



Infrastructure Products Catalogue Energy

Energy]

BVCI manufacture and distribute a wide range of plastic and pre-cast concrete cable pits for the Energy sector.

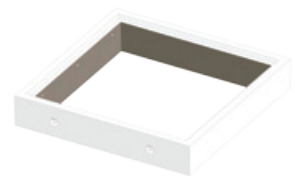
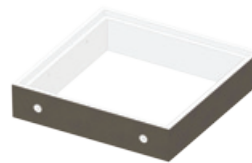
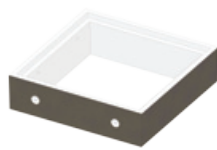
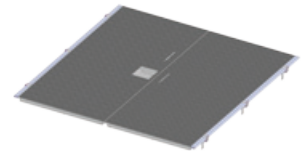
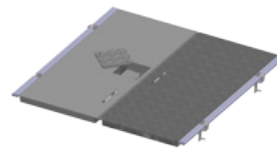
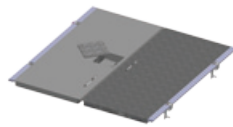
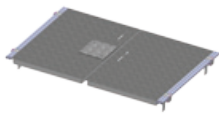
Each State has selective pit requirements for general LV and HV installations, whether they be standard pre-cast concrete or plastic cable pits, or special HV manhole style pulling or jointing pits, BVCI have the capability to both design and manufacture.

Special developments in which BVCI have worked closely with the Energy companies over recent years include Citipower in Victoria with the development of the large HV Multi-Pit, and Energy Aust (Energised Alliance) in NSW with large 2 part HV pit assemblies and roofs.

BVCI also specialise in the construction of pre-cast concrete roof encasements for all sizes of cable pulling or jointing pits and manholes using single or multiple galvanised steel or cast iron access cover assemblies.

Concrete Cable Pits

Energy

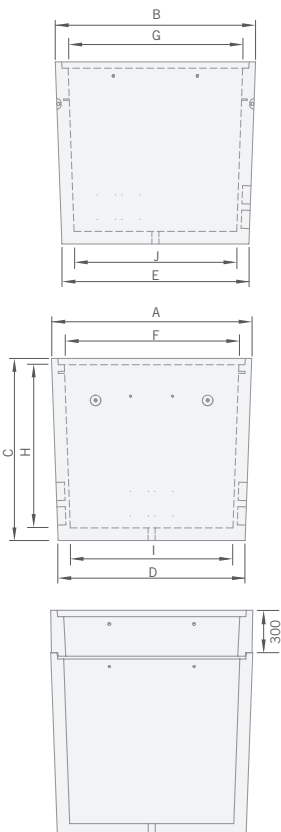


1000 x 600 x 1000
Product Code 524112

1000 x 1000 x 1195
Product Code 524113

1200 x 1200 x 1195
Product Code 524118

1500 x 1500 x 1500
Product Code 524114



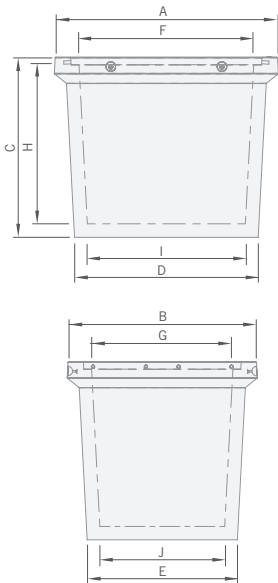
MANHOLE AND RISER ASSEMBLY CUT VIEW

Product Code (Pit only)	524112	524113	524118	524114
Dimensions	1000 x 600 x 1000	1000 x 1000 x 1195	1200 x 1200 x 1195	1500 x 1500 x 1500
A	1180	1180	1430	1750
B	780	1180	1430	1750
C	1090	1300	1300	1625
D	1090	1090	1335	1660
E	720	1090	1335	1660
F	996	997	1247	1497
G	597	997	1247	1497
H	955	1160	1165	1455
I	917	916	1162	1417
J	545	916	1162	1417

Please note: All pits are available with GMS hinged locking cover assemblies in Class B, C or D, or with concrete roof encasements incorporating cast iron access covers in Class B, C or D.
Riser extensions available for all pits - 300mm in height.

