

# BUCKINGHAM MFG.

## INSTRUCTIONS / WARNING

### Occupational Protective Belts

Manufacturer's instructions shall be provided to the user of this product. If additional copy is needed, contact Buckingham Mfg. Co. Read carefully, understand and heed these and all instructions, warnings and cautions packaged with this product before using this equipment. Failure to do so could result in your serious injury or death. Employer – instruct employee as to the proper use, warnings and cautions before use of this equipment.

Buckingham Occupational Protective Belts are intended as personal protection equipment for use by properly trained professionals only. Each piece of equipment is important in its function and design and in its relationship to all other components. Belts must be worn around the waist with attachment point centered in back. Only positioning connecting devices should be attached to side D-Rings, as side D-Rings are not intended for fall arrest.

Selection of products should be such that they aid the worker in the performance of his job and particular work situation. Therefore, be certain this equipment is suitable for the intended use and work environment. It should only be used as personal protection equipment as outlined in OSHA1910.67. If suitability for intended use is questionable, always consult your Supervisor, Safety Director or contact Buckingham Mfg. at (607) 773-2400 or 1-800-937-2825.

Do not alter this product in any way. If a belt strap does not fit properly, replace it with one of the correct size. Wear belt snug but not tight.

Thorough employee training in the selection and proper use of personal protection equipment is imperative.

### **INSPECTION**

Prior to each use, carefully inspect the belt for indications of wear, deterioration or impact loading. The inspection should include, but not be limited to, inspecting for:

- product with all leather strength components. If found, immediately cease use, discard and replace as product does not meet existing standards
- webbing cuts, kinks, abrasions, burns, excessive swelling, excessive wear, discoloration, cracks, charring, broken fibers, loose stitching, chemical or physical exposures and buckle holes in strap are not damaged
- loose, bent or pulled rivets, bent grommets, and broken, cut or burned threads
- tongue of buckle does not bind on buckle frame
- nicks, cracks, distortion or corrosion of hardware (buckle, "D"-ring, etc.)

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 equipment from service and notify your Supervisor, Safety Director or contact Buckingham Mfg. for clarification.

Failure to properly select equipment for the job at hand and carefully and completely inspect your equipment could result in serious injury or death.

### **CAUTION**

- This Product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- Fall protection equipment, (i.e. fall arrest, work positioning belts, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user as assurance can not be granted that a used product meets criteria of applicable standards and is safe for use to a subsequent user.
- Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs to this equipment.
- Equipment subjected to impact loading must be immediately removed from service, destroyed and discarded.
- In the event of a fall, the employer must have a rescue plan and the means to implement it.

- Only positioning connecting devices should be attached to side D-rings, as side D-rings are not intended for fall arrest.
- Do not connect any tools, accessory loops / snaps, etc. to the circle D-rings. D-rings are for attachment of locking connecting devices only.
- Always visually check that: 1) each snap hook / carabiner freely engages D-ring or anchor point, 2) keeper / gate is completely closed with each use. **Never** rely solely on the feel or sound of a snap hook / carabiner engaging.
- Make sure each snap hook / carabiner is positioned so that its keeper / gate is **never** load bearing.
- Ensure there is no pressure on the snap hook locking mechanism sufficient to depress it as this will, due to its length, render it incompatible with currently designed rings and make it very susceptible to rollout.
- Never disable locking keeper / gate on snap hook / carabiner, punch holes in or alter a connecting device in any way.
- Avoid contact of this equipment with sharp edges, abrasive surfaces, high temperature surfaces, welding, or other heat sources, electrical hazards or moving machinery.
- Avoid contact of this equipment with chemicals that may damage the material. If in doubt, contact Buckingham Mfg. Co.
- This equipment is for personal use only, not towing or hoisting.
- **Never** work without independent fall arrest protection if there is danger of a fall.
- Always visually check that all buckles and snap hooks or carabiners are properly closed before use.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.

## **CLEANING / STORAGE**

Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. Storage areas should be clean, dry and free of exposure to corrosive elements, fumes, etc. Nylon and polyester should be cleaned with water and mild soap (a dish washing soap that removes grease (i.e. Dawn)) and be allowed to dry thoroughly without using excessive heat.

