

Replaces all previous versions

Effective 27th September 2006

Product Selector and Classifications








There is no Australian standard relating to electrical pit performance. Pits are selected by use which is determined by size, volume and location.

To give specifiers, installers and users help selecting the right cover, the table below is based on loadings outlined in AS3996 (road gully and inspection chamber covers) and AS4198 (precast concrete access chambers for sewerage applications) standards.

Users should note that cover loadings are transmitted to pit structures.

strongly recommends that HDPE plastic pits are not used in areas subject to heavy vehicular traffic.

AS3996 road gully and inspection chamber covers

A_{10kN}	B_{80kN}	C_{150kN}	D_{210kN}	E_{400kN}	F_{600kN}	G_{900kN}
						
Pedestrian applications, inaccessible to motor vehicles	Footpath and paved areas where vehicles mount accidentally or for light vehicles such as tractors and livestock	Light vehicular traffic. Minor roads such as cul-de-sacs and parking areas	Roads carrying fast moving, heavy vehicles	Very heavy wheel loads as found on construction sites, mining and industrial areas	Extra heavy wheel loads as encountered on container terminals, docks and mining areas	Extra heavy wheel loads - airports, military traffic etc.

Plastic Pit

Dependent on cover

Polymer Concrete Pit

Dependent on cover

Cover Loadings -

Cement concrete

Polymer concrete

Fabricated chequer plate steel covers

ACCESS fabricated steel recessed covers ②

Military style locked fabricated chequer plate steel covers

Special made to order, fabricated steel covers

Cable Ducting

Dependent on system and cover details

AS4198 pre-cast concrete access chambers

L

Light duty access covers for use on footways where it is possible for light vehicles, tractors or livestock to mount the footway

M

Medium duty access covers pedestrian use and occasionally open to vehicles where loads will not exceed 3.7 tonnes

H

Heavy duty access covers in carriageways where loads will not exceed 7.0 tonnes

ACCESS fabricated steel recessed covers ②

Fabricated chequer plate steel covers

Military style locked chequer plate steel covers

Special made to order, fabricated steel covers

Electrical pits & covers should not be installed in fast moving main road applications

For advice on electrical pits & covers in areas subject to these loads

Note:

- ① Pits should only be used in these areas if the pit is completely covered by a suitable cover and frame.
- ② In block paver areas, pavers can decrease the recessed access cover strength.

Please email to Spacepac@spacepac.com.au for more information

All prices/specifications subject to change without notice.