

ANSI MH27.1-2016
[a revision of ANSI MH27.1-2003 (R2009)]



Patented Track Underhung Cranes and Monorail Systems



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Monorail Manufacturers Association, Inc. (MMA)
An Industry Group of MHI

Approved June 30, 2016
American National Standards Institute, Inc.

FOREWORD. This standard, which was developed under the American National Standards Institute (ANSI) Canvass method and approved by ANSI on June 30, 2016, represents suggested design practices and performance testing criteria for crane and monorail equipment. It was developed by MHI, along with the Monorail Manufacturers Association (“MMA”), one of its Industry Groups, and is intended to provide useful information and guidance for owners, users, designers, purchasers or specifiers of crane or monorail equipment. This standard is advisory only and should only be regarded as a guide that its intended audience may or may not choose to follow, adopt, modify, or reject. A standard may be part of, but does not constitute a comprehensive safety program that cannot guard against pitfalls in operating, selecting and purchasing such a system, and should not be relied upon as such. Such a program should be developed by a qualified professional.

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This standard was sponsored by the **Monorail Manufacturers Association (MMA)**, in the interest of improved uniformity of enclosed track underhung crane and monorail performance and enhanced public safety. Since the intention of this standard is to encourage better communication between the manufacturer and the user, it should be regarded as a guide rather than a rigid specification.

This standard, which was originally published as an MMA consensus standard in 1973 and most recently updated in 2003, represents design, operating and testing practices and performance criteria that may be used in determining product utilization. Suggestions for improvement of this standard are welcome. They should be sent to the sponsor, the MMA Industry Group of MHI, 8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 or standards@mhi.org.

At the date of approval of this standard, the Monorail Manufacturers Association, Inc. consisted of the following member companies:

- Acco Material Handling Solutions
- Columbus McKinnon Corporation (CM)
- Gorbel, Inc.
- Ingersoll-Rand Co.
- Konecranes America, Inc.
- Spanco, Inc.
- TC/American Monorail Inc.
- Terex Material Handling
- United States Monorail, Division of American Crane and Hoist Corp.

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