

OSHA Man Basket User Manual

Rev 2017.1

March 8, 2017

OMB-1

OMB-2

OMB-4

OMB-F



Welcome

Thank you for your purchase of the Billy Pugh Co. OSHA Man Basket. Record Purchase Date, Distributor's Name, Model Number & Serial Number in the space provided below.

Purchase Date	
Distributor's Name	
Model No.	
Serial Number(s)	

IMPORTANT: The Purchase Date combined with the Distributor is key to retain any documentation or certifications that may be lost in the future. Please reference these when contacting our customer support.

WARNING: We have tried to make this manual as complete as possible and hope you will find it useful. BPC reserves the right to make changes from time to time, without notice or obligation, in prices, specifications, colors, and material, and to change or discontinue models.

Introduction

As President of BPC Inc., I want to personally thank you for your purchase of the Billy Pugh Co. OSHA spec man riding basket. You can be confident that you now have a product from a company that has spent 60 years building a reputation for safety and innovation. From our offshore personnel transfer devices, way back to the rescue systems for the APOLLO moon missions, we continually strive for excellence.



BPC man baskets are built to the highest standards for quality. They are built to the latest OSHA standards for safety and they are manufactured right here in the United States.

For almost 60 years we have worked with the industrial construction as well as the offshore oil and gas industry to supply safety equipment that enhances the security of personnel working in both of these challenging environments. The OMB line of equipment follows our tradition of cooperation between BPC and the industry to provide safe and quality equipment at a reasonable price.

Thank you for making the OMB one of the most successful products in Billy Pugh Co.'s line of safety equipment. We take a great deal of pride in the fact that you trust the safety of your most valuable asset, your people, in our hands every day.

Paul W. Liberato

Paul W. Liberato
President
Billy Pugh Company

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Specifications

Dimensions

Model	Imperial			Metric		
	Width	Length	Height	Width	Length	Height
OMB-1	36 in	36 in	90 in	92 cm	92 cm	229 cm
OMB-2	48 in	48 in	91 in	122 cm	122 cm	231 cm
OMB-4	48 in	80 in	91 in	122 cm	203 cm	231 cm
OMB-F	48 in	48 in	67 in	122 cm	122 cm	244 cm

Capacity

Model	Passenger Capacity	Imperial	Metric
OMB-1	1	300 lbs.	136 kg
OMB-2	2	1000 lbs.	454 kg
OMB-4	4	1000 lbs.	454 kg
OMB-F	2	600 lbs.	272 kg



What is included

OMB Parts List:

- **Basket.** Each man basket comes fully assembled and ready to use.

Every OMB is shipped with the following accessories:

- **Certification package.** Manufacturer Certificate.
- **User Manual.** This user manual is included. In the back of this manual you can also find daily inspection cards.

Operations

Prior to each use, a visual inspection should be undertaken by a qualified person. Particular attention for the OMB-1, OMB-2, and OMB-4 should be paid to load bearing lines, hardware, fall restraint lanyard, covers and flotation.

Load Restrictions *

Loads must not exceed the maximum load designation marked on the man basket, and lines supporting the basket must be capable of supporting at least seven times the intended load. OSHA requires that tools and materials be secured and spread evenly over the basket's floor to prevent tipping. Only workers trained in the task to be performed should be permitted in the man basket when it is hoisted.

Rigging *

Bridles, links and shackles are parts of the rigging system that attaches the man basket to the crane or derrick and provide safety measures to prevent the basket from falling or tipping. OSHA requires that the man basket's load be evenly positioned among bridle legs to avoid placing excessive strain on one leg. The rigging system supporting the man basket must be used only for that purpose, and all hooks and attachment mechanisms must be capable of closing and locking to avoid the possibility that a hook may open while the basket is suspended.

Individual Safety

Workers should keep all body parts inside the man basket while it is being lifted, positioned and lowered, and should ensure the basket is secured before entering or leaving it. Workers should wear a personal fall arrest system, and hard hats should be worn at all times to protect workers from falling objects.

Forklift Procedures

Chain should be attached securely to forklift back rest when basket is in use.

