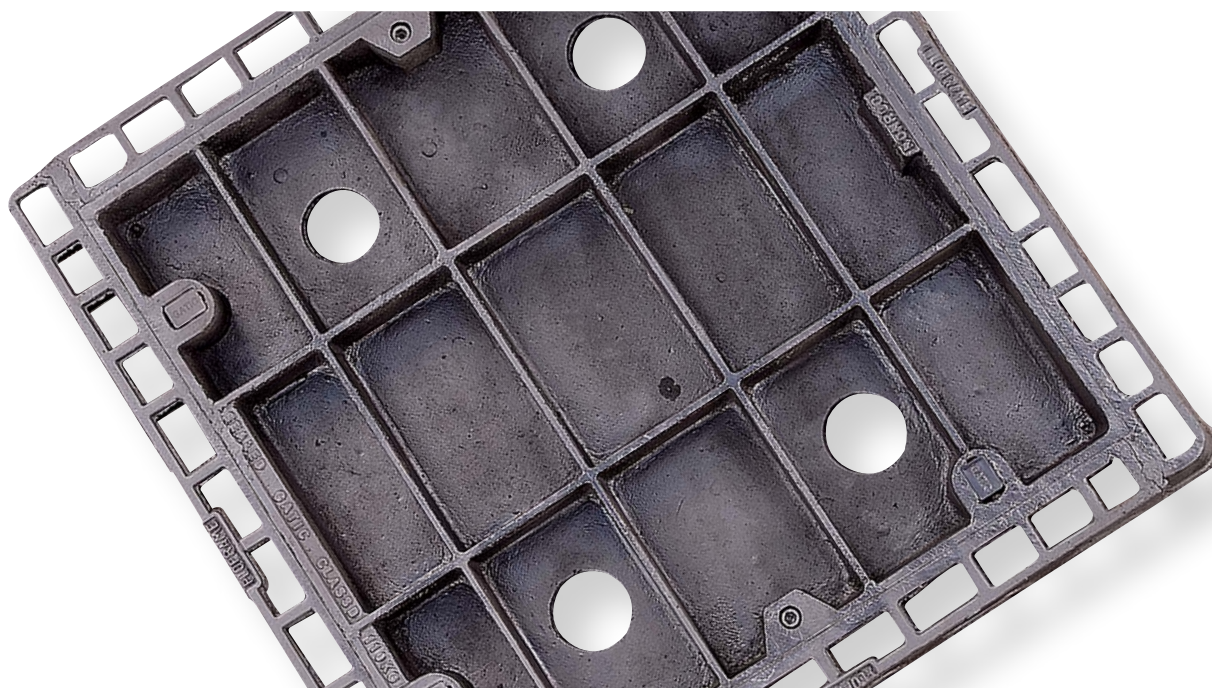


# Gas & Air Tight Access Covers and Grates

Technical Guide D16.4

Hynds supply a range of Gas and Air Tight Access Covers and Grates to New Zealand recognised standards AS3996:2006 and EN124.



02.21 | DRAINAGE | D16.4 GAS AND AIRTIGHT ACCESS COVERS AND GRATES

## Applications

When access is required for under ground services with a gas and airtight seal or grates are required to perform to specific design conditions.

## Product Attributes

Load rated from Class B through to Class G

Gas and Air Tight

Bolt Down Security

Recessed infill or solid top versions

## Approvals/Standards

AS / NZS 3996:2006

EN124

## Quality

ISO 9001:2008 Quality Management

*We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.*

**HYNDS**  
PIPE SYSTEMS

# Hynds supply a range of Gas & Air Tight Access Covers and Grates to Australian and New Zealand recognised standard AS3996:2006 and European Standard EN-124

## Installation

When an improved seal is required to reduce surface water infiltration or trap odour release, Hynds recommend the use of manhole sealing grease. This lubricates the surface between cover and grate making future inspections easier when removal of the cover is required.

## Features

- All castings are marked in accordance with AS3996:2006 or EN124 to enable identification of manufacturer and supplier.
- All castings are marked with the load rating A to G. The correct class of casting can be supplied to comply with all applications.  
N.B. product with load ratings A to D ARE readily available.  
Heavier classes E, F and G are available to order.
- AS3996:2006 is a recognised quality standard for manufacture and application in Australia and New Zealand accepted by territory authorities and specifiers.
- Gas air tight streetware castings provided by Hygrade have third party accreditation by Qual Mark 5 Ticks, an independent international body. They certify that the product is manufactured to and continues to comply with specifications and standards.
- Qual Mark operate under an approved quality system based on the ISO 9000 series of standards.

## Design Specifications

- Design Service  
Unique design service available to specifiers and engineers. 24 hour turn around to provide technical drawings for specified applications.
- Custom Features  
Brass and stainless steel edged covers and frames on request. (only applies to square or rectangular covers)
- Special Lifting Keys  
Complete range of lifting keys and accessories are available. Refer to Technical Guide D10.1 Lifting Equipment.

## Testing

- Batch Testing  
One unit in every 150 manufactured is tested to confirm that product complies with AS3996:2006 and EN124.

## Durability

- Machining  
All castings are machined to ensure gas and air tightness. This also ensures that all seating is even to maintain uniform wear and stability.
- Material  
All castings are manufactured from ductile iron to ensure maximum strength.
- Coating  
All gas and airtight castings are bitumen coated to the AS3996:2006 standard. This helps maintain the castings appearance prior to installation.

## Available on request

- Circular solid top and infill access covers and frames.
- Square and rectangular solid top and infill access covers and frames.
- Multi-part configurations to suit all applications.
- Trench runs in all load classes
- Brass & Stainless Steel edged decorative covers for retail and commercial high profile applications

## Casting Examples



**FIG. 1** Stock code GATIC-02301122  
600 x 1270 mm - 2 Part Class D



**FIG. 5** Stock code GATIC-2301084.1  
600 x 475mm Solid Top Class B



**FIG. 2** Stock code GATIC-02302195  
600 x 2000 mm - 3 Part Class F/G



**FIG. 6** Stock code GATIC-300S5G  
600 mm Solid Top Hinged Class F/G



**FIG. 3** Stock code GATIC-321S66D  
600 x 600 mm Sump Grate Class D



**FIG. 7** Stock code GATIC-301C66D  
600 x 600 mm Infilled Class D



**FIG. 4** Stock code GATIC-320G6G  
600 mm Sump Grate Hinged Class F/G



**FIG. 8** Stock code GATIC-02301093  
600 x 600 mm Solid Top Class D

**Branches Nationwide** *Support Office & Technical Services* 09 274 0316

**Disclaimer:** While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.

**hynds.co.nz**  
**0800 93 7473**

**HYNDS**  
PIPE SYSTEMS