



BELOW-THE-HOOK LIFTING DEVICE INFORMATION SHEET

1. Provide an accurate description of the loads that the device will handle.
 - a. Maximum weight of loads _____
 - b. Location of load center of gravity if not symmetrical _____
 - c. Dimensions – L x W x H, diameters, with full range of sizes _____
 - d. Are sides perfectly parallel? _____
 - e. Are sides smooth, bumpy, with low or high spots? _____
 - f. What is the material? _____
 - g. Is it brittle, malleable? _____
 - h. Can the lifting device leave marks or indentations on the material? _____
 - i. Temperature of material when it is handled? _____
 - j. Surface conditions: dry, wet, oily, dusty _____
 - k. Single piece; a stack; on a pallet; banded; un-banded? _____
 - l. Number of loads handled per hour _____

2. Operating conditions
 - a. Ambient temperature range _____
 - b. Humidity range _____
 - c. Corrosive gasses _____
 - d. Explosive dust or gasses _____
 - e. Indoor, outdoor, both? _____

3. Crane hook dimensions (usually required after order is received.)

4. Description of the existing process and how equipment is operated.
 - a. Smooth and gentle as with automation _____
 - b. Severe impact loading as in high speed manual operation _____

5. Digital photos of the load and of the application are very helpful

6. Other

Examples of attachment devices include:

- Slings and Chain
- Lift Beams
- Magnet Beams
- Vacuum Beams
- Below the Hook Lifters
- Etc.

What is CMAA?

What is CMAA? CMAA is the Crane Manufacturers Association of America, Inc., and independent trade association affiliated with the Material Handling Industry. CMAA traces its roots to the Electric Overhead Crane Institute, known as EOICI, which was founded in 1927 by leading crane manufacturers of that time to promote the standardization of cranes as well as uniform quality and performance. The voluntary association was incorporated as the Crane Manufacturers Association of America, Inc., in 1955. Member Companies, representing the Crane industry, serve the world market from operations based in the United States, Canada, and Mexico.

CMAA Mission

Our Mission is to deliver exceptional value to our end-users, channel partners, members and industry associates while serving the overhead material handling industry. CMAA achieves this through:

- Safety Advocacy
- Engineering Specifications and Standards Development
- Educational Materials
- Member Professional Development
- Recruiting and Developing a representative, active membership

CMAA Vision

As the premier, preferred brand in the materials handling industry, CMAA:

- Is recognized as the leading advocate for the safe application and operation of overhead traveling crane equipment and related products.
- Engineering specifications are widely recognized as the preferred design standard for overhead traveling cranes, integrated crane systems, and crane components.
- Is recognized as the leading authority and the principal resource in the overhead traveling crane industry.
- Conducts business professionally with a spirit of enthusiasm, cooperation, honesty and integrity.
- Positions its Members to achieve marketplace leadership and:
 - Deliver superior value in their products and services.
 - Provide products and services that are safe and productive.
 - Provide high value and versatile solutions
 - Develop knowledgeable and expert channel partners.
 - Provide an environment in which our customers can confidently purchase and derive superior value from our products.



For information regarding membership, standards, specifications, market research initiatives, industry statistics, literature or publications. CMAA Managing Director Hal Vandiver: hvandiver@mhia.org, Executive Assistant Cathy Moose: cmoose@mhia.org

CMAA

8720 Red Oak Blvd., Suite 201
Charlotte, NC 28217-3992
Phone: 800-345-1815 / 704-676-1190 Fax: 704-676-1199
URL: www.mhia.org/cmaa

Call the Material Handling Institute Literature Department at 800-345-1815 or 704-676-1190 or go to www.mhia.org/cmaa , “Publications and Resources”, to order the following CMAA publications:

#10089 – CMAA Specification 70, *Specifications for Top Running Bridge & Gantry Type Multiple Girder Electric Overhead Traveling Cranes*

