

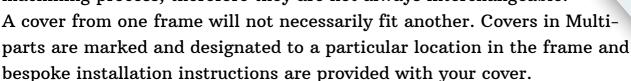


☑ info@ducast.com

mww.ducast.com

INTRODUCTION

ucast Factory covers and frames are mated individually during the machining process, therefore they are not always interchangeable.



The direction a cover can be removed from its frame is indicated by the cover edge with two keyholes. If there is an obstruction (wall, bollard, etc), ensure the cover is positioned in a direction away from the obstruction.

Please handle all products with care. Frames may suffer twisting and damage to joints if mistreated.

At DUCAST, we assemble multipart access cover systems that combine standard-size covers in multiple rows and lengths to adapt to many applications. In these systems, provided each row in the system has covers of the same length and load class, the width of the individual covers can vary, allowing for a large number of sized openings. The benefit of multipart systems is that smaller individual covers can be easily lifted to provide access to larger openings. Some common applications include container ports, airport pavements, lift motor room floors, and where access to large industrial equipment, large electrical pits, pump wells, and transformers are required.

Some key points to remember:

• Load class - select the correct cover and rebate to suit the load class. The frame is designed to be fully supported by a bed of concrete.

DRAWCUT

- Install with cover positioned in the frame.
- Decorative edging may require a deeper rebate than specified, depending on the finish level.
- Tiles or pavers should be fully restrained and bonded to the concrete bed. An epoxy mortar is recommended.
- The cover and frame are a matching pair and should not be switched as fit and seal may be compromised.
- Ensure that there is no rock between cover and frame.



UNDERCUT

KEY INSTALLATION REQUIREMENTS

Clear Opening

The clear opening is the unobstructed opening inside the frame.

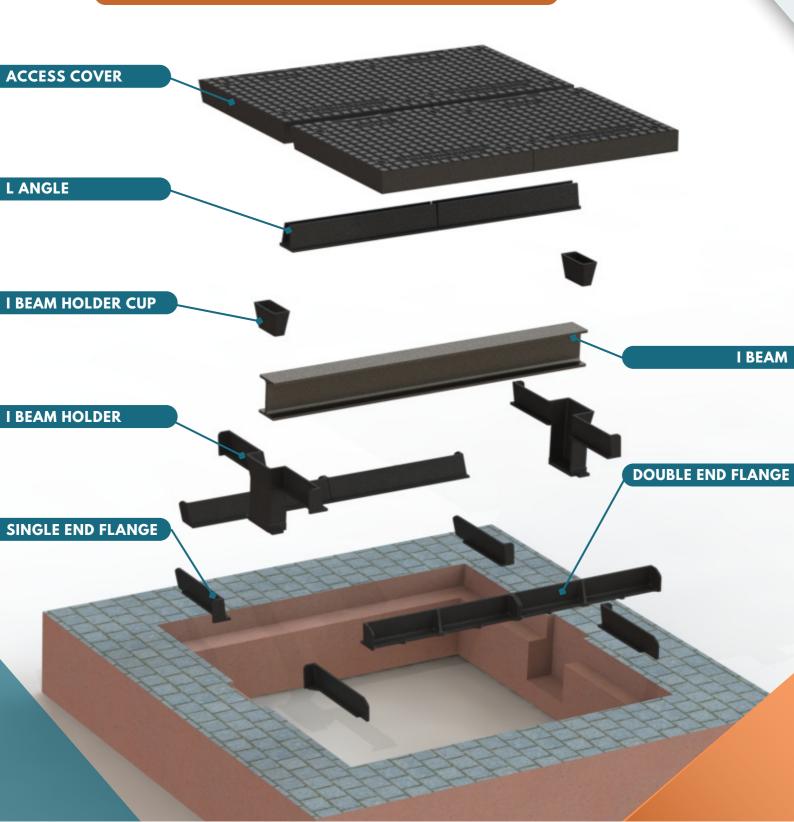
imensions

Dimensions are given as width (W) by length (L). Refer to the DUCAST brochure.

oading Class

Select the correct ductile iron access cover to suit the required load class and application.

