

EXPANDED FOUNDATIONLESS JIB CRANES MANUAL ADDENDUM



NOTE: This manual addendum must be read first and used in conjunction with manual 103-0005, 103-0009, 103-0012 or 103-0029.

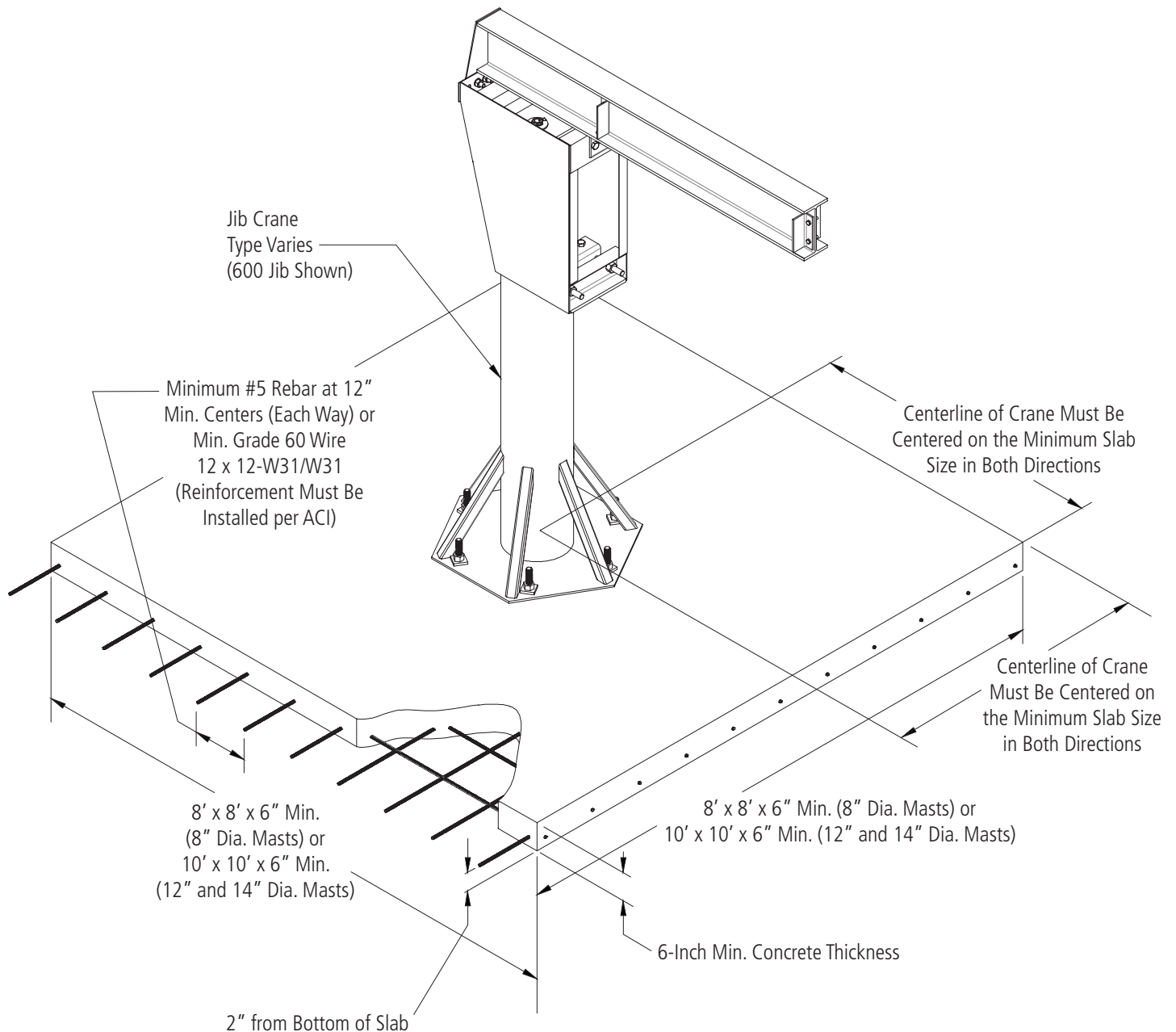
ISO 9001:2015 Registered

Manual Addendum 103-0080

Effective Date: December 2020

Spanco Expanded Foundationless Jib Cranes are industrial slab-mounted systems for indoor use that are bolted to reinforced concrete. Spanco requires a completed Expanded Foundationless Jibs Order Acceptance Disclaimer to confirm that the building and foundation can support this style of foundationless jib. A copy of the Expanded Foundationless Jibs Order Acceptance Disclaimer requirements are on pages 2-3 of this manual addendum. Ensure that the foundationless jib crane is installed per the requirements on the Expanded Foundationless Jibs Order Acceptance Disclaimer and manual 103-0005, 103-0009, 103-0012, or 103-0029.

