

ICS 21.120.20
CCS J19



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

GB/T 10043-2017

Replacing GB/T 10043-2003

Clutch classification

离合器分类

Issued on: February 28, 2017

Implemented on: June 1, 2017

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

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 10043-2003 "Clutch Classification". Compared with GB/T 10043-2003, the main technical differences are as follows:

- some of the English and Chinese printing errors and some English has been modified;
- 3.1.2.8 "permanent magnet clutch", 3.1.2.8.1 "contact permanent magnet clutch", 3.1.2.8.2 "non-contact permanent magnet clutch" Classification;
- increase the flange type and mark. This standard is proposed and assigned by the National Committee on Standardization of Machine Shaft and Accessories (SAC/TC109). The drafting unit of this standard. Wanxiang Qianchao Co., Ltd., China Machine Productivity Promotion Center, Shaanxi Xianyang Beyond Clutch Co., Ltd., North Beijing Xinxing over clutch Co., Ltd. The main drafters of this standard. Ming Cui new, wide range, Lin Guangzhong, Ren Xupeng, Zhu Chunmei, Deng Gao see, Zhu Yue. This standard replaced the previous version of the standard release.
- GB/T 10043-1988, GB/T 10043-2003. Clutch classification

1 Scope

GB/T 10043-2017 is the Chinese national standard on clutch classification, in the field of mechanical systems and components. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 February 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2017. Classification: ICS 21.120.20, CCS J19. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification of the clutch and self-control clutch and model representation. This standard applies to the operation of clutch and self-control clutch.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 1144 Rectangular spline dimensions, tolerances and tests

GB/T 3478.1 Cylindrical straight teeth involute splines (metric series of teeth) Part 1. General

GB/T 3852 Coupling shaft hole and coupling type and dimensions

GB/T 9114 with steel pipe flange with neck thread

GB/T 28701 expansion joint

3.1.1 Mechanical clutch

3.1.1.1 Chip Clutch 3.1.1.1.1 Dry single-chip clutch (referred to as chip clutch) 3.1.1.1.2 wet single-chip clutch 3.1.1.1.3 Double-disc clutch 3.1.1.1.4 wet two-piece clutch 3.1.1.1.5 multi-disc clutch 3.1.1.1.6 wet multi-plate clutch 3.1.1.1.7 inverted wet multi-plate clutch 3.1.1.1.8 Double acting disc clutch

3.1.1.2 Jawing Clutch 3.1.1.2.1 Positive Triangular Jaw Clutch (referred to as Jaw Clutch)

3.1.1.2.2 Double-sided triangular jaw clutch (referred to as double-sided jaw clutch)

3.1.1.2.3 oblique triangular jaw clutch 3.1.1.2.4 Forward trapezoidal jaw clutch 3.1.1.2.5

oblique trapezoidal jaw clutch 3.1.1.2.6 Taper-shaped jaw clutch 3.1.1.2.7 helical jaw clutch