



ej

140
Years
Since 1883

Maintenance & Inspection Castings



MAINTENANCE & INSPECTION CASTINGS

Surface Boxes



	Description	Standard Marking	Optional Marking	Region	Cover Type	Clear Opening w x l / dia (mm)	Frame Height (mm)	Total Mass (kg)	AS3996 Class
HM101	4" Path Box	W	Gas, Elect, Earth	National	Hinged	100x100	74	3	B80
HM102	9x6" Water Box	Blank	Water, Gas	National	Hinged	150x225	110	8	A10
MB250D	250x200mm Meter Box	Blank	Water, Gas Fire	National	Hinged	250x200	120	20	D240
MB350D	350x330mm Meter Box	Blank	Water, Gas, Fire	National	Hinged	350x300	120	35	D240
HM105H	QLD Hydrant Box	H	SV, CJ, BCC FH	QLD	Loose	200x150	254	39	D240
HM106	QLD Valve Box	V	W	National	Loose	89	322	24	D240
HM108B	WA Water Corp Meter Box Inspection	Water Corp Logo	-	WA	Hinged	430x296	87	31	B80
HM108D	WA Water Corp Meter Box Inspection	Water Corp Logo	-	WA	Hinged	420x300	87	34	D240
HM108SEW	WA Water Corp Sewer Meter Box Inspection	Sewer	-	WA	Hinged	430x296	87	31	B80
HM109	WA Water Corp Fire Hydrant Box Insepction	Fire Hydrant	-	National	Loose & Chained	320x196	101	31	D240
HM110	WA Water Corp Sluice Valve	Water Corp Logo	-	WA	Loose	89	230	18	D240
HM111	WA Water Corp Tap Box	Water Corp Logo	-	WA	Hinged	140x141	81	6	B80

Optional Extras: Colour Coded Lids, Precast Collars / Plastic Collars, Precast Support Blocks

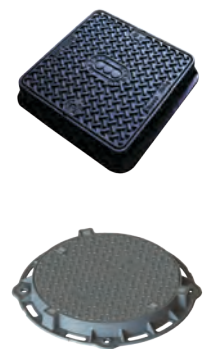
Inspection Openings



	Description	Standard Marking	Optional Marking	Region	Cover Type	Clear Opening w x l / dia (mm)	Frame Height (mm)	Mass (kg)	AS3996 Class
HM201	4" Peep Eye - Sealed	S	ST / WR, Gas	National	Bolt Down	100	53	2	B80
HM202	6" Peep Eye - Sealed	S	ST / WR, Gas	National	Bolt Down	141	60	2	B80
HM100D	100mm Peep Eye to Suit	S	-	National	Bolt Down	100	100	5	D240
HM150D	150mm Flushing Point	Plain	Sewer	National	Bolt Down	150	100	6	D240
HM225D	225mm Flushing Point	Plain	Sewer	National	Bolt Down	225	100	11	D240
HM203D	225mm Flushing Point	Blank	Sewer, Gas, Plain, Vented	National	Qrt Turn	210	100	10	D240

Optional Extras: Colour Coded Lids, Chain, Retained Cover, Precast Collars / Plastic Collars, Precast Support Blocks

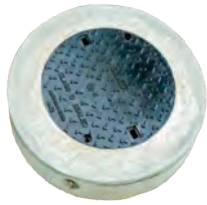
Traffic Signals



	Description	Standard Marking	Optional Marking	Region	Cover Type	Clear Opening w x l / dia (mm)	Frame Height (mm)	Mass (kg)	AS3996 Class
RTA S	TfNSW / RTA / RMS Signal Box Small	Traffic Signals	-	NSW	Qrt Turn / Bolt Down	270x300	86	32	D240
RTA L	TfNSW / RTA / RMS Signal Box Large	Traffic Signals	-	NSW	Qrt Turn / Bolt Down	300x330	86	37	C150
RTA XL	TfNSW / RTA / RMS Signal Box Extra Large	Traffic Signals	-	NSW	Qrt Turn / Bolt Down	400x400	86	46	B80
LA60BVICRT	600 LA60B Vic Roads	Traffic Signals	Lighting, Elec, Comms	VIC	Loose	605	50	38	B80
TP800B	600 Traffic Signal	Traffic Signals	-	National	Bolt Down	610	48	39	B80
TP800DTS	600 Traffic Signal	Traffic Signals	-	National	Bolt Down	610	75	59	D240

MAINTENANCE & INSPECTION CASTINGS

Maintenance Shaft Covers



	Description	Standard Marking	Optional Marking	Region	Cover Type	Clear Opening w x l / dia (mm)	Frame Height (mm)	Mass (kg)	AS3996 Class
QT30DBD	300mm Dia. Quick Tee Cover Low Frame	Plain	Sewer	National	Bolt Down	300	55	20	D240
TC40DLF	375mm Dia. Maintenance Shift Low Fram Plain	Plain	Sewer, Gas, Watet, Storm Water	National	Bolt Down	375	60	29	D240

Optional Extras: Low frame and high frame, precast surround

Airport & Port Cleanout / Monument Boxes



	Description	Standard Marking	Optional Marking	Region	Cover Type	Clear Opening w x l / dia (mm)	Frame Height (mm)	Mass (kg)	AS3996 Class
EJ1716Z1PT	300mm Monument Box with Top Flange	Blank	Sewer, ST / WR, Elec, Comms	National	Bolt Down	300	200	46	G900
EJ157024	172mm Monument Box with Bottom Flange	Blank	Sewer, ST / WR, Elec, Comms	National	Bolt Down	172	178	29	G900

LOAD CLASSIFICATION OF COVERS AND GRATES AS3996: 2019

Class	Typical Issue	Nominal Wheel Loading kg	Serviceability Design Load kN	Ultimate Limit State Design kN
A	Areas accessible strictly by pedestrians. Not suited to vehicles. Purpose - residential backyards. Walkways not accessible by vehicles.	330	6.7	10
B	Private and shared residential property. Suitable for vehicles accessing driveways and footways. Low speed only. Purpose - residential driveways. Unit sites. Parklands. Residential car parks.	2,670	53	80
C	Residential roads and car parks trafficable to vehicles. Purpose - areas with slow moving traffic and minor roads.	5,000	100	150
D	Major roads including freeway and motorway shoulders. Warehouses and loading docks. Purpose - major roads.	8,000	160	240
E	Freeway and motorway carriageways. Suitable for all heavy vehicles. Purpose - freeways and motorways.	13,700	267	400
F	Docks, wharfs and airport service and taxiways. Purpose - heavy and high traffic volumes.	20,000	400	600
G	Docks, wharfs and airport runways. Purpose - heavy and high traffic volumes.	30,000	600	900

Notes: 1. Nominal wheel loads are given for guidance only. Consideration should be given to the type, size and pneumatic pressure of the load applied. 2. Class B design load exceed AS 5100.2 requirements for footway loads. 3. Class D design loads exceed AS 5100.2 requirements for a W80 wheel load. 4. Class C units are based on an intermediate load. 5. The ultimate limit state load is 3 times the nominal wheel load and 1.5 times the serviceability load.



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