Concrete Cable Pits

Energy

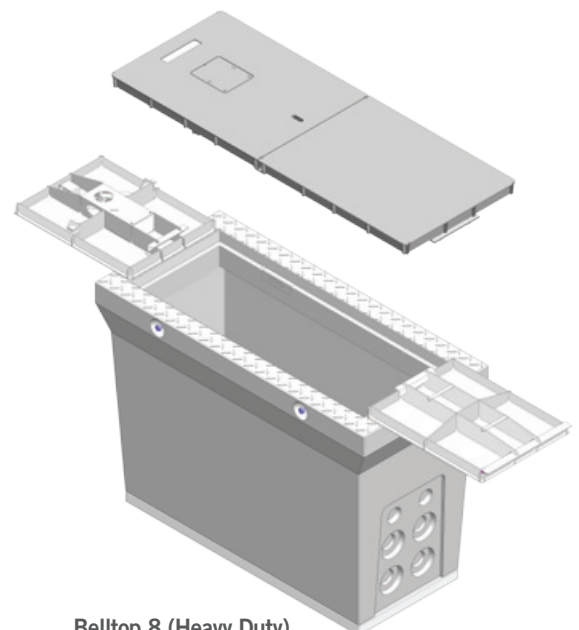
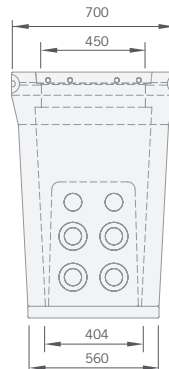
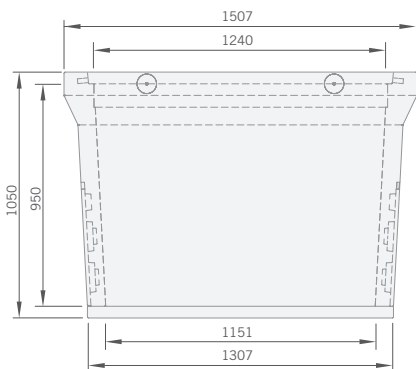


Product Code	591065
Dimensions	911 Bell Top
A	1410
B	1210
C	1135
D	1157
E	957
F	1100
G	900
H	995
I	995
J	795



1100 x 900 x 1050
Belltop 911 (Heavy Duty)
Product Code 591065

Please Note: Hinged SCEC Security locking covers are available (Class C or D)

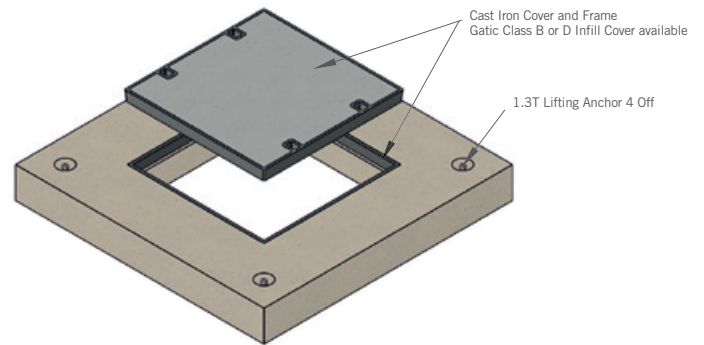
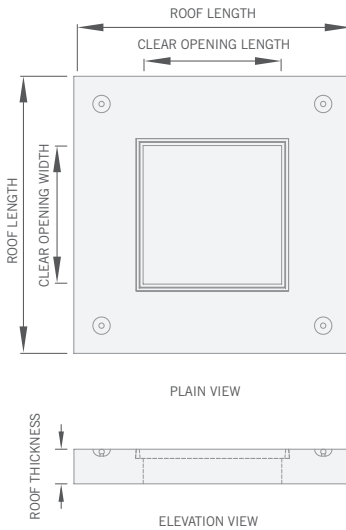


Belltop 8 (Heavy Duty)
Product Code 524170

Please note: Hinged and non hinged SCEC Security locking covers are available (Class C or D).

