

INSTALLATION

TYPICAL INSTALLATION EZIPIT® 600 SEWER MAINTENANCE CHAMBER (MC) WITH OPTIONAL COVERS

OPTION 1 AND 2:

EZIPIT® 600 Maintenance Chamber with 'Top Hat' cover arrangement Class B or D

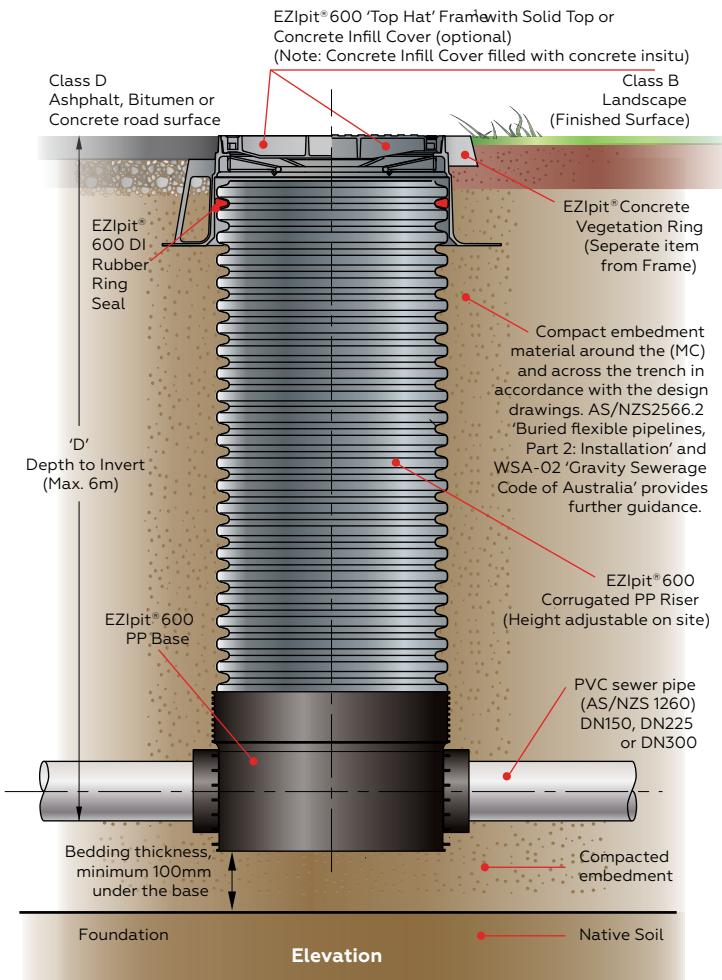


Figure 1: Typical Installation EZIPIT® 600 Maintenance Chamber (MC).

If specified, tilt 'Top Hat' cover to the required fall (Typically 1:50).
Note: All images are of a general nature only and not to scale. If critical, contact Iplex Pipelines.

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OPTION 3:

EZIPIT® 600 MC with GATIC® concrete encased cover arrangement Class B (Sloped surfaces)

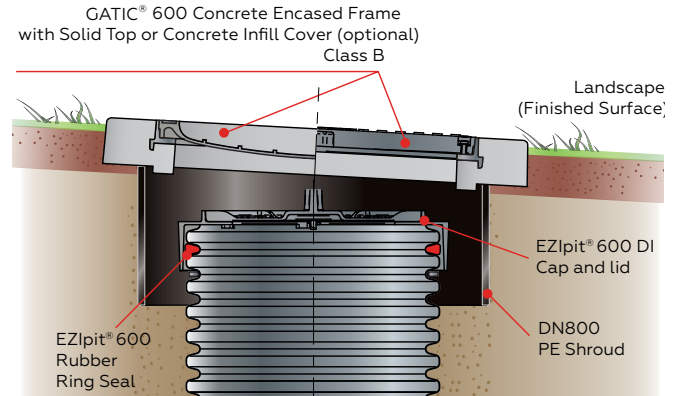


Figure 2: EZIPIT® 600 Cover arrangement (Sloped surfaces).

