

# Manhole Access Cover Lifting Tools

Technical Guide D10.12

A range of lifting tools to assist with opening and lifting manhole lids.



11.22 | DRAINAGE | D10.12 MANHOLE ACCESS COVER LIFTING TOOLS

## Applications

For easy lifting of heavy manhole lids

## Product Attributes

Suitable for most common access covers/  
manhole lids

Robust construction

Suitable for light and heavy duty lifting

## Approvals/Standards

AS3996:2019 Access Covers and Grates

## Quality

ISO 9001:2008 Quality  
Management Systems

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

**HYNDS**  
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Our range has lifting tools suitable for older non-standard cast iron keyways and for ductile iron keyways designed to AS3996:2019.

### Application

#### *Suitable for Cast Iron covers:*

##### ■ Heavy Duty Lifter

Code: LIDLIFTHD

A heavy duty robust 900mm long lifter. With its extra length the lifting can be achieved using the force of body weight.

##### ■ Folding Lifter

Code: LIDLIFTF

Works on the same principal as the heavy duty lifter however folds in half for compact storage (500mm folded, 800mm extended), ideal for engineers, consultants, etc.

##### ■ Tee Type Lifter

Code: LIDLIFT600T

A 600mm long lifter, due to its restricted length this lifter requires a lot of the lifting to be achieved via the body. Bend the knees rather than the back!

##### ■ D Style Lifter

Code: LIDLIFTDSS

A compact unit with a D handle enables the use of a crow or pinch bar to be utilised for ease of lifting.

##### ■ Spare Keys

Code: LIDLIFTFK

Both the heavy duty and the folding lifters utilise the same key which can be and are easily replaced if damaged.



FIG. 1 Heavy Duty Lifter



FIG. 2 Folding Lifter



FIG. 3 Tee Type Lifter



FIG. 4 D Style Lifter



FIG. 5 Spare Keys

### **Suitable for Ductile Iron or G.A.T.I.C. covers:**

#### ■ **Long Handle Key**

Code: LIDLIFTGLHK

The long handled key is at an ideal length to enable easy lifting and moving of Gas and Airtight covers in both square and round versions. Not a Seal Breaker, these are best used after the seal has been broken between cover and frame.

#### ■ **Short Handled Key**

Code: LIDLIFTGMHK

The short handled key is for seal breaking on Gas and Airtight covers, and with the long handled keys can be used with Class B, Class C and Class D covers to Standards AS3996:2019 and EN124.

#### ■ **Crane/Mechanical Lifter**

Code: LIDLIFTCMS

This 4 piece lifter set is for use with Gas and Airtight covers that are used on Ports and Airports and are too heavy for standard lifter use. Certified by Independent Examiners this set will lift covers that are rated to Class F/G to Standards AS3996:2019 and EN124, and weigh up to 750kg.

When lifting circular covers a single lifter can be used, with square or rectangular covers two lifters are required.

**Note:** Always put the cover back in the same way as it was removed; this is especially important when lifting square or rectangular G.A.T.I.C. covers.

### **Features**

- With the introduction of Ductile Iron covers to meet Standard AS3996:2019 the different keyhole dimensions necessitated a change in the size of the key used.
- The lifters for existing Cast Iron covers will best suit the older non-standard keyholes of 13 x 44mm.
- The lifters for Ductile Iron G.A.T.I.C. covers made to Standard AS3996:2019 suit key ways that are 19 x 30mm.

### **Accessories**

#### ■ **Manhole Sealing Grease**

After lifting a lid it is helpful to smear grease around the edge of the lid when replacing, this will be beneficial for sealing and future lifting.



**FIG. 6** Long Handle Key



**FIG. 7** Short Handle Key



**FIG. 8** Crane/Mechanical Lifter

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