



Concrete Surround Dimension

DIM	Type 60	Type 100
A	682 dia.	1082 dia.
B	675 dia.	1075 dia.
C	729 dia.	1129 dia.
D	735 dia.	1135 dia.
E	808 dia.	1208 dia.
F	812 dia.	1212 dia.

**NOTES:**

1. Scope: This standard drawing provides details of precast concrete surround for Type 60 & Type 100 circular pits. The dimensions of the concrete surround shown are the minimum for precast or poured in situ concrete surrounds.
2. Design Life: 25 years minimum for all components.
3. CONCRETE shall be in accordance with MRTS70 with rigid formwork and intense vibration. In lieu of intense vibration an approved super-workable concrete may be used.  
Exposure classification and cover to reinforcement shall be in accordance with AS 3600.  
Concrete to be N40/10.  
30mm cover to reinforcement for B1 exposure classification.
4. REINFORCING STEEL shall be read in conjunction with Standard drawing 1043 and 1044. Reinforcing steel shall be in accordance with MRTS71 and AS/NZS 4671.  
Deformed bars Grade D500N.  
All reinforcing steel shall be ACRS certified.
5. PRECAST COMPONENTS shall be in accordance with MRTS72.  
Lifting inserts and installation shall be in accordance with manufacturer's specifications.
6. DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Standard Drawings
- Specifications

REFERENCED DOCUMENTS:

- Departmental Standard Drawings:
- 1415 Traffic Signals/Road Lighting – Cable Jointing Pit types 60 and 100 Diameter
  - 1416 Traffic Signals/Road Lighting – Collar for Circular Cable Jointing Pit
  - 1417 Traffic Signals/Road Lighting – Cable Jointing Pit–Circular Pit Cover Drawing 1 of 2
  - 1417 Traffic Signals/Road Lighting – Cable Jointing Pit–Circular Pit Cover Drawing 2 of 2
  - 1699 Traffic Signals/Road Lighting/ITS – Parts List

Departmental Specifications:

- MRTS70 Concrete
- MRTS71 Reinforcing Steel
- MRTS72 Manufacture of Precast Concrete Elements
- MRTS91 Conduits and Pits

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TRAFFIC SIGNALS/ROAD LIGHTING/ITS			
PRECAST CONCRETE SURROUND FOR CIRCULAR PIT		A3 Not to Scale	Standard Drawing No <b>1685</b> Date 3/2022
A	B	C	D