

# INSTRUCTIONS FOR

## APPLICATION OF CHANCE EXTENSION/AUXILIARY ARMS

KEEP THESE INSTRUCTIONS WITH THE EQUIPMENT FOR FUTURE REFERENCE.

Extension and auxiliary arms, and the associated wireholders and braces, are intended for temporary support of energized conductors to provide clearance around the work space. These arms can be used in many configurations to adapt to the specific job required.

### ! CAUTION

THE EQUIPMENT COVERED IN THIS INSTRUCTION GUIDE MUST BE INSTALLED, USED, AND SERVICED ONLY BY COMPETENT PERSONNEL FAMILIAR WITH AND FOLLOWING GOOD WORK AND SAFETY PRACTICES. THIS EQUIPMENT IS FOR USE BY SUCH PERSONNEL AND IS NOT INTENDED AS A SUBSTITUTE FOR ADEQUATE TRAINING AND EXPERIENCE IN SAFE PROCEDURES FOR THIS TYPE OF EQUIPMENT.

### ELECTRICAL RATINGS:

#### GLOSSY, CLEAN AND DRY EPOXIGLAS®

15kV Phase to Phase (20 Inch Min. Wireholder Spacing)  
34kV Phase to Phase (20 Inch Min. Wireholder Spacing and M4805-7 Insulators are used on each wireholder)

### ! WARNING

THIS EQUIPMENT IS FOR TEMPORARY USE UNDER ENERGIZED CONDITIONS. TEMPORARY IS DEFINED AS 72 HOURS UNDER CLEAN AND DRY CONDITIONS. USE FOR A LONGER PERIOD OF TIME OR UNDER WET CONDITIONS WILL RESULT IN DEGRADATION OF THE ARMS, AND POSSIBLE ELECTRICAL TRACKING. THIS DEGRADATION AND TRACKING WILL RESULT IN A PHASE TO PHASE, OR A PHASE TO GROUND ELECTRIC ARC. DAMAGE TO EQUIPMENT AND POSSIBLE INJURY WILL RESULT.

### ! WARNING

ONLY WIREHOLDERS AND NECESSARY BRACES MAY BE MOUNTED TO THESE ARMS. DO NOT MOUNT ANY OTHER EQUIPMENT. OTHER EQUIPMENT MUST BE MOUNTED TO A SEPARATE, APPROPRIATE DEVICE. MOUNTING OTHER EQUIPMENT TO THESE ARMS MAY CAUSE DAMAGE TO EQUIPMENT, INJURY OR DEATH.

### ! WARNING

INSULATORS, SUCH AS M4805-7, MUST BE INSTALLED TO GAIN OVER SURFACE DISTANCE FOR POSSIBLE WET WEATHER CONDITIONS AND/OR INCREASING PHASE-TO-PHASE VOLTAGE RATING TO 34.5 kV UNDER CLEAN AND DRY CONDITIONS. THE INSULATORS ARE NOT FOR PERSONNEL PROTECTION. THE WIREHOLDER AND MOUNTING CLAMP ARE METAL AND WILL CONDUCT ELECTRICITY. DO NOT MAKE CONTACT WITH ANY PART OF THE WIREHOLDER. CONTACT WILL RESULT IN ELECTRICAL SHOCK WHICH WILL CAUSE INJURY OR DEATH.

These arms are for use on a straight line only. **Do not use this equipment if the side load of the conductors will exceed the ratings.** All equipment must be mounted securely. The arms must be used in a horizontal position. Supplied braces must be used to attain the stated load ratings. Braces must be installed at a 45° angle or as near the end of the arm as possible to provide adequate strength. If braces can not be used where specified, the load rating is 150 lb. (68 kg.) per wireholder. All loads must be as balanced as possible. Install conductors to maintain a balanced load on the arm.