Cable Pit Roof Encasement

Energy

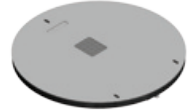
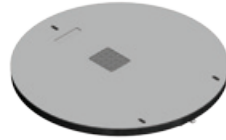


Pit Size	Precast Concrete Roof Slab		Cast Iron Covers & Frames / Frame Opening Size				
	Roof Length x Width	Roof Thickness	Clear Opening Length x Width	Class B		Class D	
		Class B / D		Thickness (mm)		Thickness (mm)	
				Frame	Cover	Frame	Cover
1500 x 1500 x 1500	1800 x 1800	150 / 200	750 x 750	48	37	89	73
1200 x 1200 x 1195	1500 x 1500	150 / 200	750 x 750	1750	37	89	73
1000 x 1000 x 1195	1300 x 1300	150 / 200	600 x 600	1625	37	89	73
1000 x 600 x 1000	1300 x 900	150 / 200	600 x 600	1660	37	89	73

Please note: Also available with GMS access covers in Class B, C or D.
Special encasement sizes to suit large special LV or HV cable pits or Jointing Bays available to order.

Service Plastic Pits

Energy



1050 dia Secure Cover
Product Code 321090
(locking lid)
Product Code 321100
(non-locking lid)

1050 dia Secure Cover
Product Code 321090
(locking lid)
Product Code 321100
(non-locking lid)

1050 dia Secure Ring - HD
Product Code 323100

1050 dia Secure Ring - HD
Product Code 323100

Pit 1050 x 1000
dia x 1050
Product Code 124121

Pit 1050 x 500
dia x 1050
Product Code 124121S

Product Code (pit only)	124121S	124121
Dimensions	1050 x 500	1050 x 1200
Diameter (Clear Opening)	975	975
Depth (Internal)	493	1170

Service Pit Gal Locking Cover
Product Code 124116

Service Pit (STD)
Product Code 124115

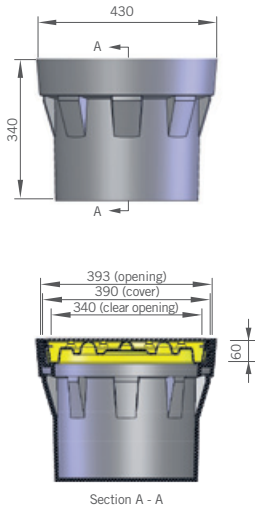
Service Pit Large
Product Code 124117



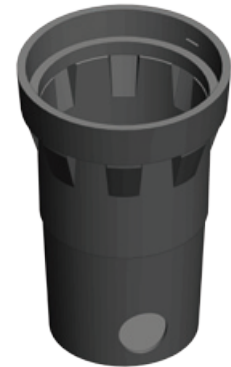
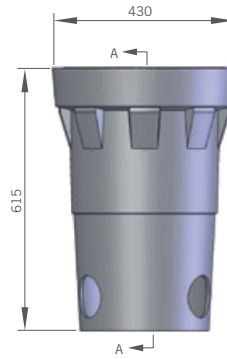
Product Code	124115	124117
Dimensions	dia 500 x 600	dia 500 x 830
Diameter (Clear Opening)	480	480
Depth (Internal)	535	837

Service Plastic Pits

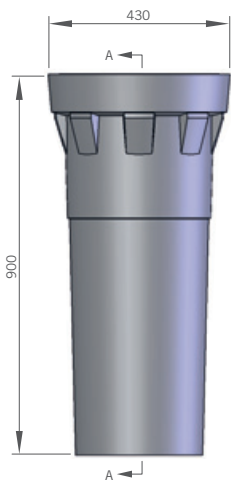
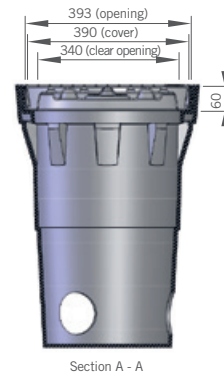
Energy



