

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 0152 – 1997

Clutches and brakes—Vocabulary

UDC 001.4 : 629.113-59

B 0152-1997

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1973-03-01

Date of Revision: 1997-01-20

Date of Public Notice in Official Gazette: 1997-01-20

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Machine Elements

JIS B 0152-1997, First English edition published in 1997-05

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

Clutches and brakes—Vocabulary

1 Scope This Japanese Industrial Standard specifies the fundamental terms of the clutches and brakes and definitions thereof.

2 Classification of terms The classification of terms of clutches and brakes shall be in accordance with the following:

- (1) Terms relating to types
- (2) Terms for components
- (3) Terms for actuations
- (4) Terms for performances

3 Terms and definitions The terms and definitions shall be in accordance with the following:

The idiomatic Japanese terms and English equivalent are given for informative reference.

(1) Terms relating to types

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				Idiomatic term	English equivalent
1001	クラッチ	KURATTI	The mechanical element having functions of conducting transmission and interception of power between the driving side and driven side being located on a concentric axis.		clutch
1101	機械クラッチ	KIKAI KURATTI	The clutch which exhibits functions mainly by mechanical actuation.		mechanical clutch
1111	かみあいクラッチ	KAMIAI KURATTI	The clutch which performs engaging by mechanical interlocking.		positive clutch
1112	歯車クラッチ	HAGURUMA KURATTI	The positive clutch which performs engaging by an external gear and internal gear (see Attached Fig. 1).		gear clutch
1113	ツースククラッチ	TŪSU KURATTI	The positive clutch which performs engaging by multiple tooth parts located on confronting cylinder end faces (see Attached Fig. 2).	HAGATA KURATTI, HATUKI KURATTI	(multiple) tooth clutch
1114	ジョーククラッチ	ZYŌ KURATTI	The positive clutch which performs engaging by concave and convex parts of angled shape, radial shape or else locating at confronting cylinder end faces (see Attached Fig. 3).	DOGGU KURATTI	jaw clutch
1121	ワンウェイクラッチ	WAN-UEI KURATTI	The clutch which transmits power only in one direction.	OIKOSI KURATTI, HURĪ HOIRU KURATTI	one way clutch, over running clutch, free wheeling clutch
1131	摩擦クラッチ	MASATU KURATTI	The clutch which performs engaging by frictional force.		friction clutch
1132	ディスククラッチ	DISUKU KURATTI	The friction clutch of which engaging face is disc shape.		disc clutch

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				Idiomatic term	English equivalent
1133	ドラムクラッチ	DORAMU KURATTI	The friction clutch of which engaging face is cylindrical shape.		drum clutch
1134	円すいクラッチ	ENSUI KURATTI	The friction clutch of which engaging face is conical shape (Attached Fig. 4).		cone clutch
1141	遠心クラッチ	ENSIN KURATTI	The clutch which performs engaging by utilizing the centrifugal force (Attached Fig. 5).		centrifugal clutch
1201	電磁クラッチ	DENZI KURATTI	The clutch which exhibits functions mainly by electromagnetic actuation.		electromagnetic clutch
1311	油圧クラッチ	YUATU KURATTI	The clutch which exhibits functions mainly by oil hydraulic actuation.		hydraulic clutch, oil hydraulic clutch
1321	空気圧クラッチ	KŪKIATU KURATTI	The clutch which exhibits functions mainly by pneumatic actuation.	EĀ KURATTI	pneumatic clutch, air clutch
1331	真空クラッチ	SINKŪ KURATTI	The clutch which exhibits functions by the negative pressure of air.		vacuum clutch
1911	単板クラッチ	TANBAN KURATTI	The clutch of which friction face is single sheet.		single disc clutch
1912	多板クラッチ	TABAN KURATTI	The clutch of which friction faces are two sheets or more (see Attached Fig. 6).		multiple disc clutch (multi-disc clutch)
1913	複板クラッチ	HUKUBAN KURATTI	The clutch of which clutch plate is one sheet, and of which friction faces are two faces.		double face single-disc clutch
2001	ブレーキ	BUREKI	The mechanical element having functions to reduce and stop a moving body by the reciprocal action of the moving body and a stationary body, or to maintain at standstill conditions.		brake

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				Idiomatic term	English equivalent
2101	機械ブレーキ	KIKAI BUREKI	The brake which exhibits functions mainly by mechanical actuation.		mechanical brake
2121	摩擦ブレーキ	MASATU BUREKI	The brake which exhibits functions mainly by frictional force.		friction brake
2122	ディスクブレーキ	DISUKU BUREKI	The friction brake of which engaging face is circular disc shape (see Attached Fig. 7).		disc brake
2123	ドラムブレーキ	DORAMU BUREKI	The friction brake of which engaging face is cylindrical shape (see Attached Fig. 8).		drum brake
2124	円すいブレーキ	ENSUI BUREKI	The friction brake of which engaging face is conical shape.		cone brake
2127	バンドブレーキ	BANDO BUREKI	The drum brake which exhibits functions by winding brake band around the peripheral face of cylinder.	OBI BUREKI	band brake, strap brake
2201	電磁ブレーキ	DENZI BUREKI	The brake which exhibits functions by electro-magnetic actuation.		electromagnetic brake
2311	油圧ブレーキ	YUATU BUREKI	The brake which exhibits functions mainly by oil hydraulic actuation.		hydraulic brake, oil hydraulic brake
2321	空気圧ブレーキ	KŪKIATU BUREKI	The brake which exhibits functions mainly by pneumatic actuation.	EĀ BUREKI	pneumatic brake, air brake
2331	真空ブレーキ	SINKŪ BUREKI	The brake which exhibits functions by negative pressure of air.		vacuum brake
2911	単板ブレーキ	TANBAN BUREKI	The brake of which friction face is one sheet.		single disc brake