

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 496

SHAFT HEIGHTS FOR DRIVING AND DRIVEN MACHINES

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 496, *Shaft Heights for Driving and Driven Machines*, was drawn up by Technical Committee ISO/TC 13, *Shaft Heights of Machinery*, the Secretariat of which is held by the Institut Belge de Normalisation (IBN).

Work on this question by the Technical Committee began in 1951, taking into account the studies which had been made by the former International Federation of the National Standardizing Associations (ISA), and led in 1957 to the adoption of a Draft ISO Recommendation.

This first Draft ISO Recommendation (No. 180) was circulated to all the ISO Member Bodies for enquiry in September 1957. As the results of this consultation were not considered satisfactory, the Technical Committee presented a second Draft ISO Recommendation, which was circulated to all the Member Bodies in March 1964 and which was approved by the following Member Bodies:

Argentina	Germany	Spain
Austria	Greece	Sweden
Bulgaria	Israel	Switzerland
Chile	Japan	Turkey
Colombia	Korea, Rep. of	United Kingdom
Czechoslovakia	Netherlands	U.S.A.
Denmark	New Zealand	U.S.S.R.
France	Portugal	Yugoslavia

Two Member Bodies opposed the approval of the Draft:

Belgium
India

The second Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in August 1966, to accept it as an ISO RECOMMENDATION.

SHAFT HEIGHTS FOR DRIVING AND DRIVEN MACHINES

1. DEFINITION

The shaft height is the distance, measured on the machine ready for delivery, between the centre-line of the shaft and the base plane of the machine itself. It does not include the liners used for assembly. In cases where an insulation shim is supplied with the machine, the thickness of this shim should be included in the shaft height.

2. NOMINAL DIMENSION h

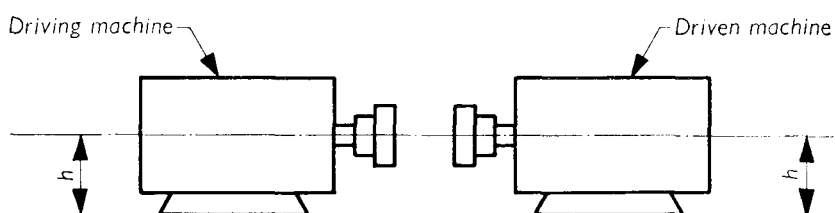


TABLE 1. — Shaft heights in millimetres * and in inches

Shaft heights								
millimetres				inches				
Series				Series				
I	II	III	IV	I	II	III	IV	V
25	25	25	25	0.984	0.984	0.984	0.984	
			26				1.024	
			28				1.102	
			30				1.181	
40	32	32	32	1.575	1.260	1.260	1.260	
			34				1.339	
		36	36			1.417	1.417	
			38				1.496	
	40	40	40		1.575	1.575	1.575	
			42				1.654	
		45	45			1.772	1.772	
			48				1.890	
	50	50	50	1.969	1.969	1.969	1.969	
			53				2.09	
		56	56			2.20	2.20	
			60				2.36	

* The values in millimetres of the series I to IV correspond respectively, however with some roundings, to the values of the preferred numbers R 5, R 10, R 20, R 40 (see ISO Recommendation R 3, *Preferred Numbers - Series of Preferred Numbers*).