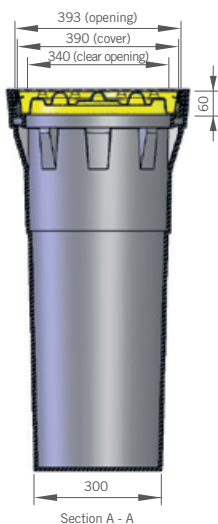
340mmD - 390mmD
 Product Code 124104 (Standard Pit)
 Product Code 124104S (Slotted Down Pit)



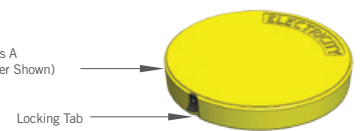
615mmD - 390mmD
 Product Code 124110 (Standard Pit)
 Product Code 124110S (Slotted Down Pit)



900mmD - 390mmD
 Product Code 124112 (Standard Pit)
 Product Code 124112S (Slotted Down Pit)



Option Plastic Locking Cover Class A
 Product Code 124005 (Plain Cover Shown)
 Weight 2kg



Option Concrete Cover Class A
 Product Code 5211070 (Plain Cover Shown)
 Weight 18kg
 Various naming types available



Option Cast Iron Cover Class B
 Product Code 300S3B (Plain Cover Shown)
 Weight 10kg
 Various nameplates available



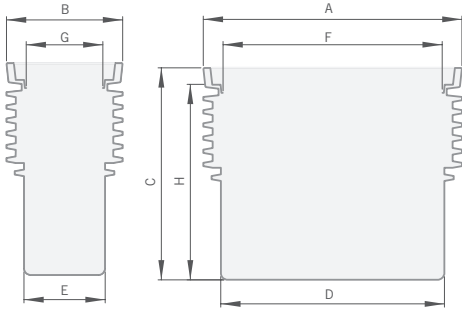
Option Galv.Steel Cover Class C
 Product Code 321110L (Standard Shown/Common)
 Weight 7kg
 Various nameplates available



Cover options

Plastic Cable Pits

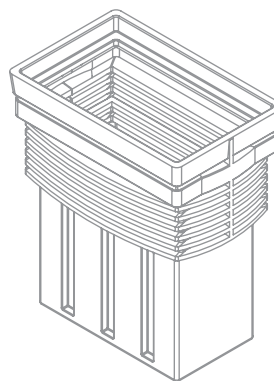
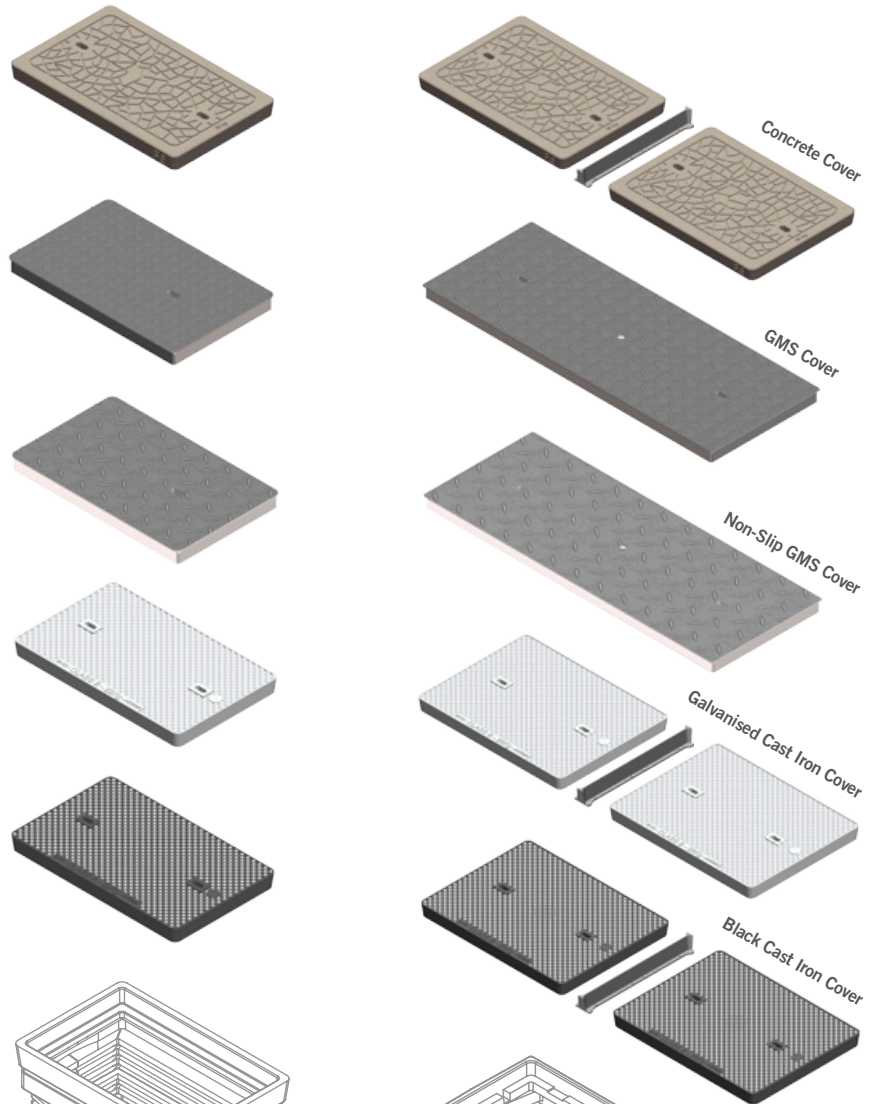
Energy



