

Hi-Tech Hoist Material Baskets

1. Overview

Thank you for your purchase of a Material Basket manufactured by Hi-Tech Hoist. Material Baskets are available in a wide variety of sizes, configurations, and capacities. The figure below illustrates some of the common versions and options.

Material Baskets



TILTABLE BUCKETS
The buckets rotate 360° to allow for easy dumping & safely locks in the upright position during transportation

PN: PTB-1



EQUIPMENT BASKETS
Versatility makes these the most popular accessory for use with cable hoists

PN: PEB



MATERIAL BASKETS
Lightweight baskets transport loose materials - popular on demolition sites

PN: PMC

Basket Options: 5" Poly Casters for PEB & PMC, 3"x 6" Fork Lift Pockets for PEB & PMC

2. Safety

2.1. Responsibility

- 2.1.1. It is the Owner's responsibility to insure the Material Basket is used in accordance with this manual and any applicable standards, codes or regulations associated with the use of this style material basket and the devices used to lift the basket
- 2.1.2. Only trained, designated persons should use the material basket
- 2.1.3. All operators shall read and understand this manual before using the Material Basket.
- 2.1.4. Material Baskets should only be used for their intended purpose.
- 2.1.5. It is the responsibility of the owner to determine the suitability of the Material Basket for the application

2.2. Operators

- 2.2.1. Operators shall never use a basket tagged as "OUT OF SERVICE" or otherwise designated as nonfunctioning
- 2.2.2. Operators should never use a basket with worn, damaged or loose components. A deficient basket should be removed from service and a qualified person notified
- 2.2.3. If the operator has any doubt as to the condition or safety of the Material Basket or use of the Material Basket they should contact a qualified person
- 2.2.4. Never exceed the rated capacity of the material basket
- 2.2.5. Always include the weight of the basket in figuring the lifting load. Do not exceed the limits of the lifting device
- 2.2.6. Always center and secure loads in the Material basket
- 2.2.7. Insure all gates, latches, slings and hardware are secure before lifting
- 2.2.8. The Material Basket should never be used, or allowed to be used to lift people or lift loads over people
- 2.2.9. The operator shall give attention to the material basket and load during a lifting sequence
- 2.2.10. When physically or otherwise unfit or impaired the operator shall not operate equipment
- 2.2.11. Any damage to the Material Basket or deficiency observed in association with the basket shall be reported to a qualified person for evaluation.
- 2.2.12. The operator and all other personnel shall remain clear when the Material Basket is in use
- 2.2.13. Do not allow the Material Basket to come into contact with any obstructions during use
- 2.2.14. Never leave a load suspended in the material basket

- 2.2.15. Never disconnect the Material Basket from the lifting device with a load suspended
- 2.2.16. Never disconnect or adjust slings with a load suspended
- 2.2.17. Always leave the Material Basket in a safe area with no danger of leaning, falling or rolling

2.3. Inspections

- Operators shall never use a basket tagged as “OUT OF SERVICE” or otherwise designated as nonfunctioning
- Operators should never use a basket with worn, damaged or loose components. The basket should be removed from service and a qualified person notified
- If the operator has any doubt as to the condition or safety of the Material Basket or use of the Material basket they should contact a qualified person

2.3.1 Before Each Lift

1. Verify the Basket is free of debris
2. Visually inspect for loose, worn, or damaged components
3. Load is centered and secured prior to lift
4. Gates, latches, shackles, hooks and slings are closed and secure
5. Basket is properly attached to lifting devices

2.3.2 Daily

1. Inspect for wear, damage, cracks or deformations
2. Verify any guards, fasteners, nameplates and signage are intact and readable

2.3.3 Periodic (minimum recommended every 6 months)

These inspections should be recorded in a written record

1. Inspect for loose bolts, pins, latches, or hardware
2. Inspect for cracks, wear, or damage to the basket and slings
3. Inspect for wear on linkages, lifting points, shackles, hooks and other hardware

3. Maintenance

- 3.1. Disconnect basket from hoist, crane or other lifting device before servicing
- 3.2. Only qualified persons should perform tests and repairs on a Material Basket
- 3.3. Dated records of inspections, repairs and adjustments should be maintained by the owner
- 3.4. Any hazardous condition found relating to the Material Basket should result in the immediate removal from service of the Basket until appropriate repairs can be done by a qualified person
- 3.5. Any Basket removed from service should be tagged “OUT OF SERVICE”

- 3.6. "OUT OF SERVICE" Tags should not be removed without the approval of the person
- 3.7. Prior to initial use all new or repaired Material Baskets should undergo a proof load test of not less than 80% and not more than 125% of the rated load in accordance to ASME B30.20 1.3.8.1-2. This test should be conducted by a qualified person.
- 3.8. Baskets that have not been in use of more than 1 month should undergo the frequent and periodic inspections described in the INSPECTIONS Section of this Manual
- 3.9. Missing or illegible tags and signs shall be replaced

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