Spanco Expanded Foundationless Jibs Illustration



NOTE: The illustration above shows a 600-Series Jib. Foundationless Jibs can also be 604, 605, or 600-300 Series Jibs.

Requirements for Order Acceptance

CONCRETE AND SOIL REQUIREMENTS:

- Minimum six-inch thick concrete, minimum 3,000 PSI, per the latest edition of the American Concrete Institute (ACI 318).
- 1,500 PSF minimum soil pressure under the concrete floor, which must meet International Building Code (IBC) Class 4 or better.
- Slab must be level, free from cracks, defects, expansion joints, walls, and seams.
- Eight-inch dia. mast slab is eight feet by eight feet by six inches deep (8' x 8' x 6" deep).
- 12-inch dia. mast slab is 10 feet by 10 feet by six inches deep (10' x 10' x 6" deep).
- 14-inch dia. mast slab is 10 feet by 10 feet by six inches deep (10' x 10' x 6" deep).
- Centerline of crane must be centered on slab centerline in any direction.
- Minimum grade 60 wire 12 x 12-W31/W31 installed per ACI, or, #5 bars at 12-inch centers, eight minimum each way for installation areas 8' x 8' x 6" deep and 11 minimum each way for installation areas 10' x 10' x 6" deep, installed per ACI and located two inches from bottom of slab.
- Moisture barrier per building designer and industry standards shall be provided beneath the slab.
- Residential slabs are not allowed.
- Spanco is not responsible for any deviation from these concrete requirements.
- Spanco recommends consulting with a local professional engineer prior to installation.
- Consult with a local professional engineer if you deviate from these requirements.

HILTI HARDWARE:

- HILTI EPOXY: HIT-HY 200 ANCHORING SYSTEM.
- HILTI ANCHORS: HAS-B-105 HDG or HAS-E B7.
- 3/4-inch diameter, 4-1/4-inch minimum embedment, not to exceed 3/4 of concrete depth.
- Chemical anchor bolts must withstand a minimum of 4,400 pounds (LBS) of pullout force.
- Anchors must be installed per Hilti instructions. See HILTI.COM. Chemical anchor bolts must be installed in exact accordance with the Evaluation Service Report (ESR-3187) and the manufacturer's recommendations.
- Nut must be fully engaged with bolt threads and torqued per Hilti value.
- For any questions, please consult with Hilti.
- 13,000 PSI high-strength, non-shrink grout required under entire base plate.
- Existing steel base plate holes may be upsized to accept larger diameter anchor bolts per ASCE (up to a maximum of 1/4-inch larger than the bolt diameter).

ADDITIONAL REQUIREMENTS:

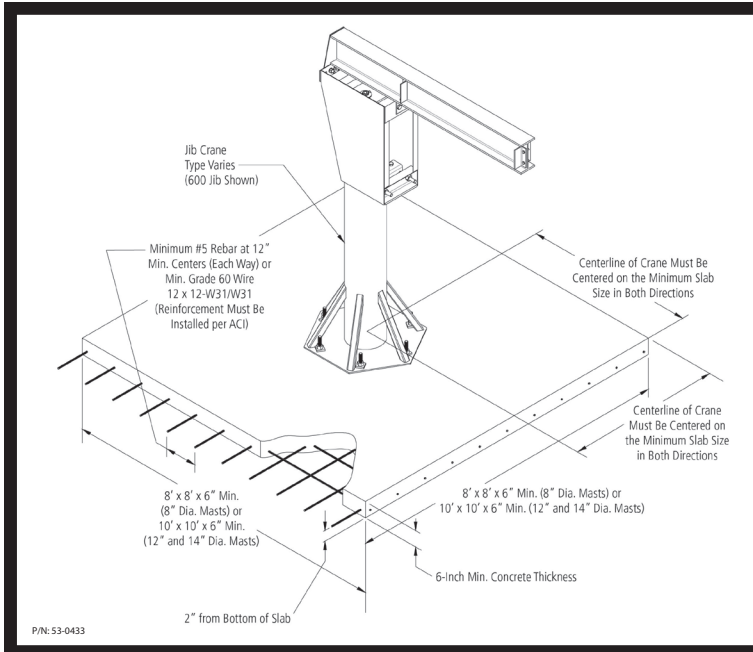
- After installation, the fully assembled crane must be load tested to 125 percent of the rated capacity per OSHA and ANSI before being placed into service.
- System and associated concrete flooring must be inspected at least annually per OSHA law.
- Seismic and subsoil considerations need to be determined by a local professional engineer.
- Shorter spans, shorter systems, and derating are offered. Longer spans, taller systems, and greater capacities are not offered.
- Please contact a Spanco Technical Sales Support Specialist for additional system options.