OPTION 4:

EZIPIT® 600 MC with Conventional cover arrangement Class B (Sloped surfaces)

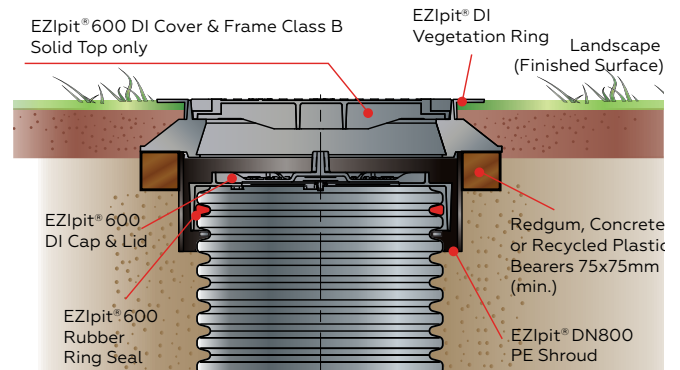


Figure 3: EZIPIT® 600 Conventional Cover arrangement Class B.

OPTION 5:

EZIPIT® 600 MC with Conventional cover arrangement Class D

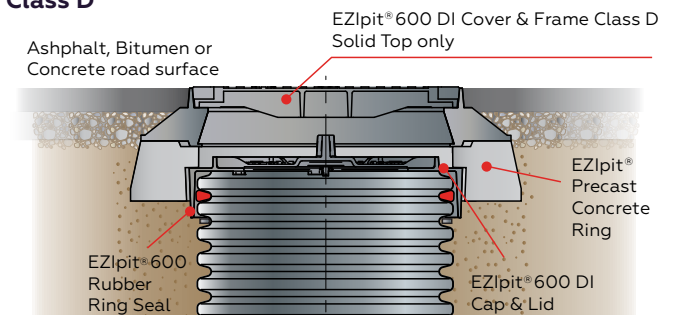


Figure 4: EZIPIT® 600 Conventional Cover arrangement Class D.



INSTALLATION

COVER SELECTION AND ASSEMBLY (GENERAL)

**Class B cover arrangements
(Non Trafficable Conditions)**

- Private properties
- Domestic driveways
- Footpaths
- Nature strips

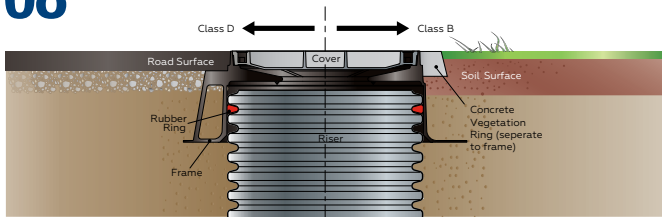
**Class D cover arrangements
(Trafficable Conditions)**

- Roadways
- Carparks
- Commercial / Industrial driveways
- Parklands, Reserves
- School grounds

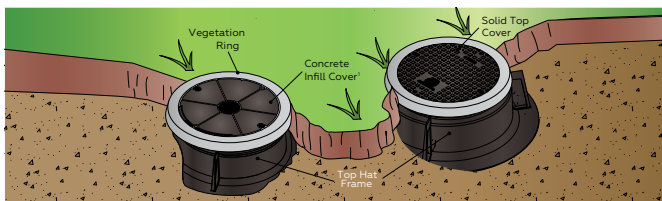
After assembling the EZIpit® 600 base and riser, (Steps 01 to 07) select the appropriate cover as specified and install as follows:

OPTION 1 AND 2:

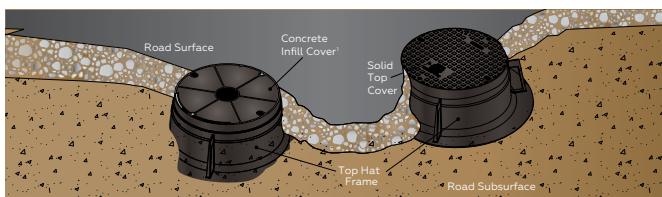
08 EZIpit® 600 MC with 'Top Hat' cover Class B or D¹



09 Class B 'Top Hat' Cover with Vegetation Ring
Finish off with soil as specified, to the finished surface level.



10 Class D 'Top Hat' Cover
Finish off with a top layer as specified to road surface.

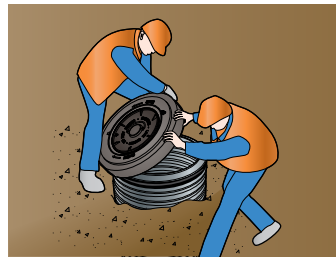


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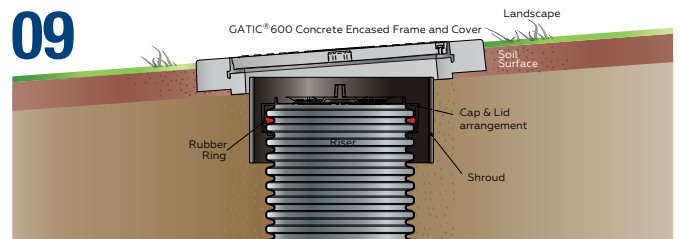
OPTION 3:

