

ICS 91.140.90
CCS Q 78



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 16899-2011

**Safety rules for the construction and installation of escalators
and moving walks
(English Translation)**

Issued on: July 29, 2011

Implemented on: July 29, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

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1 Scope

1.1

This standard is applicable to newly-constructed escalators and pedal or belt moving walks (see Chapter 3).

This standard considers all the significant hazards, hazardous conditions and events related to escalators and moving walks under use according to the expected purpose and under reasonably foreseeable misuse condition of the manufacturer (see Chapter 4).

1.2

This standard does not consider the hazards caused by earthquake.

1.3

This standard is not applicable to escalators and moving walks constructed before this standard implementation.

2 Normative References

The following documents are essential for the application of this standard. For dated references, only the dated edition is applicable to this standard. For undated references, the latest edition (including all amendments) is applicable to this standard.

GB/T 699 "Quality Carbon Structural Steels"

GB/T 700 "Carbon Structural Steels" (GB/T700-2006, ISO 630:1995, NEQ)

GB/T 1591 "High Strength Low Alloy Structural Steels"

GB/T 2423.5-1995 "Environmental Testing for Electric and Electronic Products-Part 2: Test Methods-Test Ea and Guidance: Shock" (IEC60068-2-27:1987, IDT)

GB/T 2423.6 "Environmental Testing for Electric and Electronic Products-Part 2: Test Methods-Test Eb and Guidance: Bump" (GB/T2423.6-1995, IEC60068-2-29:1987, IDT)

GB/T 2423.10-2008 "Environmental Testing for Electric and Electronic Products-Part 2: Test Methods-Test Fc: Vibration (Sinusoidal)" (IEC60068-2-6:1995, IDT)

GB/T 2423.22 "Environmental Testing for Electric and Electronic Products-Part 2: Test Methods-Test N: Change of Temperature" (GB/T2423.22-2002, IEC60068-2-14:1984, IDT)

GB/T 2893.1 "Graphical Symbols-Safety Colours and Safety Signs-Part 1: Design Principles for Safety Signs in Workplaces and Public Areas" (GB/T2893.1-2004, ISO3864-1:2002, MOD)

GB/T 2893.3 "Graphical Symbols-Safety Colours and Safety Signs-Part 3: Design Principles for Graphical Symbols for Use in Safety Signs" (GB/T2893.3-2010, ISO3864-3:2006, MOD)

GB/T 3077 "Alloy Structure Steels"

GB/T 4171 "Atmospheric Corrosion Resisting Structural Steel"

GB 4208 "Degrees of Protection Provided by Enclosure (IP Code)" (GB4208-2008, IEC60529:2001, IDT)

GB/T 4721 "General Rules for Copper-clad Laminated Sheets for Printed Circuits"

GB/T 4723 "Phenolic Cellulose Paper Copper-clad Laminated Sheets for Printed Circuits"

GB/T 4724 "Epoxide Cellulose Paper Copper-clad Laminated Sheets for Printed Circuits"

GB/T 4725 "Epoxide Woven Glass Fabric Copper-clad Laminated Sheets for Printed

Circuits"

GB/T 5013.4-2008 "Rubber Insulated Cables of Rated Voltages up to and including 450/750V-Part 4: Cords and Flexible Cables" (IEC60245-4:2004, IDT)

GB/T 5023.3-2008 "Polyvinyl Chloride Insulated Cables of Rated Voltages up to and including 450/750V-Part 3: Non-sheathed Cables for Fixed Wiring" (IEC60227-3:1997, IDT)

GB/T 5023.4-2008 "Polyvinyl Chloride Insulated Cables of Rated Voltages up to and including 450/750V-Part 4: Sheathed Cables for Fixed Wiring" (IEC60227-4:1997, IDT)

GB/T 5023.5-2008 "Polyvinyl Chloride Insulated Cables of Rated Voltages up to and including 450/750V-Part 5: Flexible Cables (Cords)" (IEC60227-5:2003, IDT)

GB 5226.1-2008 "Electrical Safety of Machinery-Electrical Equipment of Machines-Part 1: General Requirements" (IEC60204-1:2005, IDT)

GB 7251.1-2005 "Low-voltage Switchgear and Controlgear Assemblies-Part 1: Type- tested and Partially Type-tested Assemblies" (IEC60439-1:1999, IDT)

GB 8624-2006 "Classification for Burning Behaviour of Building Materials and Products" (EN13501-1:2002, MOD)

GB 13539.1 "Low-voltage Fuses-Part 1: General Requirements" (GB13539.1-2008, IEC60269-1:2006, IDT)

GB 14048.4 "Low-voltage Switchgear and Controlgear-Electromechanical Contactors and Motor-starters" (GB14048.4-2003, IEC60947-4-1:2000, IDT)

GB 14048.5 "Low-voltage Switchgear and Controlgear-Part 5-1: Control Circuit Devices and Switching Element-Electromechanical Control Circuit Devices" (GB14048.5-2008, IEC60947-5-1:2003, MOD)

GB/T 15651 "Semiconductor Devices, Discrete Devices and Integrated Circuits-Part 5: Optoelectronic Devices" (GB/T15651-1995, IEC747-5:1992, IDT)

GB/T 15706.1-2007 "Safety of Machinery-Basic Concept and General Principles for Design-Part 1: Basic Terminology and Methodology" (ISO12100-1:2003, IDT)

GB/T 15706.2-2007 "Safety of Machinery-Basic Concepts and General Principles for Design-Part 2: Technical Principles" (ISO12100-2:2003, IDT)

GB/T 16261 "Generic Specification Printed Boards"

GB/T 16270 "High Strength Structural Steel Plates in the Quenched and Tempered