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

GB/T 10042-2017

Replacing GB/T 10042-2003

Clutch vocabulary

离合器术语

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Table of Contents

Foreword	I
1 Scope	1
General terms	1
3 Key Parts Terminology	4
Performance Terminology	8
Index	15

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 10042-2003 "Clutch terminology".

The main technical changes compared with GB/T 10042-2003 are as follows.

--- some of the English and Chinese printing errors and some English has been modified;

--- Added "2.43 permanent magnet clutch" "3.21 disc spring" "3.48 semi-metallic friction material" "3.49 tension spring" and other terms and

Definition (see Chapter 2, Chapter 3).

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., in the machine productivity promotion center, Beijing emerging beyond clutch Co., Ltd., Shaanxi

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This standard replaced the previous version of the standard release.

GB/T 10042-1988, GB/T 10042-2003.

1 Scope

This standard defines the terms of the clutch for mechanical contact.

This standard applies to mechanical contact of the clutch.

2.1 Clutch clutch

A device that has a splicing or splitting function when transmitting torque or motion on a coaxial line.

2.2 Manipulate the clutch controledclutch

By engaging, the engaging element has a clutch that engages or separates the function.

2.3 Self-controlled clutch self-controledclutch

The engagement element has a clutch of self-engaging or splitting functions when certain performance parameters are changed in the active or slave parts.

2.4 Mechanical clutch mechanicallycontroledclutch

A clutch with a clutch function under the direct action of a mechanical mechanism.

2.5 Electromagnetic clutch

A clutch with a clutch function under electromagnetic force.

2.6 Hydraulic clutch hydraulicallycontroledclutch

Clutch with clutch function under liquid pressure.

2.7 Pneumatic clutch pneumaticallycontroledclutch

Pneumatic Clutch

A clutch with a clutch function under air pressure.

2.8 Overrunning clutch overrunningclutch

A clutch with a self-clutch function is used for the change of the speed of the main and slave parts or the direction of rotation.

2.9 Centrifugal clutch centrifugalclutch

A clutch with a clutch function under the direct acting force of the centrifugal body.

2.10 Safety clutch safetyclutch

Make sure that the torque delivered or the speed does not exceed a certain value of the clutch.