

SAPS Cart Product Sheet

Elevate Your Operations with Our State-of-the-Art Forklift & Crane Basket! Our innovative product is designed to enhance your lifting capabilities while ensuring safety and compliance with industry standards. Perfect for contractors, construction managers, maintenance teams, and warehouse operators, our Forklift & Crane Basket provides reliable lifting solutions for elevated workspaces.

Specifications

Dimensions: Height, width, depth, and floor space. Weight Capacity: Rated Load 5,000 lbs. Material Construction: Steel Safety Features: Forklift pockets; Padeyes degreed in to align lift with 4 way slings; Handles on both sides aids in ergonomics for teamwork pull. Four wheel swivel for maneuvering between other equipment. Design Features: #5 Expanded Metal Grating.

Benefits of using your crane basket

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Compliance with relevant safety standards

Design References: AISC Manual of Steel Construction, ASD ASME BTH-1 2008 Below-the-Hook, B30.20 Crosby Product Manual, All components have been designed per ASME BTH-1-2008 design document which provides a 3:1 of yield factor of safety when $N_d=3$, Design Category Band Service Class 0.

Benefits of Using SAPS Crane and Forklift Basket

The SAPS Crane and Forklift basket offers a range of benefits that significantly enhance safety, efficiency, and durability during lifting operations.

Increased Safety

One of the foremost benefits of using the SAPS Crane and Forklift basket is its emphasis on safety. The design incorporates a minimum sling angle requirement of 45° from horizontal, which is crucial for maintaining stability during lifts. This angle helps to distribute the load evenly, reducing the risk of slippage or accidents. In scenarios where headroom is not an issue, operators are encouraged to use a sling angle of 60° , further enhancing safety by minimizing stress on the rigging equipment. Never stand under the load. Always use two taglines whenever possible.

The integration of forklift pocket sleeves on crane baskets not only enhances protection but also significantly improves safety, efficiency, cost-effectiveness, and versatility across various applications.

Enhanced Efficiency

The SAPS basket is engineered for optimal efficiency in various operational environments. It features ergonomic handles located at both ends, allowing teams to maneuver the basket easily in tight spaces. This ergonomic design reduces physical strain on workers and promotes teamwork during lifting operations.

Additionally, the four-wheel turning capability enables tight radius turning, making it easier to navigate confined areas without compromising stability or control. This feature is particularly beneficial in warehouses or construction sites where space may be limited.

Furthermore, the basket includes three separate stack trays that allow for carrying distinct components simultaneously. This organizational feature streamlines operations by enabling workers to transport multiple items without needing additional trips or equipment.

Durability

Durability is another critical aspect of the SAPS Crane and Forklift basket's design. The use of #5 expanded metal grating provides enhanced strength and longevity compared to traditional materials. This robust construction ensures that the basket can withstand heavy loads and frequent use without significant wear and tear, ultimately leading to lower maintenance costs and increased reliability over time.

Instructions on how to use the crane basket safely

All load should be in line with the vertical axis of padeye so not to side load the pin or plate. Padeyes have been designed using the assumption that only two slings will be supporting the load at any one time. This is conservative and has not been applied to the same frame as it is flexible enough to account for this.

All padeyes should use a 3 1/4 ton shackle and the maximum anticipated tension in the 4-way rigging is 3,900 lbs. Rigging is to be designed and sized by the contractor.

Minimum sling angle for the rigging is 45° from horizontal. We recommend using a sling angle of 60° if lifting headroom is not an issue.

Material placed in shelves shall not exceed the height of the vertical retaining section of the expanded metal grating.

Cart must be loaded so it will be picked within 3% of the plumb.

Contractor shall advise Safety Anchor Post of any and all existing flame cut holes in any structural members. Information provided shall include size, number and location of holes.

Safety Anchor Post will not supervise, direct, control or have authority over or be responsible for contractor's means, methods, techniques, sequences or procedures of demolition, construction, or the safety precautions and programs incident thereto, or for any failure of contractor to comply with laws and regulations applicable to the furnishing or performance of Work.

Procedures to ensure longevity and safety

Inspection Frequency

Inspect SAPS Crane / Forklift Basket Before Use.

Weld Integrity: Conduct thorough inspections focusing on welds at padeyes and the frame. Look for any signs of cracks or separation in the welds, as these can compromise structural integrity.

Wheel Security: Ensure that all wheels are properly bolted before lifting overhead. Loose wheels can lead to instability during operation, posing significant safety hazards. Regular inspections should be scheduled before each use to catch any potential issues early. This proactive approach helps in maintaining operational safety standards.

Maintenance Tips

Keep Equipment Debris-Free

It is essential to keep your SAPPS Crane and Forklift cart free from debris when not in use. Accumulated dirt and materials can lead to corrosion and mechanical failures over time.

Proper Storage

Whenever possible, store your cart indoors to protect it from adverse weather conditions during long periods of inactivity. Exposure to elements such as rain, snow, or extreme temperatures can accelerate wear and tear on the equipment. Implementing these maintenance tips will significantly enhance the durability of your crane and forklift basket while ensuring safe operations.

Contact Information

For further information or assistance regarding maintenance procedures, please visit safetyanchorpost.com.

Details for inquiries or support

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