EZIpit® 600 MC with GATIC® 600 concrete encased frame and cover Class B (Sloped surfaces)

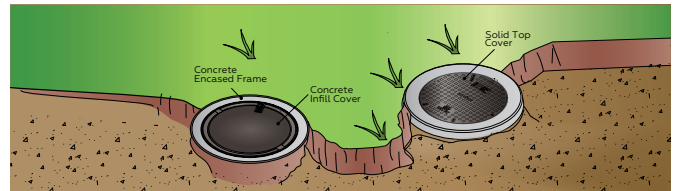
08 Apply Iplex pipe seal lubricant to the inside of the cap for ease of assembly. Place the EZIpit® cap on top of the riser. Push the cap down past the rubber ring. Remove the lid from the cap and apply Gatic sealing compound liberally to all vertical and horizontal seating surfaces of the lid and assemble on the cap.



Remove the lid from the cap and apply Gatic sealing compound liberally to all vertical and horizontal seating surfaces of the lid and assemble on the cap.



10 Finish off with soil as specified, to the finished surface level.



Note: Concrete Infill or Solid Top covers are optional and can be specified in accordance with local requirements. ¹'Top Hat' infill covers are concrete encased insitu.

CONCRETE INFILL AND CURING

With the exception of solid top covers, all 'Top Hat' covers must be filled with structural grade concrete. Refer to AS 3996 for additional information. This is essential if the full strength potential of these covers is to be realised. Concrete infill must be poured and allowed to cure with covers installed in the frame. Refer to GATIC® Product Catalogue, 'Access covers, grates and accessories for installation guidelines'.

¹ If specified, tilt 'Top Hat' cover to the required fall (Typically 1:50).
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EZIPIT®

INSTALLATION

EZIPIT® 600 CONVENTIONAL COVER ASSEMBLY CLASS B AND CLASS D

After assembling the EZIpit® 600 base and riser, (Section 3.1.1 Steps **01** to **07**) select the appropriate cover as specified and install as follows:

OPTION 4:

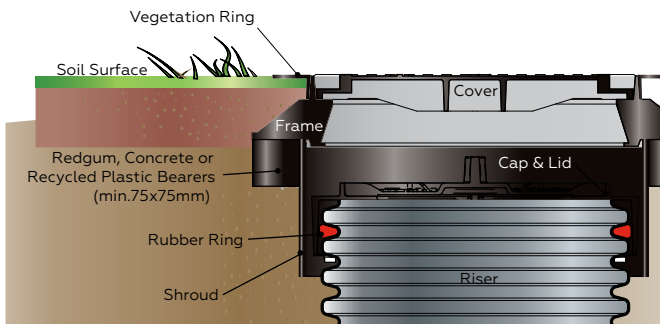
EZIpit® 600 MC with Conventional cover arrangement Class B

08 Apply Iplex pipe seal lubricant to the inside of the cap for ease of assembly. Place the EZIpit®

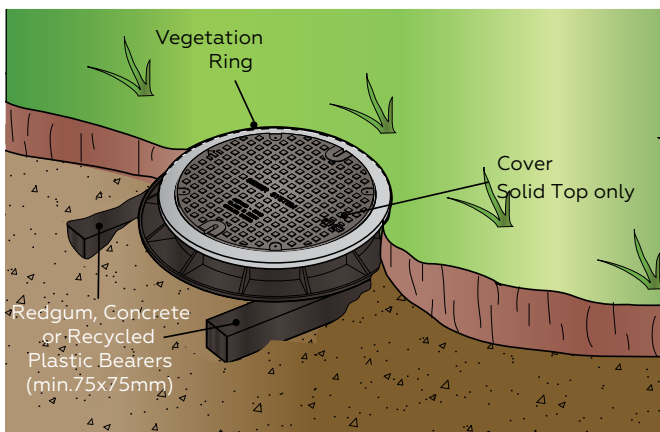


Cap on top of the riser. Push the cap down past the rubber ring. Remove the lid from the cap and apply Gatic sealing compound liberally to all vertical and horizontal seating surfaces of the lid and assemble on the cap.