The purpose of this book is to provide a basis for uniform quality and performance. This specification contains information, which should be helpful to the purchasers and users of cranes and to the engineering and architectural professions. While much of this information must be of a general nature, the items listed may be checked with individual manufacturers and comparisons made which can lead to optimum selection of equipment. 92 Pages, \$85.00 ea. plus shipping

#10090 – CMAA Specification 74, *Specifications for Top Running and Under Running Single Girder Electric Overhead Traveling Cranes Utilizing Under Running Trolley Hoist*

This book promotes standardization and provides a basis for uniform quality and performance. It contains information which should be helpful for purchasers and users of cranes, as well as engineers and architects. Text consists of seven sections: general specifications, crane service classification, structural design, mechanical design, electrical equipment, crane inquiry data sheet and a glossary. 76 Pages, \$85.00 ea. plus shipping

#10197 – CMAA Specification 78, *Standards and Guidelines for Professional Services Performed on Overhead Traveling Cranes and Associated Hoisting Equipment*

Specification 78 has been purposely developed by CMAA to recognize overhead traveling crane service and the service of associated hoisting equipment as an “industry” worthy of having guidelines and standards for providing high-quality, professional services performed by safety minded, manufacturer-trained and certified technicians. With the introduction of Specification 78, CMAA intends to set higher performance standards and raise customer expectations related to service of overhead traveling cranes and associated hoisting equipment. 40 Pages, \$30.00 ea. plus shipping

#10099 – Crane Operator’s Manual

This 29-page manual lists qualifications required to be a crane operator, as well as “shall and shall not’s.” Safety is stressed by describing the best way to operate a crane. It also explains why a crane should be operated safely. The safety suggestions are intended to supplement company safety practices and crane manufacturers’ instructions. \$5.00 ea. plus shipping

10078 - CMAA Crane Service Classes

CMAA has established crane service classes so that the most economical crane for a particular installation may be specified in accordance with Specifications for Top Running Bridge & Gantry Type Multiple Girder Electric Overhead Traveling Cranes - No. 70 or Specifications for Top Running and Under Running Single Girder Electric Overhead Cranes Utilizing Under Running Trolley Hoist - No. 74. FREE DOWNLOAD

#10102 – Overhead Crane Inspection and Maintenance Checklist

This checklist, published by the Crane Manufacturers Association of America, Inc., aids owners of overhead cranes when conducting periodic maintenance inspections. While the proper installation, operation, testing, and maintenance of cranes are a continuing responsibility of the owner/user in accordance with the current approved standards, this checklist provides a minimal list of components to be inspected regularly. \$10.00 per pack of 50 checklists, plus shipping

#10059 – The Fundamentals of Overhead Crane Safety Training Program

This product is a DVD training program designed to visually reflect safe operating practices for a wide variety of cranes to successfully run an in-house overhead safety program. The package includes a 45-minute training video covering, Basic Components, Warning, Hand Signals, Pre-Energization Inspection: Cab Cranes, Pre-Energization – Floor Controlled Cranes, Inspection with Electrical Power Applied, Load Lifting, Transferring, and Depositing, Magnet and Bucket Attachments, Parking and Securing Cranes and Summary. CMAA literature is also included, CMAA Spec 70, Spec 74,, Spec 78, Crane Operators Manual and more. \$395.00 ea. plus shipping

#10098 – Operational Guide for Lifting Devices

The Operational Guide for Lifting Devices are guidelines intended to provide you with general procedures for installation, inspection, maintenance and repairs, and operation and operator training for below-the-hook lifting devices. Lifting devices, sometimes called below-the-hook lifters, attach hoists to their loads. FREE DOWNLOAD

#10210 – Multiple Girder Buyer's Guide, For Top Running Bridge & Gantry Type Multiple Girder Electric Overhead Traveling Cranes

CMAA has organized this Buyer's Guide to promote standardization and to assist prospective buyers of electric overhead traveling cranes in selection of equipment most suitable for their application. FREE DOWNLOAD.