EXPLODED VIEW OF ASSEMBLY FOR COVER & FRAME





DISASSEMBLY OF COVER

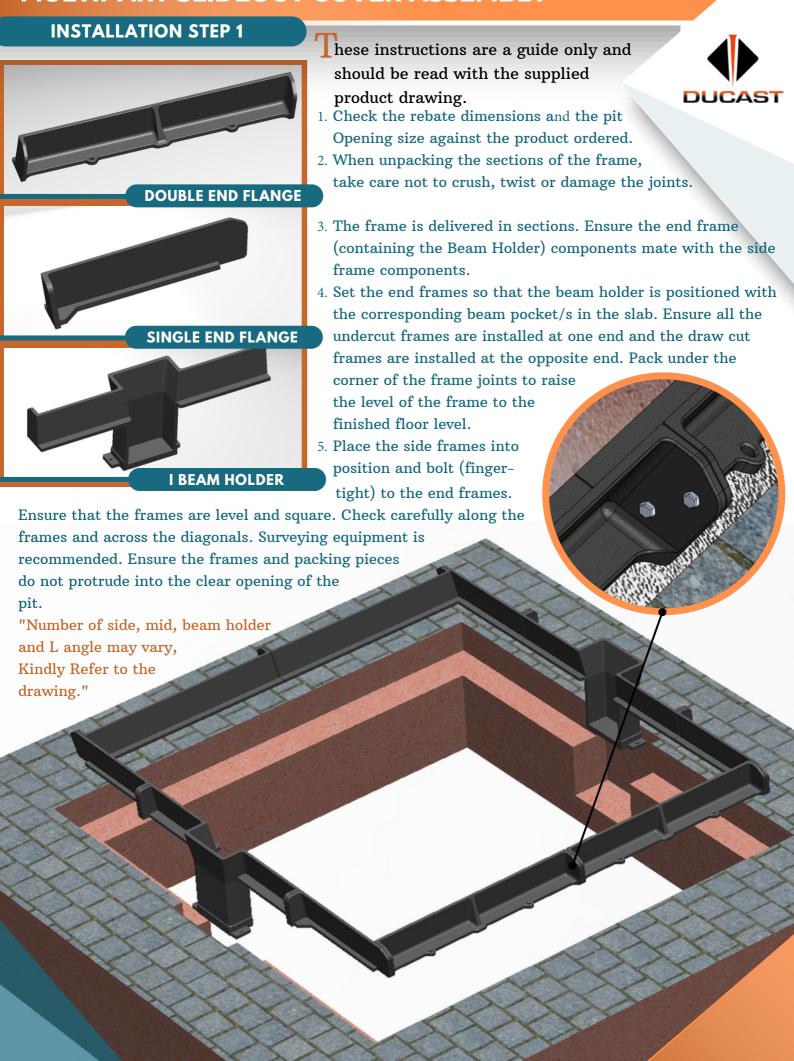


This process should be followed whenever lifting the cover or at least once annually.

- 1. For removing the cover, lean forward on the lifting keys and lift the cover from the frame. Place a section of pipe under the edge to enable the cover to be rolled clear of the opening.
- 2. For multiple cover units, remove covers in order and store them to ensure they are replaced in the same order and position.
- 3. Prior to reinstating the cover, ensure the cover and frame seat is clean and free of all debris, and liberally apply grease.



For 2 or more part covers, mark the frame and covers to ensure they are reinstated in the same position.





the pit."

hese instructions are a guide only and should be read with the supplied product drawing.



- As per the previous step, Ensure all four corners are to the finished surface level use a string line if necessary. Use appropriate packers as required (remember the required loading, timber is not suitable).
- 2. Lower the I beams (including L Angles & Cup) into the corresponding boxes, as shown in fig.
- 3. As for caution before concrete filling Place the covers into the frame according to the numbering system, ensuring that the top edges of the frame and covers are level with each other.

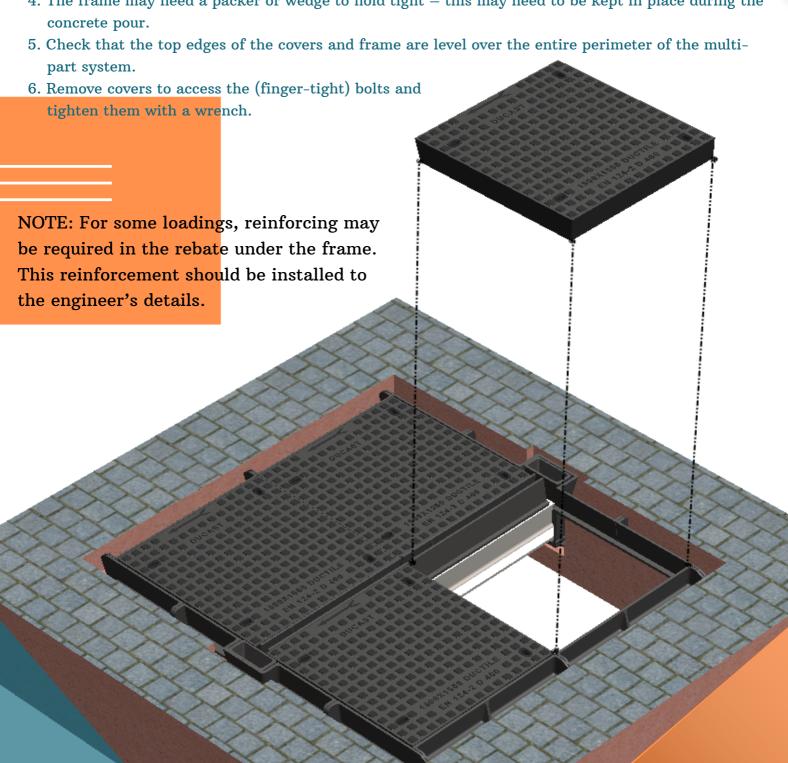
Check the covers for any diagonal rocking movement and adjust the packing under the frame where required. It is critical that the covers are properly seated in the frame and are not obstructed by any internal formwork.



