

Buckingham

MANUFACTURING CO., INC.

BuckTrainer

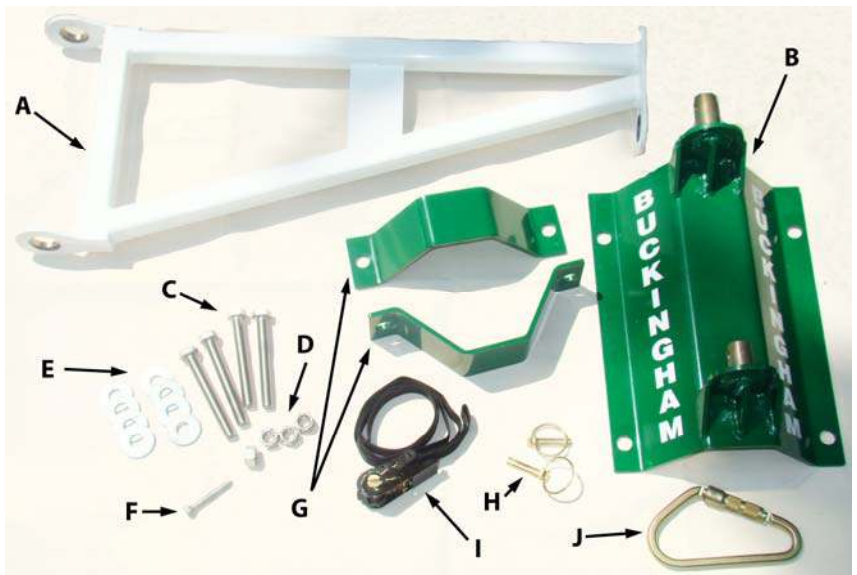
MODEL 5204

WARNING / INSTALLATION GUIDELINES

The Model 5204 BuckTrainer is a portable, lightweight, and height adjustable pole climbing training device that requires no pole drilling for installation. The green and white powder coated unit weighs just 54 lbs., yet maintains the 5000 lb. minimal tensile strength required by OSHA for anchor points. The Anchor Point Arm will rotate up to 250°. This unit is intended for and will accommodate poles from 6" to 9.5" in diameter. (NOTE: Poles from 6" to 6 1/2" diameter require shims underneath fastening straps whereas larger diameter poles 9" to 9.5" must be shaved to accommodate the BuckTrainer). NOTE: A 45 ft. class 3 pole should accommodate the 5204 BuckTrainer without shaving the pole. Use the Model 5203-12 Harness Beam for poles with diameters larger than 9.5" and up to 12". Make sure that all Instructions and Warnings are completely read and understood before using the BuckTrainer.

PARTS LIST

- A. One (1) BuckTrainer Anchor-Point Arm
- B. One (1) BuckTrainer Mounting Plate
- C. Four (4) $\frac{5}{8}$ "-11 x 6" Stainless Steel Mounting Bolts
- D. Four (4) Zinc Plated Nuts, $\frac{5}{8}$ "-11
- E. Eight (8) $\frac{5}{8}$ " Washers
- F. One (1) $\frac{3}{8}$ " x 2 $\frac{1}{2}$ " Lag Screw
- G. Two (2) BuckTrainer Mounting Straps
- H. Two (2) Snap Ring Pins
- I. One (1) 1" Ratchet Strap with Loop
- J. One (1) 5005L1 Carabiner



TOOLS & EQUIPMENT REQUIRE (Not Included With Unit)

- ONE (1) $\frac{15}{16}$ " Box End Wrench
- ONE (1) $\frac{15}{16}$ " Shallow Socket and Ratchet
- ONE (1) $\frac{9}{16}$ " Shallow Socket
- ONE (1) Handline
- ONE (1) Tag Line
- ONE (1) Level

WARNINGS

- Completely Read and Understand All Installation and Warning Guidelines Before Use.
- Use the BuckTrainer only with qualified trained supervision.
- Thoroughly inspect the BuckTrainer and all associated equipment prior to each use.
- DO NOT install the BuckTrainer on or near a utility pole that contains live power wires.
- Never install the BuckTrainer on a cracked or damaged utility pole.
- The BuckTrainer will function best on a utility pole that is plum

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INSTALLATION PROCEDURE

1. Attach the two mounting straps (G) to the mounting plate (B) as follows: Place a washer (E) on the mounting bolt (C) and insert the bolt from the front, through the bottom hole in the mounting plate (right or left side). Slide the mounting bolt through the mounting strap, install another washer and thread on a $\frac{5}{8}$ "-11 nut (D) until the threads protrude approximately 1". Attach the top mounting strap by using this same procedure, ensuring that the bolts are on the same side of the mounting plate. **NOTE: To prevent the possibility of the nut locking onto the bolt, Buckingham recommends the use of an anti-seize compound on the bolt threads before installing nuts.**
2. Connect the locking carabiner attached to the anchor mounting bracket of the Retractable Lifeline to the attachment hole of the BuckTrainer anchor point arm.

3. Securely tie one end of the handline to the top mounting bolt between the mounting plate and the mounting strap. Securely tie the other end of the handline to the narrow end of the anchor point arm as shown in Fig. 2.

