

20 ft. “MAN CAGE under spreader”



Design Features

Applicable Design Standard:

“EN-14502-1:2010 – Equipment for lifting of persons – Part 1: Suspended baskets”

Manufacturer Risk Assessment Analysis (for the construction): **EN 1050 (1996)**

Dimensions of cage: **EN-668:2014**

Strength analysis: **EN 1052**

Certification

Certificate for compliance to design standards: **TUV HELLAS – NORD GROUP**

Load test certificate: **TUV HELLAS – NORD GROUP**

Amended recommendations for the design

- EN -13586:2004+A1:2008
- Safe practice for work in ports (ILO)

Capacity / Operational Features

- Lifting capacity: 6 persons with their equipment (as per applicable standard’s requirements)
- Anchoring equipment for moving / working personnel: For 2 persons (optionally for more)
- Two or four doors for easy access and combined operations.
- Easy access for lifting by a forklift
- Steel roof – protection against falling objects
- Safety slings for secondary hanging of the cage on the spreader
- One open container for locking fittings and one covered (with hinged cover) box for PPE, included in standard equipment.
- Anti slip steel floor
- Safety precautions labels.
- “Safety Operations Manual” for the user and
- “Maintenance Manual”

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Steel structure / Anticorrosion protection

- Durable steel structure – Framing made of hollow section beams with increased thickness.
- Welding works by certified welders who process approved welding procedures. All related approvals by Lloyd’s Register of Shipping.
- Anticorrosion protection, applicable standard ISO 12944-5. Protection for corrosivity category C4; two epoxy coats plus polyurethane top coat. Well recognized brands paint makers.

Optional equipment

- Rigid “life line” as per EN 795 – For convenience during movement of the stevedores’ in the cage.
- Chain slings with self-locking hooks as equipment for secondary safety suspension.

Credits

- Recognized by the Greek Ministry of Development as “Interchangeable equipment for lifting of persons to be used with cranes that are certified for lifting of goods”.
- Acceptance letter for the use of such equipment from the Piraeus Labor Inspectorate. The letter also includes the safety issues to be considered for the use of the “man cage”

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