



Performance Standards for Hand Chain, Manually Operated & Air Chain Hoists

A Performance Standard for Engineers Worldwide

ASME HST-2-2014

ASME B30.16-2012

ASME HST-5-2014

ASME has been defining hoist performance since 1983.

ASME HST-2-2014 is a newly-revised Standard which establishes performance requirements for hand chain, manually-operated chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads. These hoists use welded link type load chain as a lifting medium with one of the following types of suspension: (1) hook or clevis; (2) trolley.

HST-2 contains an appendix which, in conjunction with ASME HST-3-1999, Performance Standard for Manually Lever-Operated Chain Hoists, replaces the requirements of MIL-H-904 for Hand Operated Chain Hoists.

ASME HST-5-2014 is a newly-revised Standard which establishes performance requirements for air powered chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads. These hoists use load chain of the roller or welded link types with one of the following types of suspension: (1) lug; (2) hook or clevis; (3) trolley.

HST-5 contains an appendix which replaces the requirements of MIL-H-24591, Hoists, Chain, Pneumatic, Low Headroom, Trolley Type and, in conjunction with ASME HST-6-1999, Performance Standard For Air Wire Rope Hoists, replaces the requirements of MIL-H-28538B for Hoists, Wire Rope or Chain, Air Motor Powered With Trolley and MIL-H-2813 for Hoists, Chain and Wire Rope, Pneumatic.

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The ASME HST Standards Committee presents needed revisions to the previous 1999 editions of HST-2 and HST-5. Key changes include:

- Removes material addressed in ASME B30.16, Overhead Hoists (Underhung)
- Updates outdated and irrelevant references made in the Standard
- Adds class categories for hazardous (classified) locations
- Addresses performance requirements which required updating
- Revised definitions to harmonize the HST Standards
- Updates the format to match ASME HST-1-2012, Performance Standard for Electric Chain Hoists

Both HST-2 and HST-5 serve as companion standards to B30.16.

Intended for manufacturers, owners, inspectors, chief and principal engineers, users and others concerned with performance requirements for hand chain manually operated chain hoists plus all potential governing entities.

ASME Codes and Standards

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