

SINGAPORE STANDARD

Specification for metal scaffoldings

– Part 1 : Frame scaffoldings



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Institution of Engineers, Singapore

Ministry of Manpower

PSB Corporation Pte Ltd

Singapore Contractors Association Limited

Singapore Manufacturers' Federation

Technical and Safety Committee of the Oil & Petrochemical Industries (OPITSC)

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Contents

	Page
Foreword _____	7

CLAUSES

1	Scope _____	8
2	Normative references _____	8
3.	Definitions _____	8
4	Materials _____	12
5	Dimensional requirements _____	12
6	Testing _____	14

ANNEXES

A	Load test on 3-bay x 3-lift frame scaffolding system _____	17
B	Lateral load test (1-bay x 3-lift set up) _____	19
C	Load test on horizontal member of frame _____	21
D	Load test on cross brace _____	25
E	Load test on horizontal frame _____	26
F	Load test on treadboard (catwalk) _____	28
G	Load test on adjustable base plate _____	31
H	Load test on arm lock _____	32
I	Load test on wall tie _____	33
J	Load test on cantilever bracket _____	35
K	Load test on cross brace pin of a vertical frame _____	37
L	Requirements and quality control of the paint coating _____	38

TABLES

1	Dimensions and tolerances for components of frame scaffold _____	12
2	Tolerance for height and width of frame scaffold _____	13
3	Load test requirements for components of frame scaffolding system _____	15
4	Classification of test results _____	40

FIGURES

1	Frame scaffolding _____	10
2	Load test on 3-bay by 3-lift frame scaffolds _____	18
3	Lateral load test (1-bay by 3-lift set up) _____	20
4	Load test on horizontal member _____	21

	Page
5	Test apparatus for measuring deflection_____ 22
6	Compression test on vertical member_____ 24
7	Load test on cross brace_____ 25
8	Load test on horizontal frame_____ 26
9	Load test on gripper fittings (hooks) of horizontal frame_____ 27
10	Deflection and bending test_____ 28
11	Load test on gripper fittings (hooks) of treadboard _____ 29
12	Deflection and 'punching' test _____ 30
13	Load test on adjustable base plate _____ 31
14	Load test on arm lock_____ 32
15	Tensile test on wall tie_____ 33
16	Compressive test on wall tie_____ 34
17	Load test on cantilever brackets_____ 35
18	Load test on cantilever brackets (adjustable)_____ 36
19	Load test on cross brace pin_____ 37
20	Single cutting tool_____ 41
21	Multiple cutting tool_____ 41

Foreword

This Singapore Standard was prepared by the Technical Committee on Construction Management under the purview of the Building and Construction Standards Committee.

This standard is a revision of SS 280:1984 – ‘Specification for frame scaffoldings’.

The changes include:

- (a) revision of the dead loads for overlaying net, guard rail and toe-board to reflect actual use / changes in the relevant regulations.
- (b) updating of the drawings to improve clarity.

In preparing this standard, reference was made to :

- 1. BS EN 39 : 2001 Loose steel tubes for tube and coupler scaffolds – Technical delivery conditions
- 2. JIS G 3444 : 1994 Carbon steel tubes for general structural purposes
- 3. JIS A 8951 : 1995 Tubular steel scaffolds

Acknowledgement is made for the use of information from the above standards.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

- 1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
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Specification for metal scaffoldings – Part 1 : Frame scaffoldings

1 Scope

This Singapore Standard specifies the minimum requirements for metal scaffolding for use as temporary structures on which persons work and which provide support for the materials used. It is applicable to construction, maintenance, repair and demolition work in building, ship building and ship-repairing, petrochemical and other industries.

2 Normative references

The following referenced standards are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the reference document (including any amendments) applies.

BS EN 39	Loose steel tubes for tube and coupler scaffolds – Technical delivery conditions
ISO 1461	Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods
SS 311	Specification for steel tube and fittings use in tubular scaffolding
ISO 2409 : 1992	Paints and varnishes – Cross-cut test
JIS G 3444	Carbon steel tubes for general structural purposes
JIS A 8951 : 1995	Tubular steel scaffolds
SS 5 :	Methods of test for paints, varnishes and related materials
Part G1 1989	Determination of resistance to continuous neutral salt spray
Part H3 1988	Designation of degree of rusting