#10211 – Single Girder Buyer's Guide, For Top Running and Under Running Single Girder Electric Overhead Traveling Cranes Utilizing Under Running Trolley Hoist

CMAA has organized this Buyer's Guide to promote standardization and to assist prospective buyers of electric overhead traveling cranes in selection of equipment most suitable for their applications. FREE DOWNLOAD

#10212 – Below The Hook Devices Buyers Guide

CMAA has organized this Buyer's Guide to promote standardization and to assist prospective buyers of below-the-hook lifting devices in selection of equipment most suitable for their application. FREE DOWNLOAD

#10198 – Overhead Material Handling Market History and Forecast

This 59-page presentation has been developed for professional researchers interested in learning more about the statistical characteristics of the overhead material handling market for planning purposes. Information is presented in chart form to reveal information about market size and growth, product mix, domestic production, imports, exports, consumption, capacity utilization, economic indicators, market potential and a variety of other insights. Source data has been gathered principally from the U.S. Department of Commerce (USDOC), the U.S. International Trade Commission (USITC), the U.S. Bureau of Economic Analysis (BEA) and the U.S. Federal Reserve Board (FRB). Insights are provided by MHIA Staff and the Managing Director of CMAA, HMI and MMA, independent trade associations affiliated with the Material Handling Industry of America. (NOTE: This document will be emailed to you after you complete your order. This could take up to 24 hours – please do not order if you need it immediately). \$750.00

#10036 – Selecting the Right Overhead Crane

This publication concentrates on the owner's responsibility to select a qualified crane supplier by highlighting a number of factors as they pertain to application and facility. FREE DOWNLOAD

#10091 – CMAA Consensus of the national Electrical Code

The 1996 National Electrical Code has a number of paragraphs affecting cranes. Some of these paragraphs are subject to verifying interpretations. The information published represents the consensus of interpretation by members of the Crane Manufacturers Association of America, Inc. and is shown in block form with 1996 N.E.C. references, followed by explanatory notes. FREE DOWNLOAD

#10034 – What is CMAA?

This brochure provides a general overview of the Crane Manufacturer's Association, Inc., its membership, literature and publications. FREE DOWNLOAD.

#10085 – MH27.1, *Specification for Patented Track Underhung Cranes & Monorail Systems*

Approved and published in 2009, this publication was developed by the Monorail Manufacturers Association, Inc. to assist manufacturers and users of underhung cranes and monorail systems. This specification was originally approved as an MMA consensus standard in 1973, was subjected to the ANSI Canvass Review Process, and is now available as an American National Standard. Includes discussion of curves, switches, transfer devices, trolleys, lift and drop sections and associated equipment.

#10087 – MH27.2, *Specification for Enclosed Track Underhung Cranes & Monorail Systems*

Approved and published in 2009, this publication was developed by the Monorail Manufacturers, Inc. in the interest of improved uniformity of underhung crane and monorail performance and enhanced public safety. This standard, that was developed under the ANSI Canvass method and approved by ANSI on December 2, 2009, represents suggested design practices and performance testing criteria for crane and monorail equipment. It was developed with the sole intent of offering information to parties engaged in the manufacture, marketing, purchase, or use of crane and monorail equipment.



Members of the Crane Manufacturers Association of America

Acco Material Handling Solutions

76 Acco Drive
York, PA 17405
(800) 967-7333
www.accomhs.com

Ace Industries, Inc.

6295 McDonough Drive
Norcross, GA 30093
(800) 733-2231
www.aceindustries.com

Ace World Companies Inc.

10200 Jacksboro Highway
Fort Worth, TX 76135
(817) 237-7700
www.aceworldcompanies.com

American Crane & Equipment

531 Old Swede Road
Douglassville, PA 19518
(610) 385-6061
www.americancrane.com

Bushman AvonTec

W133 N4960 Campbell Drive
Menomonee Falls, WI 53051
(800) 338-7810
www.BushmanAvonTec.com

Capco Crane & Hoist Inc.