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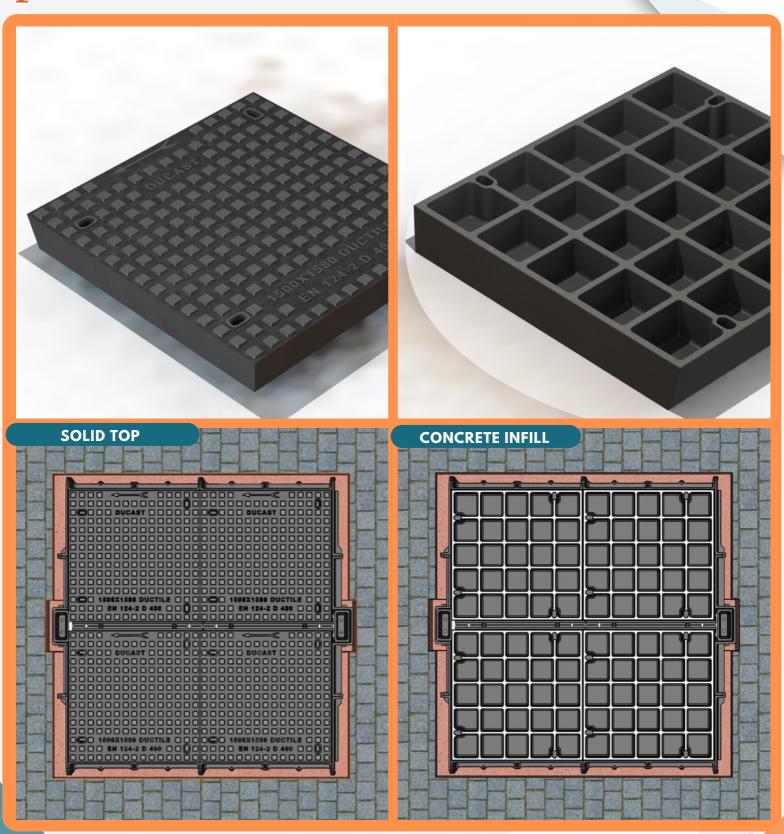
- 1. Select a row to start, place the covers into the frame start at the draw cut end. Note: the draw cut is identified on the cover with the two keyholes on the same side of the cover.
- 2. Begin placing covers into the row using the numbers on the covers and the corresponding drawing supplied. Apply grease to the side faces of every cover. Check covers for any rocking in the frame – if detected, check rebate cleanliness and use packers as required.
- 3. Continue installing each cover into the frame, checking each for rocking. As covers are put in place, the frame will begin to straighten. Check all contact points – this product is designed to be extremely tight with little tolerance to ensure it is watertight.
- 4. The frame may need a packer or wedge to hold tight this may need to be kept in place during the concrete pour.



Multipart units combine standard-size covers in multiple rows, generally when the clear opening exceeds 1200mm in both directions.



Frame will be common for Both SOLID TOP & CONCRETE INFILL slide out.



ade for you

Using standard covers, all multi parts are assembled in our facility and checked for accuracy of fit and marked to assist re-assembly. They are pulled down and carefully prepared for transport to the site.

CONCRETE POUR

riangle ll infill covers and frames must be filled with structural grade concrete.

- 1. Simultaneously fill the rebate gap, frames and infill covers with concrete.
- 2. Ensure that the concrete is well compacted and the frame is fully supported.
- 3. Screed off excess concrete and finish the surface as required. The edges of the cover and frame should be visible.
- 4. Concrete must be allowed to cure before removing the covers from the frame. Removing covers prior to curing may result in damage.
- 5. Once cured, remove covers with a provided Lifting Key and strip the internal formwork.
- 6. Ensure the seat areas are clean and greased prior to reinstating the covers in the frame.
- 7. Cover and Frame seat areas should be liberally greased periodically to assist in the maint-enance of the product.
- 8. Using a rubber mallet, tap down on the key hole surround until the cover is level with the frame.
- 9. Reinstall all covers/plugs to keyholes and bolt down access.