NOTE: Ensure proper fit / size of product before use. This product **can not** be returned unless it is in new / unused condition

## Properties of Occupational Protective Belt Materials

Material	Effect of Heat	Effect of Acids & Alkalis	Effect of Bleaches & Solvents	Resistance to Mildew, Aging, Sunlight, Abrasion
Polyester	Sticks at 440 to 445° F. Melts at 482° F.	Good resistance to most mineral acids. Dissolves with partial decomposition in concentrated solution of sulfuric acids. Good resistance to weak alkalis. Moderate resistance to strong alkalis at room temperature. Disintegrates in strong alkalis at boil.	Excellent resistance to bleaches & other oxidizing agents. Generally insoluble except in some phenolic compounds.	Not weakened by mildew. Excellent resistance to aging & abrasion. Prolonged exposure to sunlight causes some strength loss.
Nylon 6	Melts at 419 to 430° F. Slight discoloration at 300° F when held for 5 hr. Decomposes at 600 to 730° F.	Strong oxidizing agents & mineral acids cause degradation. Others cause loss in tenacity & elongation. Resists weak acids. Soluble in formic & sulfuric acids. Hydrolyzed by strong acids at elevated temperatures. Substantially inert in alkalis.	Can be bleached in most bleaching solutions. Generally insoluble in organic solvents. Soluble in some phenolic compounds.	Excellent resistance to mildew, aging & abrasion. Prolonged exposure to sunlight causes some degradation.
Nylon 6,6	Sticks at 445° F. Melts at 480° to 500° F. Yellowing slightly at 300° F when held for 5 hr.	Unaffected by most mineral acids, except hot mineral acids. Dissolves with partial decomposition in concentrated solution of hydrochloric, sulfuric & nitric acids. Soluble in formic acid. Substantially inert in alkalis.	Can be bleached in most bleaching solutions. Generally insoluble in organic solvents. Soluble in some phenolic compounds.	Excellent resistance to mildew, aging & abrasion. Prolonged exposure to sunlight causes some deterioration.
Kevlar	Difficult to ignite. Does not propagate flame. Does not melt. Decomposes at about 900° F.	Good resistance to dilute acids and bases. Degraded by strong mineral acids and, to lesser extent, by strong mineral bases. Best chemical resistance from Kevlar 149.	Should not be bleached. Excellent solvent resistance.	Excellent resistance to mildew & aging. Prolonged exposure to sunlight causes deterioration, but fibers self-screening. Good abrasion resistance.
Nomex	Does not melt. Decomposes at 700° F.	Unaffected by most acids, except some strength loss after long exposure to hydrochloric, nitric & sulfuric. Generally good resistance to alkalis.	Unaffected by most bleaches & solvents except for slight strength loss from exposure to sodium chlorite.	Excellent resistance to mildew & aging. Prolonged exposure to sunlight causes some strength loss. Good abrasion resistance.



STANDARD OCCUPATIONAL PROTECTIVE BELT LABEL (not to scale)

<b>P/N</b> <b>???????</b> <b>DATE:</b> <b>???????</b>	<b>SIZE:</b> <b>??</b>	<b>BUCKINGHAM MFG CO.</b> <b>BINGHAMTON, NY</b> <b>(800) 937-2825</b>
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <ul style="list-style-type: none"> <li>▪ BUCKINGHAM MFG. REQUIRES THE USE OF LOCKING SNAPHOOKS</li> <li>▪ NEVER ENGAGE TWO SNAPHOOKS TO ONE "D" RING, UNLESS USING LOCKING SNAPHOOKS DESIGNED FOR SUCH APPLICATION</li> <li>▪ ENSURE CIRCLE "D" RING IS VOID OF ANY OBSTRUCTIONS</li> <li>▪ VISUALLY CHECK THAT SNAPHOOK IS PROPERLY ENGAGED IN "D" RING</li> <li>▪ NEVER ENGAGE A SNAPHOOK TO A SNAPHOOK</li> <li>▪ DO NOT ALTER THIS PRODUCT</li> <li>▪ DESTROY AND REPLACE ANY EQUIPMENT WHICH HAS BEEN SUBJECTED TO IMPACT LOADING.</li> </ul> </div> <div style="width: 48%;"> <ul style="list-style-type: none"> <li>▪ KEEP TOOL CARRIERS AND OTHER OBJECTS CLEAR OF "D" RING</li> <li>▪ USER IS RESPONSIBLE FOR SAFE WORK PRACTICES</li> <li>▪ INSPECT PRODUCT THOROUGHLY BEFORE EACH USE-SEE INSTRUCTIONS</li> <li>▪ SEE ADDITIONAL WARNINGS INCLUDED WITH THIS PRODUCT</li> <li>▪ USER WEIGHT NOT TO EXCEED 350 LBS WHEN FULLY EQUIPPED</li> <li>▪ SERIOUS INJURY OR DEATH CAN RESULT FROM IMPROPER TRAINING OR IMPROPER USE OF THIS PRODUCT</li> </ul> </div> </div>		

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**BUCKINGHAM MFG. COMPANY, INC.**

1-800-937-2825

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.