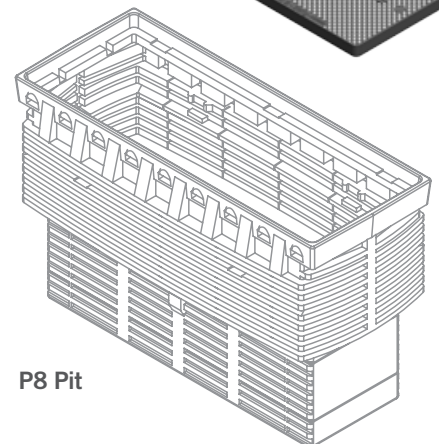
	P5-800 Dimensions	P8 Dimensions
A	700	1364
B	450	610
C	830	880
D	570	1200
E	320	410
F	580	1241
G	330	431
H	774	820

A x B x C x D x E - Overall Dimensions
F x G x H - Clear Opening Size

Please note: Plastic riser extensions available for P4, P5 and P6/8 Pits.
Other plastic pit sizes available.



P5-800 Pit

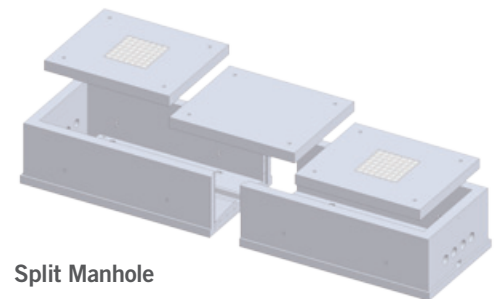
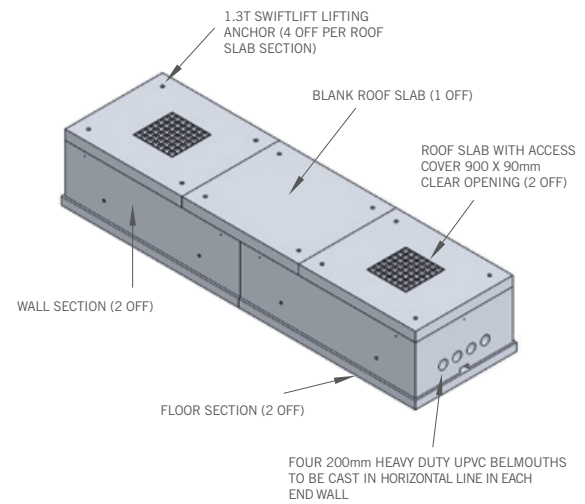