09 Assemble the shroud and bearers as specified and install the frame & cover.



10 Finish off with soil as specified, to the finished surface level.



OPTION 5:

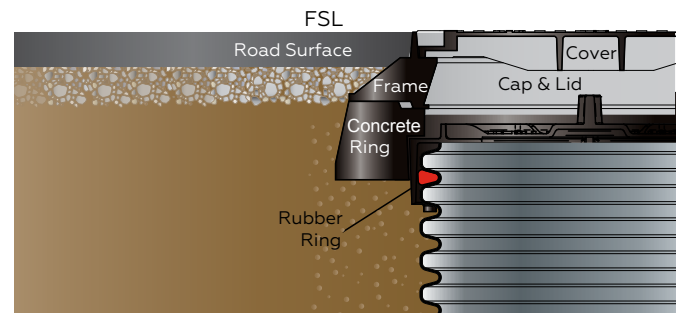
EZIpit® 600 MC with Conventional cover arrangement Class D

08 Apply Iplex pipe seal lubricant to the inside of the cap for ease of assembly. Place the EZIpit®

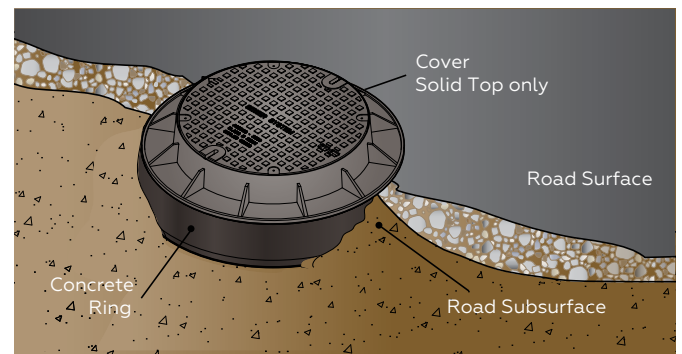


cap on top of the riser. Push the cap down past the rubber ring. Remove the lid from the cap and apply Gatic sealing compound liberally to all vertical and horizontal seating surfaces of the lid and assemble on the cap.

09 Install the concrete support ring above the cap and adjust correctly. Assemble the frame and cover on the concrete support ring.



10 Finish off with soil as specified, to the road surface.



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INSTALLATION

EZIPIT® 600 FIELD HEIGHT ADJUSTMENT

The length of the corrugated riser 'L' can be calculated using the following formulae and critical dimensions.

OPTION 1 AND 2:

EZIPit® 600 MC with 'Top Hat' Cover Arrangement Class B or D

$L = D - B - 120\text{mm}$

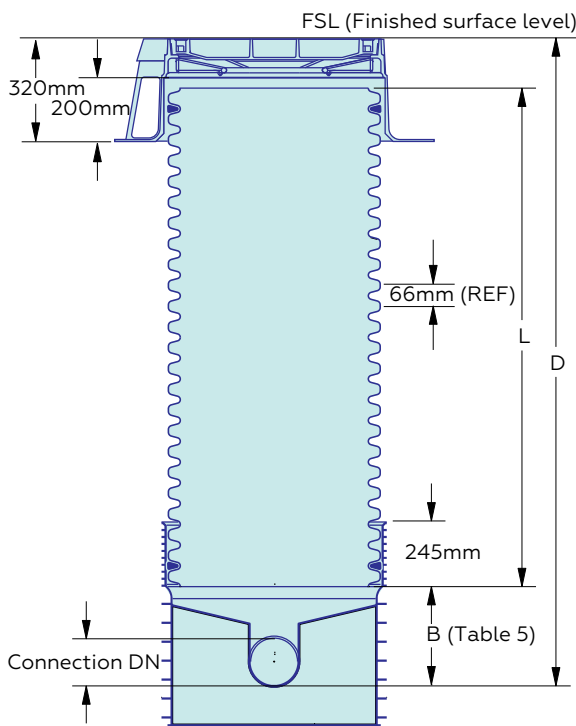


Figure 5

OPTION 3:

EZIPit® 600 MC with GATIC® 600 Concrete Encased Frame and Cover (Sloped surfaces) Class B

$L = D - B - 225\text{mm}$

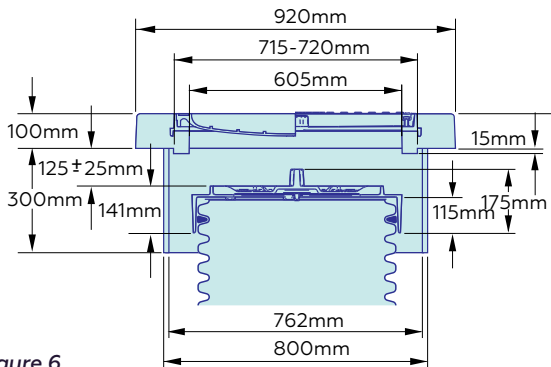


Figure 6

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OPTION 4:

