

SINGAPORE STANDARD**Specification for Outdoor fitness
equipment for public use**

(This Singapore Standard is based on ASTM F 2276 : 2005 – ‘Standard specification for fitness equipment’, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA)



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Housing & Development Board

National Parks Board

Singapore General Hospital

Singapore Sports Council

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Foreword

This Singapore Standard was prepared by the Working Group on Outdoor Fitness Equipment for Public Use under the purview of the General Engineering and Safety Standards Committee.

This Singapore Standard specifies safety requirements that are generally applicable to all stationary fitness equipment. It applies to stationary fitness equipment intended for use by the healthy adults as well as elderly persons or persons with disabilities.

For specific types of fitness equipment, these requirements may be supplemented or modified by the requirements of specific standards that have been issued to cover these specific types or groups of fitness products. Where specific standards exist, this standard should be used in conjunction with the other standards. Special care is required in applying this standard alone to equipment for which no specific standard exists.

The equipment user must recognise, however, that a standard alone will not necessarily prevent injuries. Like other physical activities, exercise involving fitness equipment involves the risk of injury, particularly if the equipment is used improperly.

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In preparing this standard, references were also made to the following publications:

- | | | |
|----|--------------------|---------------------------------------------------------------------------------------|
| 1. | ASTM F 1749 : 2002 | Specification for fitness equipment and fitness facility safety signage and labels |
| 2. | ASTM F 963 : 2007 | Specification for toy safety |
| 3. | BS EN 957-1 : 2005 | Stationary training equipment – Part 1 : General safety requirements and test methods |
| 4. | SS 494 : 2001 | Lead and chromate-free primer for iron and steel substrate |
| 5. | SS 495 : 2001 | Impact attenuation of surface systems under and around playground equipment |

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

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

- 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.*
- An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*
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Specification for outdoor fitness equipment for public use

1 Scope

1.1 This specification establishes parameters for the design and manufacture of fitness equipment, not including gymnasium equipment, as defined in 3.7.

1.2 If the fitness equipment is intended for use by children then ASTM F 963 shall be the primary standard of reference and shall be used in conjunction with this standard.

2 Normative references

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

ASTM F 963, *Consumer safety specification on toy safety*

ASTM F 1749, *Specification for fitness equipment and fitness facility safety signage and labels*

EN 957-1, *Stationary training equipment – Part 1: General safety requirements and test methods*

SS 457, *Playground equipment for public use*

SS 495, *Impact attenuation of surface systems under and around playground equipment*