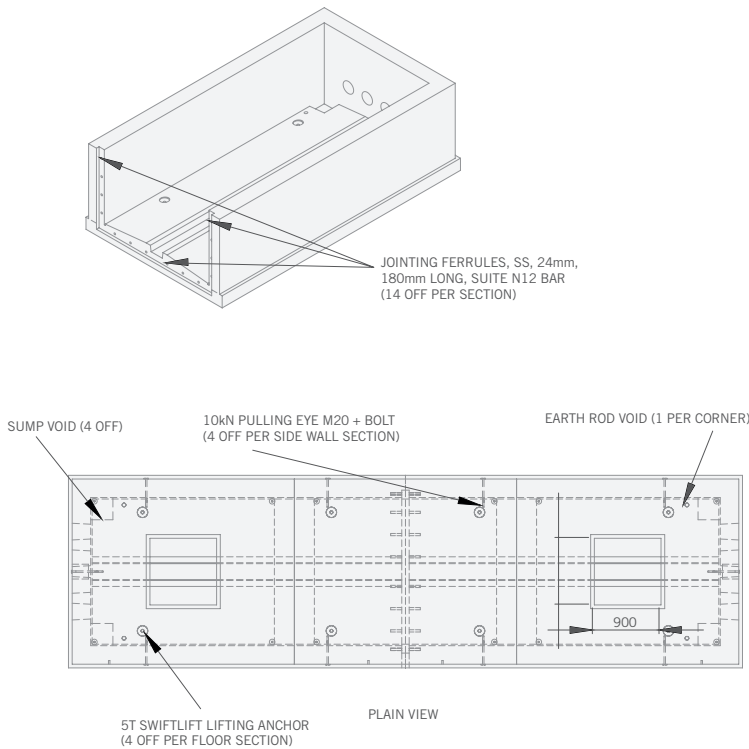


P8 Pit

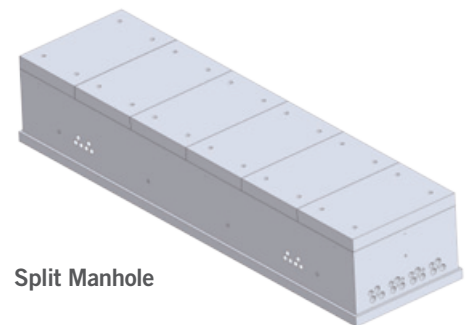
Special HV Manhole

Energy

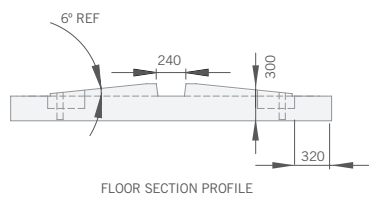
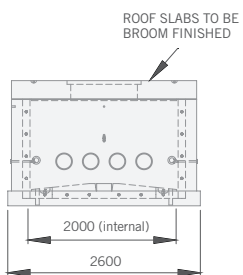
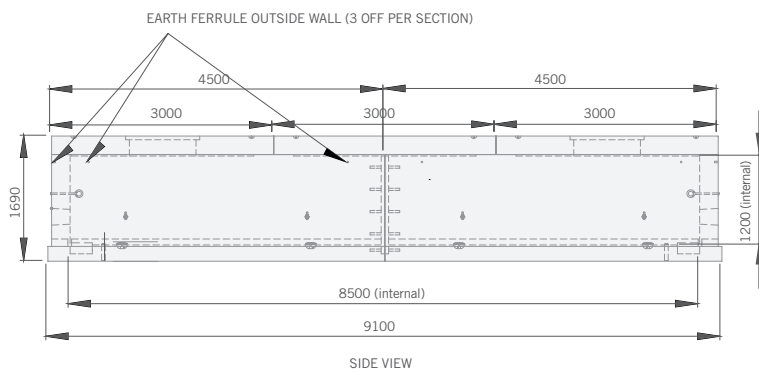
Designed and built to specification



Split Manhole



Split Manhole



Please note: Designed and constructed to meet customer's specified requirement as replacement of in-situ constructed alternative.

