

Purchasing guidelines for: EN 74-1 Couplers

Issued – November 2018

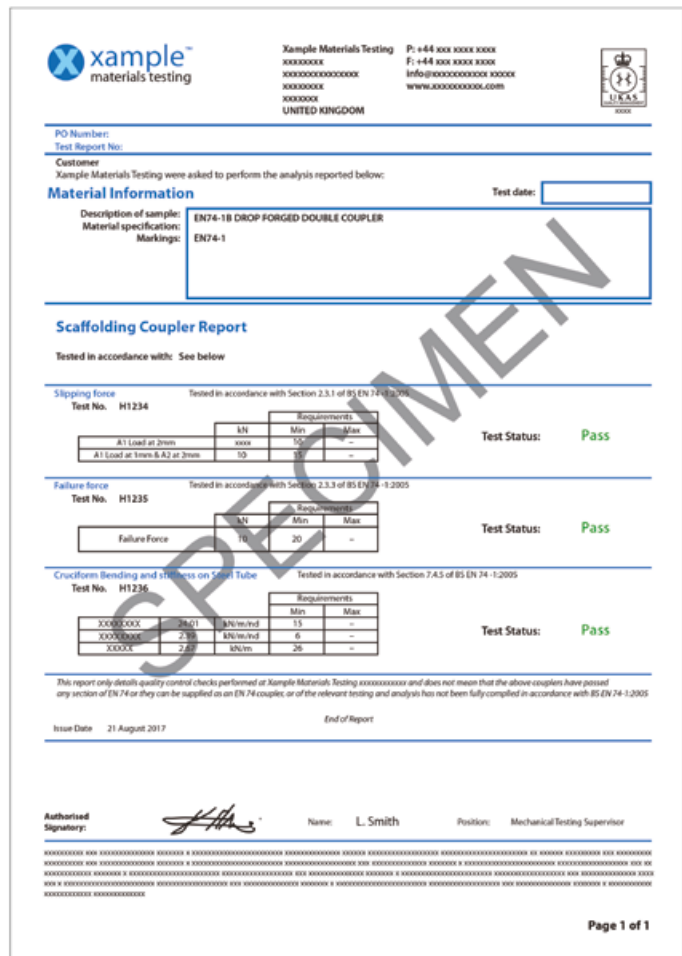
INTRODUCTION

The purpose of this guidance note is to detail best purchasing practice for EN74-1: 2005 scaffold couplers. If the couplers are sourced from an NASC compliant company, as demonstrated by the NASC CoP assessment report, then no further action is required, other than a visual inspection of your supplier's certificate of product compliance with the NASC CoP product audit (a list of suppliers and products may be found on the NASC website). If the couplers are not sourced from an NASC compliant company, then the guidelines below should be followed.

TEST DATA

Test data is the criteria to which the product is independently tested as seen on the test report example opposite, & should consist of:

- Annual testing should be on swivel couplers & right angle couplers for all suppliers/manufacturers, as follows:
- Slip force testing & failure forces [max. load] swivels & right angled couplers.
- Cruciform bending/stiffness test for right angle couplers only.
- Annual tests must be by a UKAS accredited facility or TUV/SGS.
- Full prototype testing to EN 74-1:2005 by a UKAS registered external body should be available upon request.



xample materials testing | Example Materials Testing | P: +44 xxx xxxxx xxxxx | F: +44 xxx xxxxx xxxxx | info@xxxxxxxxxxxxxxxx.com | www.xxxxxxxxxxxxx.com | UNITED KINGDOM | UKAS

PO Number: | Test Report No: | Customer: | Example Materials Testing were asked to perform the analysis reported below: | Material Information: | EN74-1B DROP FORGED DOUBLE COUPLER | EN74-1 | Test date: |

Scaffolding Coupler Report

Tested in accordance with: See below

Slipping force | Tested in accordance with Section 2.3.1 of BS EN 74-1:2005 | Test No. H1234 | Requirements: | Min | Max | Test Status: Pass

	kN	Min	Max
A1 Load at 2mm	xxxx	10	-
A1 Load at 1mm & A2 at 2mm	10	15	-

Failure force | Tested in accordance with Section 2.3.3 of BS EN 74-1:2005 | Test No. H1235 | Requirements: | Min | Max | Test Status: Pass

	kN	Min	Max
Failure Force	10	20	-

Cruciform Bending and Stiffness on Swivel Tube | Tested in accordance with Section 7.4.5 of BS EN 74-1:2005 | Test No. H1236 | Requirements: | Min | Max | Test Status: Pass

	mm	kN/m/nd	Min	Max
XXXXXXX	2601	8N/m/nd	15	-
XXXXXXX	2.15	8N/m/nd	6	-
XXXXX	2.15	10N/m	25	-

This report only details quality control checks performed at Example Materials Testing and does not mean that the above couplers have passed any section of EN 74 or they can be supplied as an EN 74 coupler, or of the relevant testing and analysis has not been fully complied in accordance with BS EN 74-1:2005

Issue Date: 21 August 2017 | End of Report

Authorised Signatory: [Signature] | Name: L. Smith | Position: Mechanical Testing Supervisor

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MATERIAL CERTIFICATION

You need to check that a material certificate of conformity/test report is issued for all supplied couplers. Opposite is an example of a material certificate of conformity/test report which should consist of:

- Confirmation that couplers meet the requirements of EN 74-1:2005.
- The specification should be clearly identified on the certificate of conformity

Purchase Order No: XXXXXXXX		Test Report No:		Date of issue: XXXXXXXX	
Purchase Order Ref No: XXXXXXXX				Test Date: XXXXXXXX	

Scaffolding Coupler Report

The following report details performed on 3 Steel Drop Forged Double Coupler samples tested on 48.3 OD x 4 mm thickness Steel tube (RT sa) & 48.3 OD Steel bar (RB) in accordance with the relevant sections of BS EN74-1:2005 as stated below.

Coupler Identification Details.	
Coupler Type	Steel Drop Forged Double Coupler
Marking	EN74-1B M XXXX 0617
Class	B
Material Specification	BS EN 74-1:2005
Engineer	



Results:

Design
The design of the coupler complied with the requirements of the relevant items in clause 6.2 of the standard.

Dimensions and material characteristics
The measured dimensions, mass and material characteristics of the coupler were all within the tolerances as specified by the drawing.

Results of all test performances are mentioned below.

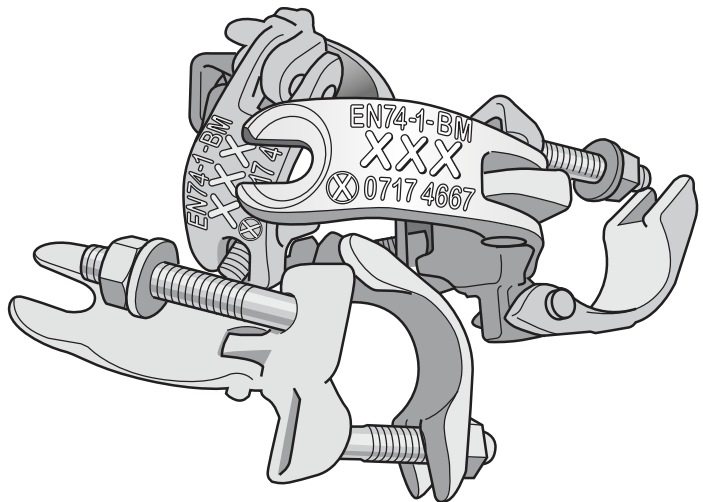
All requirements stated are minimum values.

Prepared by:  Checked by: 

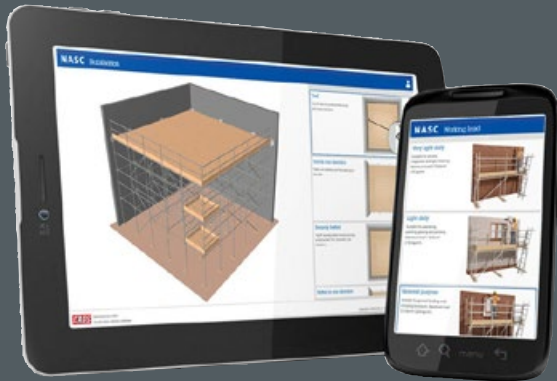
MARKING REQUIREMENTS

You need to check that each coupler is marked on the flap or body with the following information:

- Reference to EN 74-1.
- Registered trade mark, or the manufacturer's name [or both] shown as XXX opposite.
- Year of manufacture [minimum last two digits].
- Coupler class [A or B].
- Type of ongoing production inspection: [L or M – L: being internal quality control, M: being both internal and external quality control].



Guidance that makes a difference



- Comprehensive industry guidance, recognised by the Health & Safety Executive (HSE)
- Targets all safety and commercial risks, ensuring your business remains safe and profitable
- Meticulously researched and written by experienced professionals, focused on improving the scaffolding industry
- Aimed at the busy general manager with user friendly, step-by-step advice
- Cutting edge technical guidance on best practice, including ePortal and compliance sheets, that could save you thousands of pounds
- Guidance used by the whole industry – but NASC members receive much of it free and the rest at a huge discount of up to 82%.

“Setting the Standard for Scaffolding”

NASC

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