

Safety Information and Operating Instructions: Rope Operated Column Skip

1.0 General Information about Rope Operated Column Skip

- The Rope Operated Column Skip is designed to allow concrete to be poured into columns or shuttering with narrow or difficult access and discharge at low level, reducing the risk of aggregate separation.
- Concrete is discharged through a shutter into a fitted hopper on which the outlet terminates as a 200mm diameter tube.
- The rope operated column skip allows the operator to control the flow of concrete from ground level by a rope connected to the shutter handle.
- The shutter return is controlled using heavy duty springs. There are additional set of springs which can be used to close the shutter if required.
- To maintain the lowest possible loading height, the skip is laid horizontal to load but reverts to a vertical position when in use.
- The skips are available in different capacities shown in the table below.

Capacity (L)	Overall Width (mm)	Unladen Weight* (kg)	SWL (kg)	All Up Weight (kg)	Overall Height inc. Bale (mm)	Loading Height (mm)
500	1172	320	1300	1620	2927	747
1000	1390	327	2600	2927	2996	890
1500	1638	535	4000	4535	3230	1041
2000	1782	600	5300	5900	3555	1153

*may vary

- The SWL is the maximum capacity that the skip can carry, and it must never be exceeded.

- A site-specific risk assessment must be carried out prior to the use of the equipment.
- Only a trained and competent person together with a qualified banksman must operate the skip.
- Current Health and Safety legislation requires that all equipment used for lifting purposes must be issued with the latest & valid report of thorough examination.

2.0 Safety Instructions of the Rope Operated Column Skip

- PPE (hard hat, safety boots and gloves) as required by the site-specific risk assessment, must be worn at all time during operation.
- The following information is issued for the safety and should be observed always for the safety of the user.
- The Rope Operated Column Skip must have a valid report of thorough examination and should be subjected to a visual inspection prior to use.
- Any defects or damage sustained by the skip must be notified to a competent person immediately. (The report of thorough examination may become invalid, and the equipment should not be used.)
- The Rope Operated Column skip should always be stored, lifted or landed on firm level surface.
- Never walk under suspended load. (Stickers on skip).
- A crush zone is indicated by a sticker and body parts must be kept clear.
- **The use of a drop chain is recommended to minimise any possible risk of damage to the lifting bale caused by the direct connection of the crane hook.**
- The use of mould oil is highly recommended.

3.0 Guidelines for the visual inspection of the Rope Operated Column Skip

- The overall general condition and appearance all-round the skip, including welded areas, finish, signage and paint must be inspected.
- Attention should be paid to any cracks, distortion or damage to any area of the skip.
- The trunion pins, bolts and trunion bolts must be inspected for wear and bolts must be tightened.
- Lifting bale support must be straight, secured and show no signs of undamaged or wear.
- Check shutter mechanism is undamaged and fully functional.
- Check the security and condition of the safety chain.
- Inspect shackle, bolt and split pin where fitted. All must be in good condition.
- Check any installed spreader beam is straight and secure.
- Ensure all stickers such as Marwood Logo, Next Examination Due Date (MGS71), sticker MGS24 Plant returned label, sticker MGS64 Crane skip data label, Crush Zone (MGS80) and Do Not Walk Under Suspended Load (MGS79) are in present.
- Check for data plate and serial number. They must be in good and legible condition.

4.0 Connecting hose over skip outlet

1. Cut hose to length (if not supplied with skip) (Fig 1)
2. Slide the clamp onto hose (approx. 150mm).
3. Push hose onto skip outlet between 50mm & 100mm. (Fig 2)
4. Slide clamp onto section of hose above the lip on the chute. Note that the clamp must go over the rib on the skip - dotted line. (Fig 3)
5. Tighten clamp onto hose & outlet using incorporated nut & 17mm spanner/ratchet.



Fig 1

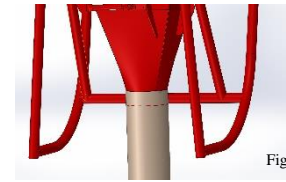


Fig 2

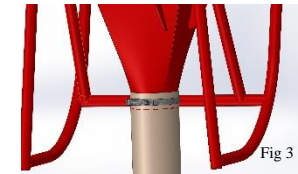


Fig 3

5.0 Operation guidance concerning the Rope Operated Column Skip

1. A visual inspection of the filled skip is recommended before any further operation is carried out.
2. The use of a drop chain (1m, 5.3 tonnes SWL) is recommended to minimise any possible risk of damage to the lifting bale caused by the direct connection of the crane hook.
3. After the recommended safety checks have been carried out, the skip is then lifted to the required location under the full assistance and guidance of the banksman.
4. The Rope Operated Column Skip must be laid horizontal on the floor and must be stable if it is not in this original flat position.
5. The use of mould oil is highly recommended to reduce concrete contamination on the inside of the skip. Coat the inside of the skip at the start of each shift.
6. Warning: once the shutter has been opened, the weight of the concrete will restrict the closure of the shutter.
7. After use, the skip must be washed immediately to prevent any built of concrete. (Refer to maintenance section below)
8. When not in use, secure bale arm in upright position using safety chain.

6.0 Maintenance of the Rope Operated Column Skip

- The skip should be subjected to a thorough examination by a competent person at a six-monthly interval.
- After use, the skip should be placed on flat level ground. The bale arm of the skip must be carefully tilted on ground before any cleaning is carried out. The skip must be washed thoroughly to remove any residue, mud or concrete using water and a stiff brush or pressure washer.
- It is recommended that all areas liable to contamination should be treated with a heavy-duty mould oil or release agent before use.

The Rope Operated Column Skip should never be dismantled or modified