* Please note: This does not pertain to the OMB-F

Recommended Practices

The following minimum lifting practices are recommended for all crane assisted OSHA Man Baskets:

- A pre-use inspection should be conducted prior to any personnel carrier lift.
- Cranes assigned to personnel lifting duties should be suitable for this purpose.
- Operators assigned to personnel lifting duties should be certified and competent to perform this task.
- The basket should be legibly affixed with warning labels included by the manufacturer. If labels are missing or covered over, BPC should be contacted so that new labels can be supplied and affixed.
- The basket is designed to carry the number of riders specified in this manual as well as the hand tools for the job requirement. Make sure all tools are secured during the lift and tethered while performing the job.
- Before any attempt is made to lift personnel with this basket, clear instructions should be given to all persons involved.
- If crane operator's view of the riders is obstructed, the basket should not be moved until alternative communication or signal devices are established.
- Upon completion of the job the rider and basket should be gently lowered to the deck. The rider should have knees bent just prior to landing to absorb any residual landing shock.
- The crane operator may refuse to lift any person who does not comply with his instructions.

OMB Inspection Instructions

All inspections should be performed by a qualified person. The following includes the inspection procedures for the OSHA Man Basket.

Line Instructions for the OSHA Man Basket Inspection form:

1. The first section of the inspection should be the “Markings”. The inspector should make sure that the load capacity, manufacturer’s name, Serial Number and other pertinent information on the checklist is legibly marked. Under “Status” the inspector should mark the checklist with the appropriate letter(s). S=Satisfactory, D=Deficiency, R=Recommendation or N/A=Not applicable. This will be covered in items 1-5.
2. The second section relates to General Damage on the Structure. – Check for any damage or defect on all parts of the unit. Review the overall appearance of the basket and the amount of usage that the unit has had over its service life. Pad Eyes (not applicable to the OMB-F) – Begin by inspecting the welds on the pad eyes. They should be in good condition with no cracks, excessive corrosion or damage. Move on to the gussets (the supports in the upper corners of the basket) and do the same inspection on those welds. Expanded Metal – Check the upper expanded metal. There should be welds on approximately every third mesh. Check the other expanded metal on the lower parts of the basket for the same damage. Steel Frame – Check the steel on the entire frame for bends, damage, corrosion or any deformity that would affect the strength or performance of the OMB. Door – Inspect the door making sure that it opens and closes easily. Lubricate the hinges if necessary. The latch should secure the door and work easily. Bottom – Check all the welds using accepted industry practices for weld inspection. Now go to the Inspection checklist and fill in the Status of the required section (6-13) based on your review.
3. Wire Rope Sling or OMB-F Chain – To inspect the sling or chain, remove it and follow accepted industry procedures for inspection. This would include the hardware such as the Crosby lifting rings. Look for excessive wear, damage or corrosion. Go to the Inspection Checklist and fill in boxes 14-17 that refer to “Attachment Mechanism”.

API definition of *Qualified Person* – A person designated by the employer who has the experience and formalized training to safely operate the crane, rigging, and associated lifting devices assigned at the work location.

Responsibilities

It is the responsibility of the employer to ensure this recommended practice is applied appropriately within their organizations. Management of offshore personnel transfer safety should be an integral component of the employers existing Safety and Environmental Management Plan (SEMP).

OMB Inspection

Personnel Basket
Inspection Checklist

Owner:	Location:	Date:
Manuf:	Max. Capacity:	Service Status:
Model/Type:	Serial Number:	Inspector:
Unit ID#	Basket Weight:	Certificate #:

Status: S= Satisfactory D= Deficiency R= Recommendation N/A= Not Applicable
Inspection Classification: ASME B30.23

Item	Status	<u>Comments:</u>	
Markings			
1. Load Capacity Legible			
2. Manuf. Name Legible			
3. S/N # Legible			
4. Basket Weight			
5. Other			
Structure			
6. Corrosion			
7. Welds			
8. Hand Rail			
9. Fall Protection Anchorage Points			
10. Gate Lock			
11. Suspension Attachment Points			
12. Overall Integrity of Basket			
13. Other			
Attachment Mechanisms			
14. Pins/Ears/Bolt-Ups/Eyes (Circle)			
15. Wire Rope/Chain/Rigid Leg (Circle)			
16. Master Links			
17. Other			
Special Purpose Items			
18.			
19.			

SAFETY CHECKLIST

This checklist is tailored for the OMB-1, OMB-2, and OMB-4. Conforms to OSHA [29 CFR Part 1926.1431](https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=97).

