

# BUCKINGHAM MFG.

## User Guide for Arborist Rings

### PN 100A, 200A & 300A

Warning: Do not use this product if you cannot understand and follow the instructions and warnings that come with it and complete all necessary functions.

Buckingham Arborist Rings are manufactured from a high-quality Aluminum Alloy and then anodized to create a smooth finish to provide an effortless rope pull. These multifunctional rings are designed to be used with a wide variety of arborist equipment such as friction savers, connection points, arborist saddles with rope or webbing suspension bridges etc. (Fig.1)

Fig.1



The rings have an approximate inside diameter of 1 5/32" (29mm) for the small ring (PN 100A), 1 7/8" (48 mm) for the large ring (PN 200A) and 2 1/2" (63.5 mm) for the extra-large ring (PN 300A). All three rings have a Minimum Breaking Strength (MBS) of 5000 lbf. (23 kN) in all directions.



- **Maintenance & Storage:**

Keep Arborist Rings dry and clean. Do not store in humid or salty air, with damp clothing or near corrosive chemicals. The use of lukewarm water with dish soap such as 'Dawn' provides the best and safest method of cleaning without having any adverse effects on the rings. Rinse rings in lukewarm water after cleaning. A clean dry cloth can be used to dry the rings. Lubricate lightly for prolonged storage with a lightweight lubricant such as WD-40®, etc.

- **Inspection and Retirement Criteria:**

All Arborist Rings must be inspected at time of purchase, before, during and after each use. Inspections must ensure all surfaces of the ring to be free of cracks, sharp edges, corrosion, burrs and excessive wear. If any evidence of wear, deterioration or impact loading as outlined is observed, immediately cease use, destroy the product, and replace it with new equipment. Should any unusual conditions not outlined above be observed, or you have reasonable doubt about a particular condition, remove the rings from service and notify your Supervisor, Safety Director or contact Buckingham Mfg. for clarification. Failure to carefully and completely inspect your rings could result in serious injury or death.

- **Limitations and Proper Use:**

Arborist Rings are designed and tested to specific load designations. Be aware of the designed load limitations and proper user techniques. Use appropriate working load limits (WLL) based on the application of use. Do not overload the Arborist Rings. Rings can and will fail under improper use. If you are not sure of proper application or user technique, seek proper training. Be certain this equipment is suitable for the intended use and work environment. If suitability for intended use is in doubt, contact supplier, consult a safety engineer, or contact Buckingham Mfg. at 1-800-937-2825 before using.

IF YOU HAVE ANY DOUBT CONCERNING THE USE OF THIS PRODUCT - DO NOT USE IT!

**Warnings:**

- This equipment is intended for use by properly trained professionals only. Special training and knowledge are required to use this equipment.
- Please consult with your physician prior to using this product. Do not use this product under the influence of drugs and alcohol.
- Buckingham Arborist Rings have a Minimum Breaking Strength (MBS) of 5000 lbf. / 23 kN. It is the user's responsibility to apply the appropriate Safety Factor to determine the correct Working Load Limit (WLL) based on the application of use of the Arborist Ring.
- Completely read, understand, and follow all markings, instructions, warnings, and guidelines pertaining to the use of Arborist Rings and all associated equipment before use. Failure to do so could result in your serious injury or death.
- Use and inspect this equipment in accordance with the manufacturer's instructions and applicable OSHA regulations.
- Do not file, engrave, etch, or modify Arborist Rings for any reason.
- Product must not be altered in any way.
- Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs to this equipment.
- Avoid contact of these rings with high temperature surfaces, welding, or other heat sources, electrical hazards and corrosive chemicals which may damage the material.
- Use Arborist Rings only for the specific purpose for which it is designed and intended.
- If an Arborist Rings is dropped or impact loaded, return to the manufacturer, or send to a qualified person for inspection.
- Contact Buckingham Mfg. Co. at 1-800-937-2825 should you have component / product inspection / findings / use questions.

## STATEMENT of OBSOLESCENCE:

Precise “useful life expectancy” or “shelf life” for this product is not specified, as the degree of use, conditions of use, and the degree of care and storage determines useful life. All users maintain responsibility to select proper equipment for the job, be properly trained in its use, and ensure all personnel support equipment passes inspection before each use. Upon evidence of defects, damage or deterioration, all equipment shall be removed from service immediately and tagged or marked as unusable or destroyed. Additionally, all equipment shall be inspected on a regular basis not to exceed one year by a Competent Person, as defined by OSHA/ANSI, to verify that the equipment is safe for use. In the event of any question or concern regarding the condition of such equipment, users shall remove the equipment from service for further inspection. All users must comply with OSHA/ANSI/ASTM standards prior to and in using such equipment. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

## INTERNATIONAL USERS:

Notwithstanding the above, please know that certain international jurisdictions require manufacturers of equipment to provide customers with a maximum useful lifespan (sometimes referred to as a “Statement of Obsolescence”). To the extent required, Buckingham personal protective equipment manufactured from synthetic fiber materials including but not limited to items such as webbing and/or rope are subject to a maximum useful lifespan of ten (10) years from the date of manufacture. As stated above proper usage, storage, maintenance, and care impacts the useful lifespan of equipment. Extreme circumstances may require that product must be retired after only one use. This statement is made in conformance and compliance with BS EN 365:2004. International users must ensure that product inspections are completed by Competent Persons as defined by international standards including but not limited to British Standard (“BS”). If equipment fails any inspections, it must be immediately withdrawn from service and destroyed. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

## OUR GUARANTEE:

We guarantee the equipment we manufacture to be free from defects in material and workmanship. We will repair any equipment deemed to be defective which is returned to us by the original purchaser. However, this guarantee is void if any product is changed or altered in any way, or if the product is used in a manner other than for which it is intended. This express guarantee supersedes all other expressed or implied guarantees, obligations or liabilities. There are no implied warranties of merchantability or fitness for a particular purpose and as such, all implied warranties are specifically disclaimed.

## LIMITATION ON LIABILITY:

In no event will Buckingham or buyer be liable to the other for lost revenues, lost profits or any other indirect, consequential, special or punitive losses or damages, however caused, whether in action for breach of contract, strict liability, tort, or otherwise, even if advised of the possibility of such losses or damages. In no event will Buckingham’s liability exceed the total amount paid by the buyer to Buckingham for the product or equipment giving rise to such claim(s).

Please see other terms and conditions relating to this product at <https://buckinghammfg.com/terms-conditions/>

## REGISTRATION:

Before use of the product, ensure to register and confirm the product at [www.buckinghammfg.com/register](http://www.buckinghammfg.com/register).

**BUCKINGHAM MFG.**  
BINGHAMTON, NY  
1-800-937-2825  
[www.buckinghammfg.com](http://www.buckinghammfg.com)

information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg. prior to the revision date of this document.