International Standard



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION® MEX CHAPOCHAR OPPAHUSALUN TO CTAH CAPTUSALUN® ORGANISATION INTERNATIONALE DE NORMALISATION

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 : $ISO\ 6513:1982$

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

Bulgaria

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

ISO 6513:198

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 - R

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

ISO 1791, Building construction/stanModular_coordinationndards/sist Vocabulary. 7544062fd6bb/iso-65

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^{11} 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									

	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					
БТ	27 M							
	30 M	30 M		30 M	30 M			
1. L	33 M							
ten.	36 M	36 M	36 M					
3	39 M							
Š	42 M	42 M						
ō	45 M			45 M				
1/849f7	$48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{-}48_{-}M_{$	48 M 11	0_48 M					
		54 M	•					
3-090	2	60 M	60 M	60 M	60 M	60 M		
		66 M						
		72 M	72 M					
				/5 M				
		78 M						
		84 M	84 M					
		90 M		90 M	90 M			
		96 M	96 M	405.14				
			100.14	105 M				
				100.14	100.44	100.14		
			120 M	120 M	120 M	120 M		
1	1		etc.	etc.	etc.	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.



Annex Examples of specifications for the preferred modular sizes in a building

Figure 1 — Plan of a building

The sizes of C, D, E and F are taken from the table. A and B are resultant modular sizes.



Figure 2 — Partition

In this example G, H and I are modular sizes which may or may not be taken from the table. K is a resultant modular size.