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1984年7月20日

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1987年10月

British Standard Specification for

Continuous mechanical handling equipment – Safety requirements

2000年9月28日 1979年08月 22

98年7月2
2004年6月3日

Part 9. Loose bulk materials: bulk throwing machines

[ISO title: Continuous mechanical handling equipment for loose bulk materials – Bulk throwing machines – Safety code]

Spécification des engins de manutention continue – Exigences de sécurité
Partie 9. Produits en vrac: chargeurs par projection

99年7月20

Spezifikation für Mechanische Dauerumschlagsanlagen – Sicherheitsanforderungen
Teil 9. Loses Schüttgut: Lademaschinen mit Werfvorgang

National foreword

This British Standard has been prepared under the direction of the Mechanical Engineering Standards Committee. This Part is identical with ISO 5035 'Continuous mechanical handling equipment for loose bulk materials – Bulk throwing machines – Safety code', developed by Technical Committee ISO/TC 101, Continuous mechanical handling equipment.

Cross-references. The following international standards are referred to in the text and for each there is a corresponding British Standard; these are as listed below:

This Part, which forms one of a series, implements the safety code and should be read in conjunction with BS 5667 : Part 1.

Terminology and conventions. The text of the international standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

International standard	Corresponding British Standard
ISO 1819-1977	BS 5667 Specification for continuous mechanical handling equipment – Safety requirements Part 1 : 1978 General (Identical)
ISO 2148-1974	BS 3810 Glossary of terms used in materials handling Part 2 : 1965 Terms used in connection with conveyors and elevators (excluding pneumatic and hydraulic handling) (Technically equivalent)

Wherever the words 'International Standard' appear, referring to this standard, they should be interpreted as 'British Standard'.

2002年6月2日



2006年7月4日

2005年7月12日



1 SCOPE

This International Standard specifies, in addition to the general safety rules set out in ISO 1819, the special safety rules for the following continuous mechanical handling equipment for loose bulk materials : bulk throwing machines.¹⁾

2 FIELD OF APPLICATION

The safety rules laid down in this International Standard apply regardless of the use for which the equipment is intended. These safety rules limit the supplier's responsibility to continuous mechanical handling equipment properly so called, excluding the structures to which such equipment is fixed.

3 REFERENCES

ISO 1819, *Continuous mechanical handling equipment — Safety code — General rules.*

ISO 2148, *Continuous handling equipment — Nomenclature.*

4 SPECIAL SAFETY RULES

The construction and operation of bulk throwing machines shall meet

- the legal and local requirements relating to safety in general (see appendix Z of ISO 1819);

- the principles laid down in clause 1 of ISO 1819;
- the general rules laid down in clause 2 of ISO 1819;
- the following special rules.

4.1 In the construction stage (design and manufacture)

4.1.1 Because of the high belt speeds of these appliances, particular care shall be taken to ensure that rule 2.1.7 of ISO 1819 relative to the protection of the in-running nips and pinch points between belts and pulleys is applied.

4.1.2 The jet inclination variation control device shall be easily accessible and so located as to allow the operator to remain outside the throwing area.

4.2 During the installation stage (layout, erection and entry into service)

4.2.1 Since handling by throwing is involved, a warning device shall be provided for operation prior to starting, complementary to rule 2.2.13 of ISO 1819.

4.3 During the utilization stage (operation and maintenance)

4.3.1 Access to the throwing area shall be banned or prevented (by warning signs, obstacles, etc.) during the operation of the appliances.

4.3.2 When mobile appliances are used in different locations it is the user who must ensure that rule 4.2.1 is applied.

1) See 2.14.06 of ISO 2148.