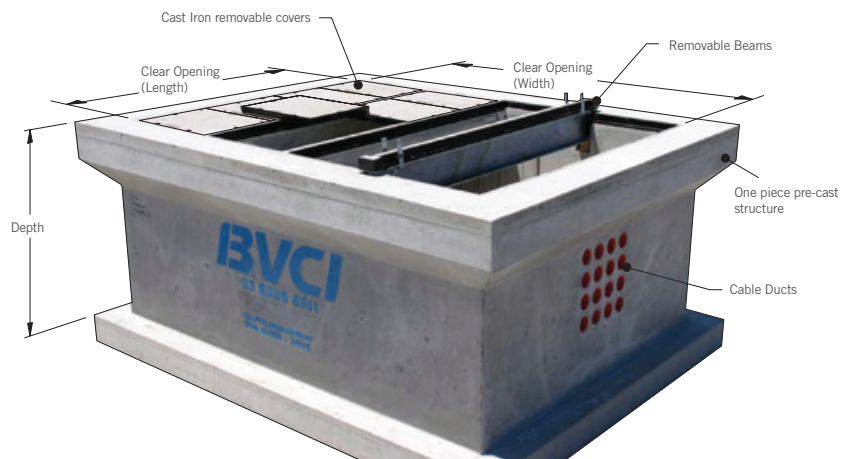
HV Chamber

Energy

Single Piece Construction

Extra Heavy Duty Series: Pre-cast Concrete Chamber & Access Cover System

An industry-first solution for a complete Pre-cast Concrete Chamber & Access Cover Assembly. One-piece construction dramatically reduces on-site installation time and effort, while ensuring a certified high quality durable structure. Typical applications include large electrical pits, transformers, access to large industrial equipment, container ports, pump wells and lift motor rooms.



Standard Range

Square and rectangular chamber clear openings (sizes outside this range are available on request):

Width	1500-4500
Length	1500-4500
("Length" is dimension parallel to the beam)	
Depth	2000

42 Tonne - 4m x 3m x 2m, 16 Cover
3 Beam Class D210kN Assembly

Designed and constructed in association with Citipower (Vic) and Multipipe Pty Ltd

Cast Iron Access Cover Superstructure Specification

AS3996:2006 loadings

- Complete open clear access removable beam and composite cover system.
- Machined metal surfaces for precision fit which preventing ingress of foreign particles.
- Cover and beam components supplied with lifting points for ease of removal and replacement.
- Covers manufactured from high strength Ductile Iron-Grade 500-7 AS1831.
- Removable steel support beams hot-dipped galvanised AS4680.

Please note: Also available with GMS access covers in Class B, C or D.
Special encasement sizes to suit large special LV or HV cable pits or Jointing Bays available to order.

Class Rating	Typical Use	Nominal Wheel Load (kg)	Servicability Design Load (kN)	Ultimate Limit State Design Load (kN)
D 210 kN	Carriageways of roads and areas open to commercial vehicles	8000	140	210
E 400 kN	General docks and aircraft pavements	13700	267	400
F 600 kN	Docks and aircraft pavements subject to high wheel loads	20000	400	600
G 900 kN	Docks and aircraft pavements subject to very high wheel loads	30000	600	900

Contacts]

Victoria

73 Carngham Road
Ballarat West, VIC 3351

T: 03 5335 8741
F: 03 5336 1118
E: info@bvci.com.au

Queensland

32 Macbarry Place
Rocklea, QLD 4106

T: 07 3717 8444
F: 07 3717 8445
E: info@bvci.com.au

New South Wales

8 Cavasinni Place
Wetherill Park, NSW 2164

T: 1800 065 356
F: 03 5336 1118
E: info@bvci.com.au

www.bvci.com.au