

INSTALLATION OF (SMM-11 & SMM-12) SCAFFOLD MOUNTED MONORAIL

Hoist is installed in monorail from inboard in. Remove small retaining bolts in end of monorail, lift hoist with cable drum toward outboard end of monorail and slide rollers into track. Immediately replace retaining bolts to prevent hoist from rolling out of rear of monorail.

HOISTING:

Hoist must be attached to suitable source of electric power. All connections, plugs and cords must be a minimum of 12 gauge wire. All wiring must include a satisfactory ground. Portable generators must be rated at least twice the rating of the hoist. Low voltage will reduce the lifting capacity of the hoist considerably.

DO NOT USE UPPER LIMIT SWITCH TO STOP UPWARD TRAVEL OF LOAD. USE PENDANT CONTROL FOR ALL MANEUVERING OF THE HOIST.

CAUTION

Hoist may not be used to lift People. No one should be allowed to stand or pass under the path of the suspended load.

COUNTERBALANCING

When the load is being raised at the outboard end of the monorail, the inboard end of the monorail actually has a LIFTING tendency. This tendency to lift is resisted by the weight of the scaffold only if the sections are pinned or bolted together. In addition, extra weight can be added above the rear frame where the monorail superintendent should inspect the scaffolding in the vicinity of the hoist operation to assure that no scaffold components are distorted or separated. If that is noted, corrective action must be taken before hoisting is resumed. Generally if a 1000 lb. load (maximum) is being lifted, there is about a 500 lb. lifting tendency at the rear of the monorail, the load switches to a downward load of about the same magnitude.

CAUTION

Be sure that all precautions in these instructions are followed and that all operators are adequately trained in the operation of this equipment.

Except as stated herein, there are no implied warranties of fitness or merchantability, and there are no other express warranties beyond the warranties.



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SCAFFOLD MONORAIL MOUNTING INSTRUCTIONS



DO NOT BUILD TOWERS !!!!!

FOR PROPER SUPPORT, THERE MUST BE THE SAME OR MORE HORIZONTAL SCAFFOLDING BAYS AS VERTICAL BAYS

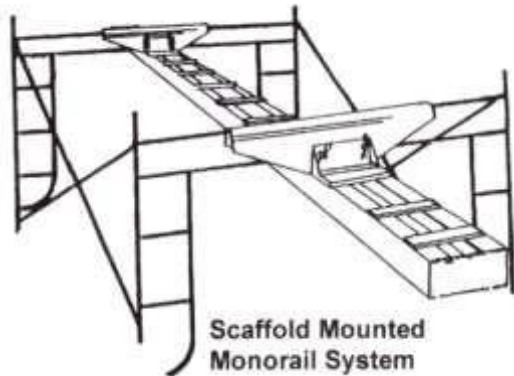
SMM-11 & SMM-12

The SCAFFOLD MONORAIL ASSEMBLY is mounted between two 6 ft. walk thru scaffold frames in such a manner that the monorail is cantilevered out beyond the frames. This permits the hoisting of materials up the scaffold and upon reaching the level of the hoist, it can be rolled horizontally onto the decking. The monorail is attached to the scaffold frames with easy to use pins and a saddle which allows it to fit different manufacturers scaffolding, helps to spread the load across the top bar and allows ease of adjustment. Two men can easily attach the monorail to the scaffold by following the enclosed instructions. No wrench is needed to install.

Most models of Hi-Tech Hoist's portable hoists can be installed on this monorail, but the maximum lifting limit must be respected.

NOTE:

Do not mount SMM-11 or SMM-12 on a single set or tower of scaffolding. The scaffold monorail must be used on large arrays of scaffolding so that the lateral dimension of the array is greater than the length of the monorail.



NOTE:

THIS MONORAIL AND MOUNTING SYSTEM IS LIMITED TO A LIVE LOAD OF 1000 LBS. ANY LOAD IN EXCESS OF THIS LIMIT IS PROHIBITED.

DO NOT OVERLOAD

NOTICE: Check all applicable scaffold safety documents concerning toe boards, hand rails, safety cables, belts, decking and overhead protection.

INSTALLATION INSTRUCTIONS

SCAFFOLD MONORAIL

Preparation of Mounting Site:

Full width decking must be installed at the location of the hoist to provide adequate workroom and footing for installing the monorail and hoist, down-loading of materials from hoist and general operation of the hoist. Guardrails and toerails may also be necessary. Check locally.

The scaffold frames to which the monorail will be attached must be in as new condition with NO dents, bends, heavy corrosion cuts, modifications or obvious damage. All X-braces must be in place and secure. Both frames that will be used to mount the monorail must be pinned or bolted to the next set of frames below.

Bring complete monorail to installation level with (2) saddles and (4) mounting pins.

Installation of Monorail:

Place saddles on center of both scaffold frames. Raise SCAFFOLD MONORAIL to underside of crossbar and inset pins to secure. Where there is more than one set of holes, choose the set which are most nearly in alignment. It is important that both ends of rail are at the same height and that the rail is level.

Installation of Extension Rails (SMM-7):

Each section of extension is first attached to the preceding section. When the ears and alignment tabs are correctly aligned, the extension will slide into place. The opposite end of the extension is then raised up to the next frame cross piece and secured with the saddle and pins. Each succeeding section is installed in the same manner.

NOTE:

After hoist is installed, be sure to install retaining pin or bolt in open end of track to prevent hoist from coming out.