

## **Couplers, spigot pins and baseplates for use in falsework and scaffolds - Part 3: Plain base plates and spigot pins - Requirements and test methods**

Couplers, spigot pins and baseplates for use in  
falsework and scaffolds - Part 3: Plain base plates  
and spigot pins - Requirements and test methods

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 74-3:2007 sisaldab Euroopa standardi EN 74-3:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 74-3:2007 consists of the English text of the European standard EN 74-3:2007.</p> <p>This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p><b>Käsitlusala:</b> EN 74-3 specifies for plain and profiled base plates and loose spigots to be used with 48,3 mm diameter tubes in scaffolds and falsework: - materials; - design requirements; - test procedure; - assessment.</p>	<p><b>Scope:</b> EN 74-3 specifies for plain and profiled base plates and loose spigots to be used with 48,3 mm diameter tubes in scaffolds and falsework: - materials; - design requirements; - test procedure; - assessment.</p>
--	--

ICS 91.220

Võtmesõnad:

English Version

**Couplers, spigot pins and baseplates for use in falsework and  
scaffolds - Part 3: Plain base plates and spigot pins -  
Requirements and test procedures**

Raccords, goujons d'assemblages et semelles pour  
étaieement et échafaudages de service - Partie 3: Semelles  
planes et goujons - Exigences de performances et méthode  
d'essai

Kupplungen, Zentrierbolzen und Fußplatten für  
Arbeitsgerüste und Traggerüste - Teil 3: Ebene Fußplatten  
und Zentrierbolzen - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 15 March 2007.

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 CEN Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

## Contents

Page

Foreword.....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Symbols .....	6
5 Requirements for structural properties.....	7
6 Reference tube .....	7
7 General requirements.....	7
7.1 Materials .....	7
7.2 Design .....	7
7.3 Production .....	9
8 Test method and evaluation of results for a base plate .....	9
8.1 General.....	9
8.2 Purpose of test.....	9
8.3 Arrangement of test.....	9
8.4 Test method.....	10
8.5 Data to be recorded .....	10
8.6 Evaluation of test results .....	10
9 Designation .....	11
10 Marking .....	11
11 Test report and test certification.....	11
12 Product manual.....	11

## Foreword

This document (EN 74-3:2007) 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 October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

This document together with EN 74-1:2005 supersedes EN 74:1988.

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

EN 74, “Couplers, spigot pins and base plates for use in falsework and scaffolds”, consists of the following parts:

Part 1 – *Couplers for tubes – Requirements and test procedures*

Part 2 – *Special couplers – Requirements and test procedures*

Part 3 – *Plain base plates and spigot pins – Requirements and test procedures*

## 1 Scope

EN 74-3 specifies for plain and profiled base plates and loose spigots to be used with 48,3 mm diameter tubes in scaffolds and falsework:

- materials;
- design requirements;
- test procedure;
- assessment.

A base plate with a means of limited vertical adjustment, called a “base jack”, is dealt with in EN 12811-1.

NOTE In the text of this standard, the term “loose spigot” is used instead of the “spigot pin” in the title.

## 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.

EN 74-1:2005, *Couplers, spigot pins and baseplates for use in falsework and scaffolds - Part 1: Couplers for tubes - Requirements and test procedures*

EN 12811-1:2003, *Temporary works equipment - Part 1: Scaffolds – Performance requirements and general design*

EN 12811-2:2004, *Temporary works equipment - Part 2: Information on materials*

EN 12811-3, *Temporary works equipment - Part 3: Load testing*

ISO 2859-10, *Sampling procedures for inspection by attributes - Part 10: Introduction to the ISO 2859 series of standards for sampling for inspection by attributes*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 74-1:2005, in EN 12811-1:2003, EN 12811-2:2004 and the following apply.

### 3.1

#### **plain base plate (BP)**

stiff base flat or deformed with a centring device for locating a tube for spreading the force (see Figure 1)