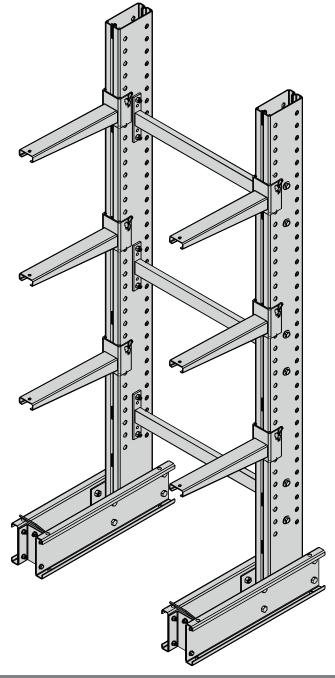


Instructions For Assembling MECO OMAHA

SERIES 3000 HEAVY DUTY CANTILEVER RACK, SERIES 4000 STANDARD HEAVY DUTY CANTILEVER RACK and SERIES 5000 EXTRA HEAVY DUTY CANTILEVER RACK



MODERN EQUIPMENT COMPANY 6161 ABBOTT DRIVE, OMAHA, NE 68110 1-800-228-7334



IMPORTANT!

Review this entire booklet thoroughly before proceeding with assembly of rack

This rack system should be professionally installed by individuals familiar with this type of structure. Any modification to the rack during or after its assembly may affect the rack's structural integrity.

General Assembly Procedure

- 1. Snap a chalk line on the floor to show where the front of the rack will be.
- 2. With the bolts finger tight assemble the first and second uprights to the bases and assemble the bracing in between uprights. Tighten all bolts in the first upright as described below making sure the upright is square with the base. Assemble the next upright finger tight and tighten the previous upright. Continue in this manner for each succeeding upright until the entire rack is assembled.
- 3. If floor is not level, place shims under the base until upright is vertical.
- 4. Tighten all bolts within a given connection to a snug-tight condition. Snug-tight is defined as the tightness that exists when the plies of the joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. Repeat this process for all connections in the rack.
- 5. Bases must be anchored to the floor. A minimum of two 1/2" x 4-1/4" anchors per base one at each end are required.

Maintenance

- 1. Inspect all bolted connections at least once each year and tighten any loose bolts using the procedure described above.
- 2. Should any rack component become damaged by either misuse or accident, the component must be replaced immediately.

Usage

- 1. Wherever possible, store the heaviest loads on the base or lowest level(s).
- 2. All loads shall be positioned as close to the upright as possible and centered left/right across the rack.
- 3. Do not slide loads onto or off of the rack.
- 4. Do not drop loads onto the rack.

HARDWARE KITS

HK01

(12) each ¾-10 X 1½ Bolt (12) each ¾-10 Nut (12) each ¾Split Lock Washer

HK02

(8) each ¾-10 X 1½ Bolt
(8) each ¾-10 Nut
(8) each ¾ Split Lock Washer

HK29

(5) each Standard Duty Lock Pin & Keeper HK30 (10' - 14' Upright) (6) each %-11 X 5½ Bolt (6) each %-11 Hex Nut (6) each %-11 Flat Washer

HK31 (15' - 20' Upright) (4) each %-11 X 5½ Bolt (4) each %-11 Nut (4) each % Flat Washer

HK32 (6' - 8' Upright) (4) each %-11 X 5½ Bolt (4) each %-11 Nut (4) each Flat Washer

HK40

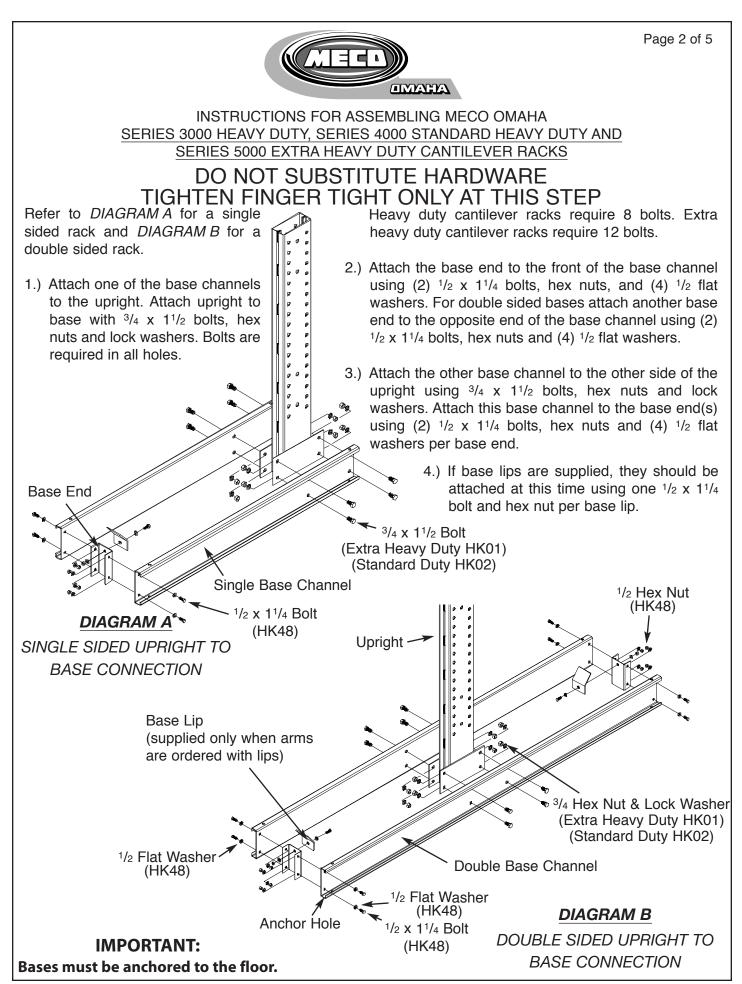
(10) each ¾-16 X 1 Bolt (10) each ¾-16 Lock Nut

HK47

(6) each ^{*}/₈-16 X 1 Carriage Bolt
(6) each ^{*}/₈ Flat SAE Washer
(6) each ^{*}/₄-16 Nut

HK48

(5) each ½-13 X 1¼ Bolt
(5) each ½-13 Nut
(5) each ½ Flat SAE Washer



OCTOBER 2013



INSTRUCTIONS FOR ASSEMBLING MECO OMAHA SERIES 3000 HEAVY DUTY, SERIES 4000 STANDARD HEAVY DUTY AND SERIES 5000 EXTRA HEAVY DUTY CANTILEVER RACKS

Attach horizontal braces to upright as shown in *DIAGRAM C* and *DIAGRAM D* using $5/8 \times 5^{1}/2^{"}$ bolts. Finger tighten only at this time.

6' - 8' uprights require (2) horizontal braces. See DIAGRAM E (page 4).

10' to 14' uprights require (3) horizontal braces. See DIAGRAM F (page 4).

15' to 20' uprights require (4) horizontal braces and X-braces. The X-braces are attached after the horizontal braces are assembled and before the hardware is tightened. See *DIAGRAM G* (page 4).

