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## BS EN 81-20:2014 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 20: Passenger and goods passenger lifts

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### Abbreviation

BS EN 81-20:2014

### Valid from

31/08/2014

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### Information provider

British Standards Institution

### Author

European Standardization Organisations, British Standards Institution

### Information type

European Standard

### Format

PDF

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### Cited By

[This resource is cited by 2 documents \(show Citations\)](#)

### Cites

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### Description

This Standard specifies the safety rules for permanently installed new passenger or goods passenger lifts. It covers lifts with traction, positive or hydraulic drive, serving defined landing levels, having a car designed for the transportation of people or people and goods, suspended by ropes or chains or jacks and moving between guide rails inclined not more than 15° to the vertical.

### Scope

This Standard does not cover:

- a) lifts with:
  - 1) drive systems other than those stated in the description above;
  - 2) rated speed  $\leq 0,15$  m/s;
- b) hydraulic lifts:
  - 1) with a rated speed exceeding 1 m/s;
  - 2) where the setting of the pressure relief valve exceeds 50 MPa;
- c) new passenger or goods passenger lifts in existing buildings where in some circumstances due to limitations enforced

- by building constraints, some requirements of EN 81-20 cannot be met and EN 81-21 should be considered;
- d) lifting appliances, such as paternosters, mine lifts, theatrical lifts, appliances with automatic caging, skips, lifts and hoists for building and public works sites, ships' hoists, platforms for exploration or drilling at sea, construction and maintenance appliances or lifts in wind turbines;
  - e) important modifications (see Annex C) to a lift installed before this Standard is brought into application;
  - f) safety during operations of transport, erection, repairs, and dismantling of lifts.

However, this Standard may usefully be taken as a basis. Noise and vibrations are not dealt with in this Standard as they are not found at levels which could be considered as harmful with regard to the safe use and maintenance of the lift.

This Standard is not applicable to passenger and goods passenger lifts, which are installed before the date of its publication.

For assistance with locating previous versions, please contact the information provider.

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This resource is cited by:

## **BS EN 81-20:2014 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 20: Passenger and goods passenger lifts**

This document is CITED BY:

- [D2/AS1 \(Second Edition, Amendment 7\)](#)

BS EN 81-20:2014 is cited by Acceptable Solution D2/AS1: Passenger Carrying Lifts from 01/01/2017

- [BS EN 81-50:2014](#)

BS EN 81-20:2014 is cited by BS EN 81-50:2014 Safety rules for the construction and installation of lifts. Examinations and tests. Design rules, calculations, examination and tests of lift components

## **BS EN 81-20:2014 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 20: Passenger and goods passenger lifts**

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## **BS EN 81-20:2014 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 20: Passenger and goods passenger lifts**

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Other

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BS EN 81-20:2014 cites BS EN 10305-1:2010 Steel tubes for precision applications. Technical delivery conditions - Part 1: Seamless cold drawn tubes

- [BS EN 10305-2:2010](#)

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- [BS EN 10305-3:2010](#)

BS EN 81-20:2014 cites BS EN 10305-3:2010 Steel tubes for precision applications. Technical delivery conditions - Part 3: Welded cold sized tubes

- [BS EN 10305-4:2011](#)

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- [BS EN 10305-5:2010](#)

BS EN 81-20:2014 cites BS EN 10305-5:2010 Steel tubes for precision applications. Technical delivery conditions - Part 5: Welded and cold sized square and rectangular tubes

- [BS EN 10305-6:2005](#)

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- [BS EN 12015:2014](#)

BS EN 81-20:2014 cites BS EN 12015:2014 Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Emission

- [BS EN 12016:2013](#)

BS EN 81-20:2014 cites BS EN 12016:2013 Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Immunity

- [BS EN 12385-5:2002](#)

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- [BS EN 12600:2002](#)

BS EN 81-20:2014 cites BS EN 12600:2002 Glass in building. Pendulum test. Impact test method and classification for flat glass

- [BS EN 13015:2001 +A1:2008](#)

BS EN 81-20:2014 cites BS EN 13015:2001 +A1:2008 Maintenance for lifts and escalators. Rules for maintenance instructions

- [BS EN 131-2:2010+A1:2012](#)

BS EN 81-20:2014 cites BS EN 131-2:2010 +A1:2012 Ladders - Part 2: Requirements, testing, marking

- [BS EN 13501-1:2007](#)

BS EN 81-20:2014 cites BS EN 13501-1:2007 Fire classification of construction products and building elements - Classification using test data from reaction to fire tests

- [BS EN 1993-1-1:2005](#)

BS EN 81-20:2014 cites BS EN 1993-1-1:2005 Eurocode 3: Design Of Steel Structures - Part 1-1: General Rules And Rules For Buildings

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- [BS EN 50214:2006](#)

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- [BS EN 50274:2002](#)

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BS EN 81-20:2014 cites BS EN 60204-1:2006 +A1:2009 Safety of machinery. Electrical equipment of machines. General requirements

- [BS EN 81-28:2003](#)

BS EN 81-20:2014 cites BS EN 81-28:2003 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Part 28: Remote alarms on passenger and goods lifts.

- [BS EN 81-50:2014](#)

BS EN 81-20:2014 cites BS EN 81-50:2014 Safety rules for the construction and installation of lifts. Examinations and tests. Design rules, calculations, examination and tests of lift components

- [BS EN 81-58:2003](#)

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- [HD 60364-4-41:2007](#)

BS EN 81-20:2014 cites HD 60364-4-41:2007 Low-voltage Electrical Installations - Part 4-41: Protection For Safety - Protection Against Electric Shock

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including 450/750 V - Part 6: Lift cables and cables for flexible connections

- [IEC 60245-5:1994 \(2nd Edition\)](#)

BS EN 81-20:2014 cites IEC 60245-5:1994 Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 5: Lift cables

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- [IEC 60529:1989](#)

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- [IEC 60664-1 Ed. 2.0 b \(2007\) \(2007\)](#)

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- [IEC 60947-5-5:1997 + AMD1:2005 \(Edition 1.2\)](#)

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- [ISO 13857:2008](#)

BS EN 81-20:2014 cites ISO 13857:2008 Safety Of Machinery - Safety Distances To Prevent Hazard Zones Being Reached By Upper And Lower Limbs

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