



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:

- Scope: This standard drawing provides details of precast concrete surround for Type 60 & Type 100 circular pits.
- Design Life: 25 years minimum for all components.
- 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.
- 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.
- PRECAST COMPONENTS shall be in accordance with MRTS72.
Lifting inserts and installation shall be in accordance with manufacturer's specifications.
- 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

| | | | |
|--|---|---|---|
| Department of Transport and Main Roads | | <small>© The State of Queensland (Department of Transport and Main Roads) 2021 https://creativecommons.org/licenses/by/4.0/</small> | |
| TRAFFIC SIGNALS/ROAD LIGHTING/ITS | | | |
| PRECAST CONCRETE SURROUND FOR CIRCULAR PIT | | A3 Not to Scale | Standard Drawing No 1685 Date 3/2021 |
| A | B | C | D |