Labeling

All labeling must be legible and attached to the system. For replacement labels, contact Spanco®.

Label Placement Disclaimer

If system is shipped unpainted or without properly secured labels, proper label placement is the sole responsibility of the end user. Spanco cannot be held liable for any damage or injury resulting from omitted or improper label placement.



⚠ WARNING ⚠

- READ AND UNDERSTAND JIB MANUAL ADDENDUM 103-0080 AND MANUAL 103-0005, 103-0009, 103-0012, OR 103-0029 BEFORE OPERATING CRANE.
- CONCRETE SURROUNDING JIB CRANE MUST BE INSPECTED AT LEAST ANNUALLY PER FOUNDATIONLESS JIB MANUAL. IF LOST, CALL SPANCO FOR FREE REPLACEMENT.
- REMOVE FROM SERVICE IF CONCRETE IS CRACKED, CUT, DAMAGED, OR COMPROMISED IN ANY WAY. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH.
- NOT SEISMICALLY RATED. CONSULT WITH A LOCAL PE FOR SEISMIC APPLICATIONS AND SEISMIC SERVICE.

P/N 53-0433

NOTE: Label 53-0433 should be centered on the mast at eye level. The illustration on label 53-0433 shows a 600-Series Jib. Foundationless jibs can also be 604, 605, or 600-300 Series Jibs.

Assembly Instructions

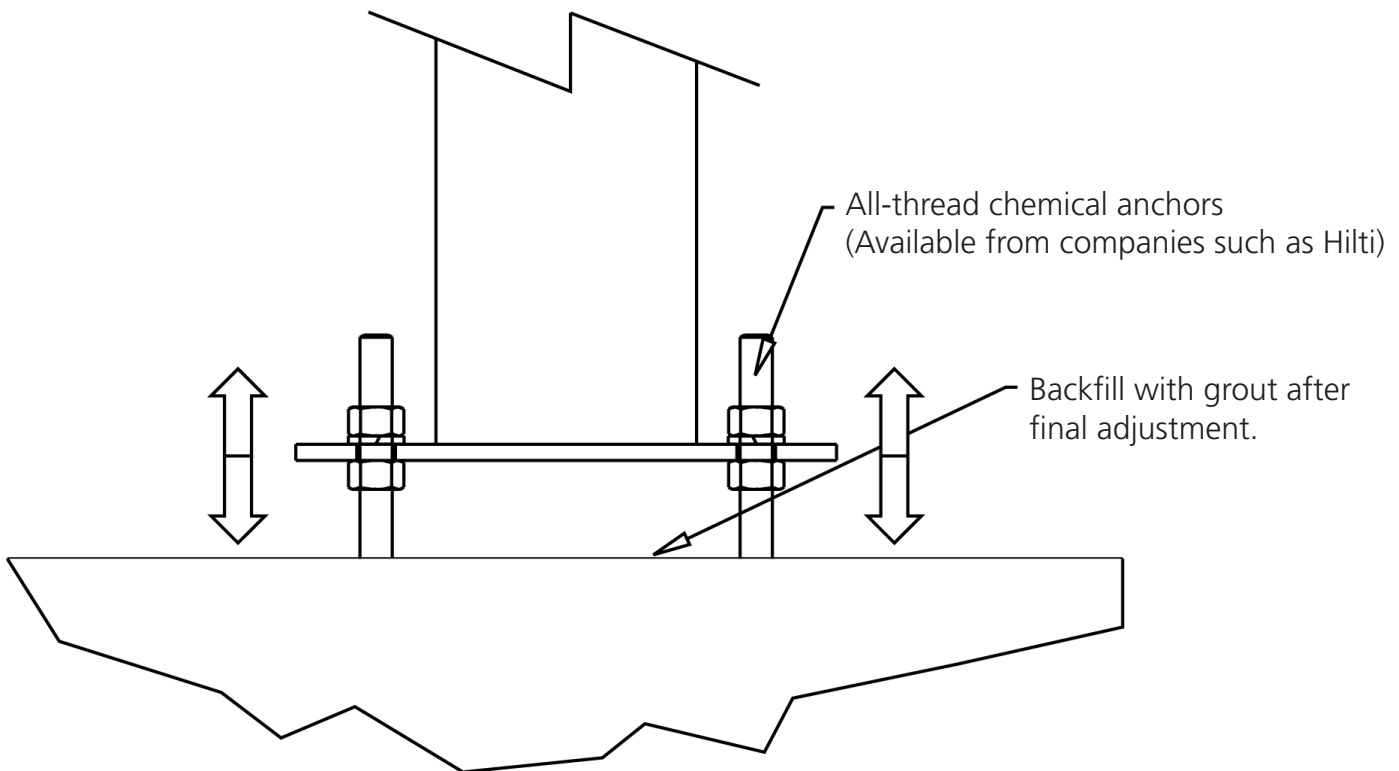
Follow all instructions in manual 103-0005, 103-0009, 103-0012, or 103-0029 and in conjunction with the instructions below.

