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**Naprave za kontinuirni transport - Trakovi tračnih transportejev – Zahteve za tračne transportne trakove z gumeno ali plastično oblogo ter tekstilnim vložkom za podzemno rudarstvo (ISO/DIS 22721:2005)**

Conveyor belts - Specification for rubber or plastics covered conveyor belts of textile construction for underground mining (ISO/DIS 22721:2005)

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February 2005

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English version

**Conveyor belts - Specification for rubber or plastics covered  
conveyor belts of textile construction for underground mining  
(ISO/DIS 22721:2005)**

Courroies transporteuses - Spécification pour courroies  
transporteuses à structure textile recouvertes de  
caoutchouc ou de plastique, pour utilisation dans les mines  
(ISO/DIS 22721:2005)

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## **Foreword**

This document (prEN ISO 22721:2005) has been prepared by Technical Committee CEN/TC 188 "Conveyor belts", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)".

This document is currently submitted to the parallel Enquiry.

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## DRAFT INTERNATIONAL STANDARD ISO/DIS 22721

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# Conveyor belts — Specification for rubber- or plastics-covered conveyor belts of textile construction for underground mining

*Courroies transporteuses — Spécification pour courroies transporteuses à structure textile recouvertes de caoutchouc ou de plastique, pour utilisation dans les mines*

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## Foreword

This document prEN ISO 22721:2004 has been prepared by Technical Committee CEN/TC 188 "Conveyor belts", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)".

This document is currently submitted to the parallel Enquiry.

## Introduction

In the preparation of this European Standard, consideration has been given to the work of ISO Committee ISO/TC 41/SC 3, "Conveyor belts", and the following standards for conveyor belts have been followed as far as possible.

ISO 251:2003, *Conveyor belts with textile carcass — Widths and lengths*

ISO 252-1:1999, *Textile conveyor belts — Adhesive strength between constitutive elements — Part 1: Methods of test*

ISO 282:1992, *Conveyor belts — Sampling*

ISO 283-1:2000 *Textile conveyor belts — Full thickness testing — Determination of tensile strength, elongation at break and elongation at the reference load*

ISO 432:1989, *Ply type conveyor belts — Characteristics of construction*

ISO 433:1991, *Conveyor belts — Marking*

ISO 583-1:1999, *Conveyor belts with a textile carcass — Total thickness and thickness of elements — Part 1: Methods of test*

ISO 703:1988, *Conveyor belts; troughability; characteristics of transverse flexibility and test method*

## 1 Scope

This European Standard specifies requirements for rubber or plastics covered conveyor belting of textile construction for underground mining on flat or troughed idlers. It is not suitable or valid for light conveyor belts as described in ISO 21183-1<sup>1)</sup>.

Items that are not requirements of this standard, but need to be agreed between the manufacturer and the purchaser, are included as an informative annex A.

A list of the details that should be supplied by the purchaser of belting with an enquiry is given in informative annex B.

The ability of a belt to run straight cannot be assessed until the belt is installed. Requirements for this are, therefore, outside the scope of this European Standard but recommendations for lateral drift are given in annex C.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 37, *Rubber, vulcanized — Determination of tensile stress-strain properties*

ISO 188, *Rubber, vulcanized — Accelerated ageing or heat-resistance tests*

ISO 252-1, *Conveyor belts — Determination of adhesion of plied textile belting and internal adhesion of solid woven belting*

ISO 282, *Conveyor belts — Sampling*

ISO 283, *Conveyor belts — Determination of full thickness tensile strength and elongation of conveyor belts*

ISO 583-1, *Conveyor belts — Determination of total thickness and thickness covers of textile carcass conveyor belting*

ISO 703-1:1999, *Conveyor belts — Transverse flexibility and troughability — Part 1: Test method*

ISO 4649, *Rubber — Determination of abrasion resistance using a rotating cylindrical drum device*

ISO 10247, *Conveyor belts — Characteristics of covers — Classification*

ISO 16851, *Textile conveyor belts — Method of test for the determination of the net length of an endless (spliced) conveyor belt*

EN 14973-1<sup>1)</sup>, *Conveyor belts for use in underground installations — Electrical and flammability safety requirements*

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1) To be published.