58 Forest Ridge Drive
Rowley, MA 01969
(800) 747-3714
www.capcocrane.com

Cattron Group International

58 West Shenango Street
Sharpsville, PA 16150
(724) 962-3571
www.cattrongroup.com

COH Inc.

801 Cure Boivin
Boisbriand, QC J7G 2J2 Canada
(450) 430-6500
www.coh.ca

Conductix-Wampfler

10102 F Street
Omaha, NE 68127
(402) 952-9313
www.conductix.us

Control Chief Corporation

200 Williams Street
Bradford, PA 16701
(814)362-6811
www.controlchief.com

Crane Equipment & Service Inc.

801 W. Center Street
Eureka, IL 61530
(800) 548-2930
www.ces-cranes.com

Demag Cranes & Components

29201 Aurora Road
Solon, OH 44139
(440) 248-2400
www.demag-us.com

Deshazo Crane Company LLC

190 Airpark Industrial Road
Alabaster, AL 35007
(205) 664-2006
www.deshazo.com

Ederer, LLC

3701 South Norfolk St., Suite 301
Seattle, WA 98118-5650
(206) 622-4421
www.ederer.com

EMH, Inc.

550 Crane Drive
Liverpool Industrial Park
Valley City, OH 44280-9361
(330) 220-8600
www.emhcranes.com

Expert Crane

10737 Leuer Avenue
Cleveland, OH 44108
(800) 860-6680
www.expertcrane.com

Foley Material Handling Co., Inc.

11327 Virginia Crane Drive
Ashland, VA 23005
(804) 798-1343
www.virginiacrane.com

G.W. Becker, Inc.

2600 Kirila Boulevard
Hermitage, PA 16148
(724) 983-1000
www.gwbcrane.com

Harrington Hoists Inc.

401 West End Avenue
Manheim, PA 17545
(800) 233-3010
www.harringtonhoists.com

HBC-radiomatic, Inc.

1017 Petersburg Road
Hebron, KY 41048
(800) 410-4562
www.hbc-usa.com

Heco Pacific Mfg., Inc.

1510 Pacific Street
Union City, CA 94587
(510) 487-1155
www.hecopacific.com

Konecranes America,
7300 Chippewa Boulevard
Houston, TX 77086-3231
(800) 231-0241
www.konecranes.com

Magnetek, Inc.
N49 W 13650 Campbell Drive
Menomonee Falls, WI 53051
(800) 288-8178
www.magnetekmh.com

North American Industries, Inc.
80 Holton Street
Woburn, MA 01801
(781) 897-4100
www.naicranes.com

OMI Crane Systems, Inc.
1515 I-20 Service Road
Royse City, TX 75189
(972) 636-8000
www.omicranes.com

PaR Nuclear Inc.
899 Highway 96 West
Shoreview, MN 55126
(651) 415-4201
www.parnuclear.com

ProservAnchor Crane Group
455 Aldine Bender
Houston, TX 77060
(281) 405-9048
www.proserveanchor.com

Sissco Material Handling Equip.
186 Route 206 South
Hillsborough, NJ 08844
(908) 359-9767
www.sisscohoist.com

Spanco, Inc.
Morgantown Business Park
604 Hemlock Road
Morgantown, PA 19543
(800) 869-2080
www.spanco.com

TransTech-Power Transfer Sys.
709 Augusta Arbor Way
Piedmont, SC 29673
(864) 299-3870
www.transtech.com

Whiting Corporation
26000 S. Whiting Way
Monee, IL 60449
(708) 587-2000
www.whitingcorp.com

Yale Hoists
240 Pennsylvania Avenue
Salem, MI 44460
(800) 742-9269
www.yalehoists.net

Zenar Corporation
7301 South 6th Street
Oak Creek, WI 53154
(414) 764-1800
www.zenarcrane.com