NOTE: It is solely the customer's responsibility to provide the proper concrete foundation and anchor bolts for this system. Do not deviate from the required foundation, foundation size, provided hardware, or installation recommendations without consulting a qualified professional. If the required foundation is unknown, contact Spanco.

- 1) Mark the bolt-hole pattern on the foundation.
- 2) Install chemical anchor bolts in accordance with the bolt manufacturer's recommendations.
- 3) The finished installation requires full contact of the base plate on the foundation. All anchor bolts must have plate washers with standard clearance holes and adequate thickness for oversized base plate holes. Along with plate washers, a standard flat washer must be used on each anchor bolt.

Adjustable Method of Mast Anchorage

Adjust column height by adjusting nut height.



PRODUCT WARRANTY COVERAGE

Spanco, Inc. warrants its products to be free from defects in material and workmanship as follows:

- Manual Systems and Equipment: Ten Years
- Motorized Systems and Equipment and Paint and Finishes for Non-Aluminum Components: Two Years

Ten-Year Warranty Coverage:

- Defects in equipment material and workmanship of manual systems and equipment
- Only applies to the wearable wheels on workstation bridge crane end trucks and hoist trolley

Spanco, Inc. warrants its manual workstation bridge crane, jib crane, and gantry crane products to be free from defects in material and workmanship for a period of ten (10) years or 20,000 hours, commencing on the date of shipment to the first retail purchaser. This warranty extends only to parts that are not subject to normal wear and tear from use (nonwearable), with the exception that it does apply to the wearable wheels supplied on manually operated workstation end trucks and hoist trolleys.

Two-Year Warranty Coverage:

- Defects in equipment material and workmanship of motorized systems and equipment
- Paint coatings and finishes for non-aluminum components

Spanco, Inc. warrants motorized equipment to be free from defects in material and workmanship for a period of two (2) years or 4,000 hours, commencing on the date of shipment to the first retail purchaser. Spanco, Inc. warrants its paint and finishes for a period of two (2) years. Warranty claims related to coatings must be accompanied by documentation of the product's application and environmental conditions from time of delivery to time of claim.

WARRANTY TERMS & CONDITIONS

All warranty claims must be approved by Spanco before any work is performed. Spanco's obligation under this warranty is limited to the replacement or repair of Spanco products at the factory or separate location approved by Spanco. **Other than the above mentioned warranty, Spanco will not honor any other warranties—whether expressed, implied, or statutory—and disclaims any warranties of merchantability or fitness for a particular purpose.** Spanco has the right to reject any warranty claim due to harsh and/or inappropriate environmental conditions.

Spanco Is Not Liable for:

- Indirect, incidental, or consequential damages including lost profits, operating costs, loss of production, or travel expenses
- Components or accessories not manufactured by Spanco
- Defective equipment or system failure caused by misuse, negligence, and improper installation or maintenance
- Equipment that has been used in excess of its rated capacity or beyond its service factors
- Rework and modification of any equipment that has been altered without Spanco's written authorization
- Freight charges and damage incurred by freight carriers
- Any loss, injury, or damage to persons or property resulting from failure or defective operation of material or equipment

Reimbursement Disclaimer:

- Written notice of any claimed system defect must be given to Spanco within ninety (90) days of shipment.
- All requests for reimbursement must be accompanied by proper documentation.
- Reimbursement is provided in the form of a credit unless otherwise approved by Spanco management.
- Reimbursement for labor will be provided at a maximum rate of \$75 per hour.
- All reimbursement is subject to approval by Spanco management.

ABOUT SPANCO®

Our Commitment

Spanco professionals are dedicated to designing and manufacturing a variety of material handling solutions that meet all applicable CMAA, ANSI, OSHA, and MMA guidelines and standards. Our team of engineers and industry experts combine many years of experience in the material handling industry to manufacture material handling solutions that are backed by the best warranty in the industry.

Spanco production facilities are certified under the ISO 9001:2015 Quality Management System to provide superior quality products. And every welder at Spanco is certified to handle steel (D1.1) and aluminum (D1.2) in accordance with the rigorous requirements and lab testing established by the American Welders Society (AWS).

Spanco professionals welcome challenging projects that require custom crane engineering. Spanco also offers hundreds of pre-engineered lifting solutions, including Workstation Bridge Cranes, Jib Cranes, Gantry Cranes, Monorails, and Tractor Drives.

Our Production:

All of our systems are designed and manufactured in the United States of America. We have production facilities in Las Vegas, Nevada, and at our headquarters in Morgantown, Pennsylvania.

