



**NSAI**  
Standards

Irish Standard  
I.S. EN 74-2:2008

# Couplers, spigot pins and baseplates for use in falsework and scaffolds - Part 2: Special couplers - Requirements and test procedures

## I.S. EN 74-2:2008

*Incorporating amendments/corrigenda issued since publication:*

<i>This document replaces:</i>	<i>This document is based on:</i> EN 74-2:2008	<i>Published:</i> 17 September, 2008
This document was published under the authority of the NSAI and comes into effect on: 22 October, 2008		ICS number: 91.220
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
		<b>Price Code:</b> <b>M</b>
Údarás um Chaighdeáin Náisiúnta na hÉireann		

ICS 91.220

English Version

**Couplers, spigot pins and baseplates for use in falsework and scaffolds - Part 2: Special couplers - Requirements and test procedures**

Raccords, goujons d'assemblage et semelles pour  
étaisements et échafaudages - Partie 2: Raccords spéciaux  
- Exigences et modes opératoires d'essai

Kupplungen, Zentrierbolzen und Fußplatten für  
Arbeitsgerüste und Traggerüste - Spezialkupplungen - Teil  
2: Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 9 August 2008.

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 .....	6
4 Symbols .....	8
5 Types and classification of special couplers .....	9
6 Transmissible internal forces, moments and related stiffnesses .....	10
6.1 General.....	10
6.2 Half coupler .....	11
6.3 Sleeve coupler with shear studs (SS).....	12
6.4 Reduction coupler .....	12
7 Reference tubes/bar for coupler tests .....	14
8 General requirements.....	15
8.1 Materials .....	15
8.2 Design .....	15
8.3 Manufacturer's drawings .....	17
8.4 Production control.....	17
9 Tests methods and evaluation of results.....	17
9.1 General.....	17
9.2 Half Couplers.....	18
9.3 Sleeve couplers with shear studs (SS).....	27
9.4 Reduction couplers .....	30
10 Designation .....	30
11 Marking .....	31
12 Test report .....	31
13 Assessment.....	31
14 Product Manual .....	31
Annex A (informative) Ongoing production control .....	33
Annex B (informative) Information about the design of temporary works structures .....	35
B.1 General.....	35
B.2 Structural design .....	35
Bibliography.....	41

## **Foreword**

This document (EN 74-2:2008) 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 2009, and conflicting national standards shall be withdrawn at the latest by March 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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

In accordance with 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 the United Kingdom.

## **Introduction**

This is the second of three parts of a standard for couplers.

EN 74-1 deals with common types of friction couplers.

EN 74-2 deals with other less common types of friction couplers and other couplers.

EN 74-3 deals with non-adjustable base plates and loose spigot pins.

EN 74-2 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 with outside diameters different from those specified in this standard.

Whilst such couplers cannot conform to this standard, it is recommended that the principles of this standard are considered in their design and assessment.

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

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
-