

	Adjustable telescopic steel props Product specifications, design and assessment by calculation and tests English version of DIN EN 1065	DIN EN 1065
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ICS 91.220

Supersedes DIN 4424,
June 1987 edition.

Descriptors: Building materials, steel props, testing.

Baustützen aus Stahl mit Ausziehvorrichtung – Produktfestlegungen,
Bemessung und Nachweis durch Berechnung und Versuche**European Standard EN 1065 : 1998 has the status of a DIN Standard.***A comma is used as the decimal marker.***National foreword**

This standard has been prepared by CEN/TC 53.

The responsible German body involved in its preparation was the *Normenausschuß Bauwesen* (Building and Civil Engineering Standards Committee).

This standard is largely based on DIN 4424.

Amendments

DIN 4424, June 1987 edition, has been superseded by the specifications of EN 1065.

Previous edition

DIN 4424: 1987-06.

EN comprises 32 pages.

ICS 91.220

Descriptors: Building materials, steel props, testing.

English version

Adjustable telescopic steel props

Product specifications, design and assessment by calculation and tests

Etais télescopiques réglables en acier –
Spécifications du produit, conception
et évaluation par calculs et essais

Baustützen aus Stahl mit Ausziehvor-
richtung – Produktfestlegungen,
Bemessung und Nachweis durch
Berechnung und Versuche

This European Standard was approved by CEN on 1998-06-10.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 53 "Temporary works equipment", the secretariat of which is held by DIN.

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 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

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

Introduction

Whilst this European Standard deals with the more common types of adjustable telescopic steel props in use, it is not intended to prevent development of other types of props. For example, props may have hinged ends or other length adjustment devices or be made of other materials. Whilst such props cannot comply with this European Standard it is recommended that the principals of this European Standard be considered in the design and assessment of such props.

The characteristic strengths values specified in this European Standard form a reference level which is unsafe for direct site use. It is a matter for a separate European Standard to relate these characteristic strengths to safe site usage by applying suitable partial safety factors γ_M and γ_F . It is also a matter for a separate European Standard to specify the required level of corrosion protection and inspection.

This European Standard is a product standard primarily for use in the field of falsework and formwork.

In cases where the prop is an integral part of a system of soffit support, other design and assessment procedures may be more appropriate or even necessary.

This European Standard gives a number of alternatives, a designation of which is given in clause 5.

1 Scope

This European Standard specifies materials, design requirements, corrosion protection alternatives together with assessment methods using both calculations and testing for open thread and covered thread adjustable telescopic steel props which are intended for use on construction sites (see figure 1).

It specifies five classes of nominal characteristic strengths for adjustable telescopic steel props each having a series of maximum extended lengths. Each having differing endplate configuration.

This European Standard does not apply to adjustable props of different materials or construction, nor does it provide any information concerning the use of adjustable steel props.