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**LIFTING BAG SYSTEMS FOR FIRE AND
RESCUE SERVICE USE - SAFETY AND
PERFORMANCE REQUIREMENTS**

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English Version

Lifting bag systems for fire and rescue service use - Safety and performance requirements

Coussins de levage à l'usage des services d'incendie et de secours - Prescriptions de sécurité et de performances

Hebekissenysteme für Feuerwehr und Rettungsdienste - Sicherheits- und Leistungsanforderungen

This European Standard was approved by CEN on 30 September 2007.

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Foreword

This document (EN 13731:2007) has been prepared by Technical Committee CEN/TC 192 "Fire service equipment", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2008, and conflicting national standards shall be withdrawn at the latest by May 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are an integral part of this document.

NOTE 1 It is recommended that users of this European Standard consider the desirability of independent (3rd party) certification of product conformity with this European Standard based on testing and continuing validation for the purpose of establishing the performance of a lifting bag system.

NOTE 2 The equipment subject to this European Standard is not considered to be subject to the Pressure Equipment Directive.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard is a type C standard as stated in EN ISO 12100-1.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

Where provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

Lifting bag systems are used by Fire and Rescue Services principally to facilitate the release of persons trapped following accidents involving vehicles, heavy machinery, collapsed buildings, collapsed trenches, fallen trees and other natural objects. Lifting bag systems are generally used in conjunction with other means to support or stabilise the load being moved, for example, blocks, chocks and props.

When compiling this European Standard, it was assumed that:

- a) the manufacturer will design and/or use components in accordance with the usual engineering practise and calculation codes, including all failure modes;
- b) only trained and competent persons whilst wearing suitable gloves, will use and operate the machinery;
- c) the working place is adequately lit;
- d) negotiations occur between the manufacturer and the purchaser concerning particular conditions for the use and places of use for the machinery related to health and safety, which are not within the limits of the scope of this European Standard.

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