Clean, inspect, and wipe the arms with a Hot Stick Wiping Cloth prior to each use. If the Epoxiglas® pole shows signs of degradation, **DO NOT USE THE TOOL** until it has been refinished and tested. See Chance catalog for cleaning and refinishing supplies.

These instructions do not claim to cover all details or variations in equipment, nor to provide for all possible conditions to be met with concerning installation, operation, or maintenance of this equipment. The presence of energized overhead lines in particular may necessitate alternate methods to prevent accidental contact with the lines. If further information is desired or if particular problems are encountered which are not sufficiently covered in this guide, contact A. B. Chance Company.

NOTE: Because Chance has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.



# CHANCE

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P400-1218 Rev. F

**! WARNING**

**Mechanical Load Ratings: Do not exceed these ratings!**

CATALOG NUMBER	DESCRIPTION	VERTICAL LOAD PER WIREHOLDER	MAX. TOTAL LOAD	SIDE LOAD PER WIREHOLDER
C400-1612 C400-1613 C400-1664 C400-1667 C400-1709 C400-1710 C400-1711	3 PHASE BOOM MOUNTED LIFT	400 lb. (141 kg.)	1200 lb. (545 kg.) BALANCED LOAD ONLY	100 lb. (45 kg.)
C400-0744	4x4 BOOM MOUNTED AUXILIARY ARM	200 lb. (91 kg.) WITH BRACES	1000 lb. (455 kg.) BALANCED LOAD 800 lb. (364 kg.) UNBALANCED LOAD	100 lb. (45 kg.)
C400-0745	4x4 BOOM MOUNTED AUXILIARY ARM MAST ASS'Y	200 lb. (91 kg.)	200 lb. (91 kg.) w/SINGLE WIREHOLDER	100 lb. (45 kg.)
C400 1821E C400-1821M C400-1950E C400-1950M T400-1992	BOOM MOUNTED ARM W/ LOAD MONITOR	200 lb. (91 kg.) WITH BRACES	1000 lb. (455 kg.) BALANCED LOAD ONLY	100 lb. (45 kg.)
H4863-10 T400-0361 T400-0698	BOOM MOUNTED ARM BI-POD MOUNTS	200 lb. (91 kg.) WITH BRACES	1000 lb. (455 kg.) BALANCED LOAD 800 lb. (364 kg.) UNBALANCED LOAD	100 lb. (45 kg.)
C400-1310	EXTENSION ARM	300 lb. (136 kg.)	600 lb. (273 kg.)	100 lb. (45 kg.)
H4800-60	EXTENSION ARM	150 lb. (68 kg.)	150 lb. (68 kg.)	100 lb. (45 kg.)
H4800-72 T403-2417	EXTENSION ARM	150 lb. (68 kg.)	300 lb. (136 kg.)	100 lb. (45 kg.)
C400-0517	CROSSARM SUPPORT	150 lb. (68 kg.)	150 lb. (68 kg.)	100 lb. (45 kg.)
H4809W T400-1940	TEMPORARY CROSSARM	200 lb. (91 kg.)	200 lb. (91 kg.)	100 lb. (45 kg.)
C400-1509 T400-1939	TEMPORARY CROSSARM	150 lb. (68 kg.)	300 lb. (136 kg.)	100 lb. (45 kg.)
C400-0075 C400-0076 C400-0370 T400-1974 T400-1824 H4862-8	AUXILLARY CROSSARM	150 lb. (68 kg.)	450 lb. (205 kg.)	100 lb. (45 kg.)
T400-1856 T400-1857	SUPPORT ARM	150 lb. (68 kg.)	450 lb. (205 kg.)	100 lb. (45 kg.)

The information contained in this instruction guide has been compiled as a result of review of the product, its intended application and use considerations. However, this instruction guide does not cover all details or situations in equipment use, nor does it provide for every possible contingency to be encountered in relation to installation, operation or maintenance. Should additional information and details be desired or specific situations arise which are not covered adequately for the user's purpose, consult your supervisor and the appropriate rules for safe work practices.