

**Man Cage Series (1 Man, 2 Man, 4 Man & Stretcher Cage)
Safety Information & Instruction Details**

1.0 General Information on Man Cages & Stretcher Cage

- Man cages are the safest method of transporting personnel to or from high or low level work areas. They allow work to be safely carried out.
- 2 & 4 Man Cages are panelled to half height.
- 1 Man Cage is meshed to half height.
- The use of safety harness and lanyards is recommended for all cages.
- Stretcher cages are designed as a safe, secure method for transporting injured personnel who are immobilised, along with an attendant. It can be used for any high structure or deep excavation.
- THE MAXIMUM PERMISSIBLE LOAD is marked on the cage and SWL Marked on the thorough examination, MUST NOT BE EXCEEDED.
- The main lifting equipment being used must conform to current European Machinery Regulations and have the correct SWL certification for the radius being utilised.
- Current Health and Safety legislation requires that all equipment used for lifting purposes must be issued with thorough examination certificate.
- Lifting equipment should only be operated by a qualified competent operator and Banksman.
- There must be no other machines operating simultaneously in the same place as there may be a risk of collision.
- The combination of the crane and the cage shall be operated by people trained in the safe use of the combination, including the operating procedures for egress in case of power supply failure or control failure.
- The lifting and supporting shall be made under controlled conditions and under the direction of an appointed person.
- The MKI stretcher cage is meshed to half height. The MKII stretcher cage is panelled to half height.

1.1 The Stretcher Cage Specifications

	Height (mm)	Width (mm)	Length (mm)	Dead Weight (kg)	Number of persons/ S.W.L
Mesh-wall	2120	840	2580	375	2 persons/240kg
Solid wall	2225	962	2585	505	2 persons/240kg
Counter Balance Door	2225	962	2585	565	2 persons/240kg

1.2 The Man Cages Specifications

No of person allowed	Height (ex chains) (mm)	Width (mm)	Depth (mm)	Dead Weight (kg)	S.W.L (kg)
1 MAN	2200	580	580	105	230
2 MAN	2200	1270	780	225	500
4 MAN	2200	1220	1220	440	1000

Note: Weight and dimensions may vary due to manufacturing and repairing process.

2.0 Safety Instructions for the Man Cages & Stretcher Cage

- THE FOLOWING INFORMATION IS ISSUED FOR YOUR SAFETY AND SHOULD BE OBSERVED AT ALL TIMES.
- This instruction manual should be available at all times.
- A risk assessment must be carried out prior to the use of any cage and to determine the appropriate PPE such as safety gloves, goggles, hard hat, lanyards and harness and Hi-vest.
- A crane driver shall always be present at the normal crane control station when the cage is occupied.
- There should always be a two way communication between the persons in the cage and the crane driver at all times during the lifting operation.
- The required equipment necessary to perform an emergency rescue shall be available at all times during the lifting operation.

- During the operation, the crane driver and signaller must focus only on one operation at a time.
- Load lifting attachments for the cage must not be used for any other purpose.
- The cage must never be used in high winds, storms, ice, snow, fog, sleet, or other adverse weather conditions which could affect the safety of the personnel.
- Unintended movement of the cage must be prevented by means of guide ropes, poles or anchoring.
- If the cage has to be moved through openings, measurements must be taken to avoid crushing risks.
- The whole cage especially the lifting eyes must be subjected to a visual inspection prior to use.
- Should damage occur to the lifting attachment points or chains or if applicable the doors, door hinges, door securing devices or any part of the main structure, the equipment must not be used. It must be notified to a competent person immediately. A further report of thorough examination may be required or contract your local Marwood Depot.
- The cage should always be landed on a flat, firm level surface is recommended.
- Care should be taken when lifting crane cages from excavations or shafts to ensure no side ways movement before the cage is completely out.
- While standing in the cage, always make sure there is a uniform distribution of load.
- Persons should only enter or leave the cage when landed and stationary on a firm level surface.
- Prior to lifting any cage you must ensure that doors are fully located in the closed position. The Man cages' door must never opened without first landing the platform.
- Operators must take care when opening closing the door of the stretcher cage due to sticking or suddenly closing.
- All stretcher cage sliding doors are two handed operation care should be taken at all time when operating the door.
- It is recommended that all personnel using the cage where appropriate should wear a safety harness & lanyard which is correctly attached to the appropriate Anchor Points.
- Occupants must never stand on the handrails or side protection of the cage.

- Personnel using this cage are reminded that head and limbs must be kept within the confines of the cage during all lifting and lowering operations.
- The crane driver must always proceed gently with low speeds while holding the cage. Any movement of the personnel platform must be performed slowly and cautiously without any sudden jerking of the crane, derrick, or the platform.
- Power cables must never be used as guide rope for the cage.
- If the process of welding is carried out from the cage, special care shall be taken to earth the cage in order to protect the crane or its ropes from becoming conductors of electricity.
- If carrying any heat work (burning, welding, etc.), always make sure the cage is not subject to any heat side effect especially to the lifting eyes.

3.0 Maintenance of the Man Cages & Stretcher Cage

- Equipment is be subjected to a thorough examination by a competent person at six monthly intervals.
- The floor area of the cage must be kept clean and clear of all debris and floor drain holes must be kept clear.
- Lanyard anchor points and rails should be checked for security and damage.
- Ensure door runners are clean & free of debris examine for any damage.
- Ensure door operates smoothly & where necessary lubricate rollers using light engineering oil.
- Ensure door dampening mechanism operates freely, no sticking.
- Check individual links in chains for damage, nicks, gouges, twists, stretching and other damage before every shift.
- Examine frames for twists, fractures, and damage or security concern. Return to workshop if any of these are present.
- Data plate must be present. (SWL and serial number marked)
- Any defects, security concerns or damage, contact your nearest Marwood Depot.

The cage must not be modified or dismantled