

ICS 21.200

J 17



**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 10095.1-2008/ISO 1328-1:1995

Replace GB/T 10095.1-2001

**Cylindrical gears - System of accuracy - Part 1:
Definitions and allowable values of deviations relevant
to corresponding flanks of gear teeth**

圆柱齿轮 精度制

第 1 部分：轮齿同侧齿面偏差的定义和允许值

(ISO 1328-1: 1995, IDT)

Issued on March 31, 2008

Implemented on September 01, 2008

**Issued by General Administration of Quality Supervision, Inspection
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

Contents

Foreword	1
ISO Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Symbols and abbreviations	14
5 Structure of the system of accuracy for gears	15
6 Formulae for allowable values of gear deviations of accuracy grade 5	17
7 Allowable values of gear deviations relevant to corresponding flanks	18
Annex A (Normative) Tolerances for tangential composite deviations	27
Annex B (Informative) Values of profile and helix form and slope deviations	31
Bibliography	38

Foreword

GB/T 10095 *Cylindrical gears - System of accuracy* consists of two parts are as follows:

- Part 1: Definitions and allowable values of deviations relevant to corresponding flanks of gear teeth;
- Part 2: Definitions and allowable values of deviations relevant to radial composite deviations and runout information

This is part 1 of GB/T 10095.

This part is identical to ISO 1328-1: 1995 *Cylindrical gears -- ISO system of accuracy -- Part 1: Definitions and allowable values of deviations relevant to corresponding flanks of gear teeth* (English version)

This part is identically translated from ISO 1328-1:1995; for easy use, the following editorial modification is made for this part:

- Certain arrangement format is modified according to habit of Chinese language;
- “.” Which is used as decimal point is replaced with decimal point “.”;
- If other international standard referred in ISO1328-1:1995 has been identically adopted as Chinese standard, replace the corresponding international standard with Chinese standard; otherwise, use Chinese standard directly.

This part is amendment to GB/T 10095.1 - 2001 *Involute Cylindrical Gear - Accuracy-- Part 1: Definitions and Allowable Values of Deviations Relevant to Corresponding Flanks of Gear Teeth*. Compared with GH/T 10095.1-2001, modification on main content is as follows:

- In order to keep consistent with ISO 1328-1, the standard name is changed to *Cylindrical Gears -System of Accuracy-Part 1: Definitions and Allowable Values of Deviations Relevant to Corresponding Flanks of Gear Teeth*.
- Part of the terms are modified, for example, “Limit Deviation” is changed to

“Deviation”; “Pitch Amount with Continuous k ” is changed to “Pitch Amount with Sequential k ”, and “Total Tolerance” is changed to “Total Deviation” (“Total Cumulative Pitch Tolerance” is changed to “Cumulative Pitch Discrepancy ”; “Total Tooth Profile Tolerance” is changed to “Total Tooth Profile Deviation”; “Total Helix Tolerance” is changed to “Total Helix Deviation” and “Total Composite Tangential Tolerance” is changed to “Total Composite Tangential Deviation”), etc..

—— “Identically Adopting ISO 1328-1:1997” is changed to “Identically Adopting ISO 1328-1:1995” (without ISO 1328-1, Version 1997);

—— Literal expression in part of clauses are modified.

Annex A of this Standard is normative annex, annex B is informative annex.

This part is proposed by China Machinery Industry Federation.

This part is under the jurisdiction of National Gear Standardization Technical Committee.

The responsible drafting organizations are Zhengzhou Research Institute of Mechanical Engineering and Mechanical Science Research Institute.

The chief drafting staff of this standard includes Zhang Yuanguo, Ming Cuixin, Zhang Minan, Li Shizhong, Wang Changlu, Wang Qi, Yang Xingyuan, Chen Aimin, Lin Taijun and Xu Hongji.

This part replaces the following historical editions issued:

— GB/T 10095.1-2001.



北京文心雕语翻译有限公司
Beijing Lancarver Translation Inc.

完整版本请在线下单/Order Checks Online for Full Version

联系我们/or Contact :

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : info@lancarver.com

<http://www.lancarver.com>

线下付款方式 :

I. 对公账户 :

单位名称 : 北京文心雕语翻译有限公司

开 户 行 : 中国工商银行北京清河镇支行

账 号 : 0200 1486 0900 0006 131

II. 支付宝账户 : info@lancarver.com

III. Paypal: info@lancarver.com

注: 付款成功后, 请预留电邮, 完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱, 如需索取发票, 下单成功后的三个工作日内安排开具并寄出, 预祝合作愉快!

NOTE All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to info@lancarver.com, you will shortly receive an e-mail confirming your order.



银联特约商户

