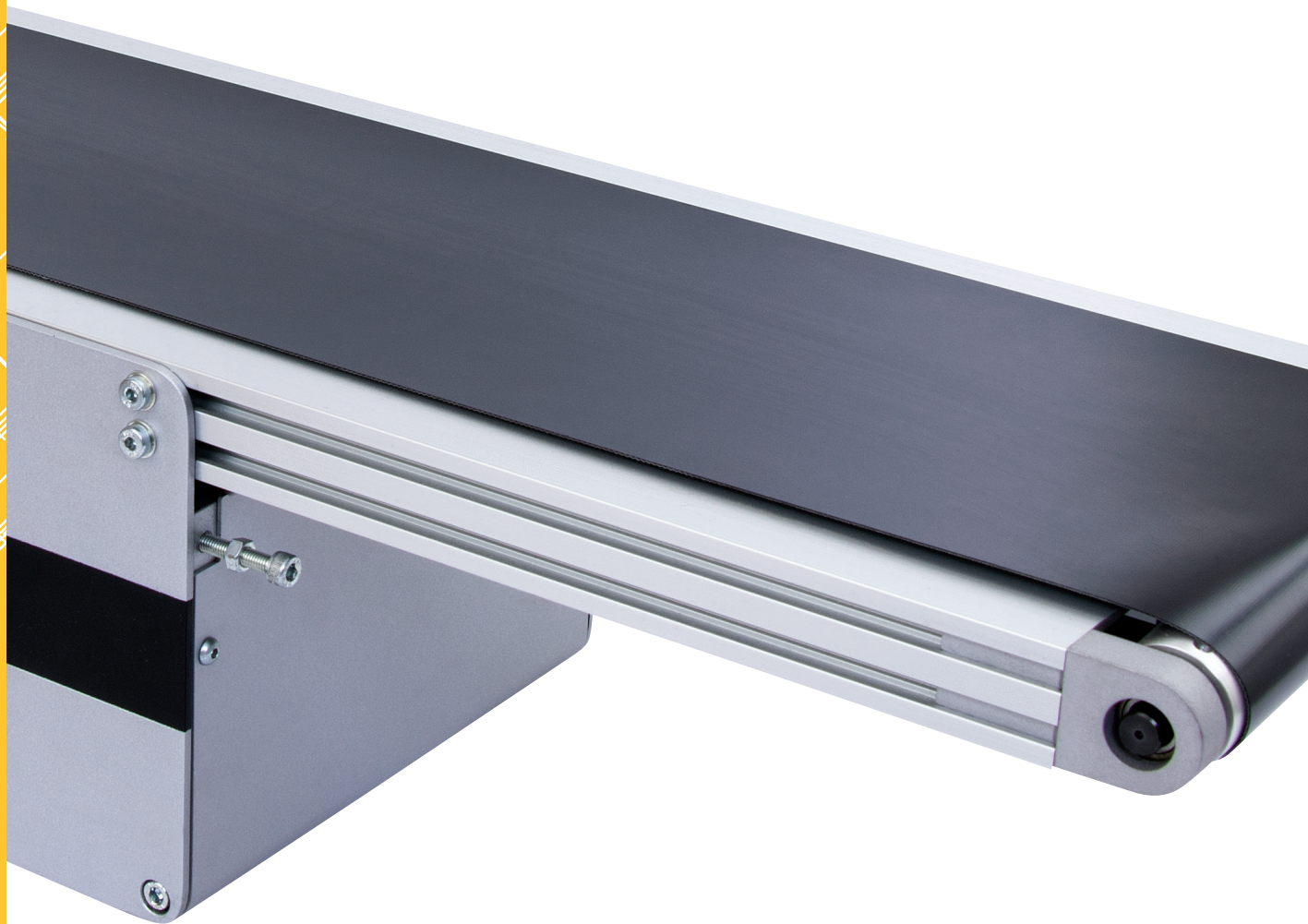
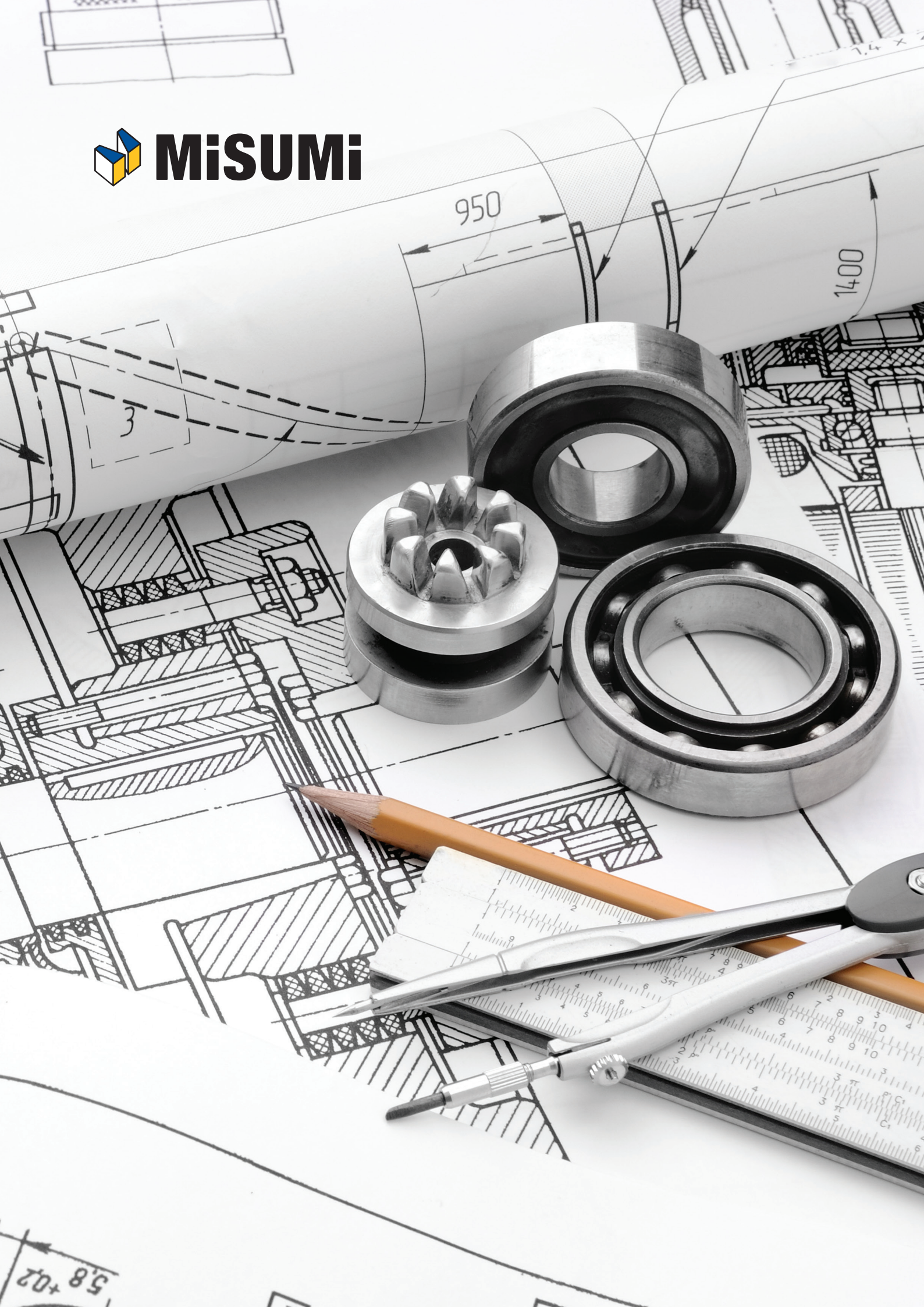


# **CONVEYORS**

**1ST EDITION**











## WHY MISUMI?

Our mission is to provide innovative configurable products that fulfill our customers' needs for high quality, competitive prices and short delivery times. MISUMI currently serves over 150,000 customers worldwide. MISUMI's products can be utilized in a diverse range of industries including automotive, medical, semiconductor, packaging and 3D Printing.

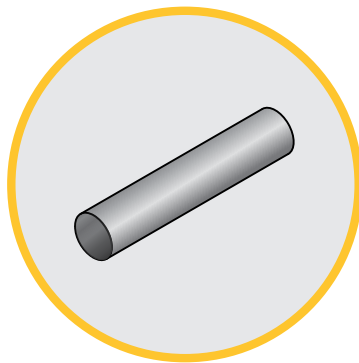




## Configurable ordering made easy.

### Only MISUMI offers a completely configurable choice.

Configuring your MISUMI components to your exact specifications is easy with our 3D CAD downloads, free engineering support, and over 9 million configurable components.

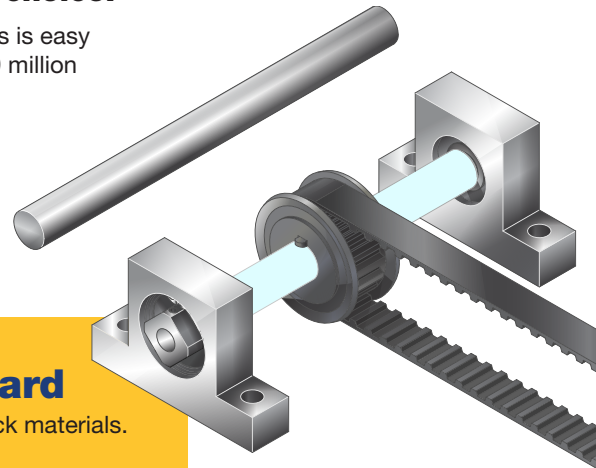


1

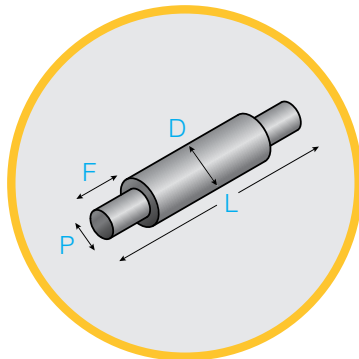
Select Part  
Select Material

### Standard

Off the shelf, stock materials.



vs.



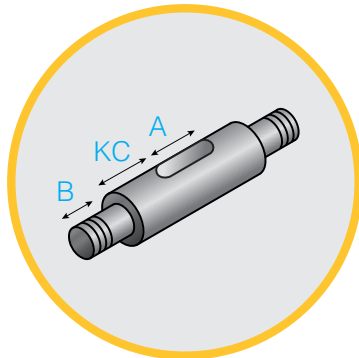
2

Configure Size  
(Diameter,  
Length, etc.)

### Configurable

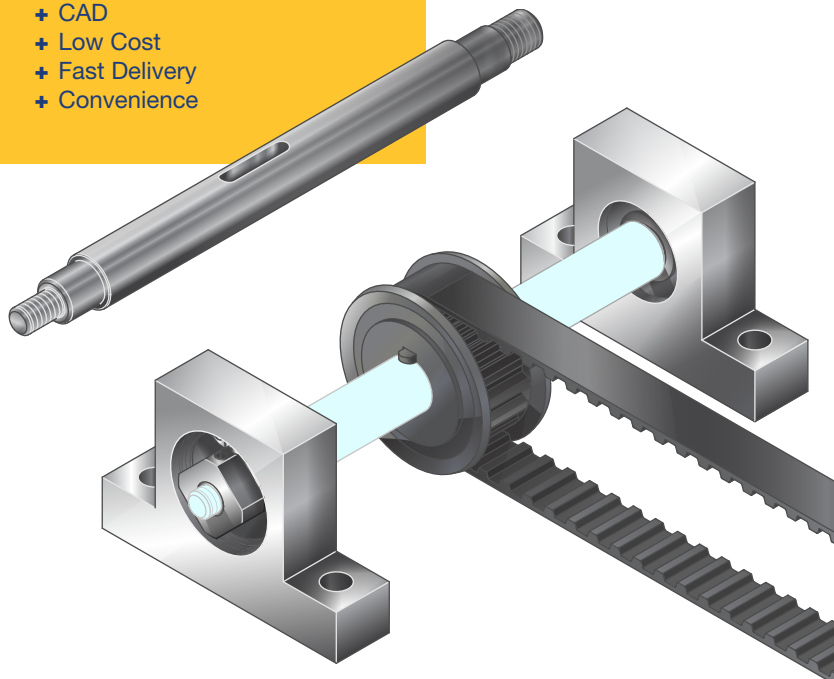
Only MISUMI offers:

- + Flexibility
- + Unlimited Selection
- + Uncompromised Design
- + Smart Universal Part Number
- + CAD
- + Low Cost
- + Fast Delivery
- + Convenience

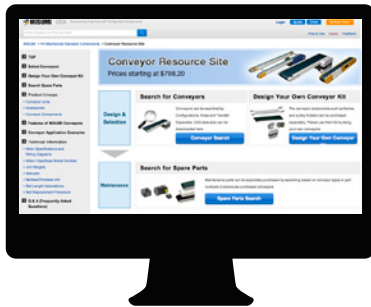


3

Add Features  
& Refine







## Selection

Narrowing the selection by specifying the requirements of the conveyor

## Designing

2D / 3D CAD data download

## Maintenance

Maintenance parts search and purchase from the purchase information and Model



I'm looking for a flat belt conveyor with a width of 250 mm and a length of 1000 mm.  
I want to build from the specifications and don't know what model to use.

## Conveyor selection

The selection of products that meet the conditions from Misumi whole lineup

### ① Basic specification selection

Select a spec. to display applicable conveyors. > Clear search criteria

Conveyor Type

Flat Belt Timing Belt Plastic Chain

Drive module position

End Drive Center Drive Built-in motor

• Conveyor Type

• Drive Location

### ② Model selection

	TYPE	Belt Width (mm)	Distance Between Pulleys (mm)	Motor output (W)	Pulley Dia. (mm)	Roller edge diameter	Frame Number of slots	Guided Belt	CAD
	> SVKA	50-250	300-3000	6 / 25	30	—	2	Not Provided	> 2D > 3D
	Low cost type, width specifiable in 50mm increments.								
	> SVKB	50-250	300-3000	6 / 25	30	—	2	Provided	> 2D > 3D
	Low cost type, width specifiable in 50mm increments.								
	> CVGA	30-500	190-2000	6 / 25	30	—	2	Not Provided	> 2D > 3D
	Width specifiable in 1mm increments type.								

• Model Selection

### ③ Detailed specifications confirmed

Conveyance surface

Flat Belt Timing Belt Plastic Chain

Drive module position

End Drive Center Drive Built-in motor

Specification

Belt Width: 30-300 (1mm increments) / 300-500 (100mm increments)  mm

Distance Between Pulleys: 190-3000 (5mm increments)  mm

Pulley Dia.:

Motor

Motor manufacturer:

Motor specifications:

Motor output:

Motor voltage:

Belt

Belt specifications:

Guided Belt (Flat Belt Only): ☐ Provided ☒ Not Provided

Conveyance capacity

Select gear ratio or conveyed weight, speed.

Select from reduction ratio ☒ Gearhead Reduction Ratio

• Width / Length

• Motor

• Belt




## ④ Result Display

### • Model generation and ordering easy

Selected specification

Return to Main Selection

SVKA Flat Belt Conveyor SV Series, End Drive, 2-Slot Frame (Pulley Dia. 30mm)



[Basic Specifications]

Conveyance surface: Flat Belt

Distance Between Pulleys: 1000mm

Motor specifications: Variable speed motor

Belt specifications: General Purpose (Green)

Drive module position: End Drive

Pulley Dia.: Ø30mm

Motor output: 25W

Guided Belt: Not Provided

Belt width (Belt pitch): 250mm

Motor manufacturer: Panasonic

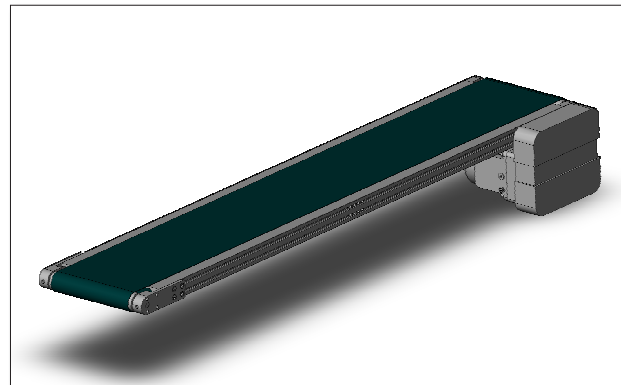
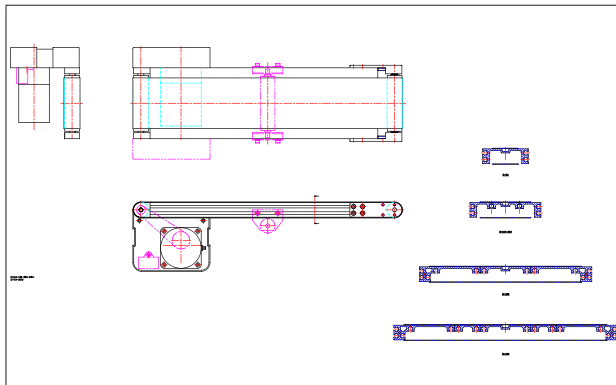
Motor voltage: Single phase 100V (International Spec.)

Gearhead Reduction Ratio: 100

Conveyor Type: SVKA-250-1000-25-TA100-SCM-100-H-A

[Add to Cart](#)
[Save to My Components](#)

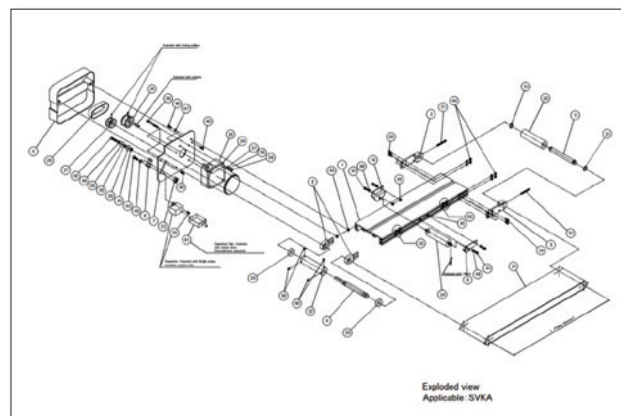
### • CAD data can be downloaded



### • Maintenance parts list and Exploded view

Download exploded view of components which are used in the conveyor

Components List						
Number	Part name	Model number	Quantity	Purchase quantity	CAD	Select
1	Alum. frame for conveyors	HFSDCV-28250-949	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
2	Pulley holder for conveyors (Bearing type)	PLHDB-FE	2	2	(x.2D) (x.3D)	<input type="checkbox"/>
3	Pulley holder for conveyors (Tension type)	PLHDT-FE	2	2	(x.2D) (x.3D)	<input type="checkbox"/>
4	Drive shaft 2 step, 1 step type	KZDE12-321.5-P10-L412-LB12.5-G8-LC31-WC0-GC30.5-A80-WB9-GE13-A090	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
5	Rotary shaft, both ends stepped	SFR012-265.3-PPCS35-P8-TPCS35-G8-KWCS35-TA2.65-TB2.65-WC6.8	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
6	Motor cover for conveyors	MOCV-S152-135	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
7	Motor mount plate for conveyors	MOEP-S480-145	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
8	Timing belt tensioner	MTWHS-SV-60	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
21	Flat belt	HBLT250-2.09	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
22	Pulley for flat belt	ROBAVC30-12-L260-H0.5	1	1	(x.2D) (x.3D)	<input type="checkbox"/>
23	Idler for flat belt	ROFAIT30-12-L260-H0.5	1	1	(x.2D) (x.3D)	<input type="checkbox"/>





## Search Spare Parts

### ① Search

- Search by part number

### Search by Part Number

Example: CVSA-40-700-6-T100-IM-36-H-F300-A

### ② Show results

**Conveyor model : CVGN-100-1600-25-T100-SCM-30-J-B**

Exploded view  
Applicable: CVGN

DWG. No.: Exploded view CVGN-02

Number	Part name	Model number	Quantity	Purchase quantity	CAD	Select
1	Alum. frame for conveyors	HFSDCV-2825-1538-NG-JG	2	<input type="text" value="2"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
3	Joint plate for conveyors	CVJP-S-120	2	<input type="text" value="2"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
4	Frame bracket for conveyors	FRBT-A	4	<input type="text" value="4"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
5	Pulley holder for conveyors (Bearing type)	PLHDB-FF-R	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
6	Pulley holder for conveyors (Bearing type)	PLHDB-FF-L	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
7	Pulley holder for conveyors (Tension type)	PLHDT-FJ-R	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
8	Pulley holder for conveyors (Tension type)	PLHDT-FJ-L	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
9	Belt support cover L for conveyors	CVBCL-118-1562	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
10	Rotary shaft, both ends stepped	SFRQ12-120-F6-P10-T6-Q10-WFCO-J13-WO-V13-KFCO-G13-AG90	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
11	Side plate D for conveyors	MSCP07-R-80	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
12	Side plate D for conveyors	MSCP07-L	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
13	Rotary shaft w/retaining ring and groove	SFRGA12-138.4-P112.3-KWC11.7-WC8.6	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
14	Rotary shaft w/retaining ring and groove	SFRGA12-138.4-P112.3-KWD5.7-WD10	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>
15	Rotary shaft, both ends stepped	SFRQ15-102.2-F14.0-P12-T22.2-Q12-KWD5.7-WD9.9	1	<input type="text" value="1"/>	<a href="#">2D</a> <a href="#">3D</a>	<input type="checkbox"/>

[Back](#) [Added to Cart](#)

Find parts for the conveyor

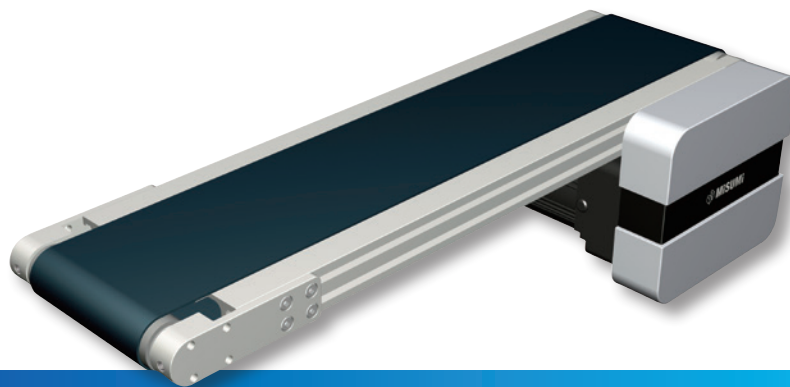
Identify required parts and order directly

# Examples

## [Case 1]

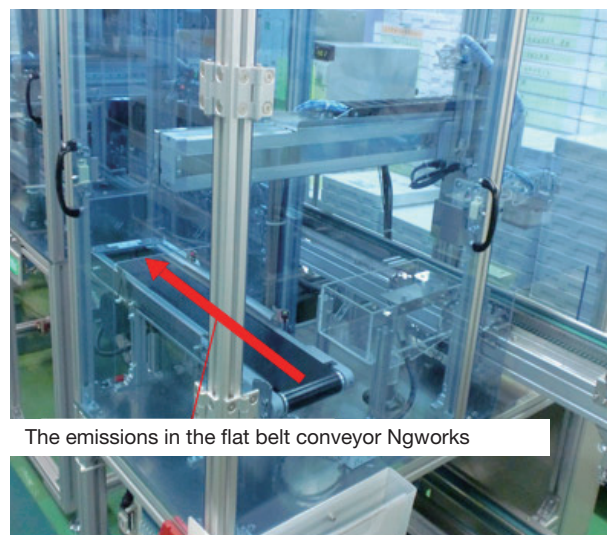
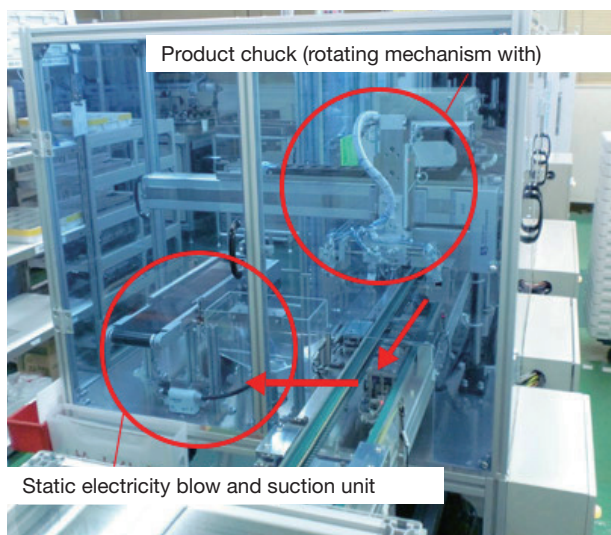
### Electrical parts supplier

Location : Ibaraki prefecture  
Main business : Manufacturing and supplying  
electrical auto parts  
Intended use : Transporting products  
after inspection



### ■ Conveyor type: SV Series HEAD DRIVE - Selectable Width Ø30 - SVKA

Post page ► P.22

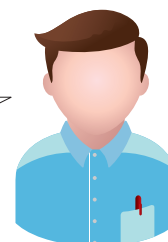


## «Rejects from inspection process»

After the welding and inspection processes, products are loaded onto jigs and transported on a twin-belt conveyor. Rejects are diverted onto a flat-belt conveyor by a robot and sent to the reject bin.

### Testimonial

We were looking for a low-cost conveyor and the Misumi conveyor was the cheapest.  
We were happy that the price and delivery time were clearly indicated.

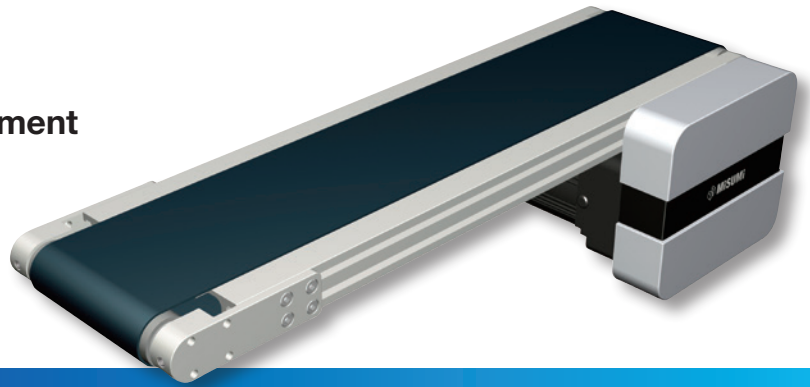




## [Case 2]

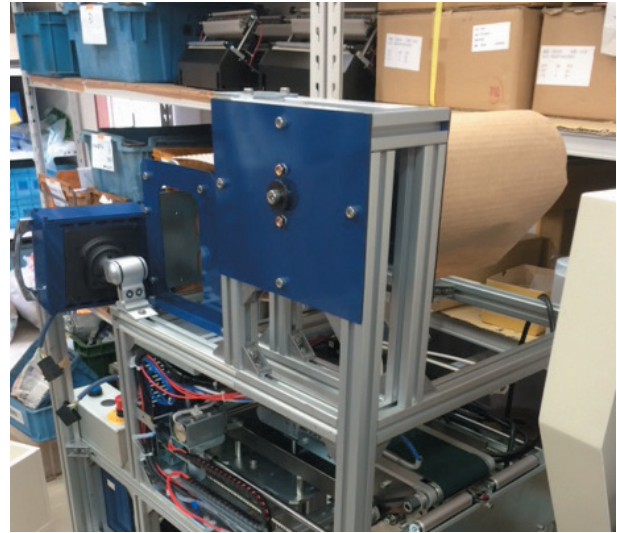
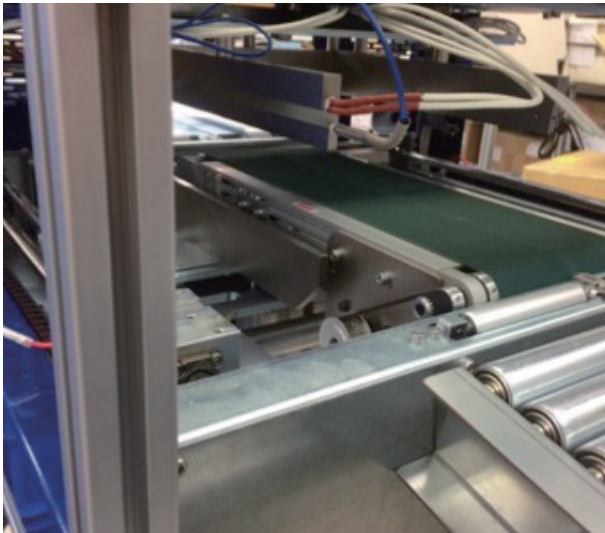
### Manufacturer of packaging equipment

Location : Saitama prefecture  
Main business : Designing and supplying automated packaging lines  
Intended use : Transportation between processes on automated packaging line



■ Conveyor type: SV Series HEAD DRIVE - Selectable Width Ø30 - SVKB

Post page ► P.22



## «Transporting products on packaging line»

Used to carry books and magazines on an automated wrapping lines. Products are loaded onto the conveyor at one end for processing and wrapping, then are delivered at the other end.

### Testimonial

We wanted a 100 x 330 mm conveyor and only Misumi could offer these dimensions.

The price and delivery times were made clear to us from the outset. We also had access to the CAD data.



The conveyor has side frames to keep the products properly aligned over the short conveyor distance while also preventing transverse load.

Available in a choice of seven different widths and custom length to the nearest 5 mm.

# Examples

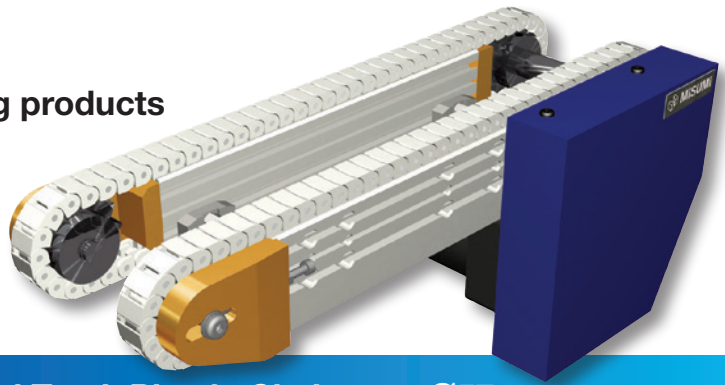
## [Case 3]

### Manufacturer of medical and nursing products

Location : Chiba prefecture

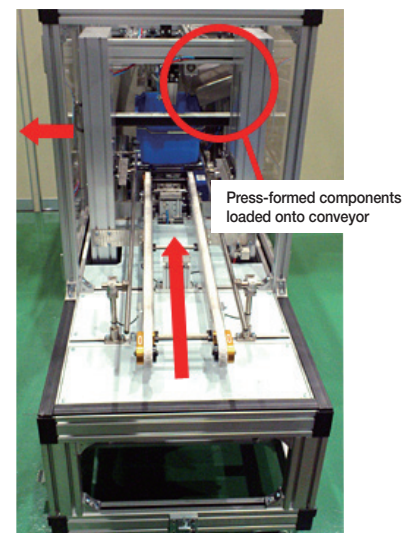
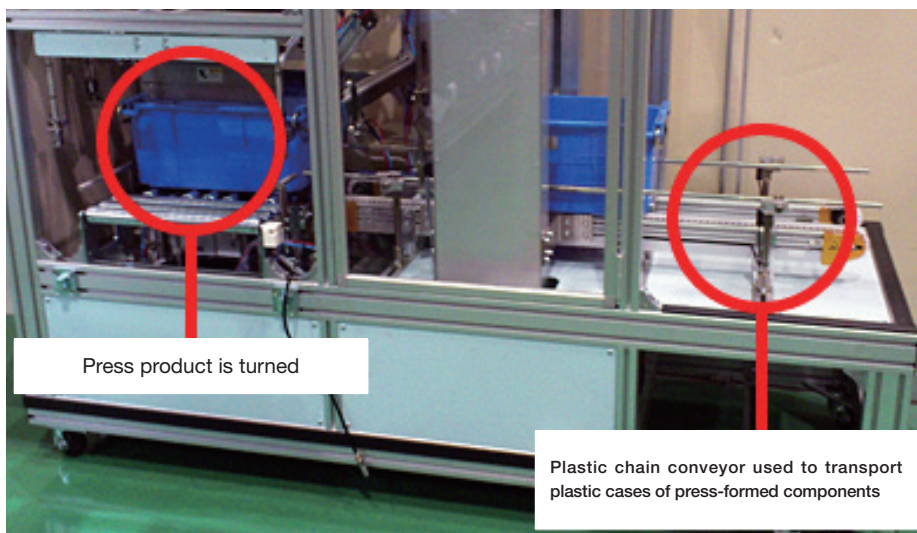
Main business : Manufacturing and supplying beds and fittings for hospitals and nursing homes

Intended use : Transporting cases of press-formed components



### ■ Conveyor type: HEAD DRIVE - Dual Track Plastic Chain type Ø57 - CVSPA

Post page ► P.72



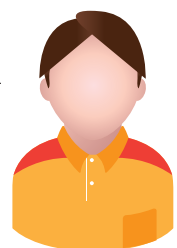
## «Transporting press-formed components»

A plastic chain conveyor is used to transport plastic cases to the loading dock. Cases are filled with the required quantity of components then taken to the next process.

