norma española

UNE-CEN/TR 15728:2016

Idioma: Inglés

TÍTULO

Proyecto y utilización de insertos para la elevación y la manipulación de elementos prefabricados de hormigón. (Ratificada por AENOR en septiembre de 2016.)

TÍTULO INGLÉS

Design and use of inserts for lifting and handling of precast concrete elements (Endorsed by AENOR in September of 2016.)

TÍTULO FRANCÉS

Conception et utilisation d'inserts pour le levage et la manutention du béton préfabriqué - Éléments (Entérinée par l'AENOR en septembre 2016.)

OBSERVACIONES

En cumplimiento del punto 11.2.6.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de documento normativo español UNE al documento normativo europeo CEN/TR 15728:2016 (Fecha de disponibilidad 2016-02-17)

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La correspondiente versión oficial de este documento se encuentra disponible en AENOR (C/ Génova 6 28004 MADRID. www.aenor.es)

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RAPPORT TECHNIQUE

TECHNISCHER BERICHT

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English Version

Design and use of inserts for lifting and handling of precast concrete elements

Conception et utilisation d'inserts pour le levage et la manutention du béton préfabriqué - Éléments

Bemessung und Anwendung von Transportankern für Betonfertigteile - Elemente

This Technical Report was approved by CEN on 27 July 2015. It has been drawn up by the Technical Committee CEN/TC 229.

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Contents

Page

European foreword

This document (CEN/TR 15728:2016) has been prepared by Technical Committee CEN/TC 229 “Precast concrete products”, the secretariat of which is held by AFNOR.

This document supersedes CEN/TR 15728:2008.

To ensure the performance of the precast concrete products, lifting and handling should be taken into account in the design of the product.

Inserts are used for lifting and handling of precast elements. They should meet an appropriate degree of reliability. They should sustain all actions and influences likely to occur during execution and use.

This Technical Report deals with lifting inserts cast into precast concrete elements. The intent of this document is to give information to precast product designers.

The failure of inserts for lifting and handling could cause risk to human life and/or lead to considerable economic consequences. Therefore inserts for lifting and handling should be selected and installed properly by skilled personnel according to the lifting and handling instructions.

This Technical Report based on current practices gives recommendations for correct choice and design of lifting inserts according to the lifting capacity of their part embedded in the concrete. It is based on EN 1992-1-1 (Eurocode 2), EN 1993-1-1 (Eurocode 3), CEN/TS 1992-4-1 and on published supplier’s data.

Safety levels should be determined nationally. In the Technical Report numerical values for safety factors as used in different CEN member states are given for information and are recommended as basic values that provide an acceptable level of reliability. They have been selected assuming that an appropriate level of workmanship and of quality management (Factory Production Control) applies. They may be applied in the absence of national regulations.

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