4. Ascend the pole taking with you the following items:

- Two mounting bolts (C) & nuts (D).
- Four washers. (E)
- Two snap ring pins. (H)
- Lag screw. (F)
- 1" ratchet strap. (I)
- Hook end of the Handline
- $\frac{15}{16}$ " box end wrench.
- $\frac{15}{16}$ " & $\frac{9}{16}$ " shallow socket and a ratchet.
- Level

Fig. 2



5. Fasten the ratchet strap to the pole with the loop facing the intended direction of the anchor point arm.
6. Attach the handline pulley hook to the loop as shown in Fig. 3.
7. Using the $\frac{9}{16}$ " socket and ratchet securely thread the lag screw into the pole at a distance of approximately 3' from the bottom of the handline pulley. The lag screw should extend out of the pole approximately 1 $\frac{1}{2}$ ".
8. Hoist the mounting plate up to the desired location on the pole. Keep tension on the handline and position the mounting plate so that its bottom edge is resting on the lag screw.



9. While keeping tension on the handline, swivel the bottom mounting strap around the pole and align the holes in both the mounting plate and strap. Place a washer on the mounting bolt, slide it through the mounting plate and mounting strap, install another washer and a $\frac{5}{8}$ "-11 nut and tighten the bottom mounting strap enough so that the assembly will hold its position. (NOTE: Poles from 6" to 7" diameter require shims underneath fastening straps.) Release tension from the handline. Attach the top strap in the same manner as above. The assembly should appear as shown in Fig 4.

Fig.4



10. Untie the handline from the mounting bolt and secure it to a proper location on your body belt. (Do not drop handline it will be needed to hoist the anchor-point arm).
11. Using a $1\frac{5}{16}$ " box end wrench (on the mounting strap side) and a $1\frac{5}{16}$ " shallow socket and ratchet (on mounting plate side) tighten bolts until snug by using a diagonal pattern. Once all four bolts are snug repeat tightening until tight, again using a diagonal pattern.
12. Hoist the anchor-point arm up to the desired position. Place the anchorage-point arm onto the mounting plate by sliding the holes in the arm over the support pins of the mounting plate. See Fig. 5

Fig. 5



13. Insert one Snap Ring Pin in each Support Pin and place the ring over the top of the support pin, making sure the ring is fully depressed.
14. Using the top of the Anchor-Point Arm, check to ensure the unit is level. If not level, loosen either top or bottom nuts from their bolts as required to level. The use of shims is acceptable. Re-tighten nuts on bolts and re-check for level. Continue process until unit is level.
15. Also, tie a tag line to the Retractable Lifeline snap hook to pull the lifeline down to ground level and to control the speed of retraction upward into the housing when not in use.

Fig. 6

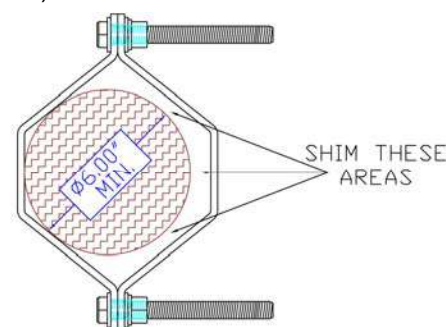


16. The fully installed BuckTrainer should appear as shown in Fig. 6.
17. Remove the handline and ratchet strap.

SHIMMING

Poles from 6" to 6 1/2" in diameter will not make contact with all inside surfaces of the mounting plate and straps. Proper attachment to these diameter poles require shims to be placed underneath the mounting straps.

- ☐ Shim under the mounting straps not under the mounting base (shim both straps).
- ☐ Shimmed straps must have a minimum of two points of contact with the pole.
- ☐ Use proper sized shims dependant on the spacing between the pole and the mounting straps (the length of shims must be greater than mounting strap width)
- ☐ Use a durable shim material such as solid hardwood.
- ☐ If the BuckTrainer is left on a pole for extended periods the installed shims must be frequently inspected to ensure proper placement and condition.





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MAINTENANCE / STORAGE

It is recommended that Support Pins (pivot points) be greased or sprayed frequently with a corrosion preventative such as WD-40. Unit should be inspected, cleaned and scratches touched up with paint before storage. Also, it is recommended that the unit be amply sprayed with a liquid automotive type wax and surface wiped clean prior to storage.

INSPECTION PROCEDURE

1. Inspect the complete BuckTrainer assembly and all associated equipment frequently and at regular intervals.
2. Inspection of the unit should include but not be limited to inspection for:
 - a. visible cracking
 - b. corrosion
 - c. excessive wear
 - d. distortion
 - e. any other visible damage
3. Check the two Snap Ring Pins for tightness, they should engage and disengage smoothly.
4. Check the arm for ease of movement. It should rotate smoothly and easily with no binding.
5. Check the arm for excessive vertical movement. Movement in this direction could mean worn bushings.
6. All welds must be inspected for visible cracks or breaks.
7. Ensure all mounting bolts turn smoothly and are not rusted. Replace at once any bolts that are rusted or damaged. If the BuckTrainer is installed on a pole, check that all mounting bolts are present and have not loosened. If any of the mounting bolts have loosened, retighten the loose bolt(s).

Contact Buckingham Mfg. Co. should you have questions relative to the installation and warning guidelines of this the product.



BINGHAMTON, NY

1-800-937-2825

E-Mail: Sales@buckinghammfg.com

www.buckinghammfg.com