EZIPit® 600 MC with Conventional Cover Arrangement Class B

$L = D - B - 175\text{mm}$

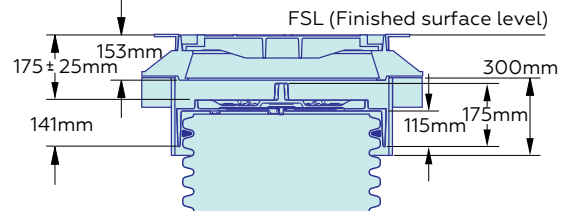


Figure 7

OPTION 5:

EZIPit® 600 MC with Conventional Cover Arrangement Class D

$L = D - B - 206\text{mm}$

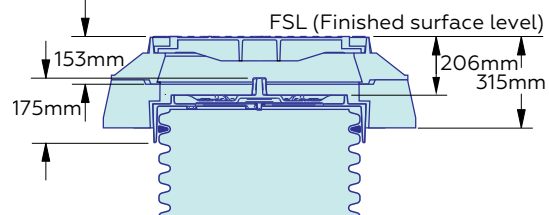


Figure 8

TABLE 1: EZIPIT® 600 BASE DIMENSIONS

Connection (DN)	Base Height B (mm)
DN150	346
DN225	390
DN300	419

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INSTALLATION

**EZIPIT® SHAFT OR CHAMBER INFLOW FIELD HEIGHT ADJUSTMENT
(CONNECTION VIA CORRUGATED RISER)**

The length of the corrugated riser 'L' can be calculated using the following formulae and critical dimensions.

**EZIPit® 600 Sewer Maintenance Chamber Assembly
with Riser Junction (Branch Connection)**

Guidelines for Assembly:

- a) Determine depth to invert from the surface to the Base (D1) and the invert of the Branch Spigot (D2)
- b) Determine the height of the Base (B). (Ref Table 1)
- c) Determine the length (L₁)

$$L_1 = D_2 - B$$

- d) Cut the corrugated riser with Branch Spigot from the bottom end to length (L₁). Step **05**

- e) Determine adjusted length 'A'

$$A = L_1 + 600\text{mm}$$

- f) Determine length of the Top Riser (L₂)

$$L_2 = D_1 - B - A - T$$

- g) Cut the residual piece to length for the Top Riser. Step **05**

- h) Assemble the sealing ring on the bottom corrugation of the riser only

- i) Assemble the corrugated riser with Branch Spigot on the Base and push down

- j) Assemble the sealing ring **06** on the bottom corrugation of the Top Riser and push the Top Riser down into the socket

- k) Assemble the cover assembly on the Top Riser. **08, 09** and **10**

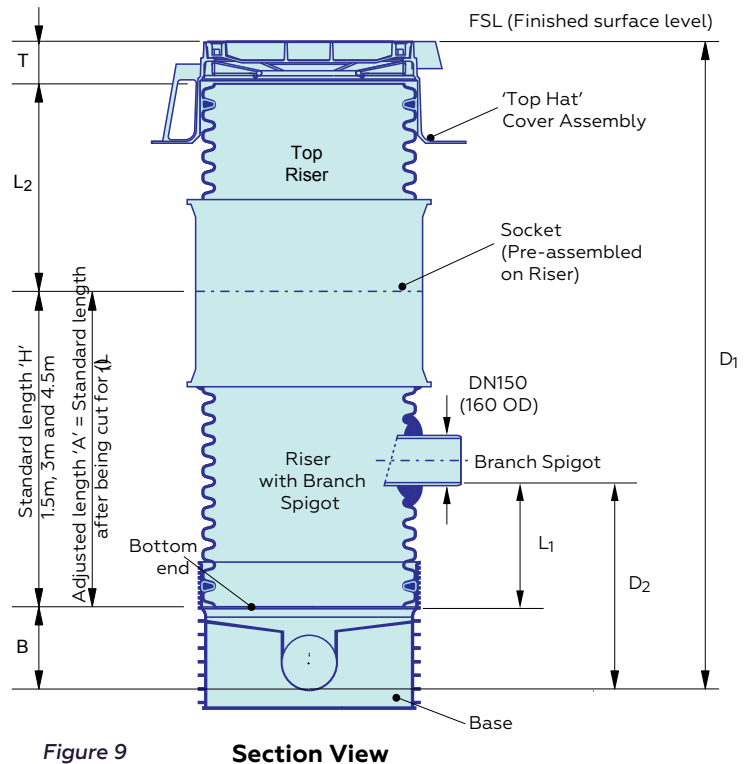


Figure 9 Section View



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