



**ANSI E1.6-3 – 2012**  
**Selection and Use of Serially Manufactured**  
**Chain Hoists in the Entertainment Industry**  
Rig/2008-2019r5

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# ANSI E1.6-3 – 2012

## Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry

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This standard was originally published when the Entertainment Services and Technology Association was  
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ESTA has reverted to its original name, and this document has been rebranded with the current corporate  
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The ESTA Technical Standards Program was created to serve the ESTA membership and the entertainment industry in technical standards related matters. The goal of the Program is to take a leading role regarding technology within the entertainment industry by creating recommended practices and standards, monitoring standards issues around the world on behalf of our members, and improving communications and safety within the industry. ESTA works closely with the technical standards efforts of other organizations within our industry, including USITT and VPLT, as well as representing the interests of ESTA members to ANSI, UL, and the NFPA. The Technical Standards Program is accredited by the American National Standards Institute.

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The Rigging Working Group, which authored this Standard, consists of a cross section of entertainment industry professionals representing a diversity of interests. ESTA is committed to developing consensus-based standards and recommended practices in an open setting.

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**Interest category codes:**

CP = custom-market producer	DE = designer
DR = dealer rental company	G = general interest
MP = mass-market producer	U = user

**ANSI E1.6-3  
SELECTION AND USE OF SERIALLY MANUFACTURED CHAIN HOISTS IN THE ENTERTAINMENT  
INDUSTRY**

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STANDARD REQUIREMENTS

EXPLANATORY INFORMATION  
(Not part of the requirements of E1.6-3)

## 1 GENERAL

### 1.1 Scope

This standard establishes minimum safety requirements for the selection and use of serially manufactured electric link chain hoists having capacity of 2 tons or less in the entertainment industry. This standard does not address the design or maintenance of these hoists.

***E1.1** While provisions in this standard require that neither the hoist user nor the operator overload the anchorage or any rigging, hoist or load system component through the operation of the hoist system, the standard does not address how these load limits are determined.*

### 1.2 Purpose

The purpose of this document is to provide standards for the use of chain hoists in the entertainment industry. These standards are intended to reduce injury and provide for the protection of life, limb and property.

### 1.3 Application

This standard applies to hoists used in the entertainment industry including, but not limited to, hoists used in theatre, musical touring, film, trade show and television industries.

### 1.4 References

BSR E1.6-2 Design, Inspection and Maintenance of Serially Manufactured Electric Chain Hoists for the Entertainment Industry.

BSR E 1.6-4 Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry