

JIS

JAPANESE INDUSTRIAL STANDARD

**Glossary of Terms
Relating to Conveyors
(Part 2 Conveyor
Parts and Accessories)**

JIS B 0141—1986

Translated and Published

by

Japanese Standards Association

Printed in Japan



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Glossary of Terms Relating to Conveyors
(Part 2 Conveyor Parts and Accessories)

B 0141-1986

1. Scope

This Japanese Industrial Standard specifies main terms, hereinafter referred to as the "terms", relating to conveyor parts and accessories.

Remark: The name of each kind of conveyor shall be in accordance with JIS B 0140.

2. Classification

The classification of terms shall be as follows:

- (1) Terms relating to bases
- (2) Terms relating to belt conveyor parts
- (3) Terms relating to chain conveyor parts
- (4) Terms relating to roller conveyor parts
- (5) Terms relating to screw conveyor parts
- (6) Terms relating to vibrating conveyor parts
- (7) Terms relating to fluid conveyor parts
- (8) Terms relating to air film conveyor parts
- (9) Terms relating to elevating conveyor parts
- (10) Terms relating to accessories

3. Terms and Meanings

The terms and meanings shall be as follows.

Further, for informative reference, corresponding English, idioms and figures are shown.

Remark: A part of term shown in parentheses "()" indicates that the term including the letters in parentheses and the term excluding the letters may be used.

Applicable standard:

JIS B 0140-Glossary of Terms Relating to Conveyors (Part 1 Kinds of Conveyors)

Corresponding International Standard:

ISO 2148-Continuous handling equipment-Nomenclature Bilingual edition

(1) Terms Relating to Bases

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
1100	駆動装置	KUDOU SOUCHI	Unit to drive conveyor.	drive unit	
1101	シングルの駆動	SHINGURU KUDOU	Drive by one set of drive parts (Fig. 1101).	single drive	
1102	タンデム駆動	TANDEMU KUDOU	Drive by two sets of mechanically connected drive parts (Fig. 1102).	tandem drive	
1103	デュアル駆動	DYUARU KUDOU	Drive by two sets of independent drive units (Fig. 1103).	dual drive, twin drive	DABURU KUDOU
1104	ツーマータ駆動	TSŪ MŌTĀ KUDOU	Drive by one set of driving unit having two electric motors (Fig. 1104).	two motors drive	
1105	マルチプル駆動	MARUCHIPURU KUDOU	Drive by multiple independent drive unit.	multiple drive	TAGEN KUDOU, TAJŪ KUDOU
1106	スプロケット駆動	SUPUROKETTO KUDOU	Drive by sprockets of conveyor chain (Fig. 1106).	sprocket drive	
1107	キャタピラ駆動	KYATAPIRA KUDOU	Drive by endless chain with dogs (teeth) of conveyor chain (Fig. 1107).	caterpillar drive	
1108	フローティング駆動	FURŌTYINGU KUDOU	Drive by drive unit which is so made as to move by change of tension of conveyor chain.	floating drive	
1109	サージョホイール駆動	SĀJI HOĪRU KUDOU	Drive to be carried out by winding endless rope to drive wheel of circular conical shape (Fig. 1109).	surge wheel drive	

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
1110	シュチェーン駆動	SHŪ CHĒN KUDOU	Drive to be carried out by winding endless rope to the drive wheel which is wound with endless chain (Fig. 1110).	shoe chain drive	
1200	テークアップ装置	TĒKU APPU SOUCHI	A unit to give tension the belt, chain, etc.	take-up unit, tension unit	KINCHŌ SOUCHI
1201	カウンタウェイトテークアップ	KAUNTA UEITO TĒKU APPU	Take-up by weight (Fig. 1201).	counter weighted take-up, gravity take-up	OMORISHIKI TĒKU APPU, JŪSUIISHIKI TĒKU APPU
1202	スクリュ-テークアップ	SUKURYŪ TĒKU APPU	Take-up by screw (Fig. 1202).	screw take-up	NEJISHIKI TĒKU APPU
1203	スプリングテークアップ	SUPURINGU TĒKU APPU	Take-up by spring.	spring take-up	BANESHIKI TĒKU APPU
1204	パワーテークアップ	PAWĀ TĒKU APPU	Take-up by power.	power take-up	KINCHŌ SOUCHI
1300	逆転防止装置	GYAKUTEN BŌSHI SOUCHI	Unit to prevent reversing of conveyor.	backstop, hold back	
1301	ラチェットホイール逆転防止	RACHETTO HOĪRU GYAKUTEN BŌSHI	Backstop to be carried out by engaging of ratchet wheel with ratchet (Fig. 1301).	ratchet wheel backstop	

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
1302	フリーホイール逆転防止	FURĪ HOĪRU GYAKUTEN BŌSHI	Backstop to be carried out by wedge action between the ratchet wheel and the roller or by that between the wheel and the cam (Fig. 1302).	free wheel backstop	RŌRA SHIKI GYAKUTEN BŌSHI, KŌSUTA BUREKI KAMU KURATCHI
1303	バンドブレーキ逆転防止	BANDO BUREKI GYAKUTEN BŌSHI	Backstop to be carried out by band brake.	band brake backstop	

(2) Terms Relating to Belt Conveyor Parts

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
2100	コンベヤベルト	KOMBEYA BERUTO	A belt to transport the load.	conveyor belt	BERUTO
2101	ゴムベルト	GOMU BERUTO	A conveyor belt wrapped by rubber on its periphery.	rubber conveyor belt	
2102	スチールベルト	SUCHĪRU BERUTO	A conveyor belt made of steel strip in coil.	steel band belt	
2103	織物ベルト	ORIMONO BERUTO	A conveyor belt of fabrics woven in thickness.	solid woven conveyor belt	
2104	金網ベルト	KANA-AMI BERUTO	A conveyor belt made of wire and thin steel sheets.	wire mesh conveyor belt	

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
2105	ケーブル (コンベヤ) ベルト	KĒURU (KOM- BEYA) BERUTO	A conveyor belt having grooves to be fit with cable at both edges and embedded in lateral direction with steel rods (Fig. 2105).	steel cable conveyor belt	
2106	スチールコード (コンベヤ) ベルト	SUCHĪRU KŌDO (KOMBEYA) BERUTO	A conveyor used of steel cords as core body.	steel cord conveyor belt	
2200	ベルトコンベヤローラ	BERUTO KOMBEYA RŌRA	Rollers to be used for belt conveyor.	belt conveyor roller, belt con- veyor idler	KOMBEYA AIDORA
2201	キャリヤローラ	KYARIYA RŌRA	Rollers to support belt on the side of carrying the load.	carrying roller, carrying idler	KYARIYA AIDORA
2202	リターンローラ	RITĀN RŌRA	Rollers to support belt at the returning side.	return roller, return idler	RITĀN AIDORA
2203	トラフローラ	TORAFU RŌRA	Rollers to support belt in trough shape (Fig. 2203).	troughed roller, troughed idler	TORAFU AIDORA
2204	トランジションローラ	TORANJISHON RŌRA	Rollers capable of changing trough angle (Fig. 2204).	transition roller, transition idler	TORANJISHON AIDORA

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
2205	フラットローラ	FURATTO RŌRA	Rollers to support belt in flat state (Fig. 2205).	flat roller, flat idler	FURATTO AIDORA
2206	インパクトローラ	IMPAKUTO RŌRA	Rollers to relax the impact of load (Fig. 2206).	impact belt roller, cushion roller, impact belt idler	IMPAKUTO AIDORA
2207	調心ローラ	CHŌSHIN RŌRA	Rollers to regulate the bias of belt (Fig. 2207).	belt training roller, belt training idler	JIDŌ CHŌSHIN RŌRA, CHŌSHIN AIDORA
2208	ガイドローラ	GAIDO RŌRA	Rollers to regulate the bias of belt and direction of load (Fig. 2208).	guide roller, guide idler	AN-NAI RŌRA
2209	ディスクローラ	DYISUKU RŌRA	A roller fitted with several discs (Fig. 2209).	disc roller, disc idler	
2210	スパイラルローラ	SUPAIRARU RŌRA	A roller of which surface is made into a spiral shape (Fig. 2210).	spiral roller, spiral idler	
2211	サスペンショントラ ローラ	SASUPENSHON TORAFU RŌRA	Rollers to support belt in trough state by connecting several rollers by rings (Fig. 2211).	suspension troughed roller, hammock belt roller	HANMOKKU RŌRA, SASUPENSHON TORAFU AIDORA, GARANDO RŌRA

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
2212	ゴムラキングドラ	GOMU RAGINGU RORA	A roller lined with rubber on its surface.	rubber lagged roller, rubber lagged idler	
2300	(コンベヤ) プーリ	(KOMBEYA) PURI	A pulley of circular cylindrical shape to hang the conveyor belt (Fig. 2300).	conveyor pulley	BERUTO GURUMA
2301	ドライブプーリ	DORAIBU PURI	A pulley to drive conveyor belt.	drive pulley	KUDOU BERUTO GURUMA
2302	ヘッドプーリ	HEDDO PURI	A pulley at head part of conveyor.	head pulley	TOUBU BERUTO GURUMA
2303	テールプーリ	TERU PURI	A pulley at tail part of conveyor.	tail pulley	BIBU BERUTO GURUMA
2304	テークアッププーリ	TEKU APPU PURI	A pulley to give tension the belt.	take-up pulley	
2305	スナブプーリ	SUNABU PURI	A pulley to increase winding angle of belt.	snub pulley	
2306	ベンドプーリ	BENDO PURI	A pulley to change the advancing direction of belt.	bend pulley	
2307	ラキングプーリ	RAGINGU PURI	A pulley lined with wood, rubber, etc. on its surface (Fig. 2307).	lagged pulley	
2308	クラウンプーリ	KURAUN PURI	A pulley of which surface is made into convex.	crowned pulley	NAKADAKA PURI

