This is a free page sample. Access the full version online.

National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 74-1:2005

ICS 91.220

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
http://www.nsai.ie

Sales
http://www.standards.ie

COUPLERS, SPIGOT PINS AND BASEPLATES FOR USE IN FALSEWORK AND SCAFFOLDS - PART 1: COUPLERS FOR TUBES - REQUIREMENTS AND TEST PROCEDURES

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

December 2, 2005

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2005

Price Code M

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 74-1

October 2005

ICS 91.220

Supersedes EN 74:1988

English Version

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

Raccords, goujons d'assemblages et semelles pour étaiement et échaffaudages de service - Partie 1: Raccords pour tubes - Exigences de performance et méthodes d'essai

Kupplungen, Zentrierbolzen und Fußplatten für Arbeitsgerüste und Traggerüste - Teil 1: Rohrkupplungen - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 26 August 2005.

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.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, 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

© 2005 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 74-1:2005: E

This is a free page sample. Access the full version online.

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms, definitions and symbols 5
3.1 Terms and definitions 6
3.2 Symbols and abbreviations 6

4 Types and classes of couplers 7
4.1 Types of couplers 7
4.2 Classes of couplers 7

5 Reference tubes and bar for coupler tests 12

6 General requirements 13
6.1 Materials 13
6.2 Design 13
6.3 Manufacturer's drawing 16
6.4 Production 16

7 Test methods and evaluation of results 16
7.1 General 16
7.2 Slipping and failure force 19
7.3 Pull-apart force F_p (RA) 26
7.4 Stiffnesses and ultimate moments 27
7.5 Indentation (RA,SW,PA) 34

8 Designation 36

9 Marking 36

10 Test report 37

11 Evaluation of test results 37

12 Assessment 37

13 Product manual 37

Annex A (normative) Whitworth thread size 1/2 X 12 Tpi 38

A.1 Nominal values 38

A.2 Tolerances and limiting dimensions after coating 39

Annex B (informative) Ongoing production control 40

Bibliography 42

This is a free page sample. Access the full version online.

Foreword

This European Standard (EN 74-1:2005) 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

When published this European Standard supersedes the requirements for couplers specified in EN 74:1988. There are additional requirements for some couplers.

The couplers specified in this European Standard are intended for use in scaffolds erected in accordance with EN 12811-1 and falsework erected in accordance with EN 12812.

This European Standard is not mandated at the time of publication.

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

This is a free page sample. Access the full version online.

Introduction

This is the first of three parts of a European Standard which supersedes EN 74:1988.

This first part, EN 74-1, covers common types of friction couplers.

The second part, EN 74-2, deals with other less common types of couplers.

The third part, EN 74-3, deals with plain base plates and loose spigot pins. Until this part is available the respective clauses of EN 74:1988 remain valid.

EN 74-1 defines a set of steel and aluminium reference tubes for the required tests.

EN 74-1 is not intended to prevent the development of other types of couplers. For example couplers may be manufactured in aluminium or other materials or be designed for use with steel or aluminium tubes other than the normally used 48,3 mm nominal outside diameter. Whilst such couplers cannot comply with this European Standard, it is recommended that the principles of this European Standard are considered in their design and assessment.

The couplers in this European Standard are intended for use in scaffolds and falsework for connecting 48,3 mm outside diameter steel and aluminium tubes which fulfil in other respects (e.g. material grade, thickness and tolerances) the requirements given in EN 12811-1, EN 12811-2 and EN 12810-1.

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation