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**BS 1139-2.2:2009+A1:2015**



**BSI Standards Publication**

**Metal scaffolding –**  
Part 2: Couplers and fittings –  
Section 2.2: Couplers and fittings outside  
the scope of BS EN 74 – Requirements  
and test methods

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### Publishing information

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### Supersession

BS 1139-2.2:2009+A1:2015 supersedes BS 1139-2.2:2009, which is withdrawn.

### Relationship with other publications



BS 1139, *Metal scaffolding*, was published in six parts:

- Part 1.1: *Tubes – Specification for steel tube* (superseded by BS EN 39:2001);
- Part 1.2: *Tubes – Specification for aluminium tube*;
- Part 2.1: *Couplers – Specification for steel couplers, loose spigots and base-plates for use in working scaffolds and falsework made of steel tubes* (superseded by BS EN 74-1:2005);
- Part 3: *Specification for prefabricated mobile access and working towers* (superseded by BS EN 1004:2004);
- Part 4: *Specification for prefabricated steel splitheads and trestles*;
- Part 5: *Specification for materials, dimensions, design loads and safety requirements for service and working scaffolds made of prefabricated elements* (superseded by BS EN 12810-1:2003);
- Part 6: *Specification for prefabricated tower scaffolds outside the scope of BS EN 1004, but utilizing components from such systems*.

### Information about this document

This British Standard supplements BS EN 74-1 and significant reference is made to it.

BS 1139-2.2:1991 specified requirements for steel and aluminium alloy couplers and fittings. This edition covers right-angle, swivel and sleeve couplers made from aluminium, and a range of special couplers made from steel. For fittings no longer included in this standard, see:

-  BS EN 74-3:2007  (non-adjustable baseplates); and
- BS EN 12810-2:2003, Annex B (adjustable baseplates).

The main changes from BS 1139-2.2:1991 were:

- the information is much more comprehensive and precise and gives more confidence in the components;
- reference to open-jointed tube is no longer included;
- minimum contents of a product manual are specified;
- requirements for putlogs are specified;
- the testing and assessment procedures are specified in greater detail.

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characteristic values <sup>A1</sup> text deleted <sup>A1</sup>.

Annex B specifies data for users of the <sup>A1</sup> permissible <sup>A1</sup> stress design method.

Amendment A1 introduces the following principal changes:

- Standard title has been amended to cover fittings as well as couplers to reflect the content of the standard; and
- New test method for slippage of putlog couplers has been included.

Text introduced or altered by Amendment No.1 is indicated in the text by tags <sup>A1</sup> <sup>A1</sup>. Minor editorial changes are not tagged.

### **Presentational conventions**

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

### **Contractual and legal considerations**

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

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This section of BS 1139-2 specifies requirements and test methods for <sup>A1</sup> aluminium couplers, steel putlog couplers and ancillary fittings outside the scope of BS EN 74, for use in scaffolds and falsework constructed with steel scaffold tubes conforming to BS EN 39:2001, Type 3 or Type 4, or aluminium scaffold tubes conforming to BS 1139-1.2 <sup>A1</sup>.

It is applicable to:

- aluminium right-angle, swivel and sleeve couplers;
- steel putlog couplers, expanding joint pins and reveal pins;
- steel putlogs, putlog adapters and toe-board clips; and
- aluminium or steel castors.

*NOTE* Steel right-angle, swivel, sleeve and parallel couplers are covered by BS EN 74-1.

## 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.

BS 1139-1.2, *Metal scaffolding – Part 1: Tubes – Section 1.2 Specification for aluminium tube*

BS EN 39, *Loose steel tubes for tube and coupler scaffolds – Technical delivery conditions*

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

BS EN 1706, *Aluminium and aluminium alloys – Castings – Chemical composition and mechanical properties*

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

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

<sup>A1</sup> Text deleted. <sup>A1</sup>

## 3 Terms and definitions

For the purposes of this section of BS 1139-2, the terms and definitions given in BS EN 74 <sup>A1</sup> (all parts) <sup>A1</sup> and the following apply.

<sup>A1</sup> Text deleted. <sup>A1</sup>

### 3.1 castor

<sup>A1</sup> fitting for attaching a wheel to the lower end of a standard (see 3.10) that can allow the wheel to swivel about the axis of the scaffold tube <sup>A1</sup>

### <sup>A1</sup> 3.2 coupler

device used for connecting two tubes

[SOURCE: BS EN 74-1:2005] <sup>A1</sup>