

Metal scaffolding —

Part 6: Specification for prefabricated tower scaffolds outside the scope of BS EN 1004, but utilizing components from such systems

ICS 91.220

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Committees responsible for this British Standard

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- British Ladder Manufacturers' Association
- Construction Industry Training Board
- Department of Trade and Industry
- Health and Safety Executive
- Hire Association Europe
- Prefabricated Aluminium Scaffolding
- Co-opted members

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Foreword

This part of BS 1139 has been prepared by Subcommittee B/514/24

It should be read in conjunction with and is complementary to BS EN 1004.

Attention is drawn to the Manual Handling Operations Regulations 1992 (revised 1998) [1] and the Work at Height Regulations 2005 [2].

Information on training is given in Annex A.

Product certification. Users of this British Standard are advised to consider the desirability of third-party certification of product conformity with this British Standard. Attention is drawn to BS EN 1004:2005, Clause 13 in respect of product assessment.

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

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 11 and a back cover.

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1 Scope

This part of BS 1139 specifies requirements for prefabricated mobile tower systems conforming to BS EN 1004 in the assembly of:

- a) access towers outside the scope of BS EN 1004;
- b) other configurations that also incorporate components outside the scope of BS EN 1004.

These comprise high clearance towers, high level towers, linked towers, room scaffolds, cantilevered platform structures and roof scaffolds, all intended, where appropriate, for both indoor and outdoor use.

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 EN 1004:2004, *Mobile access and working towers made of prefabricated elements — Materials, dimensions, design loads, safety and performance requirements*.

BS EN 1298, *Mobile access and working towers — Rules and guidelines for the preparation of an instruction manual*.

3 Terms and definitions

For the purposes of this part of BS 1139 the definitions given in BS EN 1004 and the following apply.

3.1 Frames

3.1.1

step-through frame

tower frame designed to allow through access

NOTE See Figure 1 for an example of a step-through frame.

3.1.2

walk-through frame

tower frame designed to allow through access at ground level

NOTE See Figure 2 for an example of a walk-through frame.

3.2 Scaffolds

3.2.1

roof scaffold

scaffold structure supported by a roof and giving access to a chimney, dormer window etc.

NOTE 1 See Figure 3 for an example of a roof scaffold giving access to a chimney.

NOTE 2 A full unit normally consists of four quarter sections. Where 360° access is not required, one, two or three quarter sections can be used for access to one or more sides.

3.2.2

room scaffold

mobile or static scaffold structure with a height less than 2.5 m, supporting a single decking component or multiples of decking components to give a working platform area at incremental levels

NOTE See Figure 4 for an example of a mobile room scaffold.

3.3 Structures

3.3.1

cantilevered platform structure

tower structure with a working platform projecting beyond the footprint of the structure

NOTE See Figure 5 for an example of a cantilevered platform structure.