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

中华人民共和国国家标准

GB

GB/T196-2003

Replace: GB/T196-1981

**General Purpose Metric Screw Threads-Basic
Dimensions**

普通螺纹 基本尺寸

(ISO 724: 1993, ISO general purpose metric screw threads-Basic dimensions, MOD)

Issued on May 22, 2003

Implemented on January 1, 2004

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

Foreword

This standard is modified in relation to ISO 724:1993 "ISO general purpose metric screw threads- basic dimensions". There are no technical differences between this national standard and the ISO standard.

There are differences between GB/T 14791-1993 "The terms of screw threads" and the ISO 5408:1983 "The terms of cylindrical thread". The screw threads can be categorized into: cylindrical thread and tapered thread; pressurized thread and non-pressurized thread; mechanical binding thread and transmission thread; symmetric V-thread and asymmetric V-thread. For the time being, the ISO 5408 only specifies the terms for the cylindrical thread (part of the mechanical binding thread and part of transmission thread), which is far beyond the functioning demand of the real production. On the basis of the practices in Japan, the United States and Russia, a standard of the thread terms which is applicable to various screw threads is formulated in China. The technical content of this national standard is much more comprehensive and that of the ISO thread terms is also included in.

This national standard will replace GB/T 196-1981 "General purpose metric screw threads-Basic dimensions".

Compared with GB/T 196-1981, in this standard, there are some variations on the specifications of the thread. The specific variations on specification are given in GB/T 193-2003.

This standard specifies the standard for basic dimensions. This series of general purpose metric screw threads-related standards include:

- GB/T 192-2003 "General purpose metric screw threads-Basic profile";
- GB/T 193-2003 "General purpose metric screw threads—General plan";
- GB/T 9144-2003 "General purpose metric screw threads-Preferable plan";
- GB/T 1414-2003 "General purpose metric screw threads-The plan for pipe systems";
- GB/T 196-2003 "General purpose metric screw threads-Basic dimensions";
- GB/T 197-2003 "General purpose metric screw threads-Tolerance";
- GB/T 2516-2003 "General purpose metric screw threads-Limit deviations";
- GB/T 15756-1995 "General purpose metric screw threads-Limits of size";
- GB/T 9145-2003 "General purpose metric screw threads-Limits of sizes for the screw threads of medium quality and preferable plan";
- GB/T 9146-2003 "General purpose metric screw threads-Limits of sizes for the screw threads of coarse quality and preferable plan".

This standard is the foundation for preparing the General purpose metric screw threads-Tolerance/Limit deviations/ Limits of size.

This standard was proposed by and under the jurisdiction of the National Technical Committee 108 on Screw Threads of Standardization Administration of China (SAG/TC108).

This standard was drafted by the Machinery Institute of Science and Technology.

This standard was prepared by Li Xiaobin.

This standard was first issued in 1963 and first revised in 1981.

It is the end of preview.
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