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
2309	ウイングプーリ	UINGU PŪRI	A pulley attached with several sheets of vanes on the circular periphery of opposed circular conical drums (Fig. 2309).	winged pulley	
2310	かご形プーリ	KAGO GATA PŪRI	A pulley attached with round bars at equal intervals on the circular periphery of several sheets of round plates (Fig. 2310).	cage pulley	
2311	モータプーリ	MŌTA PŪRI	A pulley built-in with an electric motor and a reduction gear (Fig. 2311).	motorized pulley	
2312	マグネットプーリ	MAGUNETTO PŪRI	A pulley fitted-in with several magnets.	magnetic pulley	

(3) Terms Relating to Chain Conveyor Parts

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
3100	コンベヤチェーン	KOMBEYA CHĒN	Chain to transport the load.	conveyor chain	
3101	ショートリンクチェーン	SHŌTO RINKU CHĒN	A chain consists of links of ring shape (Fig. 3101).	short link chain, coil chain	
3102	デタッチャブルチェーン	DETATCHABURU CHĒN	A chain consisting of only trapezoidal links (Fig. 3102).	detachable chain	

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
3103	ピントルチェーン	PINTORU CHĒN	A chain consisting of integral offset links and pins (Fig. 3103).	pinle chain	
3104	ブッシュ入りチェーン	BUSHU IRI CHĒN	A chain fitted-in inner links with bushes (Fig. 3104).	bushed chain	
3105	ローラチェーン	RŌRA CHĒN	A chain fitted-in with bushes having rollers at connecting parts of links (Fig. 3105).	roller chain	
3106	ユニバーサルチェーン	YUNIBĀSARU CHĒN	A chain so made that it is able to bend up and down, and in right and left.	universal chain	
3107	リベットレスチェーン	RIBETTORESU CHĒN	A chain of which inner links and outer links are connected by pins without caulking (Fig. 3107).	revetless chain, dropforged chain	
3108	コンビネーションチェーン	KOMBINĒSHON CHĒN	A chain of which inner links made of castings and outer links made of steel plate are combined alternatively (Fig. 3108).	combination chain	
3109	バールリンクチェーン	BĀ RINKU CHĒN	A chain of which one or two inner links are connected with outer link by pins.	bar link chain	BUROKKU CHĒN
3110	サイドローラ付チェーン	SAIDO RŌRA TSUKI CHĒN	A chain attached with wheels at both sides of connecting part of roller chain in order to bear the load (Fig. 3110).	side roller chain	
3200	スプロケット	SUPUROKETTO	A wheel attached with teeth to hang chain (Fig. 3200).	sprocket, chain wheel	

10
B 0141-1986

No.	Term (Japanese character)	Reading	Definition	Informative reference	
				English equivalent	Idiom
3201	ドライブ sproケット	DORAIBU SUPU- ROKETTO	A sprocket to drive the conveyor chain.	drive sprocket	
3202	ヘッド sproケット	HEDDO SUPU- ROKETTO	A sprocket provided at head of conveyor.	head sprocket	
3203	テール sproケット	TĒRU SUPU- ROKETTO	A sprocket provided at tail part of conveyor.	tail sprocket	
3204	テークアップ sproケット	TĒKU APPU SUPUROKETTO	A sprocket to give tensile force the chain.	take-up sprocket, tension sprocket	
3205	コーナ sproケット	KŌNA SUPU- ROKETTO	A sprocket provided at bend part of conveyor.	corner sprocket	
3206	シヤピン付 sproケット	SHIYA PIN TSUKI SUPUROKETTO	A sprocket provided with shear pin to protect the conveyor from overload (Fig. 3206).	shear pin sprocket	
3207	トラクションホイール	TORAKUSHON HOĪRU	A wheel having no tooth to hang chain.	traction wheel	
3300	チェーンアタッチメント	CHĒN ATATCHI- MENTO	A part attached with the conveyor chain to transport the load (Fig. 3300).	chain attachment	
3301	クロスバー	KUROSU BĀ	Bars attached between two streaks of chains to hang load (Fig. 3301).	cross bar	
3302	スラット	SURATTO	A long, thin and narrow plate attached to chains to lade the load (Fig. 3302).	slat	