International Standard 6513

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Building construction — Modular coordination — Series of preferred multimodular sizes for horizontal dimensions

Construction immobilière — Coordination modulaire — Séries de valeurs multimodulaires pour dimensions horizontales

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6513 was developed by Technical Committee ISO/TC 59, *Building construction*, and was circulated to the member bodies in December 1978.

It has been approved by the member bodies of the following countries :

Australia	Greece	New Zealand
Austria	Hungary	Norway
Belgium	India	Poland
Canada	Ireland	Romania
China	Israel	South Africa, Rep. of
Cyprus	Italy	Spain
Czechoslovakia	Japan	Sweden
Denmark	Korea, Rep. of	Switzerland
Finland	Libyan Arab Jamahiriya	Thailand
France	Mexico	Turkey
Germany, F.R.	Netherlands	United Kingdom

The member body of the following country expressed disapproval of the document on technical grounds :

Bulgaria

Printed in Switzerland

Building construction — Modular coordination — Series of preferred multimodular sizes for horizontal dimensions

1 Scope and field of application

This International Standard specifies series of preferred multimodular sizes for horizontal dimensions in building and gives guidance for their use.

It applies to buildings of all types designed in accordance with the principles and rules of modular coordination as laid down in ISO 2848.

2 References

ISO 1006, *Building construction — Modular coordination — Basic module.*

ISO 1040, *Building construction — Modular coordination — Multimodules for horizontal modular dimensions.*

ISO 1791, *Building construction — Modular coordination — Vocabulary.*

ISO 2848, *Building construction — Modular coordination — Principles and rules.*

3 Specification

The series of preferred multimodular sizes for horizontal dimensions are shown in the table.

The 12 M[1)] series can be extended further to use larger increments such as 24 M where technical and economical advantages are evident.

The 15 M, 30 M and 60 M-series correspond to the series in a system of preferred numbers which contain the factor five. These series can also be extended to use larger increments in the series of the multimodule 60 M such as 120 M or larger.

In the selection of sizes from the table, preference should be given to the series of the largest multimodule compatible with functional requirements and economic design.

Table — Series of preferred multimodular sizes for horizontal dimensions

Series of values	Multimodules 3 M	6 M	12 M	15 M	30 M	60 M
	3 M					
	6 M	6 M				
	9 M					
	12 M	12 M	12 M			
	15 M			15 M		
	18 M	18 M				
	21 M					
	24 M	24 M	24 M			
	27 M					
	30 M	30 M		30 M	30 M	
	33 M					
	36 M	36 M	36 M			
	39 M					
	42 M	42 M				
	45 M			45 M		
	48 M	48 M	48 M			
		54 M				
		60 M	60 M	60 M	60 M	60 M
		66 M				
		72 M	72 M			
				75 M		
		78 M				
		84 M	84 M			
		90 M		90 M	90 M	
		96 M	96 M			
				105 M		
			108 M			
			120 M etc.	120 M etc.	120 M etc.	120 M etc.

The preferred multimodular sizes for horizontal dimensions are primarily intended for sizing of components, groups of components and spaces.

The series are standardized for general guidance. Functional, economical and especially national considerations may justify the standardization of modular sizes which are not included in the series.

1) See ISO 1006 : 1 M = 100 mm