MALAYSIAN STANDARD

MS 1462-1:2021

Metal scaffolding – Part 1: Prefabricated scaffolds – Specification for steel frame scaffolding
(Second revision)

ICS: 91.080.30

Descriptors: steel frame scaffoldings, definitions, materials, dimensional requirements, physical testing

DEPARTMENT OF STANDARDS MALAYSIA

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Committee representation

The National Standards Committee on Building, Construction and Civil Engineering (NSC D) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
Department of Irrigation and Drainage Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerajaan Tempatan
Jabatan Kerja Raya
Malaysian Iron and Steel Industry Federation
Malaysian Timber Industry Board
Master Builders Association Malaysia
Pertubuhan Akitek Malaysia
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Real Estate and Housing Developers' Association Malaysia
Suruhanjaya Perkhidmatan Air Negara
The Cement and Concrete Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Putra Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Steel Products (TC/D/4) which supervised this Malaysian Standard consists of representatives from the following organisations:

Construction Industry Development Board Malaysia
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia (Secretariat)
Malaysian Iron and Steel Industry Federation
Malaysia Steel Association
Malaysian Structural Steel Association Master Builders Association Malaysia
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi Malaysia
Universiti Teknologi MARA

The Working Group on Tubular and Prefabricated Scaffolding (WG/D/4-3) which developed this Malaysian Standard consists of representatives from the following organisations:

Aerial Global Sdn Bhd
Construction Industry Development Board Malaysia
Construction Research Institute of Malaysia
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia (Secretariat)
Jabatan Kerja Raya Malaysia
Leform Sdn Bhd
SIRIM QAS International Sdn Bhd
Southern Pipe Industry (M) Sdn Bhd
SUMI-Tech Industrial Supplies Sdn Bhd
Universiti Teknologi MARA

Foreword

This Malaysian Standard was developed by the Working Group on Tubular and Prefabricated Scaffolding under the authority of the Industry Standards Committee on Building, Construction and Civil Engineering.

With the substantial construction activities envisioned, the importance of the use of contemporary scaffolding cannot be ignored. Tubular and Prefabricated Scaffolding, currently being used widely in Malaysia, is one of the contemporary categories of scaffolding which can be assembled and dismantled speedily, transported and handled effortlessly.

This Malaysian Standard is the second revision of MS 1462-1, *Prefabricated scaffolds - Specification for steel frame scaffoldings.*

Major Modification in this revision are as follows:

a) incorporation of members, “global bracing system”, “side protection/guardrail” and “toe board” in Table 2;

b) incorporation of new clause 10;

c) replacement of Figure H1 with new figure and incorporation of clause H1;

d) addition of annex P and incorporation of members “clamp” in Table 2;

e) incorporation of members, “cross brace”, “joint pin”, “global bracing system”, and “side protection/guardrail” in Table 2; and

f) Revision of figure 3 and additional note.

This Malaysian Standard consists of the following parts, under the general title *Metal Scaffolding:*

Part 1: Prefabricated scaffolds - specification for steel frame scaffolding

Part 2: Tubular (tube and coupler) scaffolds - Section 1: Specification for steel tubes

Part 2: Tubular (tube and coupler) scaffolds - Section 2: Specification for aluminium tubes

Part 2: Tubular (tube and coupler) scaffolds - Section 3: Specification for steel and aluminium couplers, fitting and accessories

Part 3: Prefabricated scaffolds - Section 1: Specification for steel and aluminium modular system scaffolding

*Part 4: Temporary works equipment - Section 1: Performance requirements and general design**

*Part 4: Temporary works equipment - Section 2: Information of materials**

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*Part 4: Temporary works equipment - Section 3: Load testing**

*Part 5: Mobile access and working tower made of prefabricated elements – Materials, dimensions design loads, safety and performance requirements**

*Part 6: Temporary installed suspended scaffolds and access equipment**

This Malaysian Standard cancels and replaces MS 1462:2012, *Metal scaffolding - Part 1: Prefabricated scaffolds - Specification for steel frame scaffolding (First revision)*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

*Under deliberation

