INTERNATIONAL STANDARD

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Cylindrical gears for general engineering and for heavy engineering — Modules

Engrenages cylindriques de mécanique générale et de grosse mécanique — Modules

Reference number
ISO 54:1996(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 54 was prepared by Technical Committee ISO/TC 60, *Gears*.

This second edition cancels and replaces the first edition (ISO 54:1977), which has been technically revised.

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Cylindrical gears for general engineering and for heavy engineering – Modules

1 Scope

This International Standard specifies the values of normal modules for straight and helical gears for general engineering and for heavy engineering.

This International Standard is not applicable to gears used in the automotive field.

2 Definition

For the purposes of this International Standard the following definition applies.

2.1 module

Quotient of the pitch, expressed in millimetres, to the number π, or the quotient of the reference diameter, expressed in millimetres, by the number of teeth.

NOTE — The normal module is defined in the normal section of the basic rack[1)].

3 Values

Preference should be given to the use of the normal modules as given in series I in table 1. The module 6,5 of series II should be avoided.

1) For the definition of "basic rack" see ISO 53: —, *Cylindrical gears for general and heavy engineering — Standard basic rack tooth profile.* [To be published. (Revision of ISO 53:1974)]

Table 1 — Modules, *m*

Series	
I	II
1	
	1,125
1,25	
	1,375
1,5	
	1,75
2	
	2,25
2,5	
	2,75
3	
	3,5
4	
	4,5
5	
	5,5
6	
	(6,5)
	7
8	
	9
10	
	11
12	
	14
16	
	18
20	
	22
25	
	28
32	
	36
40	
	45
50	

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