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Standards

Irish Standard
I.S. EN 1114-2:1998+A1:2008

Plastics and rubber machines -
Extruders and extrusion lines - Part 2:
Safety requirements for die face
pelletisers

I.S. EN 1114-2:1998+A1:2008

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English Version

Plastics and rubber machines - Extruders and extrusion lines - Part 2: Safety requirements for die face pelletisers

Machines pour les matières plastiques et le caoutchouc -
Extrudeuses et lignes d'extrusion - Partie 2: Prescriptions
de sécurité pour les granulateurs en tête

Kunststoff- und Gummimaschinen - Extruder und
Extrusionsanlagen - Teil 2: Sicherheitsanforderungen für
Kopfgranulatoren

This European Standard was approved by CEN on 26 January 1998 and includes Amendment 1 approved by CEN on 8 June 2008.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 1114-2:1998+A1:2008) has been prepared by Technical Committee CEN/TC 145 "Plastics and rubber machines", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by March 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

This document includes Amendment 1, approved by CEN on 2008-06-08. The main changes compared to the previous version are:

- modification of the main element of the title
- editorial modification of Annex ZA
- addition of Annex ZB
- editorial changes of EN 292-1:1991 to EN ISO 12100-1:2003 and of EN 292-2:1991 to EN ISO 12100-2:2003 in the following clauses and sub-clauses: Introduction, 2, 5.6, 5.7, 5.8, Table 1, 7.1, 7.2
- minor changes in the Foreword and in sub-clauses 5.7.2 and 7.1, second paragraph.

This document supersedes EN 1114-2:1998.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 and A1.

This European Standard 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).

A1 For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document. A1

This is the second in a series of standards on the safety of extruders and extrusion lines.

Part 1 deals with extrudors.

Part 2 deals with haul-offs.

Further parts are under discussion.

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 defined in A1 EN ISO 12100 A1.

The extent to which hazards are covered is indicated in the scope of this standard. In addition, machinery shall comply as appropriate with A1 EN ISO 12100 A1 for hazards which are not covered by this standard.

1 Scope

This European Standard specifies safety requirements for the design and construction, in respect of the hazards listed in clause 4 and dealt with in clause 5, of the following kinds of die face pelletisers used with extruders for pelletising of plastics and rubber:

- Underwater pelletisers;
- Water ring pelletisers;
- Dry pelletisers;
- Centrifugal pelletisers;
- Knife rotor pelletisers.

Strand pelletisers are not subject to this standard. They are dealt with in a separate standard being produced by CEN/TC 145/WG6.

This standard does not cover requirements for the design of any exhaust system.

This standard applies to machines which are manufactured after the date of publication by CEN of the standard.

2 Normative references

This European standard includes by dated or undated reference provisions from other publications. These normative references are quoted at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

A1 *deleted text* A1

EN 294:1992, *Safety of machinery – Safety distances to prevent danger zones being reached by the upper limbs*

EN 418:1992, *Safety of machinery – Emergency stop equipment, functional aspects – Principles for design*

EN 563:1994, *Safety of machinery – Temperatures of touchable surfaces – Ergonomic data to establish temperature limit values for hot surfaces*

EN 626-1:1994, *Safety of machinery – Principles for machinery manufacturers on the reduction of risk to health from hazardous substances emitted by machinery*

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