<p>PRE-LIFT MEETING</p> <ul style="list-style-type: none"> ✓ This lift is the only way to do the job. ✓ Rules and checklist handed out to the following people at this meeting: ✓ Operator ✓ Signal person ✓ Workers to be lifted ✓ Supervisor <p>BEFORE THE LIFT</p> <p>Workbasket design</p> <ul style="list-style-type: none"> ✓ Designed by qualified engineer or experienced, qualified person. ✓ Basket can support its own weight and 5 times its intended load. ✓ Access gate is equipped so that door won't swing out. ✓ All surfaces are smooth. ✓ Standard guardrail inside, with toe board. ✓ Hand rail/grab rail inside to hold onto. ✓ Sides closed off, floor to guardrail, with 1/2-inch or less wire mesh. ✓ Room to stand up in basket. ✓ Overhead protection from falling objects. ✓ Label on basket of basket's weight. <p>Rigging</p> <ul style="list-style-type: none"> ✓ Rigged so it won't tip when lifted. ✓ Legs of wire rope bridle connected to master link (D-ring). ✓ All hardware can support 5 times intended weight (except when non-rotational rope is used, then it's 10 times). ✓ Hooks capable of opening and closing. ✓ Wire rope "eyes" have thimbles. <p>Crane</p> <ul style="list-style-type: none"> ✓ Load line can support 7 times intended load. ✓ Load chart examined for maximum pick. Cut chart numbers in half. ✓ No live booms. 	<ul style="list-style-type: none"> ✓ Boom angle indicator. ✓ Extension boom marked for length. ✓ Anti-two blocking devices installed on boom. ✓ Outriggers fully extended, cribbed up. ✓ Crane off the ground. If on the wheels, then de-rate. <p>Site layout</p> <ul style="list-style-type: none"> ✓ Site ready for crane. ✓ Distances from crane to loads measured. <p>TEST LIFT</p> <ul style="list-style-type: none"> ✓ Inspected by competent person. ✓ Lift to actual site with total load (no people). ✓ Hoist rope has no kinks. ✓ Multiple part lines not wrapped around one another. ✓ Primary attachment is centered. ✓ Load line taut and lines reeved properly. <p>DURING THE PERSONNEL LIFT</p> <ul style="list-style-type: none"> ✓ Body parts inside cage (except signal person as required). ✓ Tie off to load block/ball. ✓ Platform must be tied off when in the air. ✓ Workers in direct sight of crane operator (radios can substitute). ✓ Crane operator in cab at all times. ✓ Other lifts or picks not made while platform in the air. ✓ Stop the operation in bad weather or adverse conditions. ✓ No travel with people, except with portal, locomotive, or tower cranes, and: ✓ No other safer way to do the job. ✓ Restricted to track or runway. ✓ Boom at lift radius. ✓ Boom parallel to travel. ✓ Test lift made. ✓ Tire pressure checked. ✓ Crane de-rated.
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References

OSHA Regulation - OSHA 29CFR 1926.550(g)

https://www.osha.gov/FedReg_osha_pdf/FED20100809.pdf

OSHA Regulation - OSHA 29CFR 1926.1431

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=97

OSHA Regulation 29 CFR 1926.602

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10769

OSHA Regulation 29 CFR 1926.502 (m)

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_id=10758&p_table=STANDARDS

ANSI/ITSDF B 56.1-2012

<http://www.itsdf.org/docs/standards/ITSDF%20B56-1-2012-rev-08-15-12.pdf>

ANSI/ITSDF B 56.6-2011

<http://www.itsdf.org/docs/standards/b56-6-2011-r020911.pdf>

OSHA Regulation - Part Number: 1926 • Part Title: Safety and Health Regulations for Construction • Subpart: N • Subpart Title: Cranes, Derricks, Hoists, Elevators, and Conveyors • Standard Number: 1926.550 • Title: Cranes and derricks.

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=97

Charles A. Roberts, 'OSHA's new rules for crane suspended personnel platforms', SMC Concrete Construction, Publication # C890560, 1989. [Online].

<http://www.concreteconstruction.net/view-object?id=00000153-8bae-dbf3-a177-9fbf53bd0000>

Kennedy Wire Rope & Sling Company – “Procedures for Inspection & Maintenance of Wire Rope Slings and Rigging”

Thank you

Thank you for purchasing the OSHA Man Basket. This manual contains information for operating, maintaining and storing your OSHA Man Basket.

For more information on training and questions about your OMB, please visit Billy Pugh Company online at www.bilypugh.com or contact us using the information below:

Billy Pugh Co., Inc.
P.O. Box 802
Corpus Christi, TX 78403

Tel (361) 884-9351
Fax (361) 888-5806

Thank you again for making the OMB one of the most successful products in Billy Pugh Co.'s line of safety equipment. We take a great deal of pride in the fact that you trust the safety of your most valuable asset, your people, in our hands every day.

For more information.

Visit us online at www.bilypugh.com
or call us at (361) 884-9351





www.bilypugh.com