### Testimonial

We compared several brands but Misumi was the least expensive.

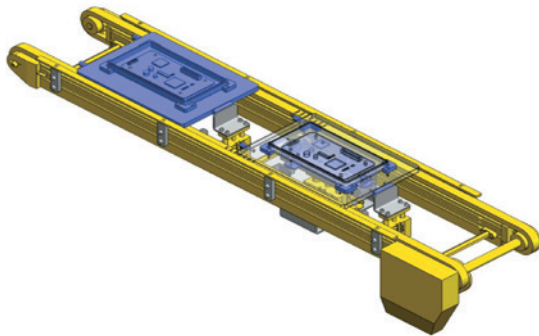
We chose the twin-row configuration so we could have an air cylinder between the plastic chains.



The CVSPA is a plastic chain twin-row conveyor suitable for accumulator transportation. Chain links can be replaced individually as required, making it less expensive and easier to maintain.

## [Other examples]

### Positioning in palette transportation and stopper structures

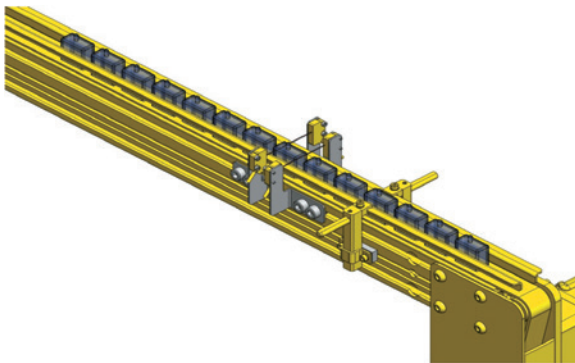


#### (Model) CVSPA

Cylinders located under the conveyor surface enables twin-row configuration

Palettes are stopped at the designated position for processing by other units

### Post-process work inspection

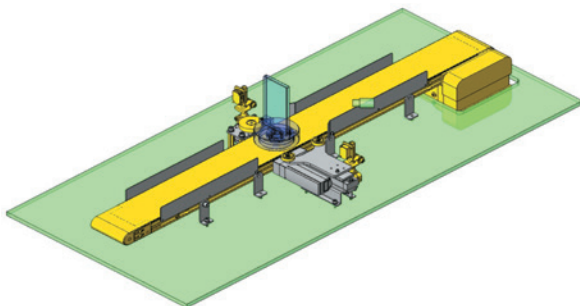


#### (Model) CVSTC

The work is narrow and this requires a compact conveyor design to keep wasted space to a minimum

Processes such as pin detection are performed during conveyor transportation

### Positioning and rotation exterior inspection



#### (Model) CVSFA

Exterior inspection of plastic cases

Full belt type allows finishing to minimum width relative to work diameter

Misumi Application Library for mechanical engineers



# inCAD Library

<https://us.misumi-ec.com/us/incadlibrary/>



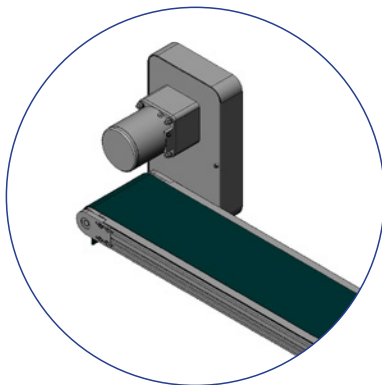


Has this ever happened in your organization?

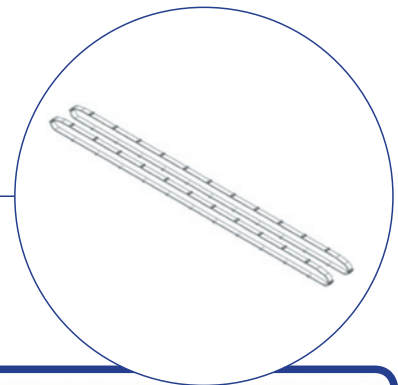
## MISUMI has a range of conveyor systems designed for intensive-use applications.

- The catalog product does not quite meet our requirements and will require modification.
  - We either make our conveyors in-house or have them made up. They always have the same basic specifications; only the length and width differ.
  - We have no confidence in when the conveyor we ordered is going to arrive.
  - The prices are too high, and they seem to be different every time.
- **MISUMI also stocks parts, which means they can deliver semi orders quickly and at minimal cost.**
  - **Key components are also listed in the main catalog, which simplifies maintenance and ordering procedures.**
  - **Eliminate working drawings to reduce design costs; CAD data also available.**

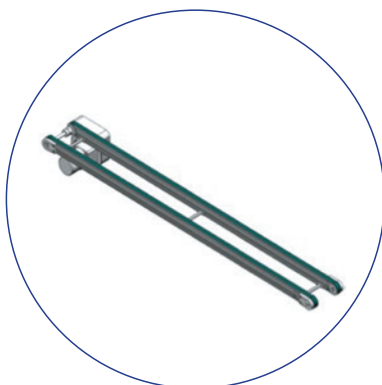
- Does anyone offer a timing belt conveyor with attachments?



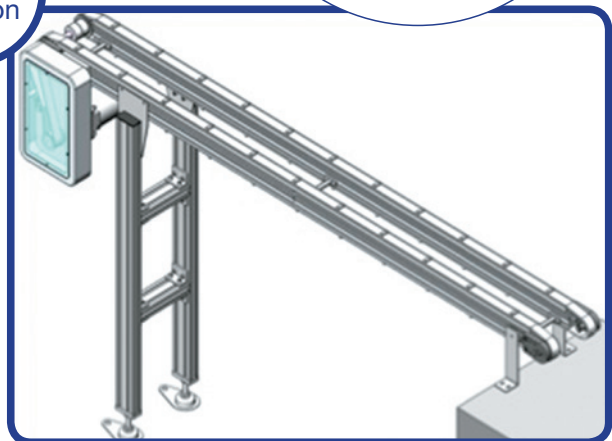
Conveyor drive  
CVDSA



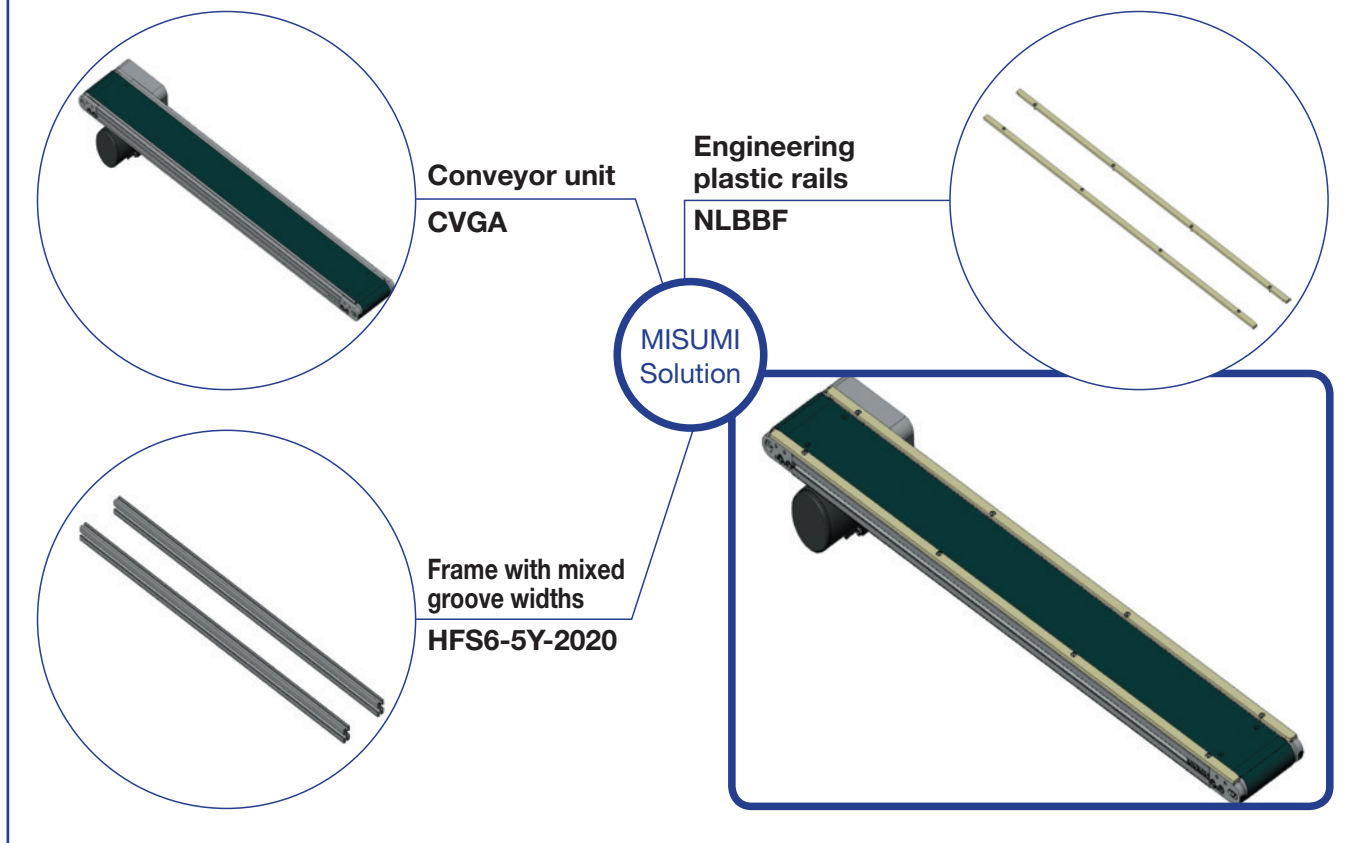
Attachment belt  
ATBT



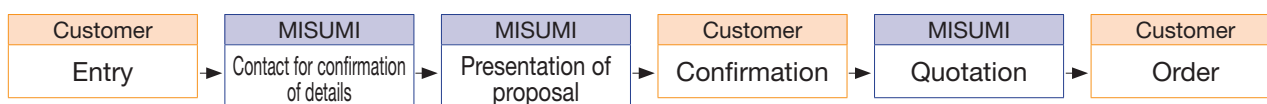
Conveyor body  
CVGTA



- Does anyone offer a flat belt conveyor on a standard aluminum frame?



**Contact us now!** We will discuss your needs and offer a solution that is sure to please.



ⓘ Please note that we may not be able to fulfill your order depending on specifications and quantity.

■ Required information

Customer details

Conveyor drawings

Dimensions

Motor drive type

■ Contact details [engineering@misumiusa.com](mailto:engineering@misumiusa.com)

## New products and services needed

Does Misumi have the conveyor that you normally use that you can't choose?  
We welcome new product ideas with potential for volume production and/or general usage!

■ Contact details [engineering@misumiusa.com](mailto:engineering@misumiusa.com)

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- The Privacy Policy of the Misumi Group can be viewed at : <https://us.misumi-ec.com/contents/privacy/>

# Trading Overseas

## ■ Please remember MISUMI is available around the world

SVKA-250-1000-25-T100-SCM-100-H-A



### Mutual Parts number

MISUMI is providing the same Parts Number in different countries\*\*



### Quick Delivery

MISUMI will ship from 1 day for stocked parts



### Shipping from 1 piece

You can order from 1 piece

\*\* In some cases there are unavailable products due to import/export regulations

## ■ New customer registration

- ① Please fill out MISUMI customer registration form and e-mail to your local MISUMI
- ② The form and details can be found on each countries web site

Japan	<a href="http://jp.misumi-ec.com/contents/regist/">http://jp.misumi-ec.com/contents/regist/</a>
USA	<a href="http://us.misumi-ec.com/contents/regist/">http://us.misumi-ec.com/contents/regist/</a>
Europe	<a href="http://de.misumi-ec.com/contents/guide/contents/first/02.html">http://de.misumi-ec.com/contents/guide/contents/first/02.html</a>
China	<a href="http://cn.misumi-ec.com/contents/guide/category/first/register.html?utm_medium=banner&amp;utm_source=banner&amp;utm_campaign=all&amp;utm_term=regi_top_0015">http://cn.misumi-ec.com/contents/guide/category/first/register.html?utm_medium=banner&amp;utm_source=banner&amp;utm_campaign=all&amp;utm_term=regi_top_0015</a>
Korea	<a href="https://www.misumi.co.kr/register/">https://www.misumi.co.kr/register/</a>
Taiwan	<a href="http://tw.misumi-ec.com/contents/open/">http://tw.misumi-ec.com/contents/open/</a>
Thailand	<a href="http://th.misumi-ec.com/contents/open/">http://th.misumi-ec.com/contents/open/</a>
South East Asia	<a href="http://sg.misumi-ec.com/openanaccount.html">http://sg.misumi-ec.com/openanaccount.html</a>
Malaysia	<a href="http://my.misumi-ec.com/openanaccount.html">http://my.misumi-ec.com/openanaccount.html</a>
India	<a href="http://in.misumi-ec.com/contents/register/">http://in.misumi-ec.com/contents/register/</a>
Indonesia	<a href="http://id.misumi-ec.com/web_inquiry.html">http://id.misumi-ec.com/web_inquiry.html</a>

## ■ Parts numbers

- ① The applicable Parts numbers can be checked on MISUMI e-catalogue

[www.misumiusa.com](http://www.misumiusa.com)



### MISUMI Worldwide

Our global offices



Select Your Country/Region

The Americas	Europe/Africa	East Asia	South East Asia	South Asia	
USA	Czech Republic	China	Indonesia	India	Other countries
	France	Japan	Malaysia		
	Germany	Korea	Philippines		
	Italy	Taiwan	Singapore		
	UK		Thailand		
	Other countries		Vietnam		
			Other countries		

[www.misumiusa.com](http://www.misumiusa.com)



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- ② Area /Language

Area	Language
Japan	Japanese
Americas	English
Europe	English/Germany/ Italian/French/Czech
China	Simplified Chinese
Korea	Korean
Taiwan	Traditional Chinese
Thailand	English(Partly Thai)
South East Asia	English
Malaysia	English
India	English
Indonesia	English



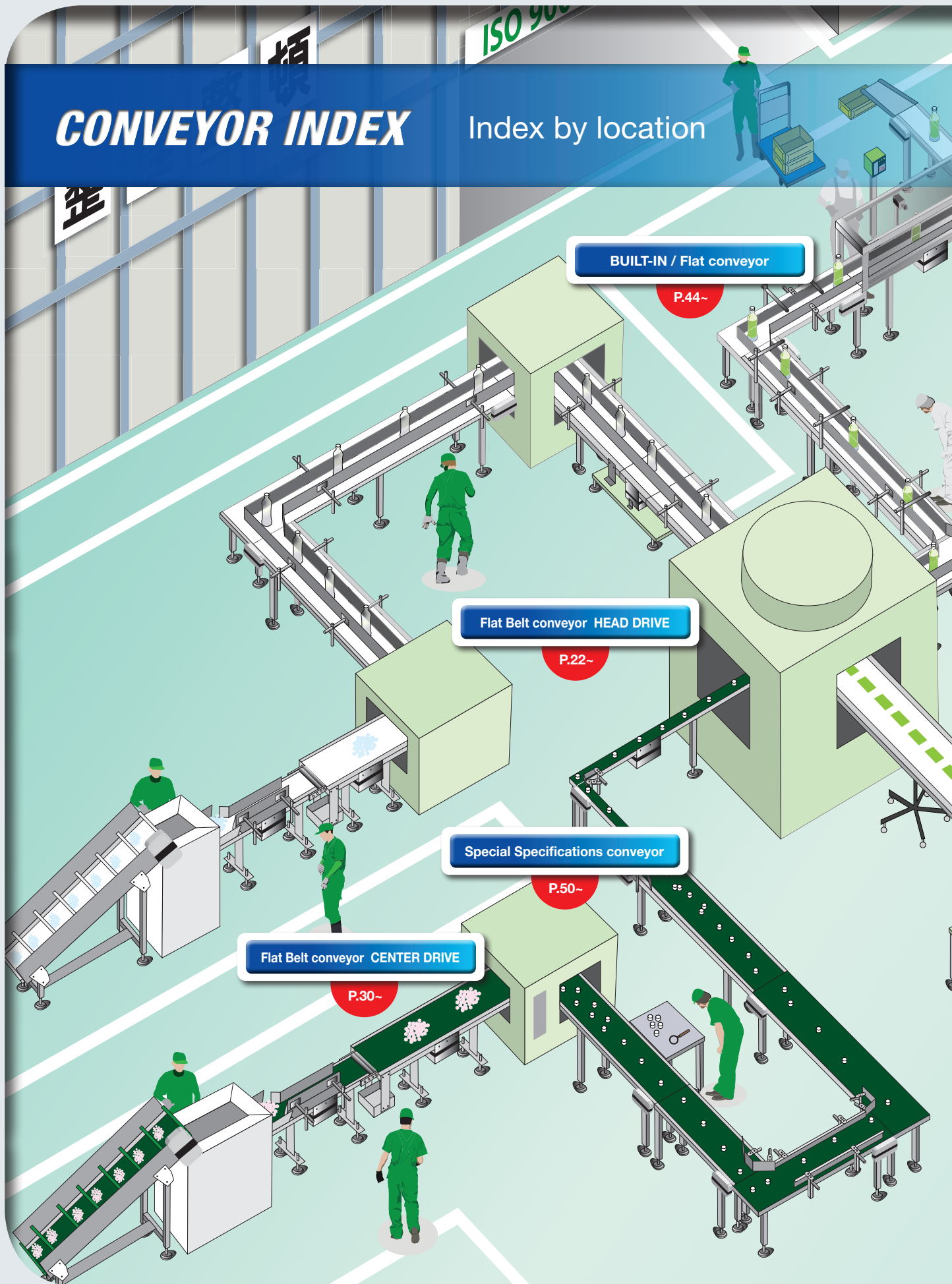


★ Headquarters MISUMI Corporation

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<b>A</b> MISUMI Group Inc./ MISUMI Corporation	TEL: +81-3-5805-7050 (Representative) FAX: +81-3-5805-7458	Iidabashi First Bldg., 5-1, Koraku 2-chome, Bunkyo-ku, Tokyo 112-8583, Japan	Global
<b>B</b> MISUMI USA, INC.	TEL: +1-847-843-9105 FAX: +1-847-843-9107	1717 Penny Lane, Suite 200, Schaumburg, IL 60173, U.S.A.	North America Central America South America
<b>C</b> MISUMI EUROPA GMBH	TEL: +49-6196-7746-0 FAX: +49-6196-7746-360	Katharina-Paulus-Strasse 6, 65824 Schwalbach, Germany	Europe Turkey Africa
<b>D</b> MISUMI (CHINA) PRECISION MACHINERY TRADING CO., LTD.	Tel: +86-21-6391-7080 Fax: +86-21-6391-7602	10th Floor, Tower1, Kerry Enterprise Centre, 128 Tianmu Road West, Jing'an District, Shanghai 200070, China	China
<b>E</b> MISUMI E.A. HK LTD.	TEL: +852-8303-2781 FAX: +852-8303-2782	3/F., Malaysia Building, 50 Gloucester Road, Wanchai, Hong Kong	Hong Kong
<b>F</b> MISUMI KOREA CORP.	TEL: +82-53-600-8611 FAX: +82-53-600-8615	1103 World Trade Center, 511, Yeongdong-daero Kangnam-Gu, Seoul 06164, Korea	Korea
<b>G</b> MISUMI TAIWAN CORP.	TEL: +886-2-2570-3766 FAX: +886-2-2570-3767	9F-1, No. 126 Nanjing East Road Sec. 4 Taipei 10595 Taiwan R.O.C	Taiwan
<b>H</b> MISUMI (THAILAND) CO., LTD.	TEL: +66-38-959-200 FAX: +66-38-959-202	300/24 Moo 1, Eastern Seaboard Industrial Estate Soi 5, Tambol Tasith, Amphur Pluakdaeng, Rayong Province 21140, Thailand	Thailand
<b>I</b> MISUMI SOUTH EAST ASIA PTE. LTD.	TEL: +65-6733-7211 FAX: +65-6733-0211	331 North Bridge Road, #05-03 Odeon Towers, Singapore 188720	Southeast Asia (excluding Malaysia, Thailand, Indonesia) Australia
<b>J</b> MISUMI MALAYSIA SDN. BHD.	TEL: +60-3-7960-8499 FAX: +60-3-7960-7499	Unit 1206, 12th Floor Menara Amcorp No.18, Jalan Persiaran Barat 46050 Petaling Jaya, Selangor, Malaysia	Malaysia
<b>K</b> MISUMI INDIA PVT. LTD.	TEL: +91-12-4468-8800 FAX: +91-12-4468-8811	Plot #241, Udyog Vihar, Phase-I, Sector 20, Gurgaon, Haryana-122001 India	India
<b>L</b> PT. MISUMI INDONESIA	TEL: +62-21-5789-5837 FAX: +62-21-5789-5836	Menara Karya, LT. 28, Jl. H.R. Rasuna Said Kav 1-2, Kuningan Jakarta, Selatan 12950, Indonesia	Indonesia
<b>M</b> VIETNAM CO., LTD.	TEL: +0241-361-1555 FAX: +0241-361-2555	Lot No.15, TS11 Road, Tien Son Industrial Park, Hoan Son commune, Tien Du District, Bac Ninh province, Vietnam	Vietnam

# CONVEYOR INDEX

Index by location

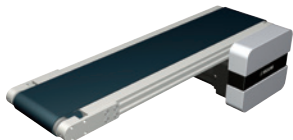






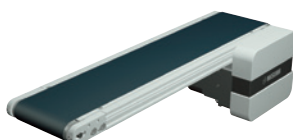
# CONVEYOR LINEUP

**HEAD DRIVE**  
- Selectable Width Ø30 -



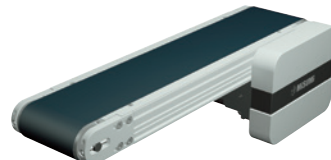
P.22

**HEAD DRIVE**  
- Variable Width Ø30 -



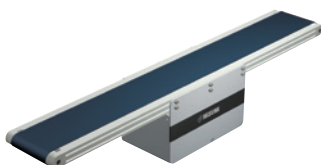
P.24

**HEAD DRIVE**  
- Variable Width Ø50 -



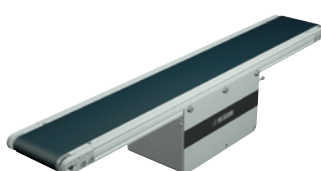
P.26

**HEAD DRIVE**  
- Width Specified Ø30 -



P.28

**CENTER DRIVE**  
- Variable Width Ø30 -



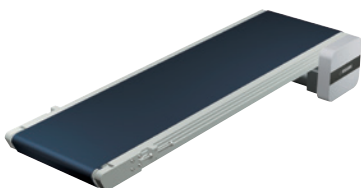
P.30

**CENTER DRIVE**  
- Variable Width Ø50 -



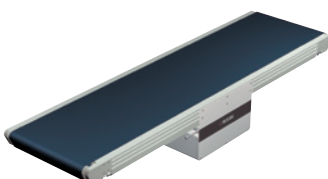
P.32

**HEAD DRIVE**  
- High Power Type Ø60 -



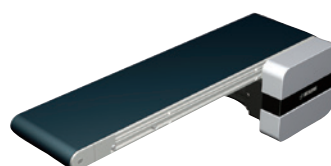
P.34

**CENTER DRIVE**  
- High Power Type Ø60/30 -



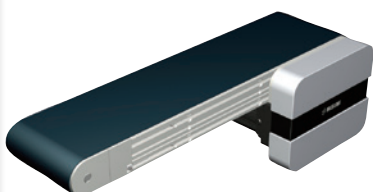
P.36

**HEAD DRIVE**  
- Full Belt Type Ø30 -



P.38

**HEAD DRIVE**  
- Full Belt Type Ø50 -



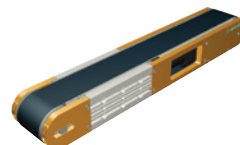
P.40

**CENTER DRIVE**  
- Short Length Type Ø70 -



P.42

**BUILT-IN DRIVE**  
- Selectable Width Ø70 -



P.44

**BUILT-IN DRIVE**  
- Variable Width Ø32 -



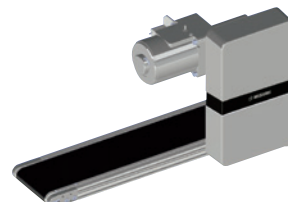
P.46

**CENTER DRIVE**  
- Thin Type Ø15 -



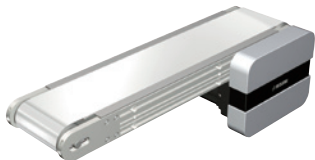
P.48

**HEAD DRIVE**  
- Motor Mount Position Selection Type Ø30 -



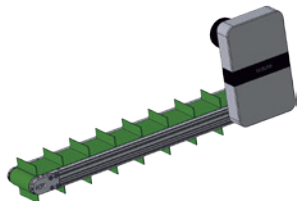
P.50

**HEAD DRIVE**  
- Stainless Steel Belt Type Ø50 -



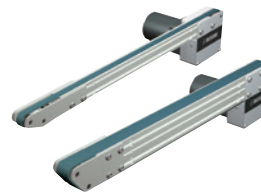
P.54

**HEAD DRIVE**  
- Cleated Belt Type Ø50 -



P.56

**HEAD DRIVE**  
- Single Track Timing Belt Type Ø19/20 -



P.58

**CENTER DRIVE**  
- Single Track Timing Belt Type Ø19/20 -



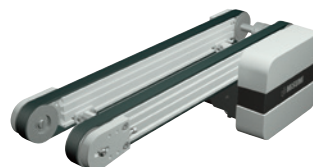
P.60

**HEAD DRIVE**  
- Dual Track Timing Belt Type Ø30 -



P.62

**HEAD DRIVE**  
- Dual Track Timing Belt Type Ø50 -



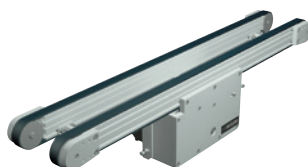
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**CENTER DRIVE**  
- Dual Track Timing Belt Type Ø30 -



P.66

**CENTER DRIVE**  
- Dual Track Timing Belt Type Ø50 -



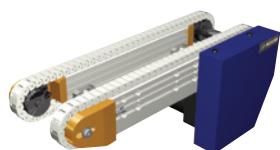
P.68

**HEAD DRIVE**  
- Single Row Plastic Chain Type Ø57 -



P.70

**HEAD DRIVE**  
- Dual Track Plastic Chain Type Ø57 -



P.72

**Alterations & Options**

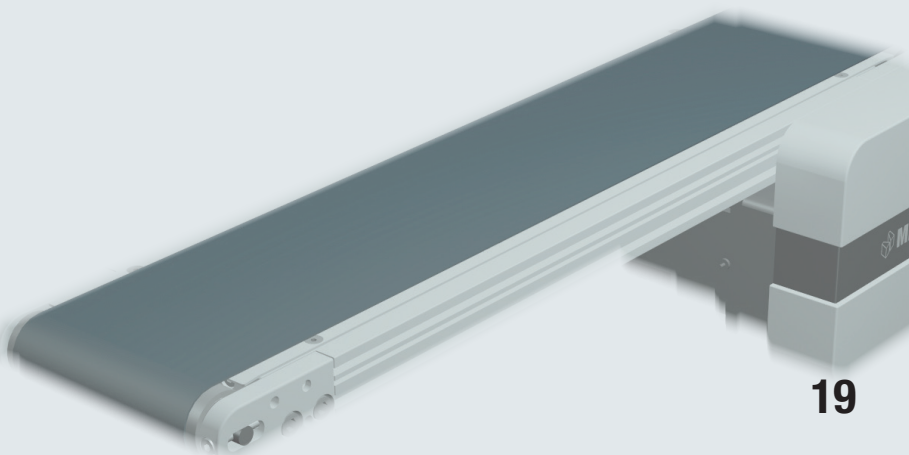


P.74

**Belt**



P.96





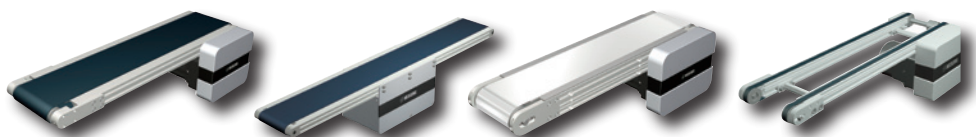
# CONVEYOR

Flat Belt P.22~

BUILT-IN / Flat P.44~

Special Specifications P.50~





**Timing Belt P.58~**

**Plastic Chain P.70~**

CE

Single-phase  
230V Limited

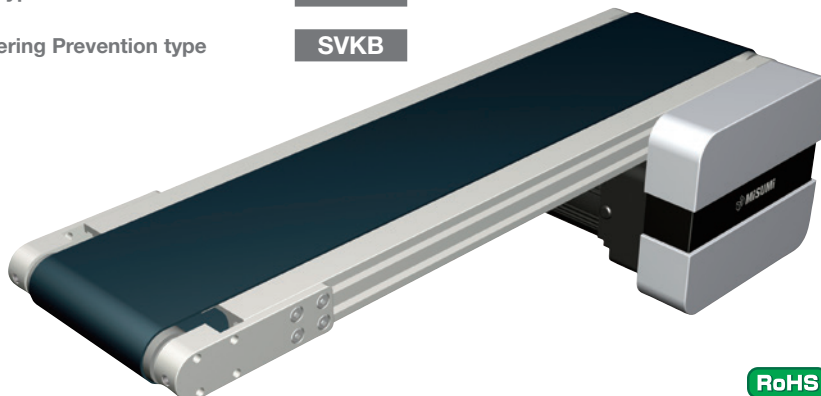
**Low-cost fixed-width structure featuring simple yet stylish design**  
**Winner of the Good Design Award**

Crown type

SVKA

Meandering Prevention type

SVKB



RoHS



Optional Parts ▶ P.75~

Part Number	Width B (mm)	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection ① Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
SVKA	50	300~3000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM* (Constant Speed Motor)  SCM (Variable Speed Motor)	5   7.5   9   12.5   15 18   25   30   36   50 60   75   90   100 120   150   180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade, White) ※ 1 O (Oil Resistant, Navy Blue) ※ 2 N (Non-Stick Food Grade, White) J (No Belt) ※ 1 Only applicable for SVKA ※ 2 Green in SVKB	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
	100							
	150							
	200							
	250							
SVKB	300		25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor)  INV (Induction Motor + Inverter)	⊗ 5~9 not applicable for 6W Motor ⊗ Gear head reduction ratio 7.5, 100, and 150 are not applicable to self kit conveyor		
	400							
				6 25	NV* (No Motor)	NM (No Motor)*	NH (No Gearhead)*	*For belts other than the above, please refer to P. 101

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
 ② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 ③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

Order	Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
				Output	Voltage	Specification	Gearhead Reduction Ratio			
	SVKA	100	1000	25	T100	IM	25	H	C	
"No belt"	SVKA	100	1000	25	T100	SCM	25	J	A	
"No Motor Gearheads"	SVKA	100	1000	25	NV	NM	NH	H	R	

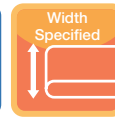
Compatible Table ▶ P.121



Alteration

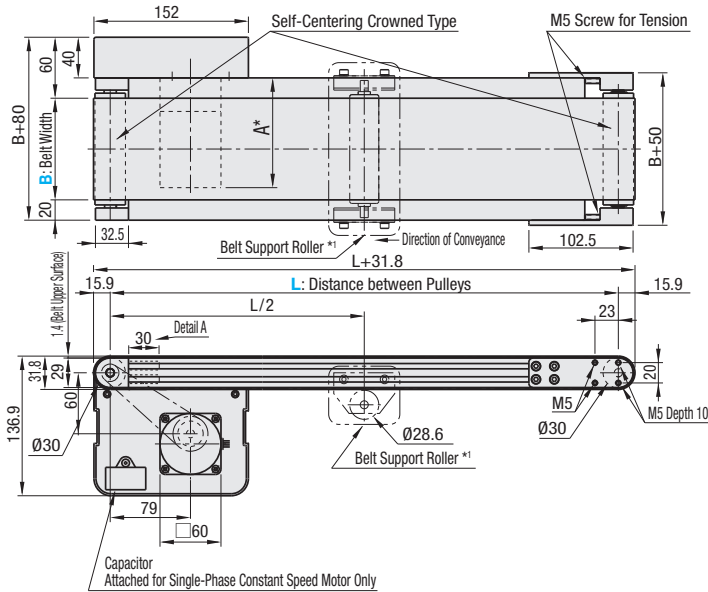
<p>• Motor Position Reversed</p>	<p>• Additional Counterbores</p>	<p>• Motor Cover with Window</p>	<p>• Brackets for Speed Controller Included</p>
<p>• Post-Assembly Insertion Nuts Included</p>	<p>• Motor with Terminal Box</p>	<p>• Conveyor Stand I • H Type</p>	

Alteration ▶ P.74~

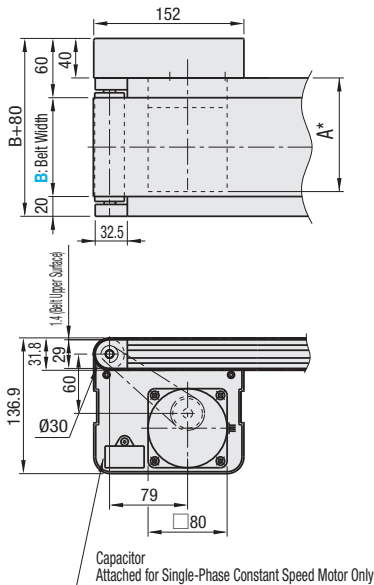


## SVKA (SVKB drawings check e-catalog page)

### 6W Motor Type



### 25W Motor Type



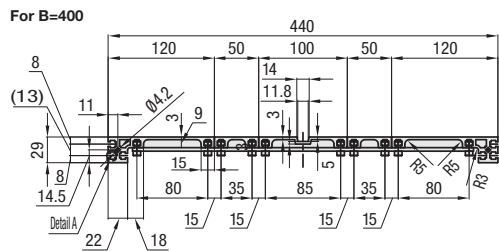
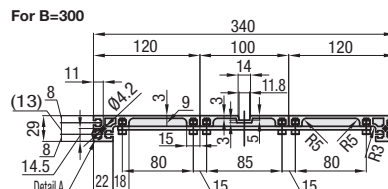
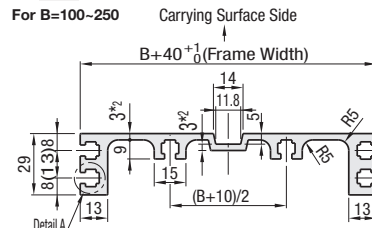
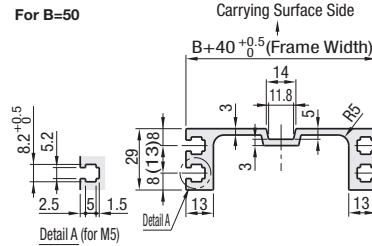
\*When  $L \geq 400$ , each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, please specify in alterations.

\*1 When  $L \geq 2005$ , belt support rollers are mounted at these positions.

① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.

② The "Detail A" section of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.

### Frame Cross Section and Enlarged View (Symmetrical)



① For B=50, down facing slot is not provided.

② For B=200 and 250, \*2 section thickness is 4 mm.

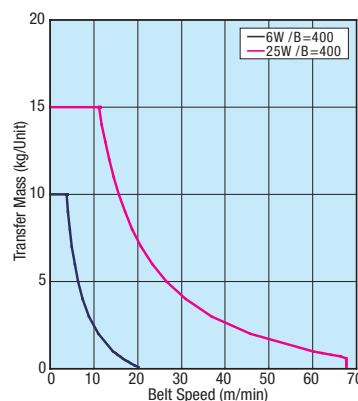
③ Compatible with JIS standard hex nuts.

### \*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	5~25	101.0
			30~180	108.0
		Oriental	5~25	105.0
			30~180	115.0
	Variable Speed Motor	Panasonic	5~75	120.0
			90~180	127.0
		Taiwanese	5~25	111.0
			30~180	118.0
25W	Constant Speed Motor	Panasonic	5~180	115.0
			5~18	117.0
		Oriental	25~180	127.5
			5~75	129.3
		Taiwanese	90~180	136.3
			5~180	125.0
	Variable Speed Motor	Panasonic	5~18	127.0
			25~180	137.5
		Oriental	5~75	140.0
			90~180	147.0
		Taiwanese	5~75	140.0
			90~180	147.0

### Conveying Capacity

\*Reference value  
(Differences arise in the transport speed by a belt)



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	56.4	67.7
7.5	37.6	45.1
9	31.3	37.6
12.5	22.6	27.1
15	18.8	22.6
18	15.7	18.8
25	11.3	13.5
30	9.4	11.3
36	7.8	9.4
50	5.6	6.8
60	4.7	5.6
75	3.8	4.5
90	3.1	3.8
100	2.8	3.4
120	2.4	2.8
150	1.9	2.3
180	1.6	1.9

# HEAD DRIVE – Variable Width Ø30 –

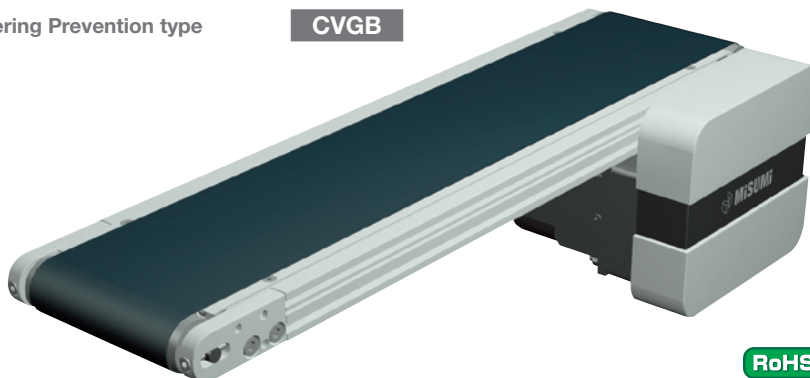
Standard conveyor available in the industry's most flexible choice of dimensions: width in 1-mm increments and length in 5-mm increments

Crown type

CVGA

Meandering Prevention type

CVGB



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm) 1 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection Ⓜ Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVGA	30~300	190~2000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade, White) ※ 1 O (Oil Resistant, Navy Blue) ※ 2 N (Non-Stick Food Grade, White) J (No Belt) ※ 1 Only applicable for SVKA ※ 2 Green in SVKB *For belts other than the above, please refer to P. 100	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	⊗ 5~9 not applicable for 6W Motor		
CVGB	50~300		6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

Ⓜ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.

Ⓜ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

Ⓜ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.



Order

Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
			Output	Voltage	Specification	Gearhead Reduction Ratio			

CVGA - 60 - 660 - 6 - T100 - IM - 36 - H - A ( - MK • FYA • FYB • CW • SCB • ANT6 • TBM • NA • WA )

"No belt"

CVGA - 100 - 1000 - 25 - T100 - SCM - 25 - J - A

"No Motor Gearheads"

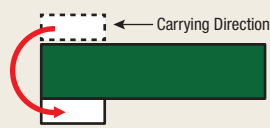
CVGA - 100 - 1000 - 25 - NV - NM - NH - H - R

Compatible Table ▶ P.121

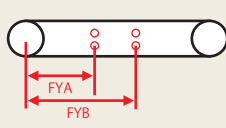


Alteration

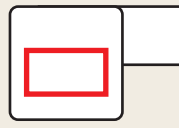
• Motor Position Reversed



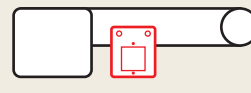
• Additional Counterbores



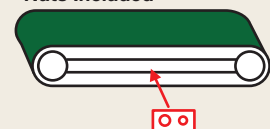
• Motor Cover with Window



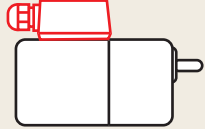
• Brackets for Speed Controller Included



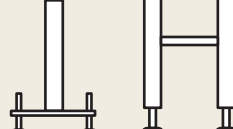
• Post-Assembly Insertion Nuts Included



• Motor with Terminal Box

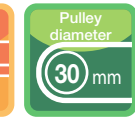
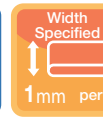


• Conveyor Stand I • H Type



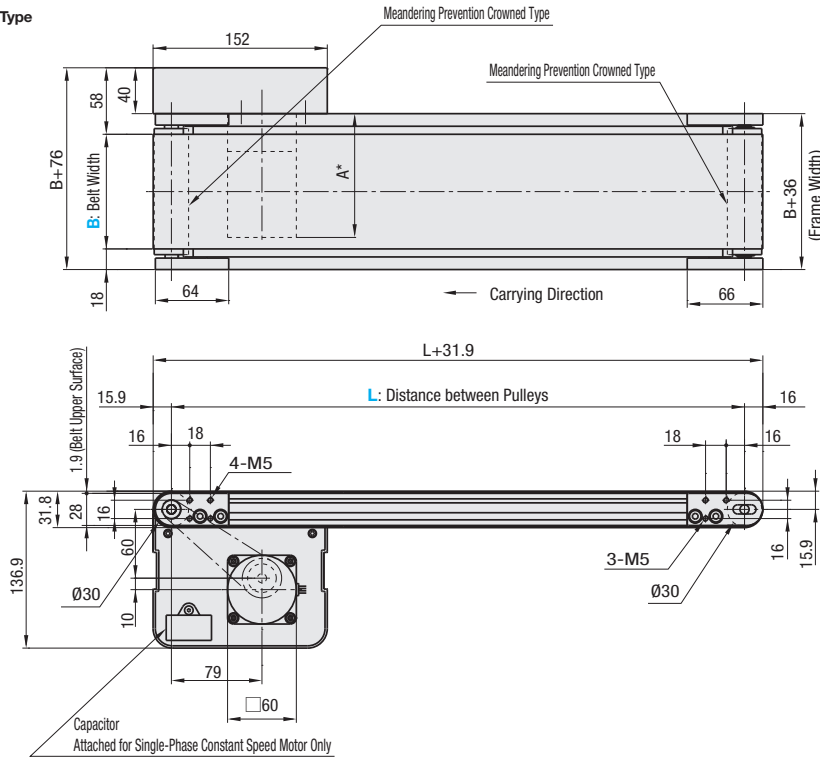
Alteration ▶ P.74~



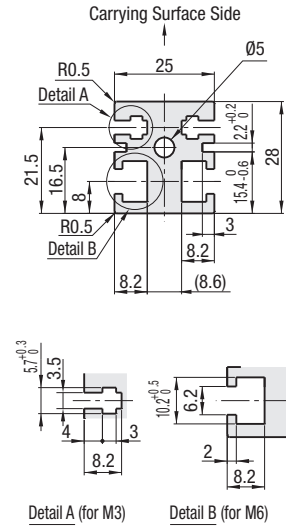


## CVGA (CVGB drawings check e-catalog page)

### 6W Motor Type

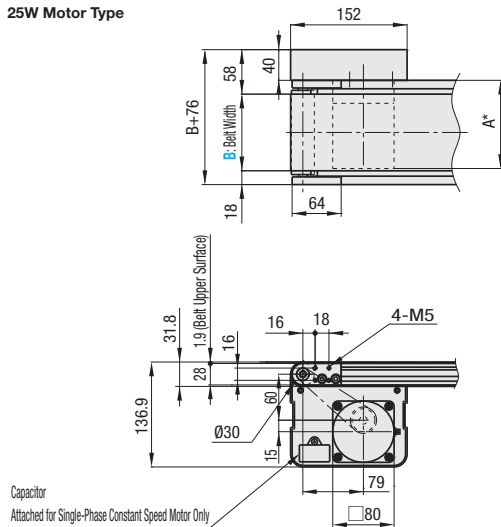


### Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

### 25W Motor Type



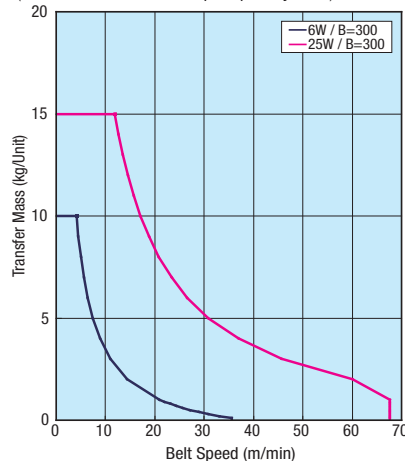
\*When  $L \geq 290$ , each slot has four (4) nuts inserted.  
When counterbores for inserting nuts are required, please specify in alterations.  
① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications.  
For Belt Specifications, see P. 96.

### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
6W	Constant Speed Motor	Panasonic	5~25	101.0
			30~180	108.0
		Oriental	5~25	105.0
			30~180	115.0
	Variable Speed Motor	Panasonic	5~25	111.0
			30~180	118.0
		Oriental	5~25	115.0
			30~180	125.0
25W	Constant Speed Motor	Panasonic	5~25	126.9
			30~180	120.7
		Oriental	5~25	132.9
			30~180	136.0
	Variable Speed Motor	Panasonic	5~180	115.0
			5~18	117.0
		Oriental	25~180	127.5
			5~75	129.0

### ■ Conveying Capacity

\*Reference value  
(Differences arise in the transport speed by a belt)



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	56.4	67.7
7.5	37.6	45.1
9	31.3	37.6
12.5	22.6	27.1
15	18.8	22.6
18	15.7	18.8
25	11.3	13.5
30	9.4	11.3
36	7.8	9.4
50	5.6	6.8
60	4.7	5.6
75	3.8	4.5
90	3.1	3.8
100	2.8	3.4
120	2.4	2.8
150	1.9	2.3
180	1.6	1.9

# HEAD DRIVE – Variable Width Ø50 –

Specify width dimensions to 1 mm and length dimensions to 5 mm  
Triple-channel frame supports a variety of optional attachments

Crown type

CVGC

Meandering Prevention type

CVGD



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm) 1 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection ⓐ Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVGC	40~300	240~2000	6 25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade, White) ※ 1 O (Oil Resistant, Navy Blue) ※ 2 N (Non-Stick Food Grade, White) J (No Belt) ※ 1 Only applicable for SVKA ※ 2 Green in SVKB *For belts other than the above, please refer to P. 100	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25 40	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	ⓧ 5~9 not applicable for 6W Motor		
CVGD	50~300		6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

- ⓐ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
 ⓑ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 ⓒ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

**Order**

Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection - Alteration

CVGC - 60 - 1200 - 25 - S200 - IM - 50 - H - B - ( - MK • FYA • FYB • CW • SCB • ANT6 • TBM • NA • WA )

"No belt" CVGC - 100 - 1000 - 25 - T100 - SCM - 25 - J - A

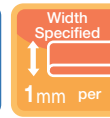
"No Motor Gearheads" CVGC - 100 - 1000 - 25 - NV - NM - NH - H - R

Compatible Table ▶ P.121

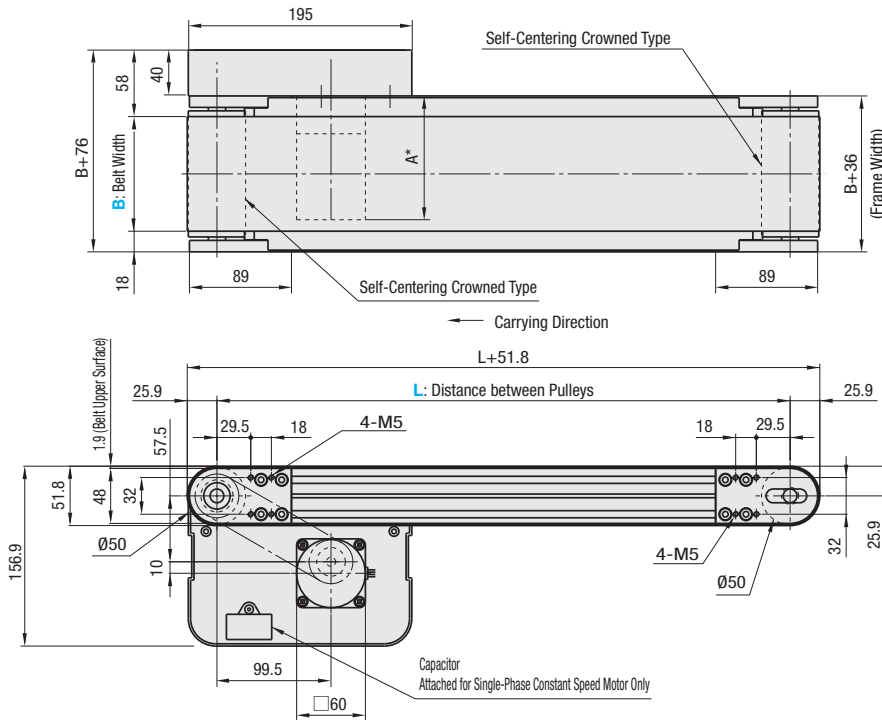
**Alteration**

- Motor Position Reversed
- Additional Counterbores
- Motor Cover with Window
- Brackets for Speed Controller Included
- Post-Assembly Insertion Nuts Included
- Motor with Terminal Box
- Conveyor Stand I • H Type

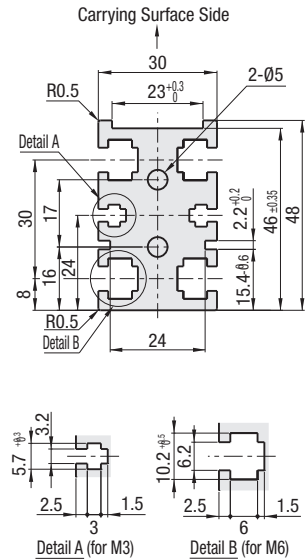
Alteration ▶ P.74~

**CVGC (CVGD drawings check e-catalog page)**

6W Motor Type

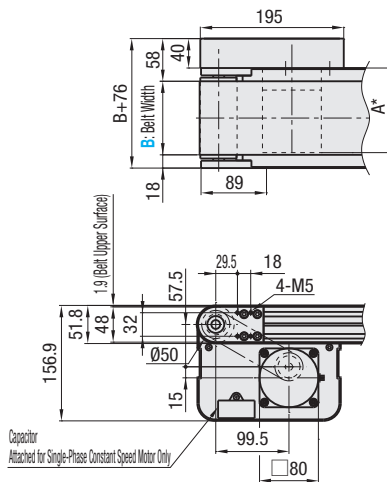


Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.

## 25W Motor Type



\*When  $L \geq 340$ , each slot has four (4) nuts inserted  
When counterbores for inserting nuts are required, please specify in alterations.

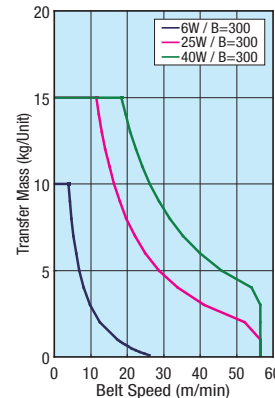
⚠ The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P.96.

## \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
6W	Constant Speed Motor	Panasonic	5~25	101.0
			30~180	108.0
		Oriental	5~25	105.0
			30~180	115.0
		Taiwanese	5~75	114.7
			90~180	120.7
	Variable Speed Motor	Panasonic	5~25	111.0
			30~180	118.0
		Oriental	5~25	115.0
			30~180	125.0
		Taiwanese	5~75	126.9
			90~180	132.9
25W	Constant Speed Motor	Panasonic	5~180	115.0
			5~18	117.0
		Oriental	25~180	127.5
			5~75	129.0
		Taiwanese	90~180	136.0
			5~180	125.0
	Variable Speed Motor	Panasonic	5~18	127.0
			25~180	137.5
		Oriental	5~75	139.5
			90~180	146.5
		Taiwanese	5~75	139.5
			90~180	146.5

## ■ Conveying Capacity

\*Reference value (Differences arise in the transport speed by a belt)



## ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

CE

Single-phase  
230V Limited

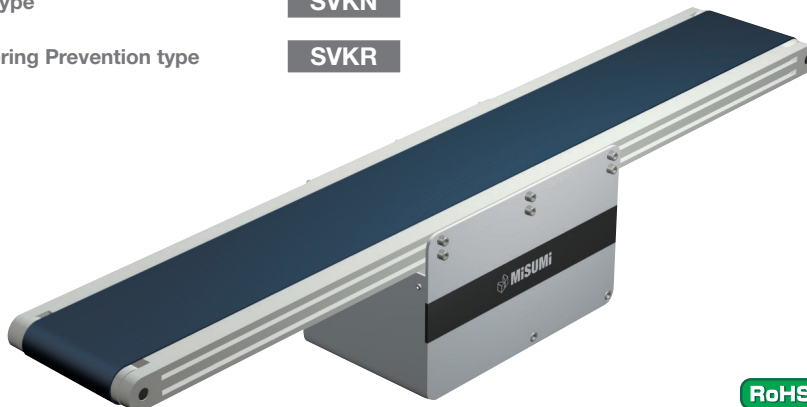
**Low-cost solution with simple design structure available in a range of widths**  
**Space-saving conveyor with built-in drive motor**

Crown type

**SVKN**

Meandering Prevention type

**SVKR**



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm) Selection	Length L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection Ⓜ Prices vary by manufacture
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
SVKN	50 100 150 200 250	390~3000	6 25 40 60 90	(Single-Phase) TA100 TA110 TA115 T200 TA200 TA220 TA230	IM (Constant Speed Motor)  SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25 40 60 90	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
			40 60 90	(Single-Phase) TA100 TA110 TA115 T200 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)			
			40 60 90	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
SVKR	300 400		40 60 90	(Single-Phase) TA100 TA110 TA115 T200 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	⊗ 5~9 not applicable for 6W Motor	F (Food Grade, White) ※ 1 O (Oil Resistant, Navy Blue) ※ 2 N (Non-Stick Food Grade, White) J (No Belt)	
			40 60 90	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)		※ 1 Only applicable for SVKN ※ 2 Green in SVKR	
	50 100 150 200 250 300 400		6 25 40 60 90	NV (No Motor)	NM (No Motor)	NH (No Gearhead)	*For belts other than the above, please refer to P. 100	R (No Motor, Gearhead)

Ⓜ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.

Ⓜ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

Ⓜ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.



Order

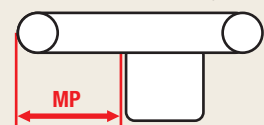
Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
			Output	Voltage	Specification	Gearhead Reduction Ratio			
SVKN - 100 - 1000	100	1000	25	T100	IM	25	H	C	( - MP • FYA • FYB • HR • MR • WR • CW • SCB • ANT5 • BR • NA • WA )
"No belt" SVKN - 100 - 1000	100	1000	25	T100	SCM	25	J	A	
"No Motor Gearheads" SVKN - 100 - 1000	100	1000	25	NV	NM	NH	H	R	

Compatible Table ▶ P.122

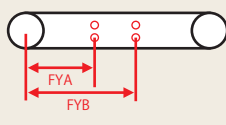


Alteration

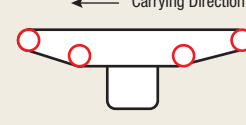
• Specify Drive Section Position ← Carrying Direction



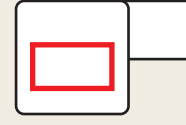
• Additional Counterbores



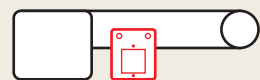
• Both Ends Roller Edge ← Carrying Direction



• Motor Cover with Window



• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included



• Motors with Electromagnetic Brake



• Conveyor Stand I • H Type



Alteration ▶ P.74~





# CENTER DRIVE – Variable Width Ø30 –

Specify width dimensions to 1 mm and length dimensions to 5 mm  
Standard conveyor with size tailored to your specifications

Crown type

CVGN

Meandering Prevention type

CVGP



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 1 mm Increment	Length L 5 mm Increment	Motor					Belt Specification	Motor Manufacturer Selection			
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio					Ⓜ Prices vary by manufacturer	
CVGN	30~300	355~2000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5   7.5   9   12.5   15 18   25   30   36   50 60   75   90   100   120 150   180					H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) ※ 1 O (Oil Resistant) ※ 2 N (Non-Stick Food Grade) J (No Belt) ※ 1 Only applicable for CVGN ※ 2 Green in CVGN	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
CVGP	50~300		25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)						⊗ 5~9 not applicable for 6W Motor	
				6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)					

- Ⓜ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
 Ⓜ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 Ⓜ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

**Order**

Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection - Alteration

CVGN - 90 - 1440 - 25 - T200 - IM - 50 - H - A - ( - MP • FYA • FYB • HR • MR • WR • CW • SCB • ANT6 • BR • NA • WA )

"No belt" CVGN - 100 - 1000 - 25 - T100 - SCM - 25 - J - A

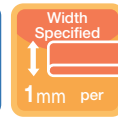
"No Motor Gearheads" CVGN - 100 - 1000 - 25 - NV - NM - NH - H - R

Compatible Table ▶ P.122

**Alteration**

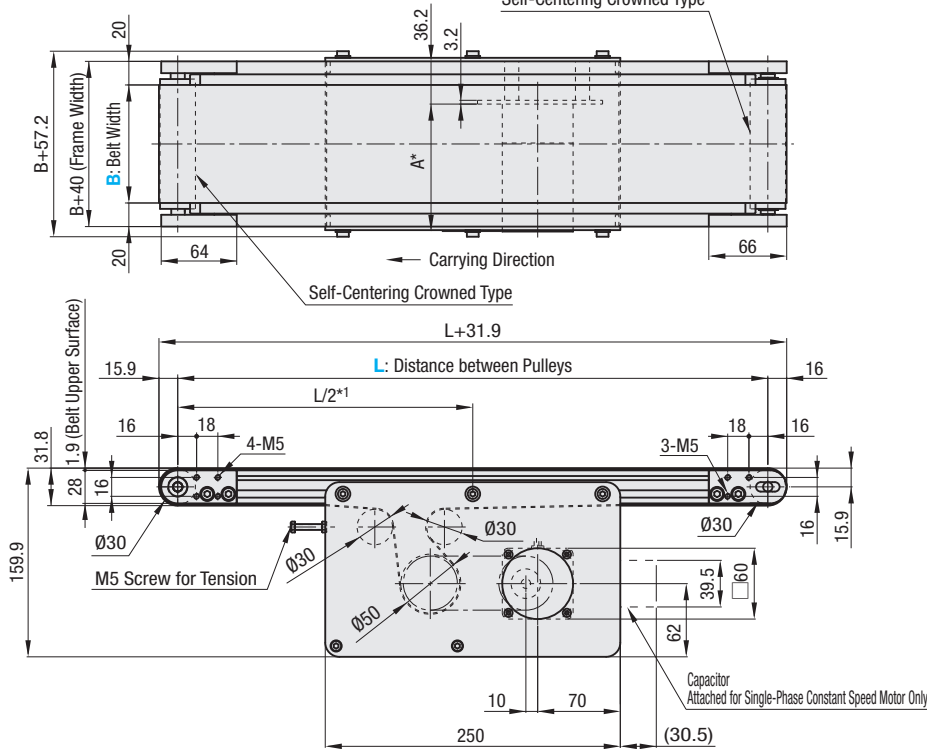
- Specify Drive Section Position ← Carrying Direction
- Additional Counterbores
- Both Ends Roller Edge ← Carrying Direction
- Motor Cover with Window
- Brackets for Speed Controller Included
- Post-Assembly Insertion Nuts Included
- Motors with Electromagnetic Brake
- Conveyor Stand I • H Type

Alteration ▶ P.74~

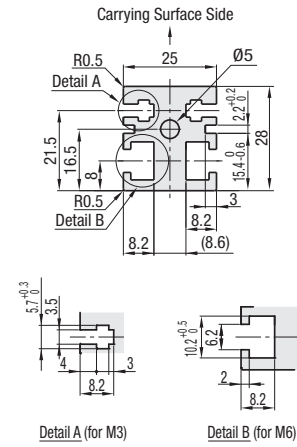


## CVGN (CVGP drawings check e-catalog page)

6W Motor Type

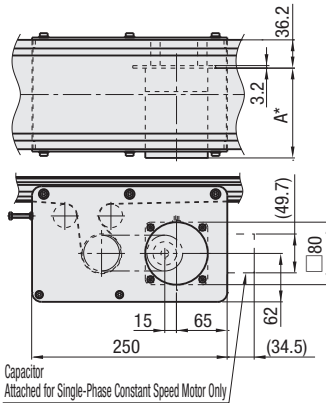


Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

25W Motor Type



\*1 The drive section can be moved to a desired position within the aluminum extrusion slots.

\*2 When  $L \geq 455$ , each slot has four (4) nuts inserted.

When counterbores for inserting nuts are required, please specify in alterations.

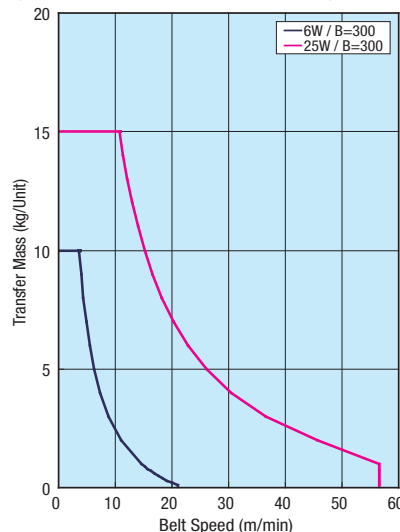
① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.

\*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	5~25	101.0
			30~180	108.0
		Oriental	5~25	105.0
			30~180	115.0
	Variable Speed Motor	Panasonic	5~75	114.7
			90~180	120.7
		Oriental	5~25	111.0
			30~180	118.0
25W	Constant Speed Motor	Panasonic	5~25	115.0
			30~180	118.0
		Oriental	5~25	115.0
			30~180	125.0
	Variable Speed Motor	Panasonic	5~75	126.9
			90~180	132.9
		Oriental	5~18	117.0
			25~180	127.5

### Conveying Capacity

\*Reference value  
(Differences arise in the transport speed by a belt)



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# CENTER DRIVE – Variable Width Ø50 –

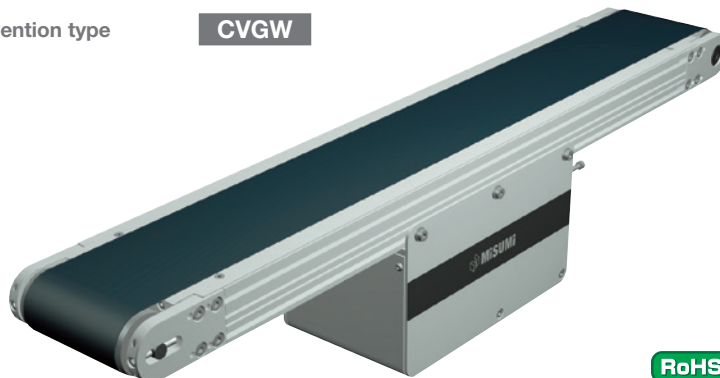
Specify width dimensions to 1 mm and length dimensions to 5 mm  
Triple-channel frame supports a variety of optional attachments

Crown type

CVGR

Meandering Prevention type

CVGW



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 1 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		Ⓜ Prices vary by manufacturer
CVGR	40~300	385~2000	6 25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5   7.5   9   12.5   15 18   25   30   36   50 60   75   90   100   120 150   180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) ※ 1 O (Oil Resistant) ※ 2 N (Non-Stick Food Grade) J (No Belt) ※ 1 Only applicable for CVGN ※ 2 Green in CVGN	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25 40	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	⊗ 5~9 not applicable for 6W Motor		
CVGW	50~300			6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)	*For belts other than the above, please refer to P. 100

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

**Order**

Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection - Alteration

CVGR - 120 - 1350 - 40 - T100 - SCM - 50 - H - A - ( - MP • FYA • FYB • HR • MR • WR • CW • SCB • ANT6 • BR • NA • WA )

"No belt" CVGR - 100 - 1000 - 25 - T100 - SCM - 25 - J - A

"No Motor Gearheads" CVGR - 100 - 1000 - 25 - NV - NM - NH - H - R

Compatible Table ▶ P.122

**Alteration**

- Specify Drive Section Position ← Carrying Direction
- Additional Counterbores
- Both Ends Roller Edge ← Carrying Direction
- Motor Cover with Window
- Brackets for Speed Controller Included
- Post-Assembly Insertion Nuts Included
- Motors with Electromagnetic Brake
- Conveyor Stand I • H Type

Alteration ▶ P.74~





# HEAD DRIVE – High Power Type Ø60 –

Maximum carrying capacity 50 kg

Maximum width 500 mm, maximum length 6,000 mm

CE

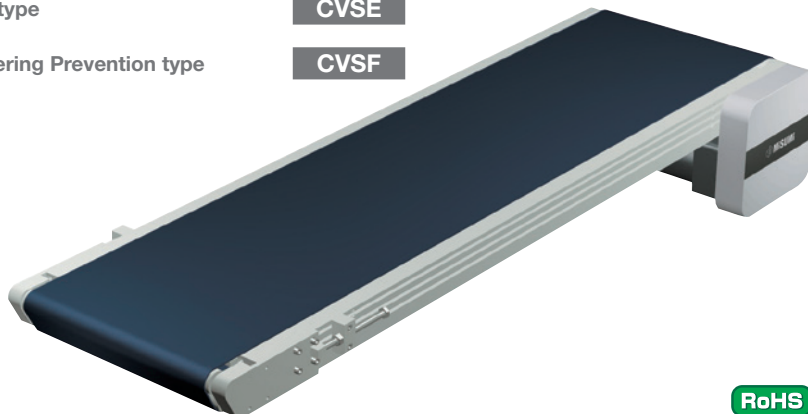
Single-phase  
230V Limited

Crown type

CVSE

Meandering Prevention type

CVSF



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm)	Length L 5 mm Increment	Motor				Belt Specification	F (Additional Counterbores) 5 mm Increment	Motor Manufacturer Selection ① Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio			
CVSE	100	440~6000	60 90	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) ※ 1 O (Oil Resistant) ※ 2 N (Non-Stick Food Grade) J (No Belt) ※ 1 Only applicable for CVSE ※ 2 Green in CVSF *For belts other than the above, please refer to P. 100	205<F<L-225 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
	200								
	300								
	400								
	500								
CVSF				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter) NV (No Motor)	NH (No Gearhead)			R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.

② Workpiece weighing over 10 kg/unit might deform belt base plate.

③ When the unit length (L dim.) is 2000mm or less, this will be delivered complete. For a unit over 2000 mm, the frame is delivered in sections and the customer is to assemble according to the included assembly instructions. The assembly procedure manual can also be downloaded from our Conveyor Selection web site.

④ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

⑤ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.



Order

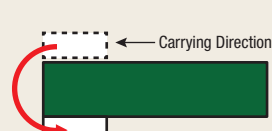
Part Number	B	L	Motor				Belt Specification	F	Motor Manufacturer Selection	Alteration
			Output	Voltage	Specification	Gearhead Reduction Ratio				
CVSE	300	2000	90	T100	IM	25	H	F1000	C	
"No belt"	CVSE	100	1000	60	T100	SCM	25	J	F300	A
"No Motor Gearheads"	CVSE	100	1000	60	NV	NM	NH	H	F300	R

Compatible Table ▶ P.123

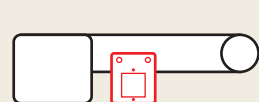


Alteration

• Motor Position Reversed



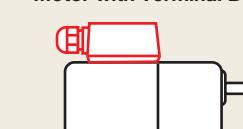
• Brackets for Speed Controller Included



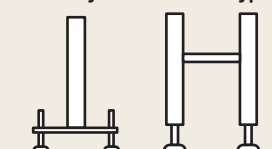
• Post-Assembly Insertion Nuts Included



• Motor with Terminal Box



• Conveyor Stand I • H Type



Alteration ▶ P.74~



# CENTER DRIVE – High Power Type Ø60/30 –

**Maximum carrying capacity 50 kg**  
**Space-saving conveyor with built-in drive motor**

CE

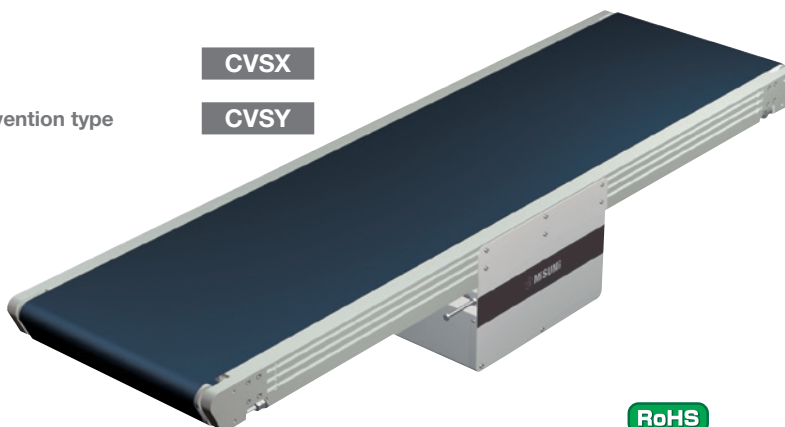
Single-phase  
230V Limited

Crown type

CVSX

Meandering Prevention type

CVSY



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm)	Length L 5 mm Increment	Motor				Belt Specification	F (Additional Counterbores) 5 mm Increment	Motor Manufacturer Selection Ⓜ Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio			
CVSX	100 200 300 400 500	480~6000	60 90	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor)  SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) O (Oil Resistant) ※ 1 N (Non-Stick Food Grade) J (No Belt) ※ 1 Green in CVSY *For belts other than the above, please refer to P. 100	105<F<L-105 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
CVSY				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor)  INV (Induction Motor + Inverter)				
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)	

ⓐ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.

ⓑ Workpiece weighing over 10 kg/unit might deform belt base plate.

ⓒ When the unit length (L dim.) is 2000 mm or less, this will be delivered complete. For a unit over 2000 mm, the frame is delivered in sections and the customer is to assemble according to the included assembly instructions. The assembly procedure manual can also be downloaded from our Conveyor Selection web site.

ⓓ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

ⓔ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

Order	Part Number		B	L	Motor				Belt Specification	F	Motor Manufacturer Selection	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio				
	CVSX	300	2000	90	T100	IM	25	H	F1000	C		
"No belt"	CVSX	100	1000	60	T100	SCM	25	J	F300	A		MP • SCB • ANT5 • BR • NA • WA
"No Motor Gearheads"	CVSX	100	1000	60	NV	NM	NH	H	F300	R		

Compatible Table ▶ P.123

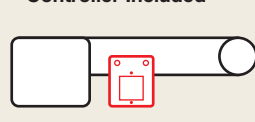


Alteration

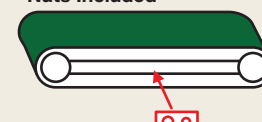
• Specify Drive Section Position ← Carrying Direction



• Brackets for Speed Controller Included



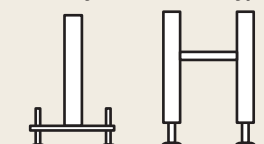
• Post-Assembly Insertion Nuts Included



• Motors with Electromagnetic Brake



• Conveyor Stand I • H Type



Alteration ▶ P.74~





# HEAD DRIVE – Full Belt Type Ø30 –

Space-saving design with belt covering entire conveyor surface and minimal framing

CE

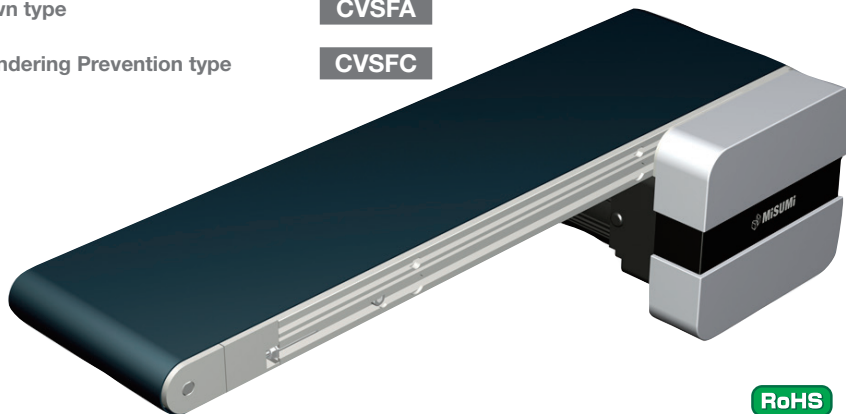
Single-phase  
230V Limited

Crown type

CVSFA

Meandering Prevention type

CVSFC



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 10 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	F (Additional Counterbores) 5 mm Increment	Motor Manufacturer Selection ① The prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio			
CVSFA	60~300	280~2000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) ※ 1 O (Oil Resistant) ※ 2 N (Non-Stick Food Grade) J (No Belt) ※ 1 Only applicable for CVSFA ※ 2 Green in CVSFC *For belts other than the above, please refer to P. 100	190<F<L-210 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)				
CVSFC	70~300		25						
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)			R (No Motor, Gearhead)

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

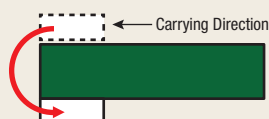
Order	Part Number		B	L	Motor				Belt Specification	F	Motor Manufacturer Selection	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio				
"No belt"	CVSFA	100	1000	25	T100	IM	25	25	H	F500	A	- MK • CW • SCB • ANT6 • TBM • NA • WA
"No Motor Gearheads"	CVSFA	100	1000	25	NV	NM	NH	NH	H	F300	R	

Compatible Table ▶ P.123

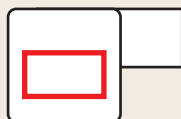


Alteration

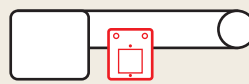
• Motor Position Reversed



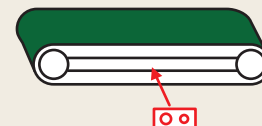
• Motor Cover with Window



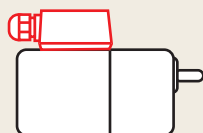
• Brackets for Speed Controller Included



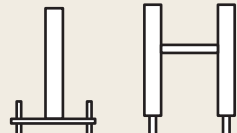
• Post-Assembly Insertion Nuts Included



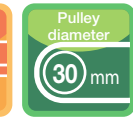
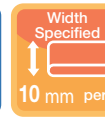
• Motor with Terminal Box



• Conveyor Stand I • H Type

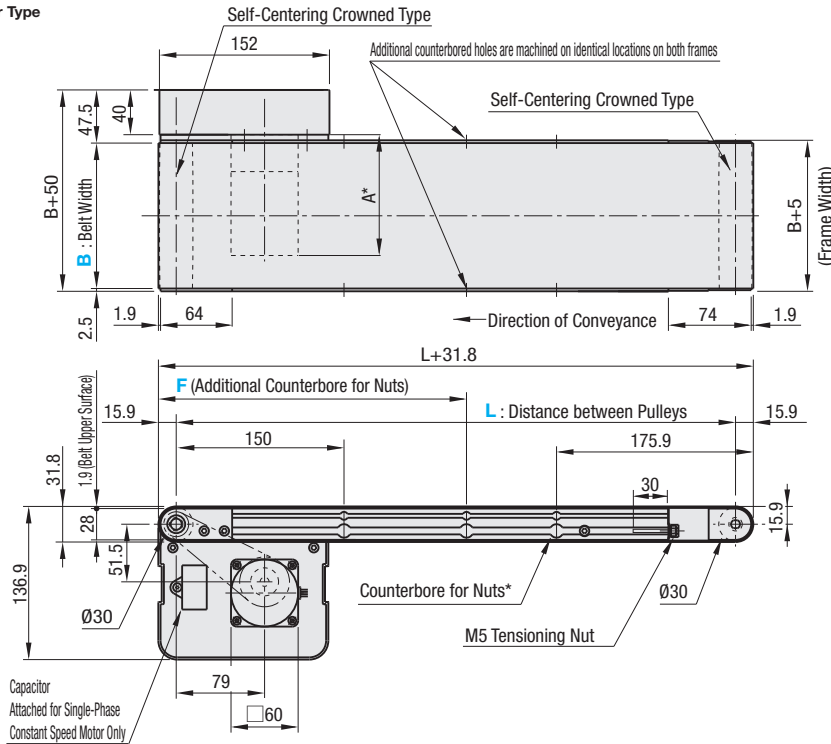


Alteration ▶ P.74~

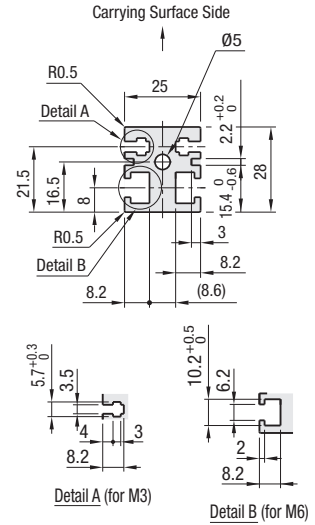


## CVSFA (CVSFC drawings check e-catalog page)

6W Motor Type

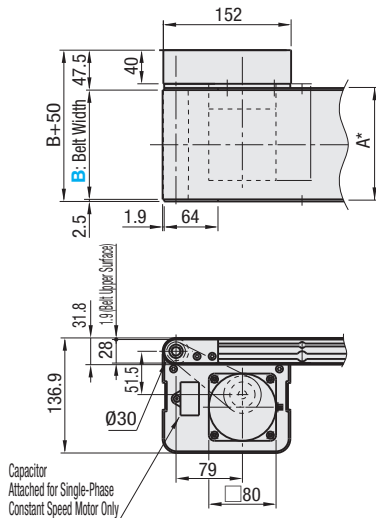


Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

25W Motor Type



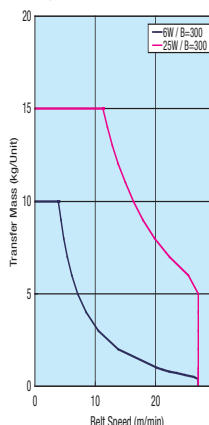
\*When  $L \leq 360$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.  
① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.

\*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
6W	Constant Speed Motor	Panasonic	12.5-25	101.0
		Panasonic	30-180	108.0
		Oriental	12.5-25	105.0
		Oriental	30-180	115.0
		Taiwanese	12.5-75	114.7
	Variable Speed Motor Control Motor	Panasonic	90-180	120.7
		Panasonic	12.5-25	111.0
		Panasonic	30-180	118.0
		Oriental	12.5-25	115.0
		Taiwanese	12.5-180	125.0
25W	Constant Speed Motor	Panasonic	12.5-75	126.9
		Panasonic	90-180	132.9
		Panasonic	12.5-180	115.0
		Oriental	25-180	117.0
		Taiwanese	12.5-75	127.5
	Variable Speed Motor Control Motor	Panasonic	90-180	129.0
		Panasonic	12.5-180	136.0
		Panasonic	12.5-180	125.0
		Oriental	25-180	127.0
		Taiwanese	12.5-75	137.5

### CVSFA

■ Conveying Capacity  
\*Reference value (Differences arise in the transport speed by a belt)

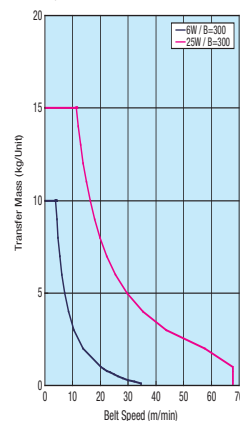


■ Gearhead Reduction Ratio  
\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	50Hz	60Hz
12.5	22.6	27.1	
15	18.8	22.6	
18	15.7	18.8	
25	11.3	13.5	
30	9.4	11.3	
36	7.8	9.4	
50	5.6	6.8	
60	4.7	5.6	
75	3.8	4.5	
90	3.1	3.8	
100	2.8	3.4	
120	2.4	2.8	
150	1.9	2.3	
180	1.6	1.9	

### CVSFC

■ Conveying Capacity  
\*Reference value (Differences arise in the transport speed by a belt)



■ Gearhead Reduction Ratio  
\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	50Hz	60Hz
5	56.4	67.7	
7.5	37.6	45.1	
9	31.3	37.6	
12.5	22.6	27.1	
15	18.8	22.6	
18	15.7	18.8	
25	11.3	13.5	
30	9.4	11.3	
36	7.8	9.4	
50	5.6	6.8	
60	4.7	5.6	
75	3.8	4.5	
90	3.1	3.8	
100	2.8	3.4	
120	2.4	2.8	
150	1.9	2.3	
180	1.6	1.9	

# HEAD DRIVE – Full Belt Type Ø50 –

Conveyor belt covers entire upper surface

Triple-channel frame supports a variety of optional attachments

CE

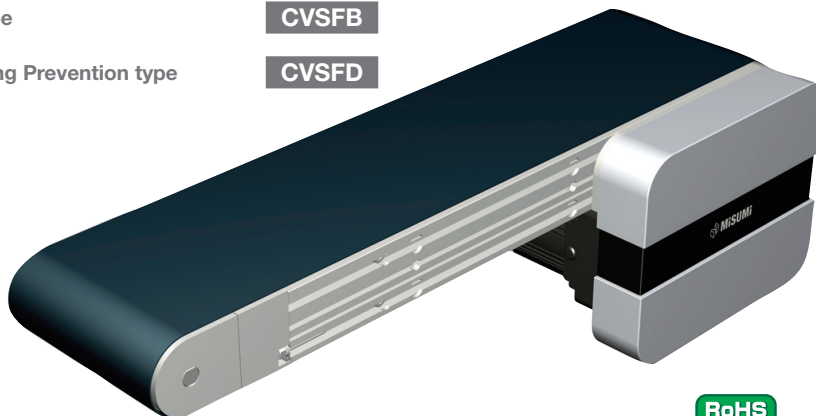
Single-phase  
230V Limited

Crown type

CVSFB

Meandering Prevention type

CVSFD



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 10 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection ① Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio			
CVSFB	60~300	320~2000	6 25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) ※ 1 O (Oil Resistant) ※ 2 N (Non-Stick Food Grade) J (No Belt)	240<F<L-220 *When not specified, there will be 0 additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25 40	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)		※ 1 Only applicable for CVSFB ※ 2 Green in CVSFD *For belts other than the above, please refer to P. 100		
CVSFD	80~300		6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)			R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.

② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

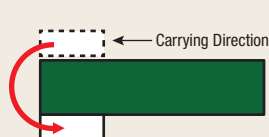
Order	Part Number		B		L		Motor				Belt Specification	F	Motor Manufacturer Selection	Alteration
							Output	Voltage	Specification	Gearhead Reduction Ratio				
"No belt"	CVSFB	100	1000	25	T100	IM	25			25	H	F500	A	- MK • CW • SCB • ANT6 • TBM • NA • WA
"No Motor Gearheads"	CVSFB	100	1000	25	T100	SCM	25			25	J	F300	A	
	CVSFB	100	1000	25	NV	NM	NH			NH	H	F300	R	

Compatible Table ▶ P.124

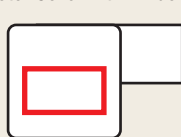


Alteration

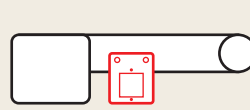
• Motor Position Reversed



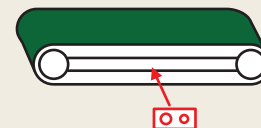
• Motor Cover with Window



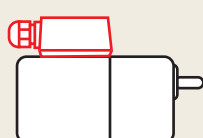
• Brackets for Speed Controller Included



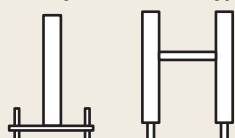
• Post-Assembly Insertion Nuts Included



• Motor with Terminal Box

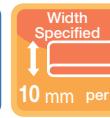


• Conveyor Stand I • H Type



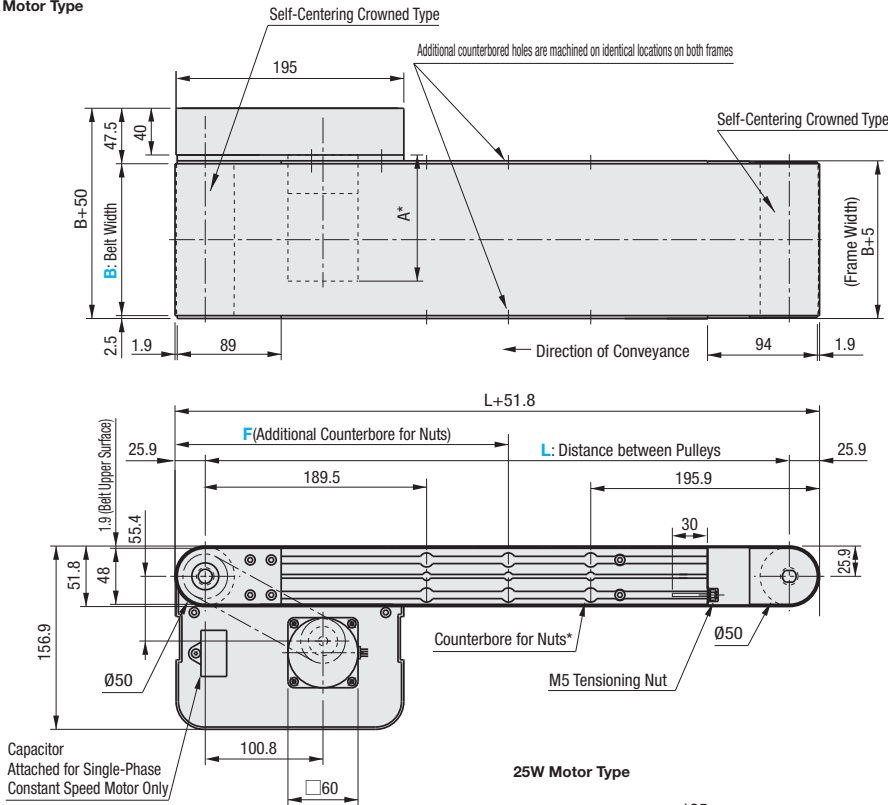
Alteration ▶ P.74~



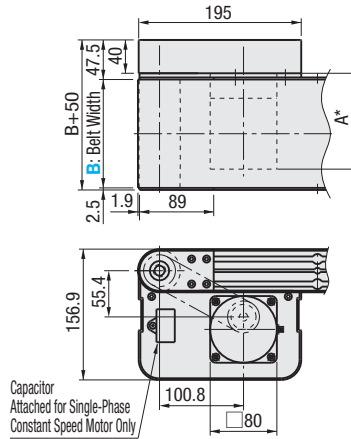


## CVSFB (CVSFD drawings check e-catalog page)

6W Motor Type

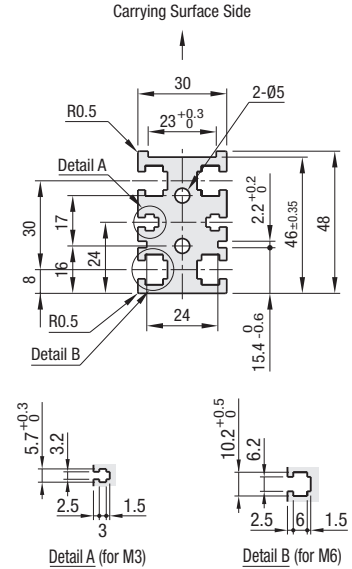


25W Motor Type



- \*When  $L \leq 415$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.
- ① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.
- ② The "Detail B" of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.

### Frame Cross Section and Enlarged View (Symmetrical)



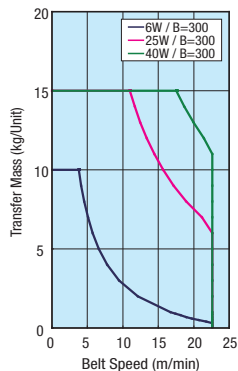
① Compatible with JIS standard hex nuts.

A Length		Motor		Reduction	Motor Length	
Output (W)	Specification	Manufacturer	Ratio		(A)	
6W	Constant Speed Motor	Panasonic	12.5-25	101.0		
			30-180	108.0		
			12.5-25	105.0		
		Oriental	30-180	115.0		
			12.5-75	114.7		
			90-180	120.7		
	Variable Speed Motor	Panasonic	12.5-25	111.0		
			30-180	118.0		
			12.5-25	115.0		
		Oriental	30-180	125.0		
			12.5-75	126.9		
			90-180	132.9		
25W	Constant Speed Motor	Panasonic	12.5-180	115.0		
			12.5-18	117.0		
			25-180	127.5		
		Taiwanese	12.5-75	129.0		
			90-180	136.0		
			Panasonic	12.5-180	125.0	
	Variable Speed Motor	Oriental	12.5-18	127.0		
			25-180	137.5		
			12.5-75	139.5		
		Taiwanese	90-180	146.5		
			Panasonic	12.5-180	142.0	
			Constant Speed Motor	Oriental	12.5-18	147.0
25-180	165.0					
12.5-75	161.6					
Taiwanese	90-180	170.6				
	Panasonic	12.5-180		152.0		
	Variable Speed Motor	Oriental		12.5-18	157.0	
25-180			175.0			
12.5-75			172.1			
Taiwanese		90-180	181.1			

### CVSFB

#### Conveying Capacity

\*Reference value (Differences arise in the transport speed by a belt)



#### Gearhead Reduction Ratio

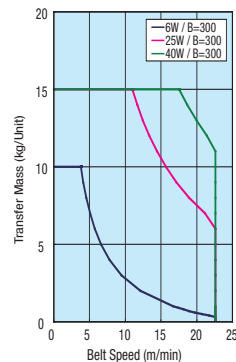
\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

### CVSFD

#### Conveying Capacity

\*Reference value (Differences arise in the transport speed by a belt)



#### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# CENTER DRIVE – Short Length Type Ø70 –

Minimum width 50 mm, minimum length 220 mm  
Suitable for confined spaces between processing machines

CE

Single-phase  
230V Limited

Meandering Prevention type

CVSJA



RoHS

Part Number	Width B 10 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection Ⓜ Prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSJA	50~300	220~600	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) O (Oil Resistant) N (Non-Stick Food Grade) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	Ⓜ 5~9 not applicable for 6W Motor	*For belts other than the above, please refer to P.100	R (No Motor, Gearhead)
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		

- Ⓜ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P.110.  
 Ⓜ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 Ⓜ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.  
 Ⓜ Note that warpage might occur on the guided belt depending on the number of plies (thickness).

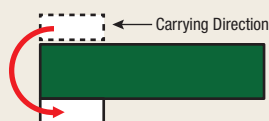
Order	Part Number		B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio			
	CVSJA	100	500	25	T100	IM	25	25	H	C	( - MP • SCB • ANT6 )
"No belt"	CVSJA	100	500	25	T100	SCM	25	25	J	A	
"No Motor Gearheads"	CVSJA	100	500	25	NV	NM	NH	NH	H	R	

Compatible Table ▶ P.124

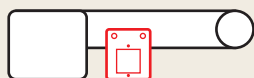


Alteration

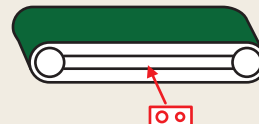
• Motor Position Reversed



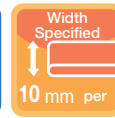
• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included

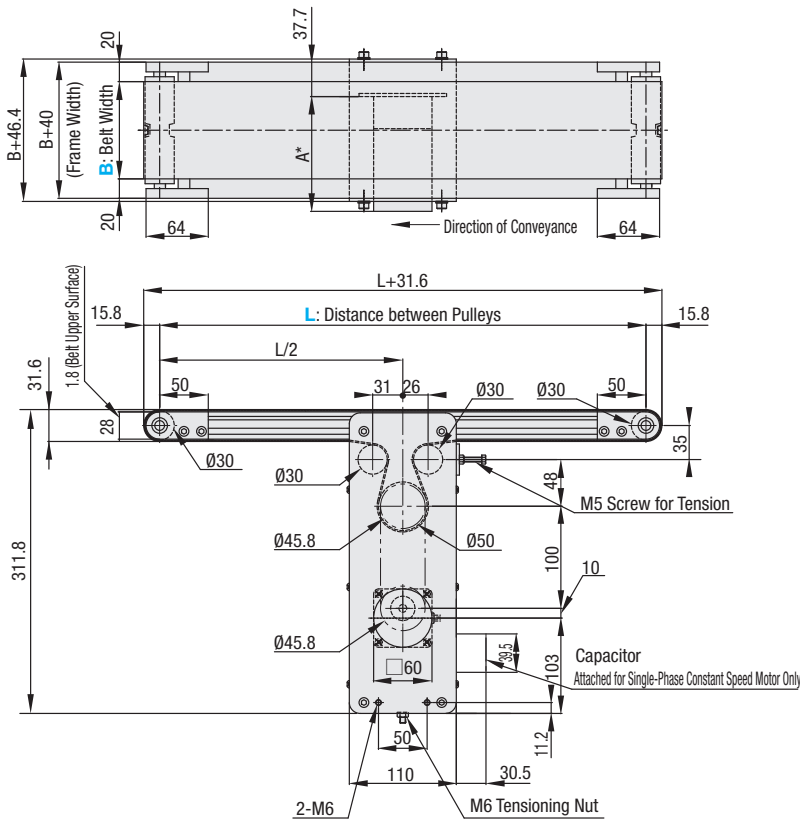


Alteration ▶ P.74~



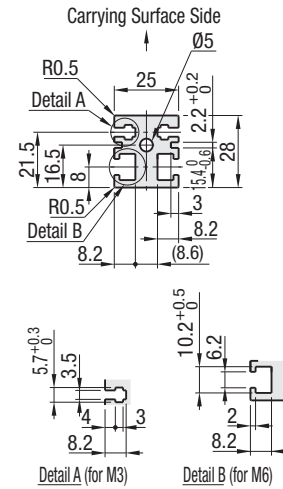
## CVSJA

### 6W Motor Type



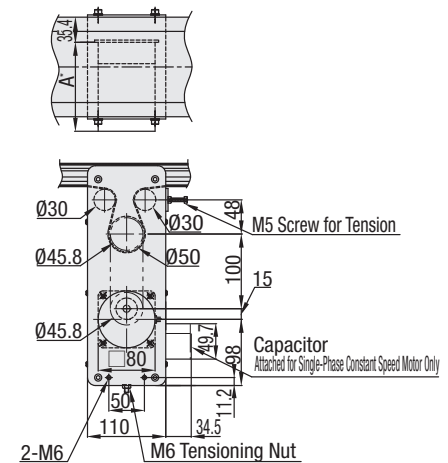
① The dimensions in the diagram are for Belt Specifications H (0.8 mm thick.). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.

### Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

### 25W Motor Type

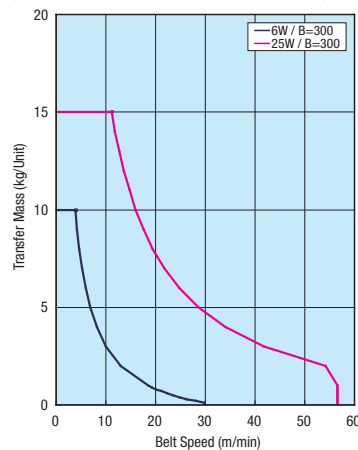


### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
6W	Constant Speed Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
	Variable Speed Motor		30~180	115.0
		Taiwanese	12.5~75	117.0
			90~180	124.0
		Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
25W	Constant Speed Motor		30~180	125.0
		Taiwanese	12.5~75	129.4
			90~180	136.4
		Panasonic	5~180	115.0
			5~18	117.0
		Oriental	25~180	127.5
	Variable Speed Motor		5~75	129.0
		Taiwanese	90~180	136.0
		Panasonic	5~180	125.0
			5~18	127.0
		Oriental	25~180	137.5
		Taiwanese	5~75	139.5
			90~180	146.5

### Conveying Capacity

\*Reference value (Differences arise in the transport speed by a belt)



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# BUILT-IN DRIVE – Selectable Width Ø70 –

## Built-in motor

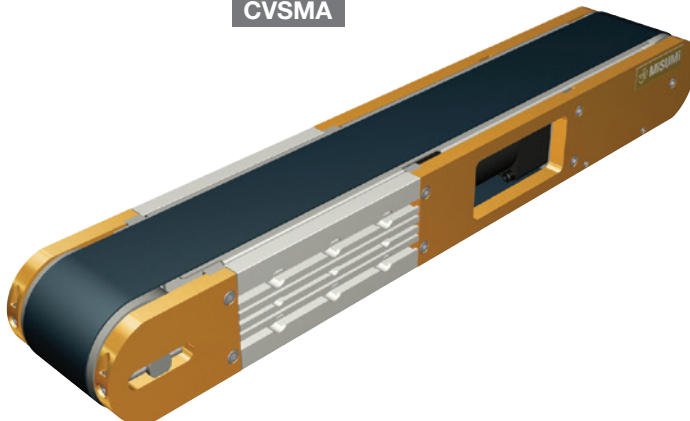
The perfect conveyor adaptable to any location and application

CE

Single-phase  
230V Limited

Crown type

CVSMA




RoHS

Part Number	Width B (mm)	Length L 5 mm Increment	Output (W)	Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores) 5 mm Increment	Motor Manufacturer Selection
CVSMA	60 100 150	415–2000	6	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor)  SCM (Variable Speed Motor)	15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade) O (Oil Resistant) N (Non-Stick Food Grade) J (No Belt)	380<F<L-100  *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor)
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)	*For belts other than the above, please refer to P. 100		R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram and motor details, see P. 110.

② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.



Order

Part Number

B

L

Motor

Output

Voltage

Specification

Gearhead Reduction Ratio

Belt Specification

F

Motor Manufacturer Selection

Alteration

CVSMA

60

660

6

T100

IM

36

H

F400

A

( - SCB • ANT6 )

"No belt"

CVSMA - 100 - 1000 - 6 - T100 - SCM - 25 - J - F400 - A

"No Motor Gearheads"

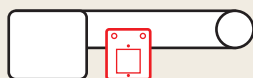
CVSMA - 100 - 1000 - 6 - NV - NM - NH - H - F400 - R

Compatible Table ▶ P.124

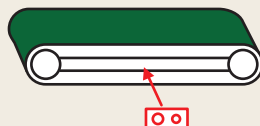


Alteration

• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included

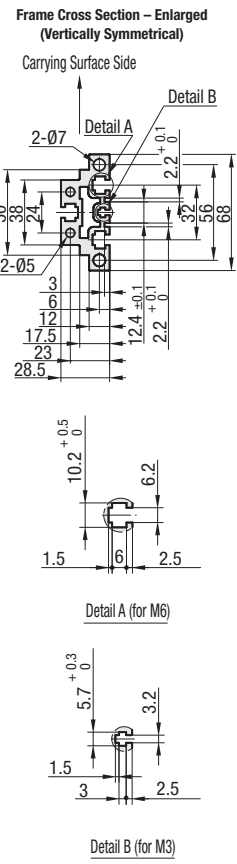
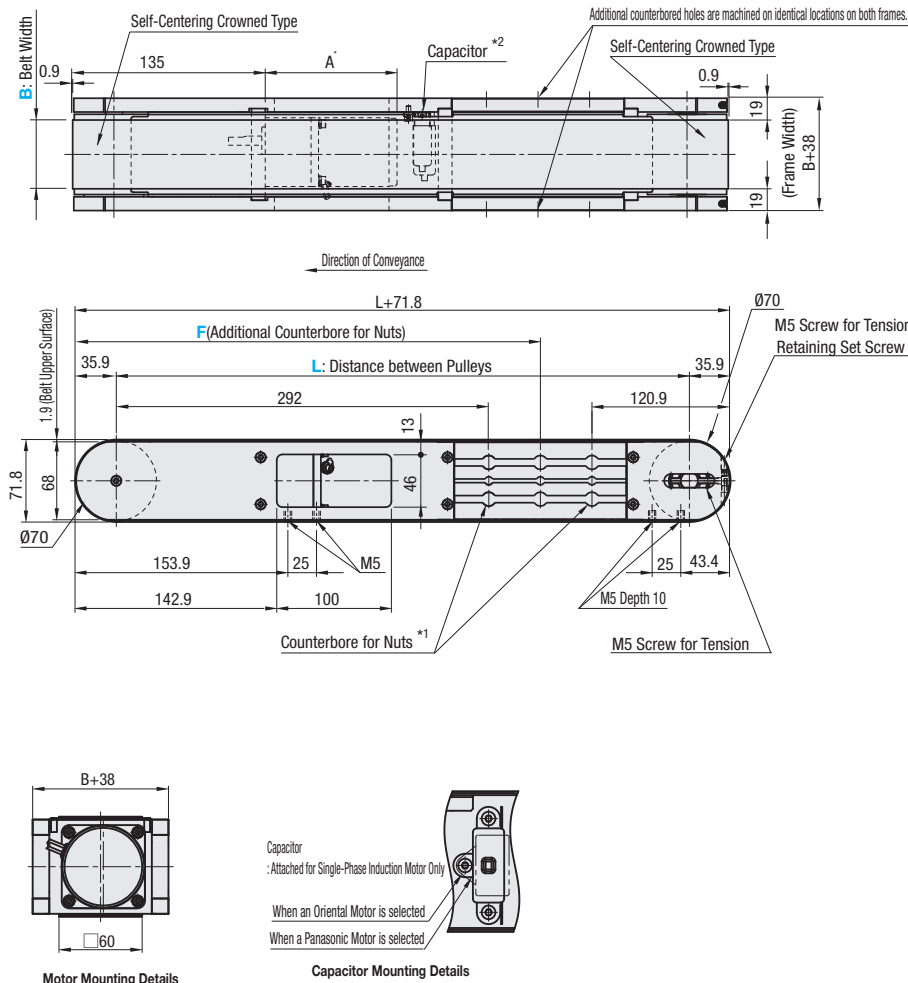


Alteration ▶ P.74~



## CVSMA

### 6W Motor Type



① Compatible with JIS standard hex nuts.

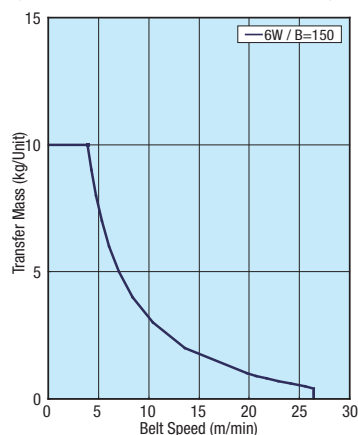
- \*1 When  $L \leq 15$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.
- \*2 Single-phase Constant Speed Motor only.
- ① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P. 96.

#### \*A Length

Specification	Motor Manufacturer	Reduction Ratio	Motor Length (A)
Constant Speed Motor	Panasonic	15-25	101.0
		30-180	108.0
	Oriental	15-18	105.0
		25-180	115.0
Variable Speed Motor	Panasonic	15-25	111.0
		30-180	118.0
	Oriental	15-18	115.0
		25-180	125.0

#### ■ Conveying Capacity

\*Reference value  
(Differences arise in the transport speed by a belt)



#### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
15	22.0	26.4
18	18.3	22.0
25	13.2	15.8
30	11.0	13.2
36	9.2	11.0
50	6.6	7.9
60	5.5	6.6
75	4.4	5.3
90	3.7	4.4
100	3.3	4.0
120	2.7	3.3
150	2.2	2.6
180	1.8	2.2

# BUILT-IN DRIVE – Variable Width Ø32 –

Extra-thin design featuring DC motor  
Ideal for narrow gaps and built-in applications

CE

Single-phase  
230V Limited

Crown type

CVSMB



RoHS

Part Number	Width B 10 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSMB	70~300	370~2000	3.5	DC24 (Direct Current)	SCM (Variable Speed) ND (No Motor Driver)	64 256	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) F (For Food Transfer) O (Oil Resistant) N (Non-adhesive) J (No Belt) *For belts other than the above, please refer to P.100	DA (TSUKASA ELECTRIC CO., LTD)
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor)

- ① When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions.  
 ② For motor manufacturer DA (TSUKASA ELECTRIC CO.,LTD), service life of gear head will be about 300h (reference value). Note that this is not suitable for conveyance over an extended period of time.  
 ③ Motor gear head generates noise of about 60~80dB (reference value). Please be aware of this when you use it in a quite environment.  
 ④ When the motor specification ND (no motor driver) is selected, note that the motor used for this conveyor will not be driven without motor driver. When SCM (variable speed) is selected, the motor driver will be included.  
 ⑤ If overload is applied to the motor shaft, the motor driver will stop the operation. When the operation of belt conveyor stops, please verify usage conditions.  
 ⑥ If you use the AC power supply (single-phase or 3-phase) to drive the conveyor, select SWR (switch mode power supply included) for alteration. For details of switch mode power supply, see P. 118.  
 ⑦ Since the appropriate tension is set to a looser level than that for other models, an uplift of belt may occur in some portion of the carrying surface when the belt thickness is thin. If a workpiece is extremely light, please be aware of this before selecting.  
 ⑧ For connection diagram, and details of motor and motor driver, see P. 119.

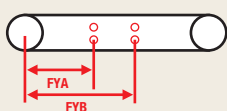
**Order**

Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
CVSMB	100	1000	3.5	DC24	SCM	256	H	DA	( - FYA • FYB • ANT6 • SWR )
"No belt"	CVSMB	100	1000	3.5	DC24	ND	256	H	DA
"No Motor Gearheads"	CVSMB	100	1000	3.5	NV	NM	NH	H	R

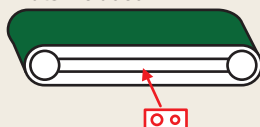
Compatible Table ▶ P.124

**Alteration**

• Additional Counterbores



• Post-Assembly Insertion Nuts Included

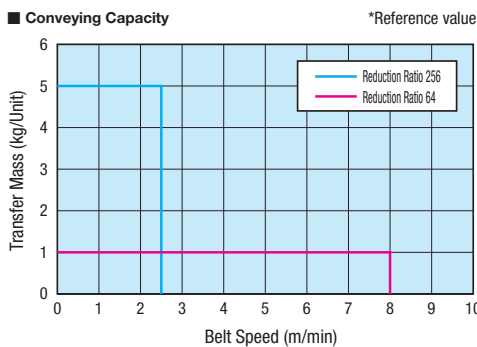
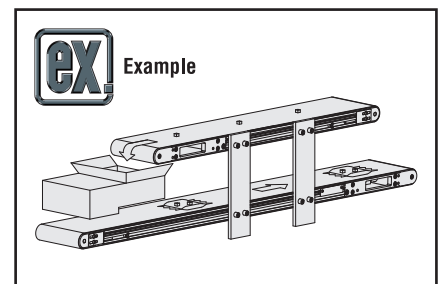
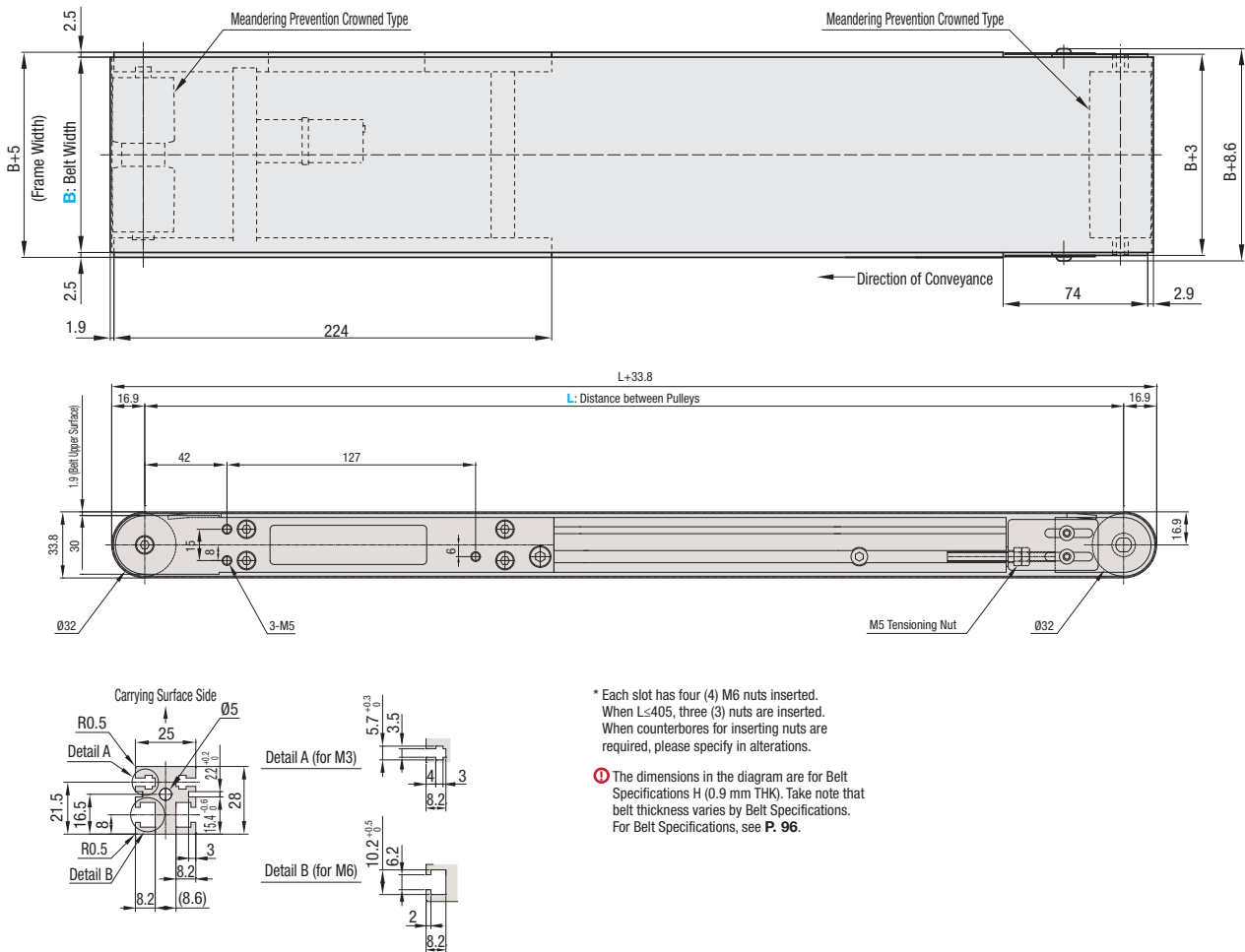


• Switch Mode Power Supply Included

ON / OFF

Alteration ▶ P.74~

# CVSMB



# CENTER DRIVE – Thin Type Ø15 –

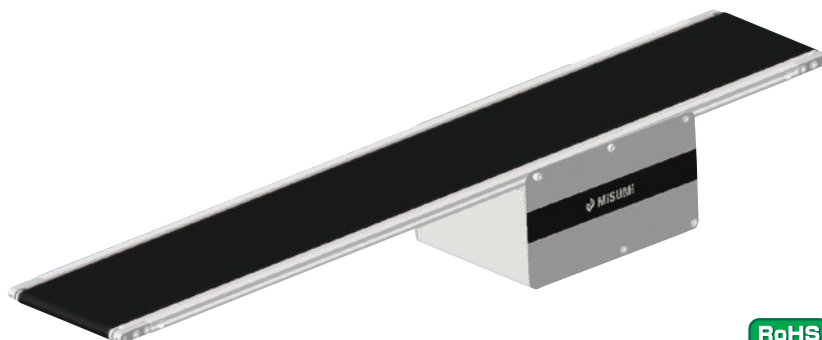
Ultra-thin frame (maximum thickness 16.6 mm)  
Designed for output from press machines and confined spaces

CE

Single-phase  
230V Limited

Crown type

CVLPA



RoHS



Optional Parts ▶ P.74~

Part Number	Width B 10 mm Increment	Length L 5 mm Increment	Motor				Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVLPA	50~200	390~2000	25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	HG (General Purpose, Green) DS (Static Conductive) OH (Oil Resistant) NS (Non-Stick Food Grade) J (No Belt)  *For belts other than the above, please refer to P. 100	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
			25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor)

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

**Order**

Part Number - B - L - Motor - Output - Voltage - Specification - Gearhead Reduction Ratio - Belt Specification - Motor Manufacturer Selection ( - Alteration )

CVLPA - 100 - 1000 - 25 - T100 - IM - 25 - H - C ( - MP - CW - SCB - ANT5 - NA - WA )

"No belt" CVLPA - 100 - 1000 - 25 - T100 - SCM - 25 - J - C

"No Motor Gearheads" CVLPA - 100 - 1000 - 25 - NV - NM - NH - HG - R

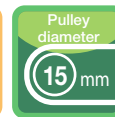
Compatible Table ▶ P.125

**Alteration**

- Specify Drive Section Position** ← Carrying Direction
- Motor Cover with Window**
- Brackets for Speed Controller Included**
- Post-Assembly Insertion Nuts Included**
- Conveyor Stand I • H Type**

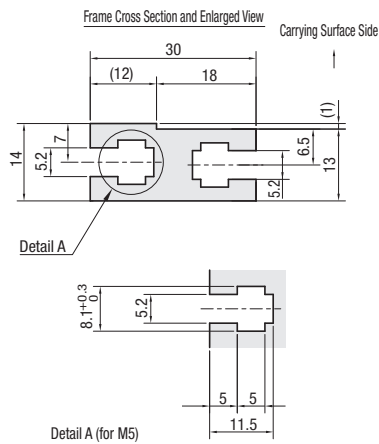
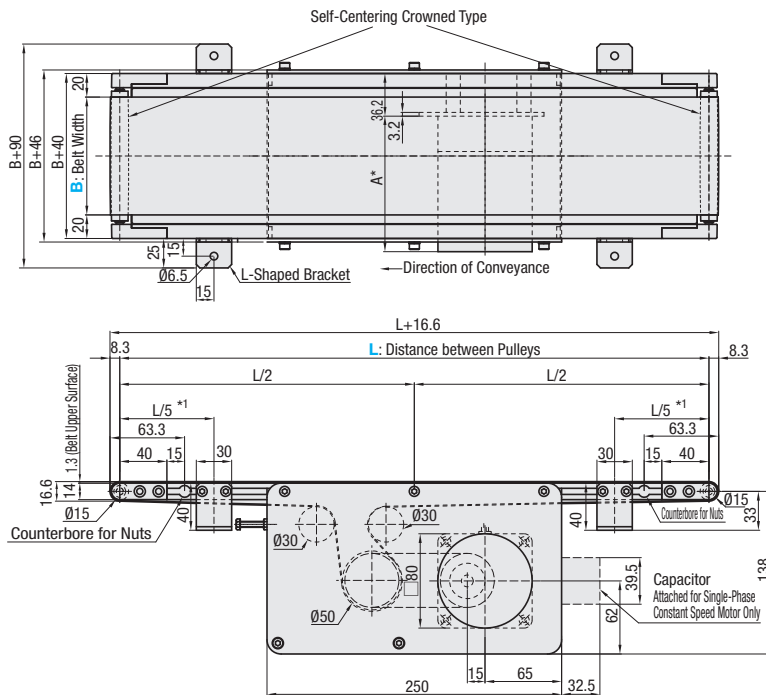
Alteration ▶ P.74~



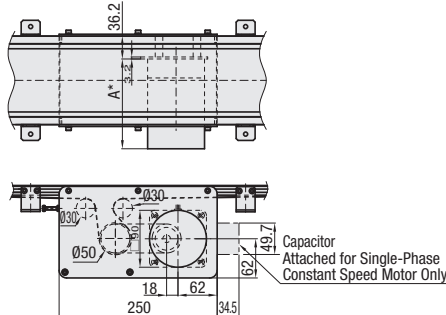


## CVLPA

### 25W Motor Type



### 40W Motor Type



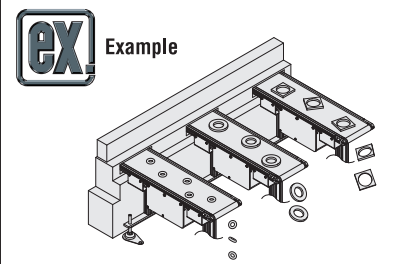
- ① When  $L \geq 1055$ , four (4) L-shaped brackets are attached to the positions indicated with \*1 to prevent deflection of belt conveyor. Make sure to install the conveyor so that load of the conveyor is sustained at the positions of the L-shaped brackets. If the load of the conveyor cannot be sustained by the L-shaped brackets, deflection may become larger, resulting in a functional problem.
- ① Note that even when the L-shaped brackets receive the load of the conveyor, some deflection (about 3 mm at most) will occur.
- ① If the dimensions of L-shaped bracket do not fit the conditions for installation, use the stand for a better arrangement.
- ① Attach L-shaped brackets so that a pitch between the bracket and the end pulley will not exceed 400 mm, and a pitch at the position where supports are provided on both ends, will not exceed 1200 mm in order to sustain the load.

\* Each slot has 4 pre-inserted nuts provided.

\* Capacitor is included with single-phase Constant Speed Motors only.

① The dimensions in the diagram are for Belt Specifications H (0.9 mm thick.). Take note that belt thickness varies by Belt Specifications.

For Belt Specifications, see P. 96.

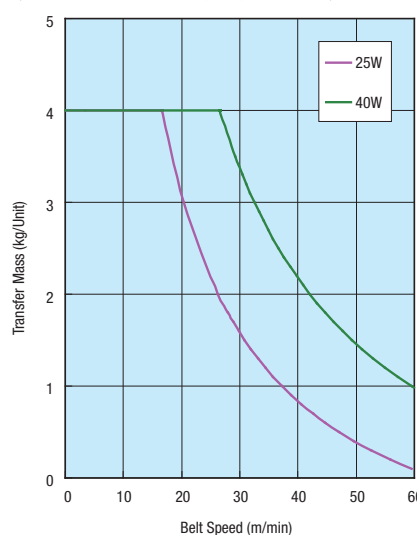


### \*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
25W	Constant Speed Motor	Panasonic Motor	5~180	115.0
		Oriental Motor	5~18	117.0
		Taiwanese Motor	25~180	127.5
		Taiwanese Motor	5~75	129.0
	Variable Speed Motor	Panasonic Motor	90~180	136.0
		Panasonic Motor	5~180	125.0
		Oriental Motor	5~18	127.0
		Taiwanese Motor	25~180	137.5
40W	Constant Speed Motor	Taiwanese Motor	5~75	139.5
		Taiwanese Motor	90~180	146.5
	Variable Speed Motor	Panasonic Motor	5~180	142.0
		Oriental Motor	5~18	147.0
		Taiwanese Motor	25~180	165.0
		Taiwanese Motor	5~75	161.6
	Constant Speed Motor	Panasonic Motor	90~180	170.6
		Panasonic Motor	5~180	152.0
	Variable Speed Motor	Oriental Motor	5~18	157.0
		Taiwanese Motor	25~180	175.0
		Taiwanese Motor	5~75	172.1
		Taiwanese Motor	90~180	181.1

### Conveying Capacity

\*Reference value  
(Differences arise in the transport speed by a belt)



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# HEAD DRIVE – Motor Mount Position Selection Type Ø30 –

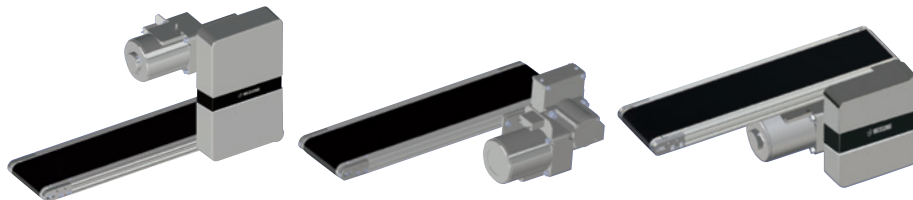
**Direct shaft gear head design allows greater flexibility with motor placement**  
**Motor can be located above, below or next to the conveyor surface**

Crown type

CVMA

Meandering Prevention type

CVMB



RoHS




With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number		B	L	Motor				Belt Specification	Motor Manufacturer Selection
Type	Motor Mounting Position	10 mm Increment	5 mm Increment	Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVMA	TM1 SM1 BM1 TM2 SM2 TM3 SM3 BM3 TM4 SM4 BM4 TM5 SM5	50~300	200~2000	25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (Static Conductive) F (Food Grade, White) O (Oil Resistant, Navy Blue) N (Non-Stick Food Grade, White) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) ⊗ When output is 25, Panasonic Motor is not applicable.
	*For details, see Motor Mounting Position Selection Table.				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
CVMB					NV (No Motor)	NM (No Motor)	NH (No Gearhead)	*For other belt specifications, please refer to P. 100	R (No Motor)

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.
- ② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.
- ③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.
- ④ A worm gear is used for orthogonal shaft gear head. Note, therefore, the motor cannot be rotated from the belt side for maintenance work, etc.

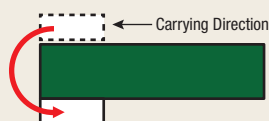
	Order												
	Part Number		B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration		
	TYPE	Motor mount position			Output	Voltage	Specification	Gearhead Reduction Ratio					
	CVMB	TM1	100	1000	25	T100	IM	25	H	A	( - MK • FYA • FYB • CW • SCB • ANT6 • TBM • NA • WA • NK • WK )		
"No Motor Gearheads"	CVMB	TM5	100	1000	25	NV	NM	NH	H	R			

Compatible Table ▶ P.125

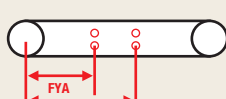


Alteration

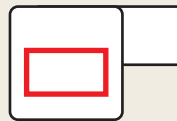
• Motor Position Reversed



• Additional Counterbores



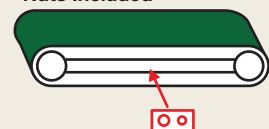
• Motor Cover with Window



• Brackets for Speed Controller Included



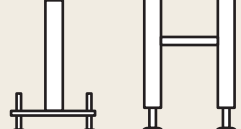
• Post-Assembly Insertion Nuts Included



• Motor with Terminal Box



• Conveyor Stand I • H Type



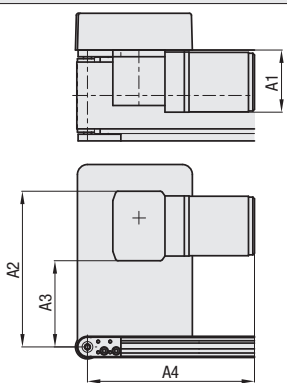
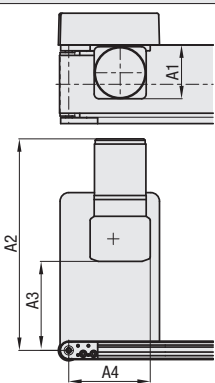
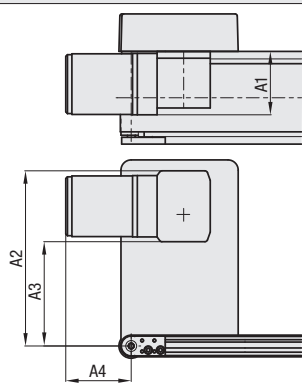
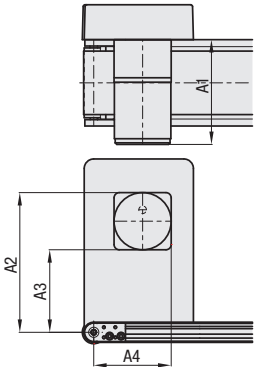
Alteration ▶ P.74~



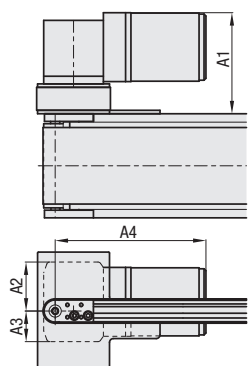
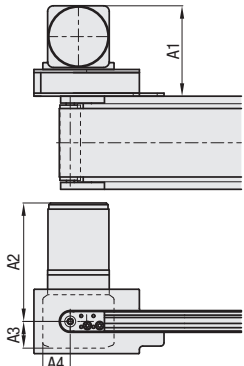
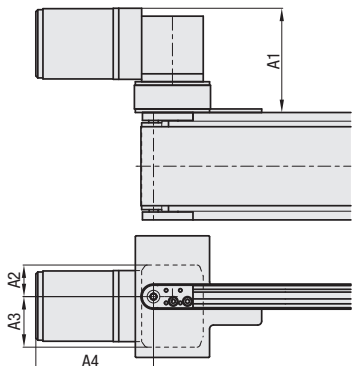
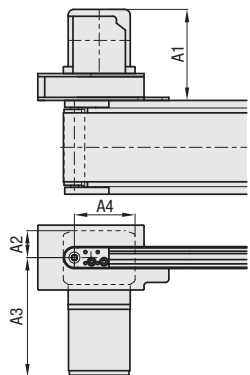
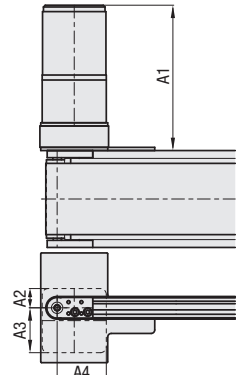
# HEAD DRIVE – Motor Mount Position Selection Type Ø30 –

## ■ Flat Belt Conveyors – Motor Mounting Position Selectable: Motor Mounting Dimensions

### Top Mount -TM-

TM1	TM2	TM3
		
TM5		
		

### Side Mount -SM-

SM1	SM2	SM3
		
SM4	SM5	
		

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

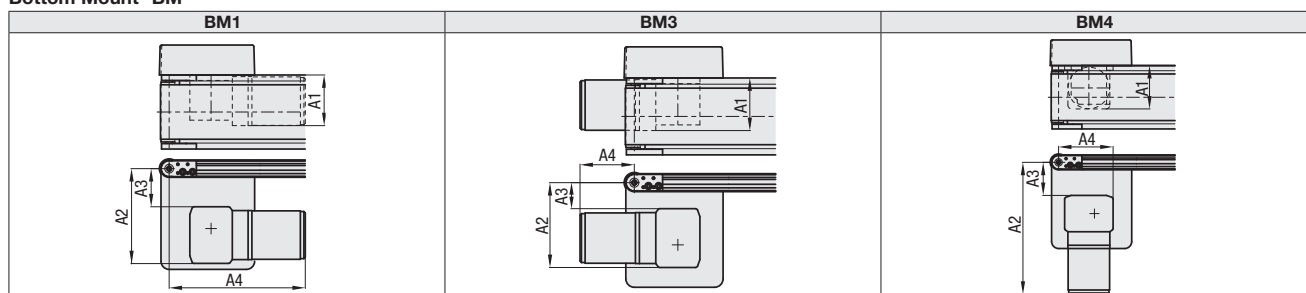
Alteration & Option

Belt

Technical Data

Compatible table

## Bottom Mount -BM-



## ■ Motor Mounting Dimensions

Mount Type	Output	Motor Specification	Manufacturer	Reduction Ratio	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>
TM1	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	227.0	129.0	223.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	227.0	129.0	233.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	256.0	160.0	269.0
			Oriental Motor	5~18 25~180	93.0	233.0	129.0	250.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	256.0	160.0	279.0
			Oriental Motor	5~18 25~180	93.0	233.0	129.0	260.0
TM2	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	339.0	156.0	141.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	349.0	156.0	141.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	385.0	148.0	110.0
			Oriental Motor	5~18 25~180	93.0	366.0	154.0	141.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	395.0	148.0	110.0
			Oriental Motor	5~18 25~180	93.0	376.0	154.0	141.0
TM3	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	257.0	159.0	69.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	257.0	159.0	79.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	226.0	130.0	115.0
			Oriental Motor	5~18 25~180	93.0	257.0	153.0	96.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	226.0	130.0	125.0
			Oriental Motor	5~18 25~180	93.0	257.0	153.0	106.0
TM5	25W	Constant Speed Motor	Panasonic Motor	5~180	115.0	218.0	138.0	117.0
			Oriental Motor	5~18 25~180	117.0	218.0	138.0	117.0
		Variable Speed Motor	Panasonic Motor	5~180	125.0	218.0	138.0	117.0
			Oriental Motor	5~18 25~180	127.0	218.0	138.0	117.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	142.0	220.0	130.0	122.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	147.0	220.0	130.0	122.0
	25W	Constant Speed Motor	Panasonic Motor	5~180	152.0	220.0	130.0	122.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	157.0	220.0	130.0	122.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	142.0	220.0	130.0	122.0
			Oriental Motor	5~18 25~180	147.0	220.0	130.0	122.0
		Variable Speed Motor	Panasonic Motor	5~180	152.0	220.0	130.0	122.0
			Oriental Motor	5~18 25~180	157.0	220.0	130.0	122.0

Mount Type	Output	Motor Specification	Manufacturer	Reduction Ratio	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>
BM1	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	174.0	76.0	223.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	174.0	76.0	233.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	143.0	47.0	269.0
			Oriental Motor	5~18 25~180	93.0	174.0	70.0	250.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	143.0	47.0	279.0
			Oriental Motor	5~18 25~180	93.0	174.0	70.0	260.0
BM3	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	144.0	46.0	69.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	144.0	46.0	79.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	173.0	77.0	115.0
			Oriental Motor	5~18 25~180	93.0	150.0	46.0	96.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	173.0	77.0	125.0
			Oriental Motor	5~18 25~180	93.0	150.0	46.0	106.0
BM4	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	83.0	256.0	73.0	111.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	83.0	266.0	73.0	111.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	93.0	302.0	65.0	140.0
			Oriental Motor	5~18 25~180	93.0	283.0	71.0	117.0
		Variable Speed Motor	Panasonic Motor	5~180	93.0	312.0	65.0	140.0
			Oriental Motor	5~18 25~180	93.0	293.0	71.0	117.0

Mount Type	Output	Motor Specification	Manufacturer	Reduction Ratio	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>
SM1	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	122.0	64.0	34.0	170.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	122.0	64.0	34.0	180.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	132.0	33.0	63.0	216.0
			Oriental Motor	5~18 25~180	132.0	64.0	40.0	197.0
		Variable Speed Motor	Panasonic Motor	5~180	132.0	33.0	63.0	226.0
			Oriental Motor	5~18 25~180	132.0	64.0	40.0	207.0
SM2	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	122.0	146.0	37.0	40.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	122.0	156.0	37.0	40.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	132.0	192.0	45.0	87.0
			Oriental Motor	5~18 25~180	132.0	173.0	39.0	64.0
		Variable Speed Motor	Panasonic Motor	5~180	132.0	202.0	45.0	87.0
			Oriental Motor	5~18 25~180	132.0	183.0	39.0	64.0
SM3	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	122.0	34.0	64.0	122.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	122.0	34.0	64.0	132.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	132.0	63.0	33.0	168.0
			Oriental Motor	5~18 25~180	132.0	40.0	64.0	149.0
		Variable Speed Motor	Panasonic Motor	5~180	132.0	63.0	33.0	178.0
			Oriental Motor	5~18 25~180	132.0	40.0	64.0	159.0
SM4	25W	Constant Speed Motor	Oriental Motor	5~18 25~180	122.0	37.0	146.0	88.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	122.0	37.0	156.0	88.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	132.0	45.0	192.0	57.0
			Oriental Motor	5~18 25~180	132.0	39.0	173.0	88.0
		Variable Speed Motor	Panasonic Motor	5~180	132.0	45.0	202.0	57.0
			Oriental Motor	5~18 25~180	132.0	39.0	183.0	88.0
SM5	25W	Constant Speed Motor	Panasonic Motor	5~180	154.0	25.0	55.0	64.0
			Oriental Motor	5~18 25~180	156.0	25.0	55.0	64.0
	40W	Variable Speed Motor	Panasonic Motor	5~180	164.0	25.0	55.0	64.0
			Oriental Motor	5~18 25~180	166.0	25.0	55.0	64.0
		Constant Speed Motor	Panasonic Motor	5~180	181.0	27.0	63.0	69.0
			Oriental Motor	5~18 25~180	186.0	27.0	63.0	69.0
	25W	Constant Speed Motor	Panasonic Motor	5~180	191.0	27.0	63.0	69.0
		Variable Speed Motor	Oriental Motor	5~18 25~180	196.0	27.0	63.0	69.0
	40W	Constant Speed Motor	Panasonic Motor	5~180	191.0	27.0	63.0	69.0
			Oriental Motor	5~18 25~180	196.0	27.0	63.0	69.0
		Variable Speed Motor	Panasonic Motor	5~180	204.0	27.0	63.0	69.0
			Oriental Motor	5~18 25~180	214.0	27.0	63.0	69.0



# HEAD DRIVE – Stainless Steel Belt Type Ø50 –

Hygienic stainless-steel belt keeps dust to a minimum

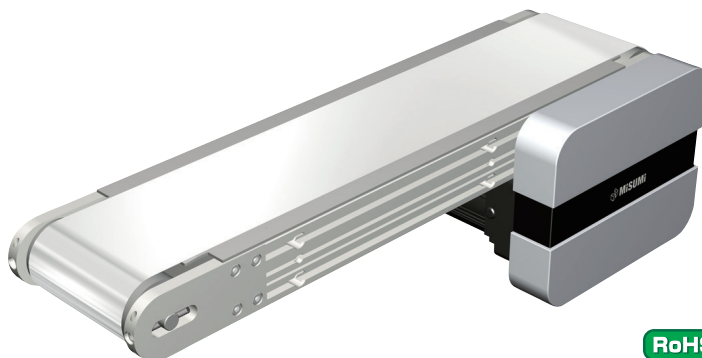
Flat and even conveyor surface with excellent heat resistance and electrical conductivity properties

CE

Single-phase  
230V Limited

Crown type

CVSSA



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~


Part Number	Width B 10mm Increment	Length L 5mm Increment	Output (W)	Voltage (V)	Motor Specification	Gearhead Reduction Ratio	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection ① The prices vary by manufacturer.
CVSSA	40~150	250~2000	6 25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	240<F<L-180 * When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25 40	(Three-Phase) SA200 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
			6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

① Rotating direction of the belt is the same as motor rotating direction when gear ratio is 25 or less, and the opposite when gear ratio is 30 or more.

② Since the belt thickness is 0.1mm, not suitable for accumulating conveyance. ③ For connection diagram and inverter details, see P.110.

④ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

⑤ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

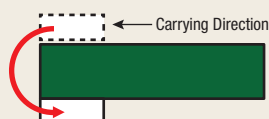
	Order	Part Number	-	B	-	L	-	Motor				-	F	-	Motor Manufacturer Selection	(	-	Alteration	)	
								Output	-	Voltage	-	Specification	-	Gearhead Reduction Ratio						
		CVSSA	-	100	-	1000	-	25	-	T100	-	IM	-	25	-	F500	-	A	-	MK • CW • SCB • ANT6 • TBM • NA • WA
		CVSSA	-	100	-	1000	-	25	-	NV	-	NM	-	NH	-	F300	-	R	-	

Compatible Table ▶ P.125

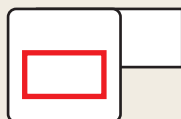


Alteration

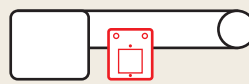
• Motor Position Reversed



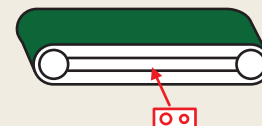
• Motor Cover with Window



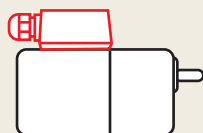
• Brackets for Speed Controller Included



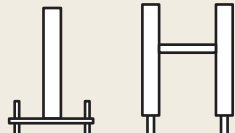
• Post-Assembly Insertion Nuts Included



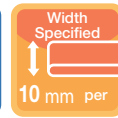
• Motor with Terminal Box



• Conveyor Stand I • H Type

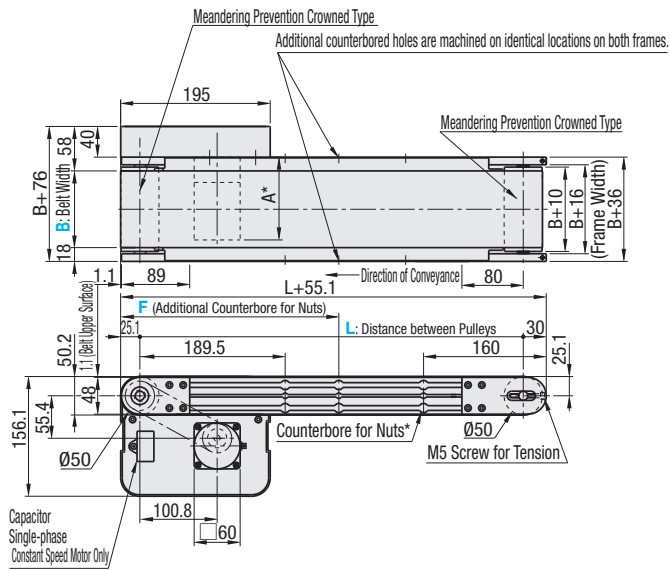


Alteration ▶ P.74~

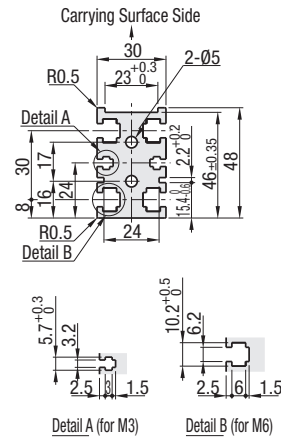


## CVSSA

### 6W Motor Type

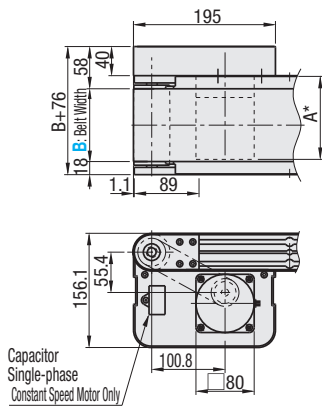


### Frame Cross Section and Enlarged View (Symmetrical)

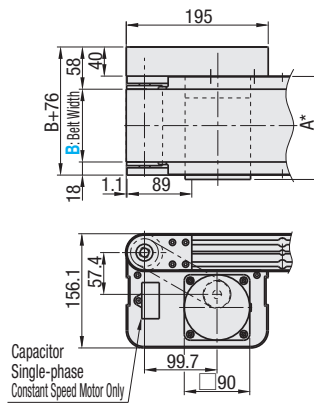


Ⓢ Compatible with JIS standard hex nuts.

### 25W Motor Type



### 40W Motor Type



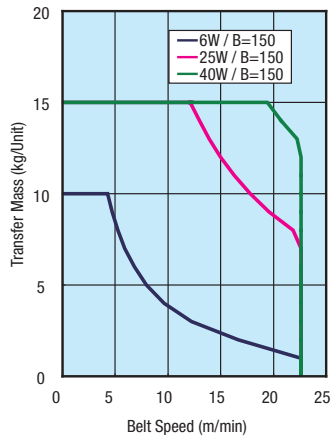
\*When  $L \leq 405$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.

### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
6W	Constant Speed Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
			30~180	115.0
		Taiwanese	12.5~75	120.0
			90~180	127.0
	Variable Speed Motor	Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
			30~180	125.0
		Taiwanese	12.5~75	126.9
			90~180	132.9
25W	Constant Speed Motor	Panasonic	12.5~18	115.0
			25~180	117.0
		Oriental	12.5~18	127.5
			25~180	127.5
		Taiwanese	12.5~75	129.0
			90~180	136.0
	Variable Speed Motor	Panasonic	12.5~180	125.0
			12.5~18	127.0
		Oriental	25~180	137.5
			12.5~75	139.5
		Taiwanese	90~180	146.5
			12.5~180	142.0
40W	Constant Speed Motor	Panasonic	12.5~18	147.0
			25~180	165.0
		Oriental	12.5~75	164.6
			90~180	173.6
		Panasonic	12.5~180	152.0
			12.5~18	157.0
	Variable Speed Motor	Oriental	25~180	175.0
			12.5~75	175.1
		Taiwanese	90~180	184.1
			12.5~180	184.1

### ■ Conveying Capacity

\* Reference Value



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# HEAD DRIVE – Cleated Belt Type Ø50 –

Number of staves can be specified in accordance with design conditions  
Suitable for configurations involving inclines and partitions

CE

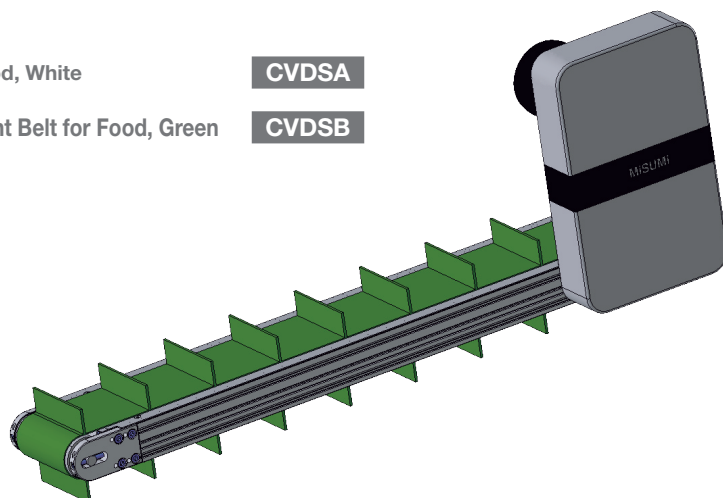
Single-phase  
230V Limited

Belt for Food, White

CVDSA

Oil Resistant Belt for Food, Green

CVDSB



RoHS

Part Number	Crosspiece Height H Selection	Width B (mm)	Length L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection ⓐ The prices vary by manufacturer.	Number of Crosspieces Specified in increments of 1
				Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio			
CVDSA (Belt for Food, White)	30	50	500~3000	40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	WS* (For Food, White)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)	ⓐ Please note that the crosspiece pitch is automatically calculated by dividing the perimeter by the number of crosspieces.
CVDSB (Oil Resistant Belt for Food, Green)		100			IM (Constant Speed Motor) INV (Induction Motor + Inverter)	NH (No Gearhead)				
		150								
		200								
		250								
300										
					NV (No Motor)	NM (No Motor)			R (No Motor, Gearhead)	

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110.  
 ② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 ③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.  
 ④ Installation must be done by two or more persons. Make sure to perform meandering adjustments again when using it on a slope. Using it without readjustments may cause meandering, resulting in a breakage to the belt.  
 ⑤ When the operation stops with a workpiece placed on the conveyor on a slope, the belt might rotate in reverse direction, which may cause the workpiece to fall. To avoid this, specify the motor with electromagnetic brake in alterations when using the conveyor on a slope. For details, see P. 117.  
 ⑥ Make sure to secure the stand with anchors when using the conveyor on a slope.  
 ⑦ When using the conveyor on a slope, the gradient must not exceed 30°.  
 ⑧ Belt may deflect up to about 50mm by its own weight.  
 \* The pitch for crosspieces is automatically determined by the specified number of pitches. Please note that pitches with decimal part will be considered as target dimensions.  
 \* Has obtained FDA Permission.

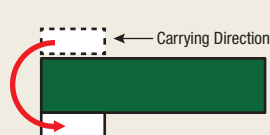
Order	Part Number	H	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Number of Crosspieces	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio				
	CVDSA	30	100	1000	40	T100	IM	25	WS	C	10	( - MK • FYA • FYB • ANT6 • BR • TBM • NA • WA • NK • WK )
"No belt"	CVDSA	30	100	1200	40	T100	IM	25	WS	C	17	
"No Motor Gearheads"	CVDSA	30	100	1000	40	NV	NM	NH	WS	R	10	

Compatible Table ▶ P.126

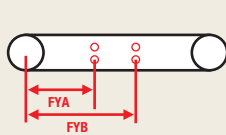


Alteration

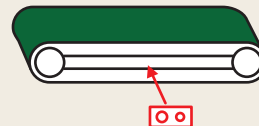
## • Motor Position Reversed



## • Additional Counterbores



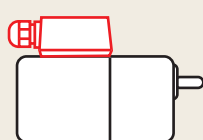
## • Post-Assembly Insertion Nuts Included



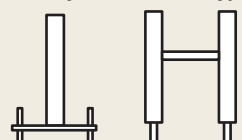
## • Motors with Electromagnetic Brake



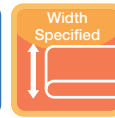
## • Motor with Terminal Box



## • Conveyor Stand I • H Type

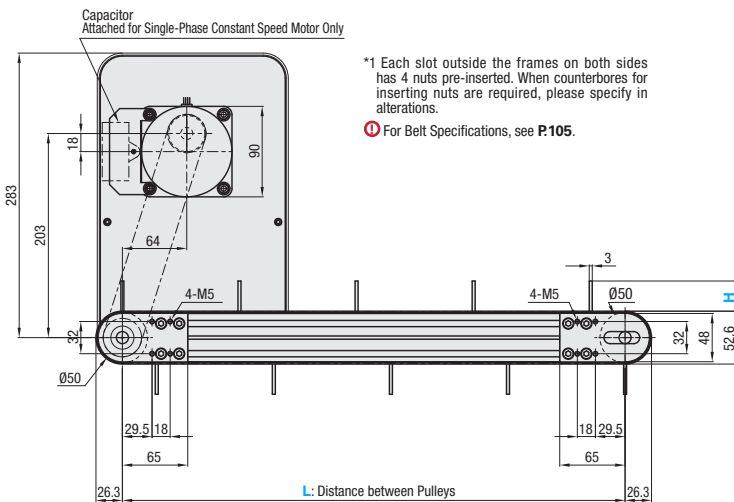
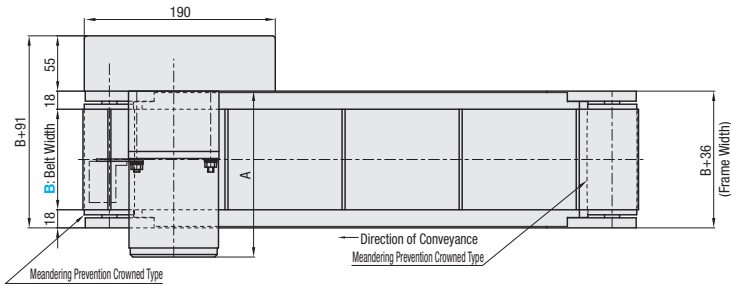


Alteration ▶ P.74~



**CVDSA** (Belt for Food, White)

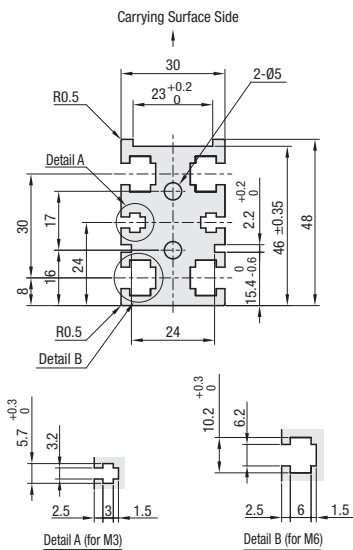
**CVDSB** (Oil Resistant Belt for Food, Green)



\*1 Each slot outside the frames on both sides has 4 nuts pre-inserted. When counterbores for inserting nuts are required, please specify in alterations.

For Belt Specifications, see P.105.

Frame Cross Section and Enlarged View (Symmetrical)

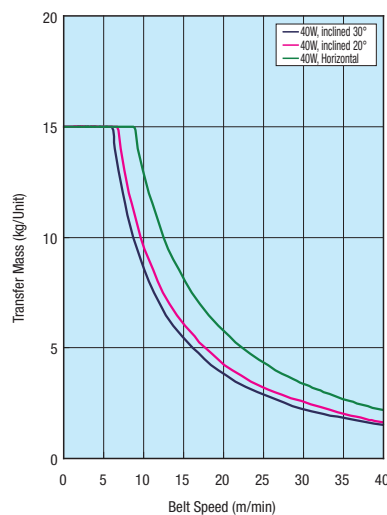


#### \*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
40W	Constant Speed Motor	Panasonic Motor	7.5~180	142.0
		Oriental Motor	7.5~18	147.0
			25~180	165.0
		Taiwanese Motor	7.5~75	161.6
			90~180	170.6
		Panasonic Motor	7.5~180	152.0
	Variable Speed Motor	Oriental Motor	7.5~18	157.0
			25~180	175.0
		Taiwanese Motor	7.5~75	172.1
			90~180	181.1

#### Conveying Capacity

\*Reference value (Differences arise in the transport speed by a belt)



#### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
7.5	31.4	37.7
9	26.2	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# HEAD DRIVE – Single Track Timing Belt Type Ø19/20 –

Narrow design is ideal for confined spaces and small work pieces  
Choice of 10-mm or 20-mm belt width

CE

Single-phase  
230V Limited

Timing Belt type

CVSTC



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm)	Length L 5mm Increment	Output (W)	Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores 5mm Increment)	Motor Manufacturer Selection
CVSTC	10 20	245~2000	6	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Translucent) S (For Sliding, Green) J (No Belt)	110<F<145 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)			R (No Motor, Gearhead)

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P.110. ② For belt details, see P.104.  
③ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
④ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

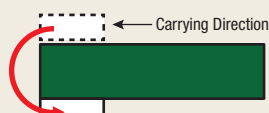
Order	Part Number	B	L	Motor	Output	Voltage	Specification	Gearhead Reduction Ratio	Belt Specification	F	Motor Manufacturer Selection	Alteration
	CVSTC	10	1000	6	T100	IM	25	H	F500	C		
"No belt"	CVSTC	20	1000	6	T100	IM	30	J	-	C		
"No Motor Gearheads"	CVSTC	10	1000	6	NV	NM	NH	H	F300	R		

Compatible Table ▶ P.126

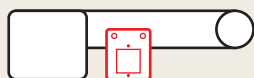


Alteration

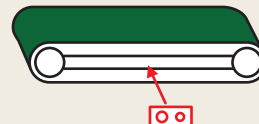
• Motor Position Reversed



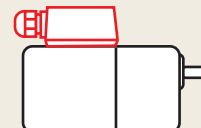
• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included

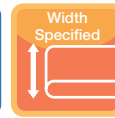


• Motor with Terminal Box

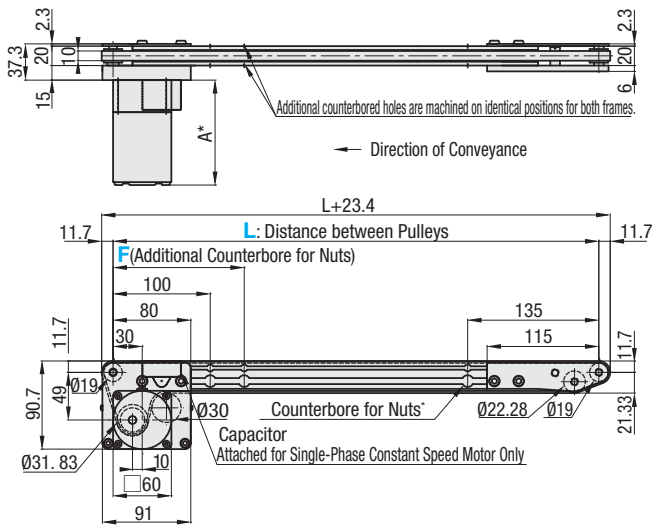


Alteration ▶ P.74~



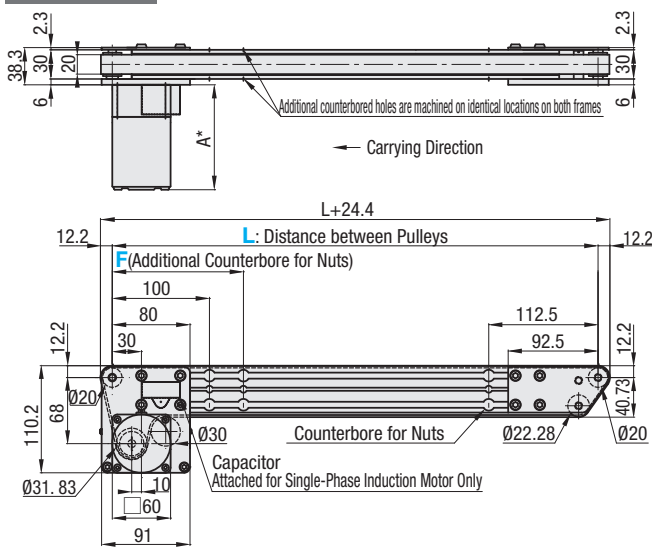


## CVSTC-10

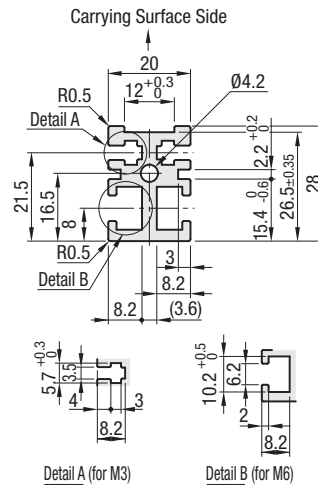


\*When  $L \leq 260$ , there will be no counterbored hole for nuts. However, each slot has 4 pre-inserted nuts provided.

## CVSTC-20

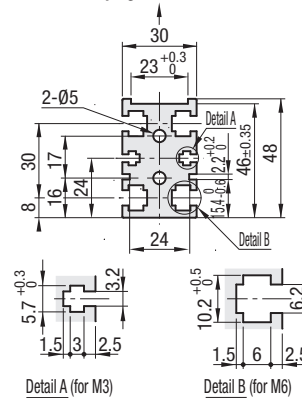


Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.

Carrying Surface Side



Compatible with JIS standard hex nuts.

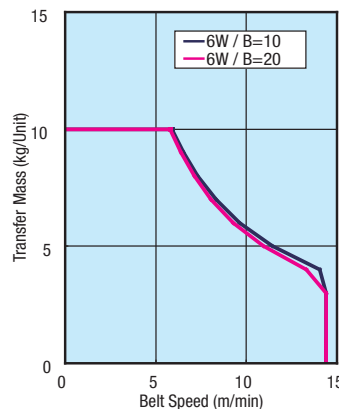
\*Timing Belts used are T5 Type (P.104 LTBRA, LTBJA). See product pages for details.

### \*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
			30~180	115.0
		Taiwanese	12.5~75	114.7
			90~180	120.7
	Variable Speed Motor	Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
			30~180	125.0
		Taiwanese	12.5~75	126.9
			90~180	132.9

### Conveying Capacity

\* Reference Value



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	12.0	14.4
15	10.0	12.0
18	8.3	10.0
25	6.0	7.2
30	5.0	6.0
36	4.2	5.0
50	3.0	3.6
60	2.5	3.0
75	2.0	2.4
90	1.7	2.0
100	1.5	1.8
120	1.3	1.5
150	1.0	1.2
180	0.8	1.0

# CENTER DRIVE – Single Track Timing Belt Type Ø19/20 –

**Narrow design allows for relocation of motor**  
**Choice of 10-mm or 20-mm belt width**

CE

Single-phase  
230V Limited

Timing Belt type

CVSTR



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B (mm)	Length L 5mm Increment	Output (W)	Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores 5mm Increment)	Motor Manufacturer Selection
CVSTR	10 20	330~2000	6	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90	H (General Purpose, Translucent) S (For Sliding, Green) J (No Belt)	110<F<110 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)			R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110. ② For belt details, see P. 104.  
 ③ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 ④ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

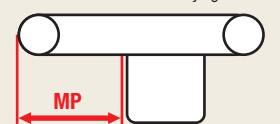
Order	Part Number	B	L	Motor	Output	Voltage	Specification	Gearhead Reduction Ratio	Belt Specification	F	Motor Manufacturer Selection	Alteration
	CVSTR	10	1000	6	T100	IM	25	H	F500	C		
"No belt"	CVSTR	20	400	6	T200	IM	15	J	-	A		
"No Motor Gearheads"	CVSTR	10	1000	6	NV	NM	NH	H	F300	R		

Compatible Table ▶ P.126

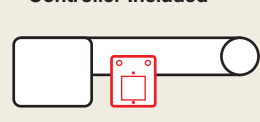


Alteration

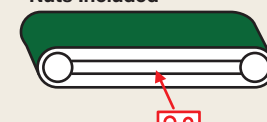
• Specify Drive Section Position ← Carrying Direction



• Brackets for Speed Controller Included



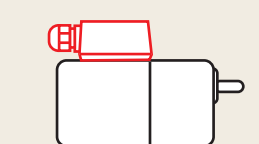
• Post-Assembly Insertion Nuts Included



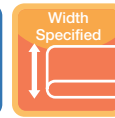
• Motors with Electromagnetic Brake



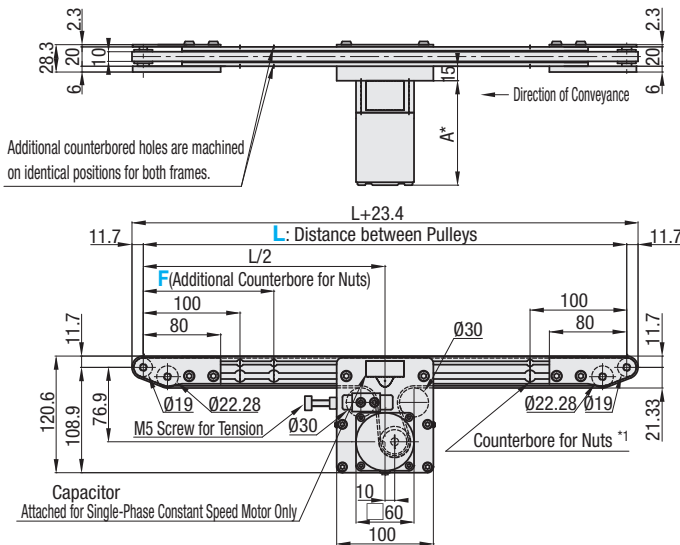
• Motor with Terminal Box



Alteration ▶ P.74~

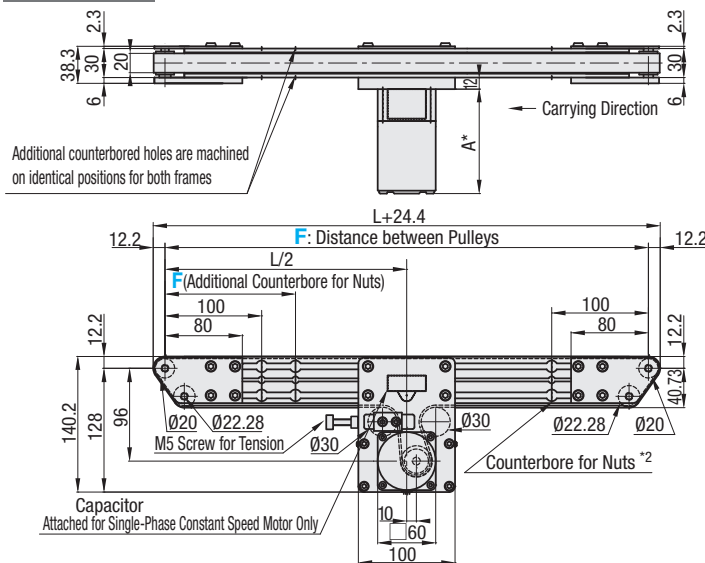


## CVSTR-10



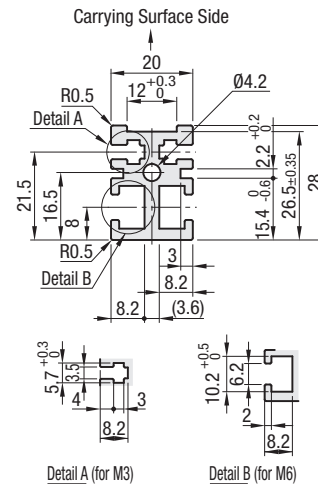
\*1 When  $L \leq 355$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.

## CVSTR-20



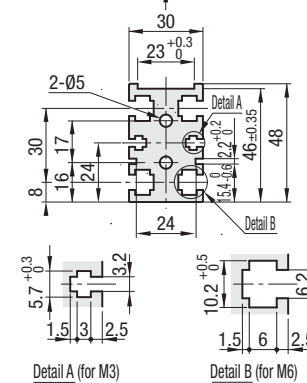
\*2 When  $L \leq 355$ , counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.

Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

Carrying Surface Side



① Compatible with JIS standard hex nuts.

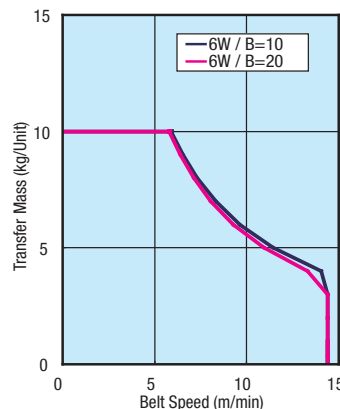
\*Timing Belts used are T5 Type (P.104 LTBRA, LTBJA). See product pages for details.

### \*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
			30~180	115.0
		Taiwanese	12.5~75	114.7
			90~180	120.7
	Variable Speed Motor	Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
			30~180	125.0
		Taiwanese	12.5~75	126.9
			90~180	132.9

### ■ Conveying Capacity

\* Reference Value



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	12.0	14.4
15	10.0	12.0
18	8.3	10.0
25	6.0	7.2
30	5.0	6.0
36	4.2	5.0
50	3.0	3.6
60	2.5	3.0
75	2.0	2.4
90	1.7	2.0
100	1.5	1.8
120	1.3	1.5
150	1.0	1.2
180	0.8	1.0

# HEAD DRIVE – Dual Track Timing Belt Type Ø30 –

Twin conveyor configuration is ideal for palettes and internal processes in automated lines  
Timing belt conveyor is simple to replace

CE

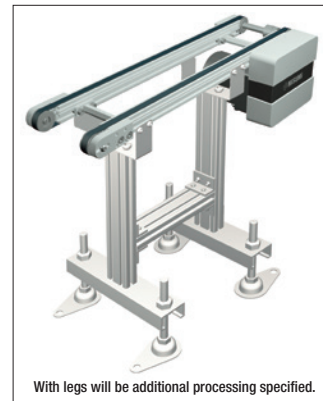
Single-phase  
230V Limited

Timing Belt type

CVGTA



RoHS



Optional Parts ▶ P.74~

Part Number	Width B 1mm Increment	Length L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection ① The prices vary by manufacturer
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVGTA	80~300	255~3000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	⊗5~9 not applicable for 6W Motor		
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P.110. ② For belt details, see P.104.  
③ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
④ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

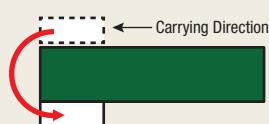
Order	Part Number		B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio			
	CVGTA	80	1360	6	T100	IM	50	5	S	A	( - MK • FYA • FYB • CW • SCB • )
"No belt"	CVGTA	100	1000	25	T100	IM	5	5	J	C	( ANT6 • TBM • NA • WA )
"No Motor Gearheads"	CVGTA	100	1000	25	NV	NM	NH	5	S	R	

Compatible Table ▶ P.126

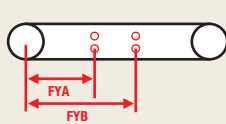


Alteration

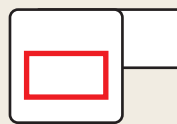
• Motor Position Reversed



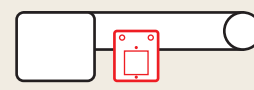
• Additional Counterbores



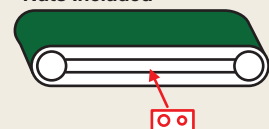
• Motor Cover with Window



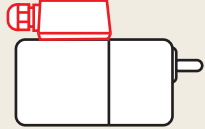
• Brackets for Speed Controller Included



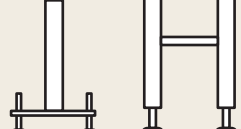
• Post-Assembly Insertion Nuts Included



• Motor with Terminal Box



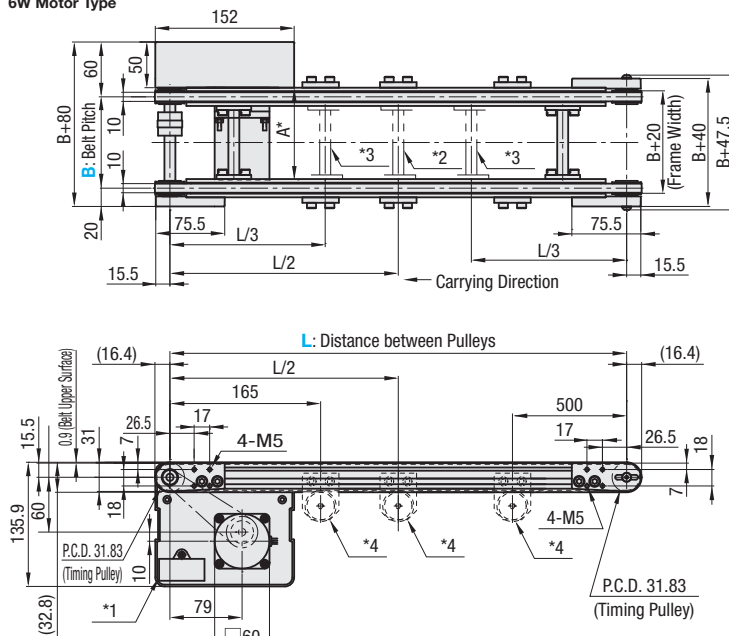
• Conveyor Stand I • H Type



Alteration ▶ P.74~

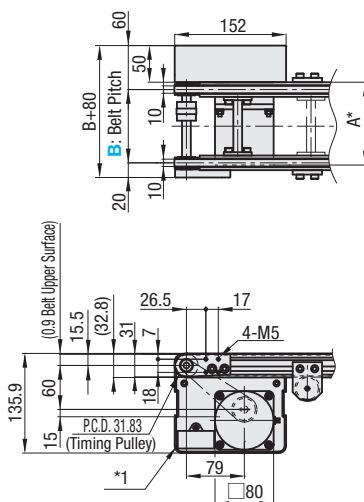
## CVGTA

### 6W Motor Type



\* When  $L \leq 355$ , each slot has 4 pre-inserted nuts provided.  
When counterbores for inserting nuts are required, please  
specify in alterations.

### 25W Motor Type

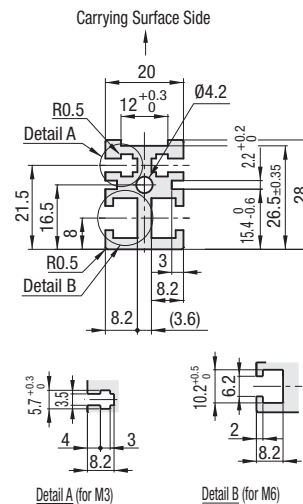


Note

- \*1 Capacitor: Installed on Single-Phase Constant Speed Motor Only
- \*2 When  $1005 \leq L \leq 2000$ , Joints mounted at these locations (1 place)
- \*3 When  $2005 \leq L \leq 3000$ , Joints mounted at these locations (2 places)
- \*4 Belt Support Roller: When  $2005 \leq L$ , mounted at these locations (3 places) (3 places)

\*Timing belts used is T5 Type (P. 104 LTBRA-T5100). See product pages for details.

### Frame Cross Section and Enlarged View (Symmetrical)



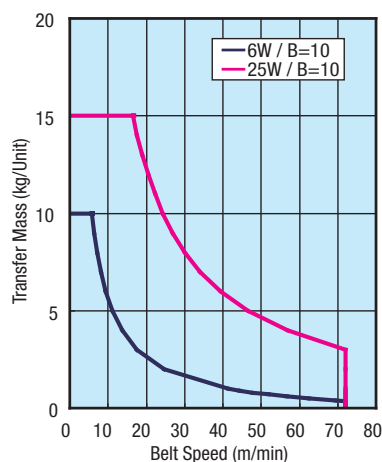
⚠ Compatible with JIS standard hex nuts.

\*A Length

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
			30~180	115.0
		Taiwanese	12.5~75	114.7
	90~180		120.7	
	Variable Speed Motor	Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
			30~180	125.0
Taiwanese		12.5~75	126.9	
	90~180	132.9		
25W	Constant Speed Motor	Panasonic	5~180	115.0
		Oriental	5~18	117.0
			25~180	127.5
		Taiwanese	5~75	129.0
	90~180		136.0	
	Variable Speed Motor	Panasonic	5~180	125.0
		Oriental	5~18	127.0
			25~180	137.5
		Taiwanese	5~75	139.5
90~180			146.5	

### ■ Conveying Capacity

\* Reference Value



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	60.0	72.0
7.5	40.0	48.0
9	33.3	40.0
12.5	24.0	28.8
15	20.0	24.0
18	16.7	20.0
25	12.0	14.4
30	10.0	12.0
36	8.3	10.0
50	6.0	7.2
60	5.0	6.0
75	4.0	4.8
90	3.3	4.0
100	3.0	3.6
120	2.5	3.0
150	2.0	2.4
180	1.7	2.0



# HEAD DRIVE – Dual Track Timing Belt Type Ø50 –

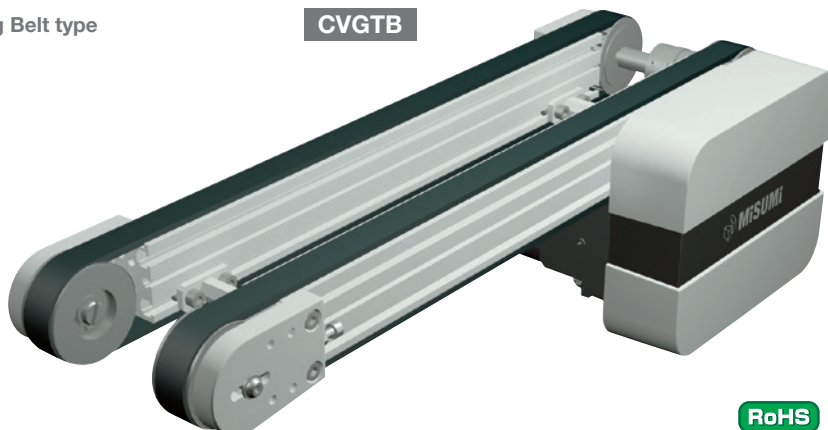
Twin conveyor configuration is ideal for palettes and internal processes in automated lines  
Triple-channel frame supports a variety of optional attachments

CE

Single-phase  
230V Limited

Timing Belt type

CVGTB




RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 1mm Increment	Length L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection																				
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		 The prices vary by manufacturer.																				
CVGTB	80~300	265~3000	25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	<table><tr><td>5</td><td>7.5</td><td>9</td><td>12.5</td><td>15</td></tr><tr><td>18</td><td>25</td><td>30</td><td>36</td><td>50</td></tr><tr><td>60</td><td>75</td><td>90</td><td>100</td><td>120</td></tr><tr><td>150</td><td>180</td><td></td><td></td><td></td></tr></table>	5	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180				S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				5	7.5		9	12.5	15																			
				18	25		30	36	50																			
60	75	90	100	120																								
150	180																											
(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)																											
NV (No Motor)	NM (No Motor)	NH (No Gearhead)	R (No Motor, Gearhead)																									

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110. ② For belt details, see P. 104.

② When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

③ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.



Order

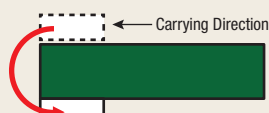
Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	Alteration
			Output	Voltage	Specification	Gearhead Reduction Ratio			
CVGTB - 160 - 880 - 25 - T200 - IM - 120 - S - B									( - MK • FYA • FYB • CW • SCB • ANT6 • TBM • NA • WA )
"No belt" CVGTB - 100 - 1000 - 25 - T100 - IM - 5 - J - C									
"No Motor Gearheads" CVGTB - 100 - 1000 - 25 - NV - NM - NH - S - R									

Compatible Table ▶ P.126

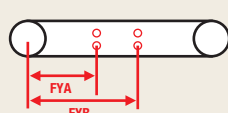


Alteration

• Motor Position Reversed



• Additional Counterbores



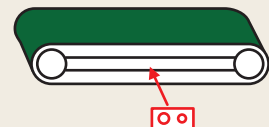
• Motor Cover with Window



• Brackets for Speed Controller Included



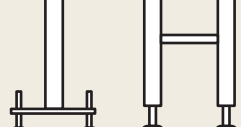
• Post-Assembly Insertion Nuts Included



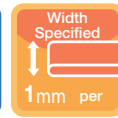
• Motor with Terminal Box



• Conveyor Stand I • H Type

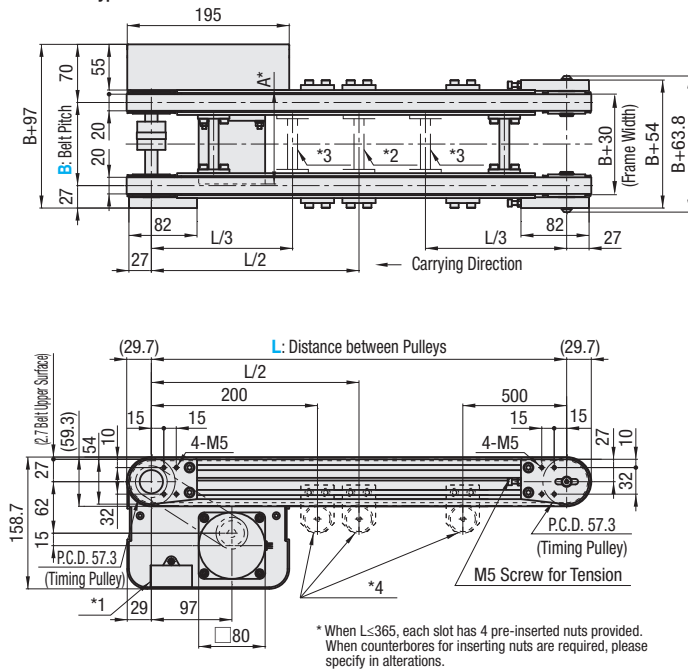


Alteration ▶ P.74~

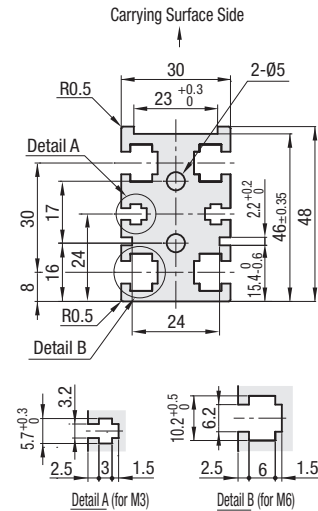


## CVGTB

### 25W Motor Type

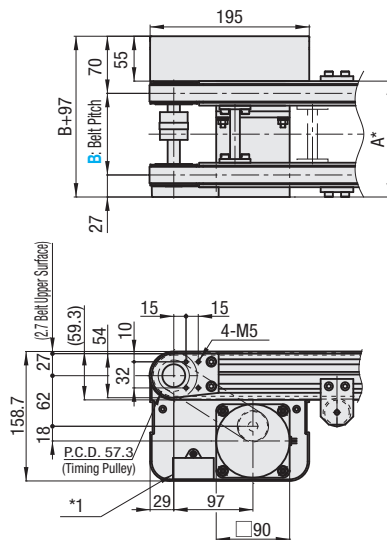


### Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.

### 40W Motor Type



#### Note

- \*1 Capacitor: Installed on Single-Phase Constant Speed Motor Only
- \*2 When  $1005 \leq L \leq 2000$ , Joints mounted at these locations (1 place)
- \*3 When  $2005 \leq L \leq 3000$ , Joints mounted at these locations (2 places)
- \*4 Belt Support Roller: When  $2005 \leq L$ , mounted at these locations (3 places)

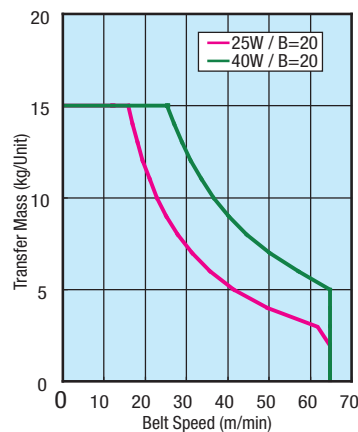
\*Timing belt used is T10 Type (P. 104 LTBRA-T10200). See product pages for details.

#### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
25W	Constant Speed Motor	Panasonic	5~180	115.0
			5~18	117.0
		Oriental	25~180	127.5
			5~75	129.0
	Variable Speed Motor	Taiwanese	90~180	136.0
			5~180	125.0
		Panasonic	5~18	127.0
			25~180	137.5
40W	Constant Speed Motor	Taiwanese	5~75	139.5
			90~180	146.5
		Panasonic	5~180	142.0
			5~18	147.0
		Oriental	25~180	165.0
			5~75	161.6
	Variable Speed Motor	Taiwanese	90~180	170.6
			5~180	152.0
		Panasonic	5~18	157.0
			25~180	175.0
		Oriental	5~75	172.1
			90~180	181.1

#### Conveying Capacity

\* Reference Value



#### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	54.0	64.8
7.5	36.0	43.2
9	30.0	36.0
12.5	21.6	25.9
15	18.0	21.6
18	15.0	18.0
25	10.8	13.0
30	9.0	10.8
36	7.5	9.0
50	5.4	6.5
60	4.5	5.4
75	3.6	4.3
90	3.0	3.6
100	2.7	3.2
120	2.3	2.7
150	1.8	2.2
180	1.5	1.8

# CENTER DRIVE – Dual Track Timing Belt Type Ø30 –

**Twin conveyor configuration is ideal for palettes and internal processes in automated lines**  
**Space-saving conveyor with built-in drive motor**

CE

Single-phase  
230V Limited

Timing Belt type

CVGTN



RoHS



With legs will be additional processing specified.


Optional Parts ▶ P.74~

Part Number	Width B 1mm Increment	Length L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection ① The prices vary by manufacturer.
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVGTN	80~300	265~3000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	② 5~9 not applicable for 6W Motor		
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P.110. ② For belt details, see P.104.

③ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.

④ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

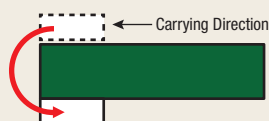
	Order	Part Number	-	B	-	L	-	Motor				-	Belt Specification	-	Motor Manufacturer Selection	(	-	Alteration	)
		Output	-	Voltage	-	Specification	-	Gearhead Reduction Ratio	-										
		CVGTN	-	90	-	980	-	6	-	T200	-	SCM	-	15	-	S	-	A	
"No belt"		CVGTN	-	100	-	1000	-	25	-	T100	-	IM	-	9	-	J	-	C	( - MP • FYA • FYB • SCB • ANT6 • BR • TBM • NA • WA
"No Motor Gearheads"		CVGTN	-	100	-	1000	-	25	-	NV	-	NM	-	NH	-	S	-	R	

Compatible Table ▶ P.127

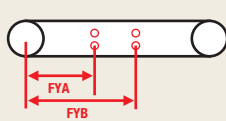


Alteration

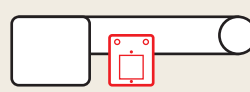
• Motor Position Reversed



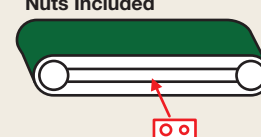
• Additional Counterbores



• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included



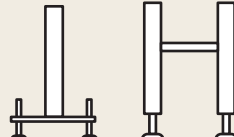
• Motors with Electromagnetic Brake



• Motor with Terminal Box



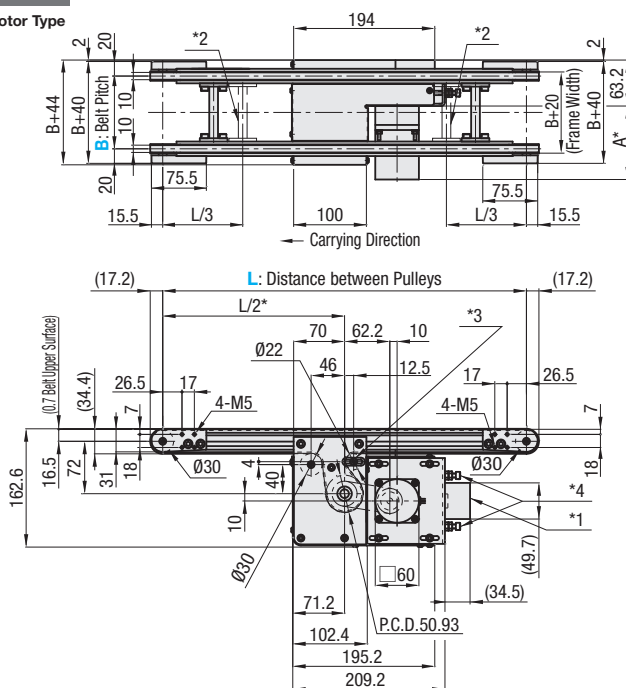
• Conveyor Stand I • H Type



Alteration ▶ P.74~

## CVGTN

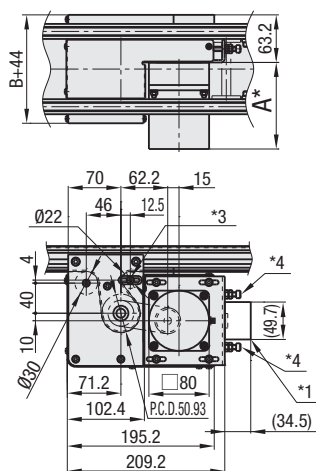
### 6W Motor Type



\* The drive section can be moved to a desired position within the aluminum extrusion slots.

\* When  $L \leq 365$ , each slot has 4 pre-inserted nuts provided.  
When counterbores for inserting nuts are required, please  
specify in alterations.

### 25W Motor Type



### Note

Note  
\*1 Capacitor: Installed on Single-Phase Constant  
Speed Motor Only

\*2 When  $2005 \leq L \leq 3000$ , Joints mounted at these

locations (2 places)

\*3 M5 Screw for Tension  
\*4 M6 Tensioning Screw

4 M6 Tensioning Screw

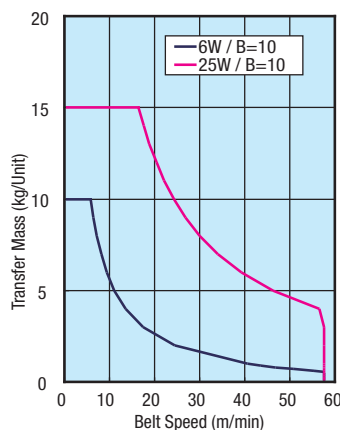
\*Timing Belts used are T5 Type (P.104, LTBRA-T5100~). See product pages for details.

**\*A Length**

Output (W)	Motor		Reduction Ratio	Motor Length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic	12.5-25	101.0
			30-180	108.0
		Oriental	12.5-25	105.0
			30-180	115.0
		Taiwanese	12.5-75	114.7
	90-180		120.7	
	Variable Speed Motor	Panasonic	12.5-25	111.0
			30-180	118.0
		Oriental	12.5-25	115.0
			30-180	125.0
Taiwanese		12.5-75	126.9	
25W	Constant Speed Motor	Panasonic	90-180	132.9
			5-180	115.0
		Oriental	5-18	117.0
			25-180	127.5
		Taiwanese	5-75	129.0
	90-180		136.0	
	Variable Speed Motor	Panasonic	5-180	125.0
		Oriental	5-18	127.0
			25-180	137.5
		Taiwanese	5-75	139.5
90-180			146.5	

### ■ Conveying Capacity

\* Reference Value



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	48.0	57.6
7.5	32.0	38.4
9	26.7	32.0
12.5	19.2	23.0
15	16.0	19.2
18	13.3	16.0
25	9.6	11.5
30	8.0	9.6
36	6.7	8.0
50	4.8	5.8
60	4.0	4.8
75	3.2	3.8
90	2.7	3.2
100	2.4	2.9
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# CENTER DRIVE – Dual Track Timing Belt Type Ø50 –

**Space-saving conveyor with built-in drive motor**  
**Triple-channel frame supports a variety of optional attachments**

CE

Single-phase  
230V Limited

Timing Belt type

CVGTP



RoHS



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 1mm Increment	Length L 5mm Increment	Output (W)	Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection ① The prices vary by manufacturer.
CVGTP	80~300	325~3000	25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)			
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

- ① Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P. 110. ② For belt details, see P. 104.  
 ③ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 ④ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

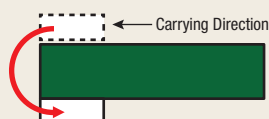
Order	Part Number	B	L	Motor	Output	Voltage	Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection	Alteration
	CVGTP	130	660	25	S200	IM	15	S	B		MP • FYA • FYB • SCB • ANT6 • BR • TBM • NA • WA
"No belt"	CVGTP	100	1000	25	T200	IM	18	J	B		
"No Motor Gearheads"	CVGTP	100	1000	25	NV	NM	NH	S	R		

Compatible Table ▶ P.127

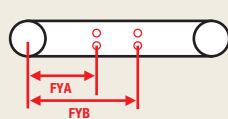


Alteration

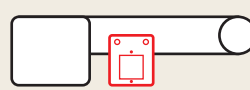
• Motor Position Reversed



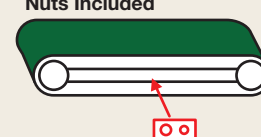
• Additional Counterbores



• Brackets for Speed Controller Included



• Post-Assembly Insertion Nuts Included



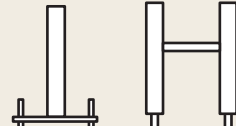
• Motors with Electromagnetic Brake



• Motor with Terminal Box

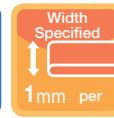


• Conveyor Stand I • H Type



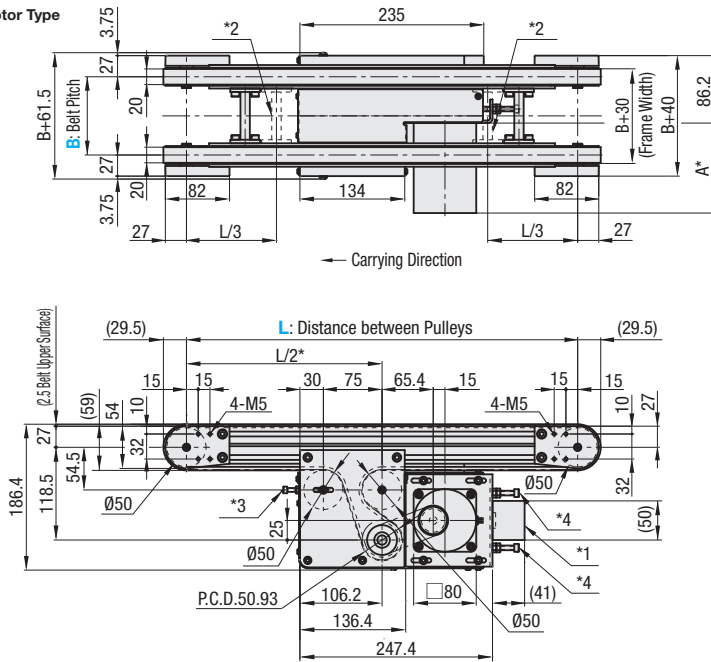
Alteration ▶ P.74~





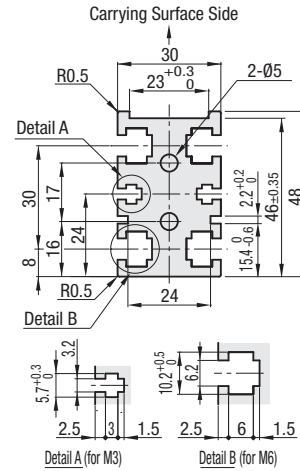
## CVGTP

### 25W Motor Type



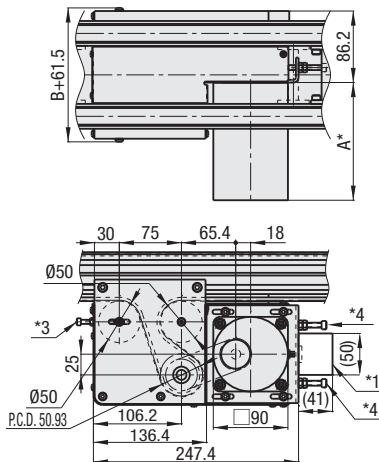
\*The drive section can be moved to a desired position within the aluminum extrusion slots.  
\*When  $L \leq 425$ , each slot has 4 pre-inserted nuts provided.  
When counterbores for inserting nuts are required, please specify in alterations.

### Frame Cross Section and Enlarged View (Symmetrical)



① Compatible with JIS standard hex nuts.

### 40W Motor Type



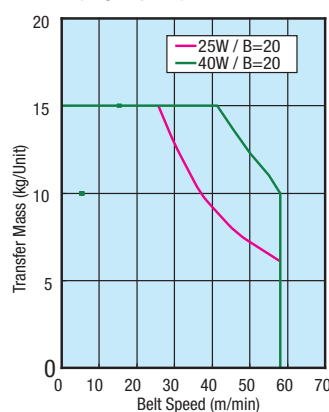
Note  
\*1 Capacitor: Installed on Single-Phase Constant Speed Motor Only  
\*2 When  $2005 \leq L \leq 3000$ , Joints mounted at these locations (2 places)  
\*3 M5 Screw for Tension  
\*4 M6 Tensioning Screw

\*Timing belts used is T10 Type (P 104 LTBR-T10200). See product pages for details..

### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor Length (A)
25W	Constant Speed Motor	Panasonic	5~180	115.0
		Oriental	5~18	117.0
			25~180	127.5
		Taiwanese	5~75	129.0
	Variable Speed Motor	Panasonic	90~180	136.0
			5~180	125.0
		Oriental	5~18	127.0
		Taiwanese	25~180	137.5
40W	Constant Speed Motor		5~75	139.5
			90~180	146.5
		Panasonic	5~180	142.0
		Oriental	5~18	147.0
			25~180	165.0
		Taiwanese	5~75	161.6
	Variable Speed Motor		90~180	170.6
		Panasonic	5~180	152.0
		Oriental	5~18	157.0
			25~180	175.0
		Taiwanese	5~75	172.1
			90~180	181.1

### ■ Conveying Capacity \* Reference Value



### ■ Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	48.0	57.6
7.5	32.0	38.4
9	26.7	32.0
12.5	19.2	23.0
15	16.0	19.2
18	13.3	16.0
25	9.6	11.5
30	8.0	9.6
36	6.7	8.0
50	4.8	5.8
60	4.0	4.8
75	3.2	3.8
90	2.7	3.2
100	2.4	2.9
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

# HEAD DRIVE – Single Row Plastic Chain Type Ø57 –

**Low-maintenance design—individual links can be replaced as necessary**  
**Plastic chain belt minimizes damage to work pieces**

CE

Single-phase  
230V Limited

Plastic Chain

CVSPC



RoHS

Part Number	Width B (mm)	Length L 5mm Increment	Motor				Plastic Chain Belt Specification	Motor Manufacturer Selection Ⓢ The prices vary by manufacturer.
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSPC	20	350~3000	6 25	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (Standard, White) D (Conductive, Black) L (Chemical Resistant, Mat White) E (Heat Resistant, Black) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)	ⓧ 5~9 not applicable for 6W Motor		
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

- Ⓢ Connect the motor so that the chain rotates in the direction of conveyance. For connection diagram, and details of motor and motor driver, see P. 110. Ⓢ For belt details, see P. 105.  
 Ⓢ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 Ⓢ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.  
 Ⓢ Since plastic chain is subject to abrasion and produces dust during use, it is not suitable for the use in the clean room. This, however, does not affect functionality of conveyance.

Order	Motor										Alteration
	Part Number	B	L	Output	Voltage	Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection		
	CVSPC	20	1000	25	T100	IM	25	H	C		
"No belt"	CVSPC	20	1000	25	T100	SCM	25	J	A		
"No Motor Gearheads"	CVSPC	20	1000	25	NV	NM	NH	H	R		

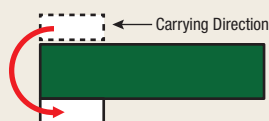
( - MK • FYA • FYB • CW • SCB • ANT6 • TBM • GHM )

Compatible Table ▶ P.127

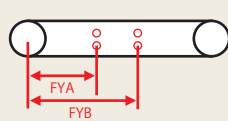


Alteration

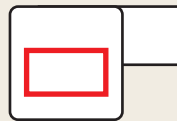
• Motor Position Reversed



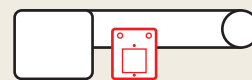
• Additional Counterbores



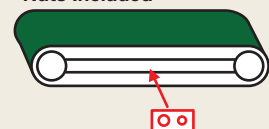
• Motor Cover with Window



• Brackets for Speed Controller Included



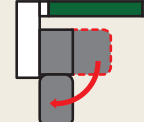
• Post-Assembly Insertion Nuts Included



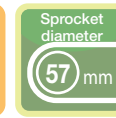
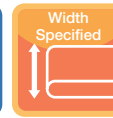
• Motor with Terminal Box



• Orthogonal Shaft Gear Head

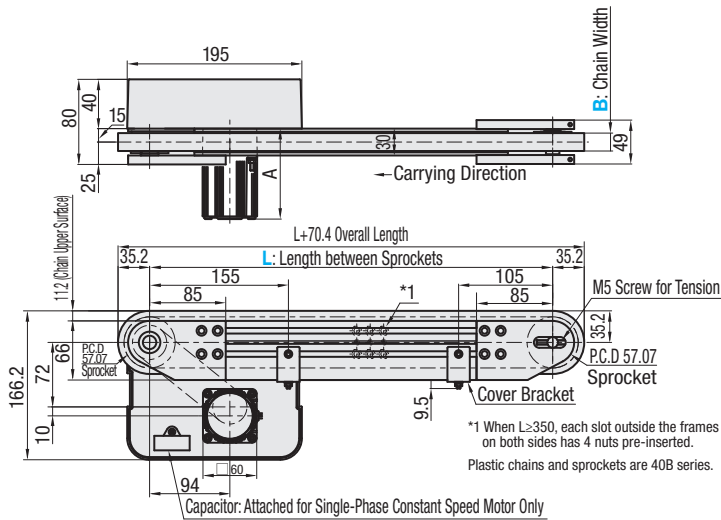


Alteration ▶ P.74~

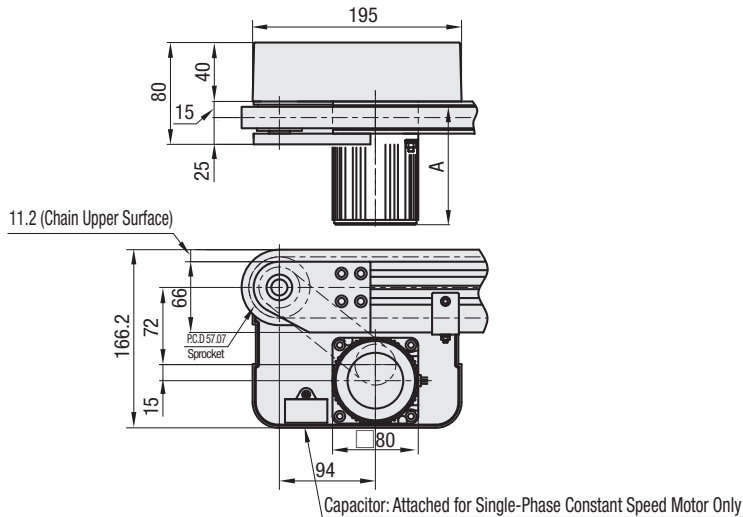


## CVSPC

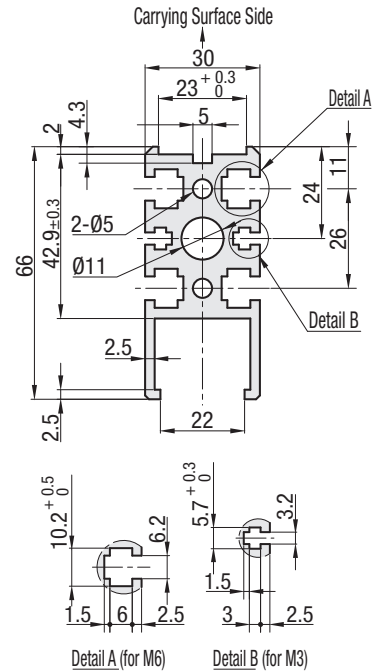
6W Motor Type



25W Motor Type



Frame Cross Section and Enlarged View (Symmetrical)



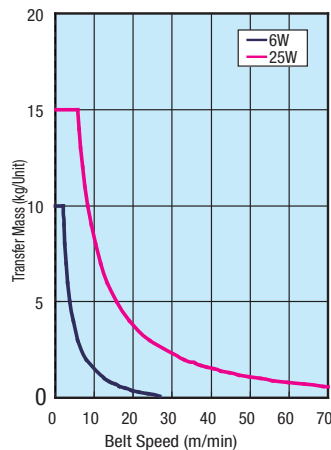
Compatible with JIS standard hex nuts.

### \*A Length

Output (W)	Motor		Reduction Ratio	Motor length (A)
	Specification	Manufacturer		
6W	Constant Speed Motor	Panasonic Motor	12.5~25	101.0
			30~180	108.0
		Oriental Motor	12.5~25	105.0
			30~180	115.0
	Variable Speed Motor Control Motor	Panasonic Motor	12.5~75	114.7
			90~180	120.7
		Oriental Motor	12.5~25	111.0
			30~180	118.0
25W	Constant Speed Motor	Panasonic Motor	12.5~25	115.0
			30~180	117.0
		Oriental Motor	12.5~25	127.5
			30~180	127.5
	Variable Speed Motor Control Motor	Panasonic Motor	12.5~75	129.0
			90~180	136.0
		Oriental Motor	12.5~25	125.0
			30~180	127.0

### Conveying Capacity

\* Reference Value



### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	53.7	64.4
7.5	35.8	43.0
9	29.8	35.8
12.5	21.5	25.8
15	17.9	21.5
18	14.9	17.9
25	10.7	12.9
30	9.0	10.7
36	7.5	9.0
50	5.4	6.4
60	4.5	5.4
75	3.6	4.3
90	3.0	3.6
100	2.7	3.2
120	2.2	2.7
150	1.8	2.1
180	1.5	1.8

# HEAD DRIVE – Dual Track Plastic Chain Type Ø57 –

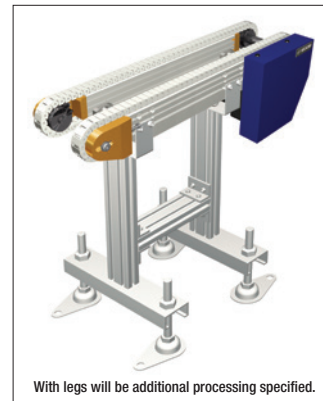
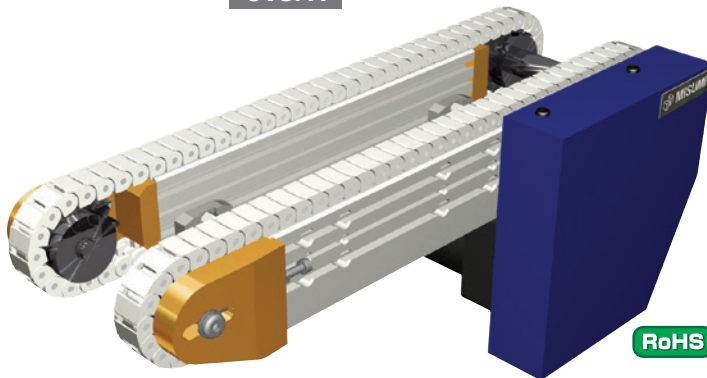
**Low-maintenance design—individual links can be replaced as necessary**  
**Ideal for palette accumulator transports**

CE

Single-phase  
230V Limited

Plastic Chain

CVSPA



With legs will be additional processing specified.

