on request.

## Application

- A catchpit suitable for installation at regular intervals throughout the rail track drainage network with the function of collecting silt from drainage water.

## Features

- Modular lightweight GRP
- Quick and easy to install
- Major savings in installed costs
- Suitable for the heaviest freight lines
- Excellent life
- Corrosion & general chemical resistant
- Suitable for all depths
- No heavy lifting equipment required  
Maximum 2-man lift per section

## Design

TerraPit™ was developed using finite element analysis techniques to ensure it will meet the following standards:

- Network Rail NR/SP/TRK/9006
- LUL Engineering E3321 A4
- BS 5400 Part 2 LU Loadings

## Acceptance & Validation

- Network Rail Product Acceptance Certificate PA05/03709/T\*

\*Validation carried out by the specialist railways research institute at Birmingham University.



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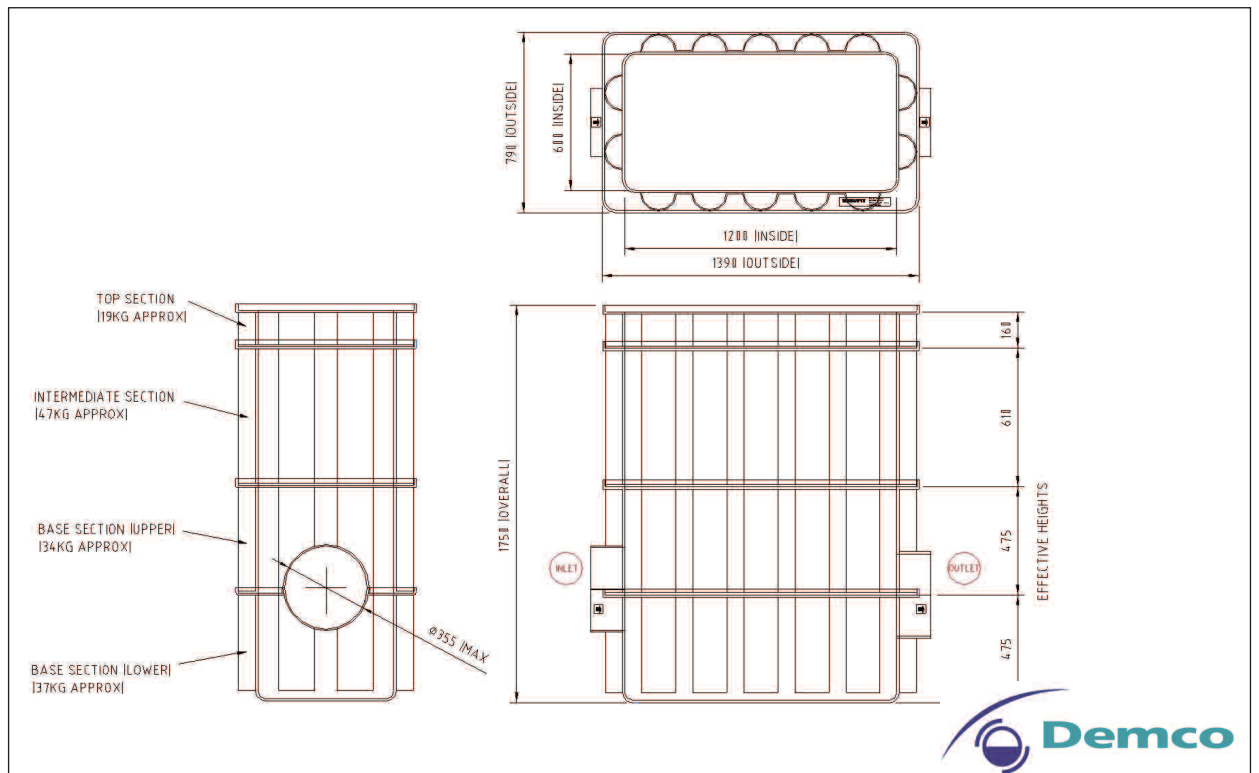
TERRAPIT™

## Specifications

COMPONENTS REQUIRED FOR GIVEN DEPTH			
UPPER & LOWER BASE QUANTITY	INTERMEDIATE SECTION QUANTITY	TOP SECTION QUANTITY	EFFECTIVE DEPTH mm
1 SET	0	0	950
1 SET	0	1	1110
1 SET	0	2	1270
1 SET	0	3	1430
1 SET	0	4	1590
1 SET	1	1	1720
1 SET	1	2	1880
1 SET	1	3	2040
1 SET	1	4	2200
1 SET	2	1	2330
1 SET	2	2	2490
1 SET	2	3	2650
1 SET	2	4	2810
1 SET	3	1	2940
1 SET	3	2	3100
1 SET	3	3	3260
1 SET	3	4	3420

## Ordering Information

DESCRIPTION	MGS PART NO	EFFECTIVE DEPTH mm	WEIGHT kg
Lower base	D100-001	475	37
Upper base	D100-002	475	34
Intermediate	D100-003	610	47
Top	D100-004	160	19
Inlet & Outlet Pipe Connection Kit			
OD 225	D100-020		
OD250	D100-021		
OD280	D100-022		
OD315	D100-023		
NB 1 pair of connectors for inlet & outlet pipes required per catchpit			
Side Wall installation Kit			
OD 180	D100-030		
OD 90	D100-031		



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