Optional Parts ▶ P.74~

Part Number	Width B 10mm Increment	Length L 5mm Increment	Motor					Belt Specification	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection <div>ⓈThe prices vary by manufacturer.</div>		
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio						
CVSPA	80~300	300~3000	25 40	(Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230	IM (Constant Speed Motor) SCM (Variable Speed Motor)	<div>518601507.525759012.5361001550120</div>					H (General Purpose) D (Conductive, Black) J (No Belt)  205<F<L-105 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor)
				(Three-Phase) SA200 SA220 SA230	IM (Constant Speed Motor) INV (Induction Motor + Inverter)							
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)						R (No Motor, Gearhead)

- Ⓡ Connect the motor so that the chain rotates in the direction of conveyance. For connection diagram, and details of motor and motor driver, see P.110. Ⓡ For belt details, see P.105.  
 Ⓡ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details.  
 Ⓡ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.  
 Ⓡ Since plastic chain is subject to abrasion and produces dust during use, it is not suitable for the use in the clean room. This, however, does not affect functionality of conveyance.

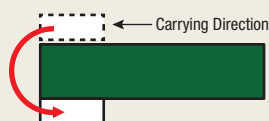
Order	Part Number		B	L	Motor				Belt Specification	F	Motor Manufacturer Selection	Alteration
					Output	Voltage	Specification	Gearhead Reduction Ratio				
	CVSPA	100	750	25	T200	IM	90	H	F300	A		
"No belt"	CVSPA	100	1000	25	T100	IM	5	J	B	A		
"No Motor Gearheads"	CVSPA	100	1000	25	NV	NM	NH	H	F300	R		

Compatible Table ▶ P.127

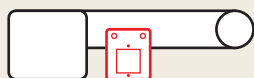


Alteration

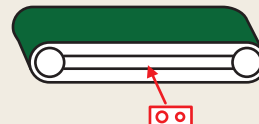
• Motor Position Reversed



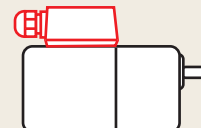
• Brackets for Speed Controller Included



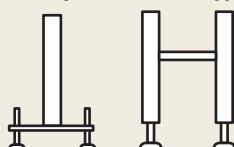
• Post-Assembly Insertion Nuts Included



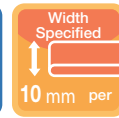
• Motor with Terminal Box



• Conveyor Stand I • H Type

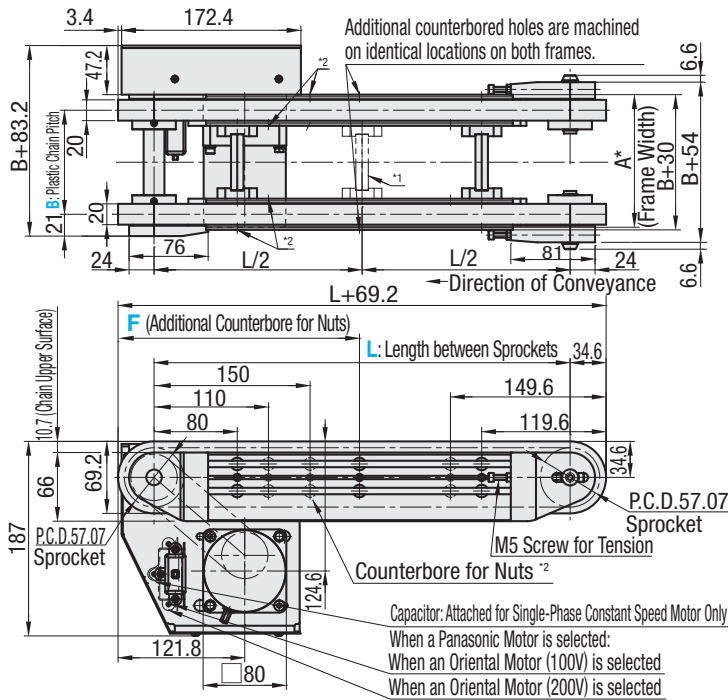


Alteration ▶ P.74~

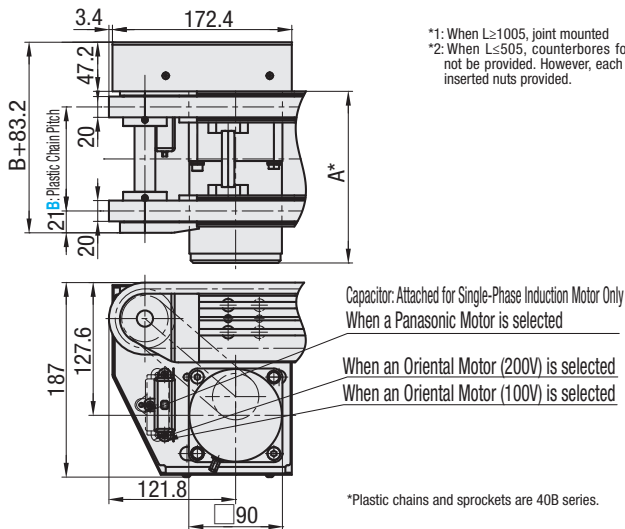


## CVSPA

### 25W Motor Type



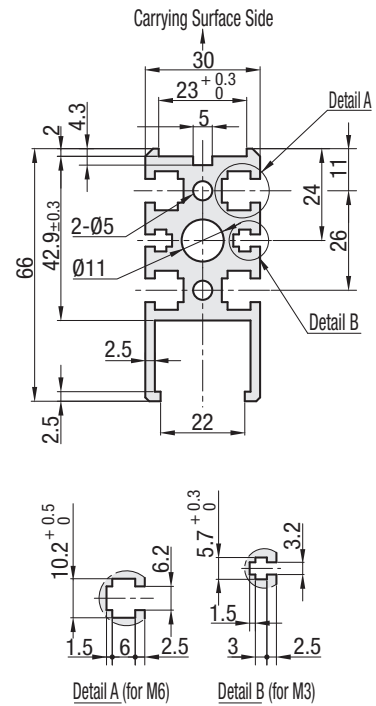
### 40W Motor Type



\*1: When  $L \geq 1005$ , joint mounted  
\*2: When  $L \leq 505$ , counterbores for the nuts will not be provided. However, each slot has 3 pre-inserted nuts provided.

\*Plastic chains and sprockets are 40B series.

Frame Cross Section and Enlarged View (Symmetrical)

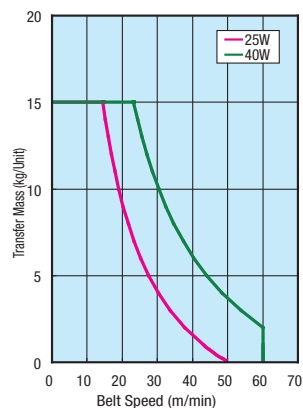


Compatible with JIS standard hex nuts.

#### \*A Length

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	Motor length (A)
25W	Constant Speed Motor	Panasonic	5-180	115.0
		Oriental	5-18	117.0
			25-180	127.5
	Variable Speed Motor	Panasonic	5-180	125.0
		Oriental	5-18	127.0
			25-180	137.5
40W	Constant Speed Motor	Panasonic	5-180	142.0
		Oriental	5-18	147.0
			25-180	165.0
	Variable Speed Motor	Panasonic	5-180	152.0
		Oriental	5-18	157.0
			25-180	175.0

#### Conveying Capacity \* Reference Value



#### Gearhead Reduction Ratio

\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	53.7	64.4
7.5	35.8	43.0
9	29.8	35.8
12.5	21.5	25.8
15	17.9	21.5
18	14.9	17.9
25	10.7	12.9
30	9.0	10.7
36	7.5	9.0
50	5.4	6.4
60	4.5	5.4
75	3.6	4.3
90	3.0	3.6
100	2.7	3.2
120	2.2	2.7
150	1.8	2.1
180	1.5	1.8





# Alterations & Options

Alterations P.75~

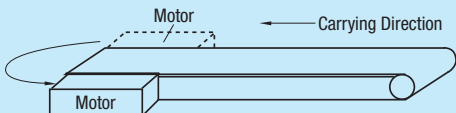
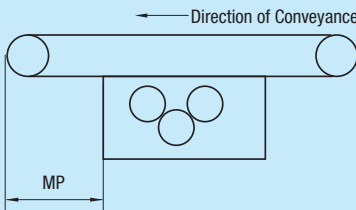
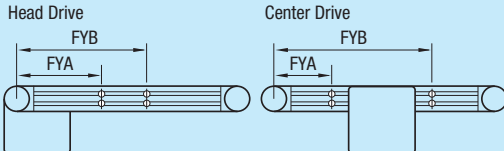
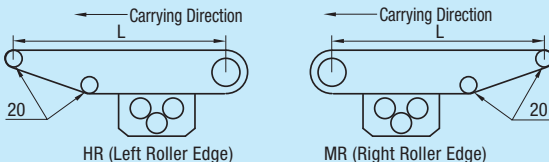
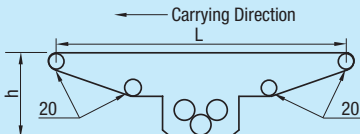
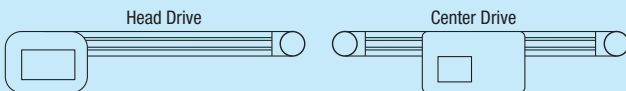
Options P.78~

# Alterations ①



Alterations

Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	(MK, MP, FYA, FYB, HR, MR, WR, CW)
CVGP	120	1350	25	T100	SCM	50	S	B	HR

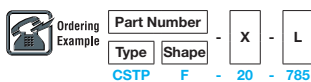
Alterations	Code	Spec																																																		
<b>Motor Position Reversed</b> 	<b>MK</b>	Motor position can be changed. [Ordering Code] MK Only the Head Drive Type can be specified. ① See the Application Chart on the next page for the applicable part numbers.																																																		
<b>Specify Drive Section Position</b> 	<b>MP</b> <table><tr><th>Applicable Conveyors</th><th>MP</th></tr><tr><td>SVKN, SVKR</td><td>67≤MP≤L-300</td></tr><tr><td>SVKN, SVKR (HR)</td><td>90≤MP≤L-300</td></tr><tr><td>SVKN, SVKR (MR)</td><td>63≤MP≤L-330</td></tr><tr><td>SVKN, SVKR (WR)</td><td>90≤MP≤L-330</td></tr><tr><td>CVGN, CVGP</td><td>68≤MP≤L-302</td></tr><tr><td>CVGN, CVGP (HR)</td><td>73≤MP≤L-302</td></tr><tr><td>CVGN, CVGP (MR)</td><td>68≤MP≤L-312</td></tr><tr><td>CVGN, CVGP (WR)</td><td>73≤MP≤L-312</td></tr><tr><td>CVGR, CVGW</td><td>93≤MP≤L-317</td></tr><tr><td>CVGR, CVGW (HR)</td><td>93≤MP≤L-317</td></tr><tr><td>CVGR, CVGW (MR)</td><td>93≤MP≤L-332</td></tr><tr><td>CVGR, CVGW (WR)</td><td>93≤MP≤L-332</td></tr><tr><td>CVSTR</td><td>123≤MP≤L-208</td></tr><tr><td>CVSJA</td><td>71≤MP≤L-162</td></tr><tr><td>CVGTN</td><td>79≤MP≤L-203</td></tr><tr><td>CVGTP</td><td>89≤MP≤L-269</td></tr><tr><td>CVSX, CVSY</td><td>122≤MP≤L-381</td></tr><tr><td>CVLPA</td><td>75≤MP≤L-320</td></tr></table>	Applicable Conveyors	MP	SVKN, SVKR	67≤MP≤L-300	SVKN, SVKR (HR)	90≤MP≤L-300	SVKN, SVKR (MR)	63≤MP≤L-330	SVKN, SVKR (WR)	90≤MP≤L-330	CVGN, CVGP	68≤MP≤L-302	CVGN, CVGP (HR)	73≤MP≤L-302	CVGN, CVGP (MR)	68≤MP≤L-312	CVGN, CVGP (WR)	73≤MP≤L-312	CVGR, CVGW	93≤MP≤L-317	CVGR, CVGW (HR)	93≤MP≤L-317	CVGR, CVGW (MR)	93≤MP≤L-332	CVGR, CVGW (WR)	93≤MP≤L-332	CVSTR	123≤MP≤L-208	CVSJA	71≤MP≤L-162	CVGTN	79≤MP≤L-203	CVGTP	89≤MP≤L-269	CVSX, CVSY	122≤MP≤L-381	CVLPA	75≤MP≤L-320	Drive section position can be specified. [Ordering Code] MP152 ① MP = 1mm Increment Only the Center Drive Type can be specified. ① The belt support rollers will be relocated to appropriate locations. ① MP dim. tolerance will be ±1 based on belt thickness. ① See the Application Chart on the next page for the applicable part numbers.												
Applicable Conveyors	MP																																																			
SVKN, SVKR	67≤MP≤L-300																																																			
SVKN, SVKR (HR)	90≤MP≤L-300																																																			
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CVSX, CVSY	122≤MP≤L-381																																																			
CVLPA	75≤MP≤L-320																																																			
<b>Additional Counterbores</b> 	<b>FYA FYB</b> <table><tr><th>Applicable Conveyors</th><th>FYA, FYB</th></tr><tr><td>SVKA, SVKB</td><td>150≤FYA, FYB≤(L-105)</td></tr><tr><td>SVKN, SVKR</td><td>65≤FYA, FYB≤(L-65)</td></tr><tr><td>SVKN, SVKR (HR)</td><td>95≤FYA, FYB≤(L-65)</td></tr><tr><td>SVKN, SVKR (MR)</td><td>65≤FYA, FYB≤(L-95)</td></tr><tr><td>SVKN, SVKR (WR)</td><td>95≤FYA, FYB≤(L-95)</td></tr><tr><td>CVGA, CVGB</td><td>150≤FYA, FYB≤(L-60)</td></tr><tr><td>CVGC, CVGD</td><td>180≤FYA, FYB≤(L-75)</td></tr><tr><td>CVGN, CVGP</td><td>60≤FYA, FYB≤(L-60)</td></tr><tr><td>CVGN, CVGP (HR)</td><td>75≤FYA, FYB≤(L-60)</td></tr><tr><td>CVGN, CVGP (MR)</td><td>60≤FYA, FYB≤(L-75)</td></tr><tr><td>CVGN, CVGP (WR)</td><td>75≤FYA, FYB≤(L-75)</td></tr><tr><td>CVGR, CVGW</td><td>75≤FYA, FYB≤(L-75)</td></tr><tr><td>CVGR, CVGW (HR)</td><td>90≤FYA, FYB≤(L-75)</td></tr><tr><td>CVGR, CVGW (MR)</td><td>75≤FYA, FYB≤(L-90)</td></tr><tr><td>CVGR, CVGW (WR)</td><td>90≤FYA, FYB≤(L-90)</td></tr><tr><td>CVGTA</td><td>150≤FYA, FYB≤(L-70)</td></tr><tr><td>CVGTB</td><td>180≤FYA, FYB≤(L-65)</td></tr><tr><td>CVGTN</td><td>70≤FYA, FYB≤(L-70)</td></tr><tr><td>CVGTP</td><td>65≤FYA, FYB≤(L-65)</td></tr><tr><td>CVMA, CVMB</td><td>170≤FYA, FYB≤(L-60)</td></tr><tr><td>CVSMB</td><td>220≤FYA, FYB≤(L-155)</td></tr><tr><td>CVDSA, CVDSB</td><td>180≤FYA, FYB≤(L-75)</td></tr><tr><td>CVSTD</td><td>1000:L&lt;1100:150:FYA, FYB:L-150 1100:L&lt;135:FYA, FYB:L-135</td></tr><tr><td>CVSPC</td><td>190≤FYA, FYB≤(L-130)</td></tr></table> <p>❌ For CVSTD and center drive conveyors, counterbores in the drive section cannot be specified.</p>	Applicable Conveyors	FYA, FYB	SVKA, SVKB	150≤FYA, FYB≤(L-105)	SVKN, SVKR	65≤FYA, FYB≤(L-65)	SVKN, SVKR (HR)	95≤FYA, FYB≤(L-65)	SVKN, SVKR (MR)	65≤FYA, FYB≤(L-95)	SVKN, SVKR (WR)	95≤FYA, FYB≤(L-95)	CVGA, CVGB	150≤FYA, FYB≤(L-60)	CVGC, CVGD	180≤FYA, FYB≤(L-75)	CVGN, CVGP	60≤FYA, FYB≤(L-60)	CVGN, CVGP (HR)	75≤FYA, FYB≤(L-60)	CVGN, CVGP (MR)	60≤FYA, FYB≤(L-75)	CVGN, CVGP (WR)	75≤FYA, FYB≤(L-75)	CVGR, CVGW	75≤FYA, FYB≤(L-75)	CVGR, CVGW (HR)	90≤FYA, FYB≤(L-75)	CVGR, CVGW (MR)	75≤FYA, FYB≤(L-90)	CVGR, CVGW (WR)	90≤FYA, FYB≤(L-90)	CVGTA	150≤FYA, FYB≤(L-70)	CVGTB	180≤FYA, FYB≤(L-65)	CVGTN	70≤FYA, FYB≤(L-70)	CVGTP	65≤FYA, FYB≤(L-65)	CVMA, CVMB	170≤FYA, FYB≤(L-60)	CVSMB	220≤FYA, FYB≤(L-155)	CVDSA, CVDSB	180≤FYA, FYB≤(L-75)	CVSTD	1000:L<1100:150:FYA, FYB:L-150 1100:L<135:FYA, FYB:L-135	CVSPC	190≤FYA, FYB≤(L-130)	Additionally machine counterbores for inserting nuts on the frames on the near and far sides. [Ordering Code] FYA300 FYB600 ① FYA, FYB = 5mm Increment ① FYB-FYA≥15 ① Specifiable ranges are as shown below. ① See the Application Chart on the next page for the applicable part numbers.
Applicable Conveyors	FYA, FYB																																																			
SVKA, SVKB	150≤FYA, FYB≤(L-105)																																																			
SVKN, SVKR	65≤FYA, FYB≤(L-65)																																																			
SVKN, SVKR (HR)	95≤FYA, FYB≤(L-65)																																																			
SVKN, SVKR (MR)	65≤FYA, FYB≤(L-95)																																																			
SVKN, SVKR (WR)	95≤FYA, FYB≤(L-95)																																																			
CVGA, CVGB	150≤FYA, FYB≤(L-60)																																																			
CVGC, CVGD	180≤FYA, FYB≤(L-75)																																																			
CVGN, CVGP	60≤FYA, FYB≤(L-60)																																																			
CVGN, CVGP (HR)	75≤FYA, FYB≤(L-60)																																																			
CVGN, CVGP (MR)	60≤FYA, FYB≤(L-75)																																																			
CVGN, CVGP (WR)	75≤FYA, FYB≤(L-75)																																																			
CVGR, CVGW	75≤FYA, FYB≤(L-75)																																																			
CVGR, CVGW (HR)	90≤FYA, FYB≤(L-75)																																																			
CVGR, CVGW (MR)	75≤FYA, FYB≤(L-90)																																																			
CVGR, CVGW (WR)	90≤FYA, FYB≤(L-90)																																																			
CVGTA	150≤FYA, FYB≤(L-70)																																																			
CVGTB	180≤FYA, FYB≤(L-65)																																																			
CVGTN	70≤FYA, FYB≤(L-70)																																																			
CVGTP	65≤FYA, FYB≤(L-65)																																																			
CVMA, CVMB	170≤FYA, FYB≤(L-60)																																																			
CVSMB	220≤FYA, FYB≤(L-155)																																																			
CVDSA, CVDSB	180≤FYA, FYB≤(L-75)																																																			
CVSTD	1000:L<1100:150:FYA, FYB:L-150 1100:L<135:FYA, FYB:L-135																																																			
CVSPC	190≤FYA, FYB≤(L-130)																																																			
<b>One End Roller Edge</b> 	<b>HR MR</b>	One end of the conveyor can be changed to a roller edge. [Ordering Code] HR MR Only the Center Drive Type can be specified. ① 25W or larger motor can be selected. ① For CVGN and CVGP, L dim. of 350mm or above is available, and for SVKN, SVKR, CVGR and CVGW, L dim. of 450mm or above is available. ❌ B(Belt Width) 201mm or more is not available ① See the Application Chart on the next page for the applicable part numbers.																																																		
<b>Both Ends Roller Edge</b> 	<b>WR</b>	Both ends of the conveyor can be changed to a roller edge. [Ordering Code] WR Only the Center Drive Type can be specified. ① 25W or larger motor can be selected. ① For CVGN and CVGP, L dim. of 350mm or above is available, and for SVKN, SVKR, CVGR and CVGW, L dim. of 450mm or above is available. ❌ B(Belt Width) 201mm or more is not available ① See the Application Chart on the next page for the applicable part numbers.																																																		
<b>Motor Cover with Window</b> 	<b>CW</b>	Can be changed to Motor Cover with Window. [Ordering Code] CW ① Resin plate can also be purchased as a separate item for maintenance purpose. Motor Cover for Conveyor - with Window - For details, see P. 77. ① See the Application Chart on the next page for the applicable part numbers.																																																		





# Stands / Brackets

## Conveyor Stands – Pipe Type



Part Number		X	L	Load Capacity (N)
Type	Shape	Selection	Selection	
CSTP	F (Foot) C (Caster)	20 65 85	385 585 785	925
		125 165	390 590 790	
		295 425	389 589 789	

① Infinitely variable adjustment is available for X and L within the adjustable range shown in the right table.

### X Adjustable Range

X	X Adjustable Range	
	min	max
20	20	30
65	65	85
85	85	125
125	125	165
165	165	295
295	295	425
425	425	555

### L Adjustable Range

X	L	L Adjustable Range	
		min	max
20	385	385	585
65	585	585	785
85	785	785	985
125	390	390	590
165	590	590	790
	790	790	990
295	389	389	589
425	589	589	789
	789	789	989

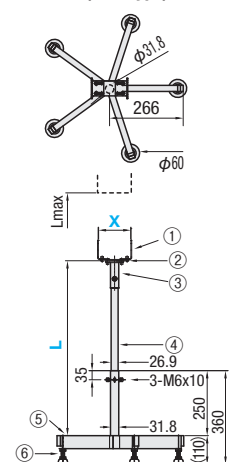
Name	M Material	S Surface Treatment
① L-Shaped Bracket	Steel	Black Paint
② Intermediate Plate	Steel	Black Paint
③ Bracket Mount	Steel	Black Paint
④ Round Tube	Steel	Black Paint
⑤ Foot Base	Steel	Black Paint
⑥ Foot	Steel	Trivalent Chromate
⑦ Caster	Shaft Wheel	Steel Plastic

① The stands are shipped unassembled. Assembly will be required on your side. (The assembly instruction manual is included.)

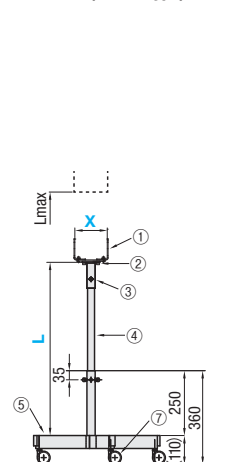
### L Type Bracket Dimension Details

X	A	V	P	K
20	21.8	56	36	5
65	31.5	36	40	10
85	41.5	56		20
125		96		
165		144	36	
295	82	274		65
425		404		

### CSTPF (Foot Type)



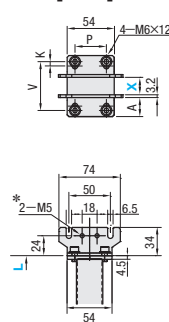
### CSTPC (Caster Type)



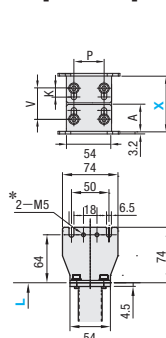
### L Type Bracket Detail View

The scale of the drawings correspond with the smaller X value

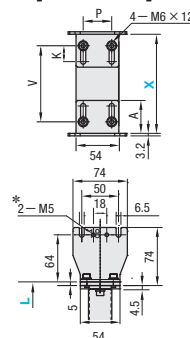
#### [X=20]



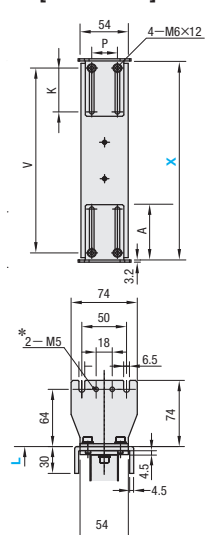
#### [X=65 • 85]



#### [X=125 • 165]



#### [X=295 • 425]

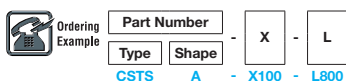
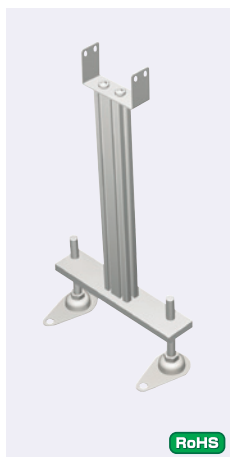


### Note

The product does not have fall-prevention mechanism. Avoid adjusting the stand height when the conveyor is attached. Handle the product with utmost care.

\*Tapped Hole for Mounting Conveyor

## Conveyor Stands – I Type



Part Number		X	L
Type	Shape	1mm Increment	1mm Increment
CSTS	A (Adjuster) C (Caster)	50~200	100~490
			500~690
			700~990
			1000~1200

\*1 D dimension chart

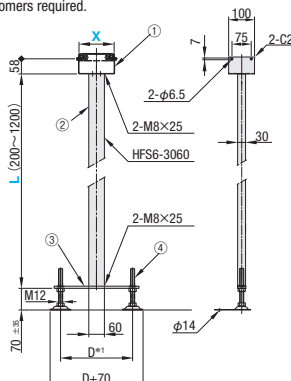
X	50~100	101~
D	200	280

① X is conveyor mounting width

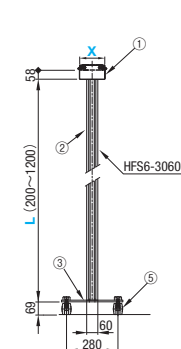
	① Bracket	② Aluminum Extrusion	③ Base Plate	④ Level Adjusting Bolt	⑤ Caster
M Material	304 Stainless Steel	Aluminum	Steel	Steel	Shaft Wheel
S Surface Treatment	2B	Clear Anodize	Trivalent Chromate	Trivalent Chromate	Trivalent Chromate Plastic

① The stands are shipped unassembled. Assembly by customers required.

### Conveyor Stand I Type (1set) CSTSA (Adjuster Type)



### CSTSC (Caster Type)

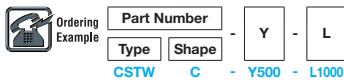
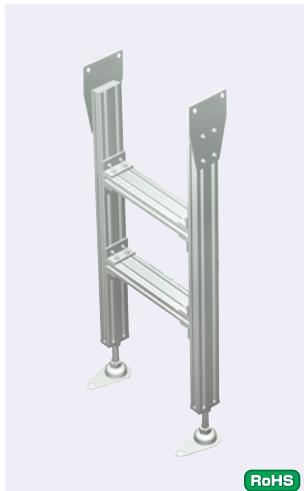


① 1台では自立しません。

① Bolt for attachment to the conveyor are not supplied. On the check, I wish purchase a nut size that has been inserted into the side of the conveyor



## Conveyor Stands – H Type



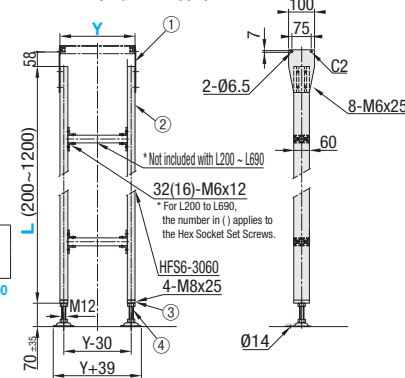
Part Number		Y	L
Type	Shape	1mm Increment	1mm Increment
CSTW	A (Adjuster)	150~600	100~490
	C (Caster)		500~690
			700~990
			1000~1200

	① Bracket	② Aluminum Extrusion	③ Foot Base	④ Level Adjusting Bolt	⑤ Caster	
M Material	Steel	Aluminum	Steel	Steel	Shaft Steel	Wheel Plastic
S Surface Treatment	Trivalent Chromate	Clear Anodize	Trivalent Chromate	Trivalent Chromate	Trivalent Chromate	—

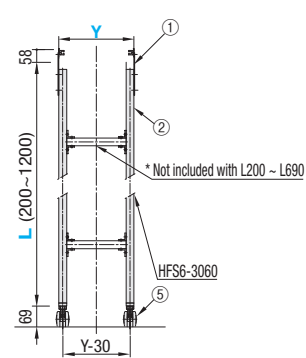
① The stands are shipped unassembled. Assembly by customers required.

Conveyor Stand H Type (1 set)

### CSTWA (Adjuster Type)



### CSTWC (Caster Type)



① The unit will not stand on its own.

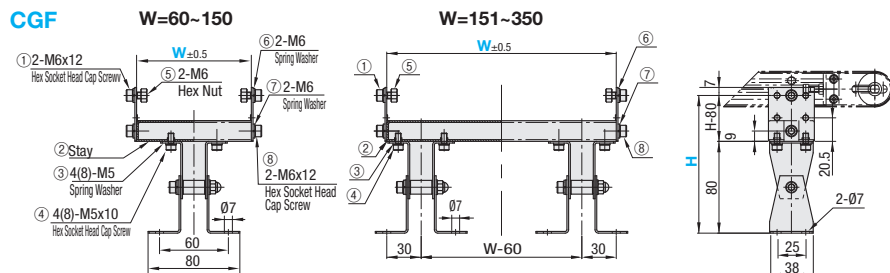
## Conveyor Support Stands



Part Number	W	H
	1mm Increment	1mm Increment
CGF	60~350	120~160

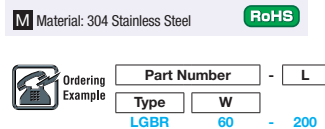
① W=Frame Width (See main conveyor pages)

### CGF



① When W=151 ~ 350, the number in ( ) applies to the Hex Socket Set Screws 3 and 4.

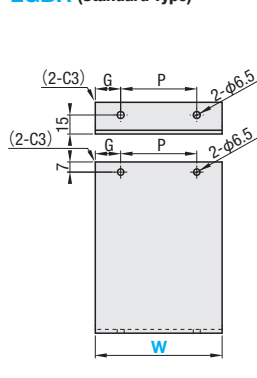
## Conveyor L Type Mounting Brackets



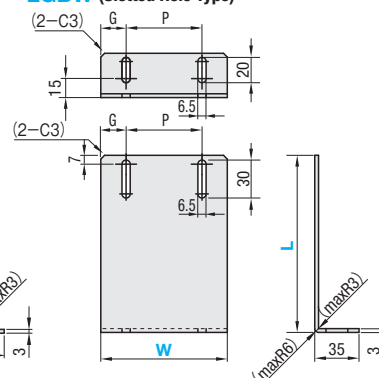
Part Number	L	P	G	Y
Type	W	Selection		
Standard Type LGBR	30	140	20	5
		200		
	60	140	40	10
		200		
	100	140	60	20
		200		

Part Number	L	P	G	Y
Type	W	Selection		
Slotted Hole Type LGBW	30	140	20	5
		200		
	60	140	40	10
		200		
	100	140	60	20
		200		

### LGBR (Standard Type)



### LGBW (Slotted Hole Type)



# Guide Rails

Summary

Flat Belt

BUILT-IN / Flat

Special  
Specifications

Timing Belt

Plastic Chain

Alteration &  
Option

Belt

Technical Data

Compatible  
table

## Conveyor Guide Rails - Straight Type



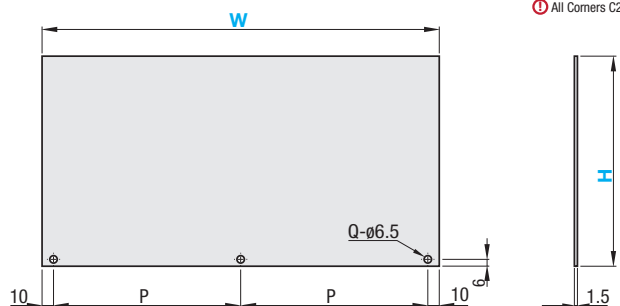
**Material:** 304 Stainless Steel one side polished



Ordering Example  
Part Number - W - H  
CGPS - W200 - H50

Part Number	W 1mm Increment	H 1mm Increment
CGPS	50~800	30~100 101~200

CGPS



■ W Dim., Holes, Pitch Dim.

W	Q (Holes)	P (Hole Pitch)
50~200	2	
201~500	3	(W-20)/(Q-1)*
501~800	4	

\* Placed Evenly

## Conveyor Guide Rails - Y Type



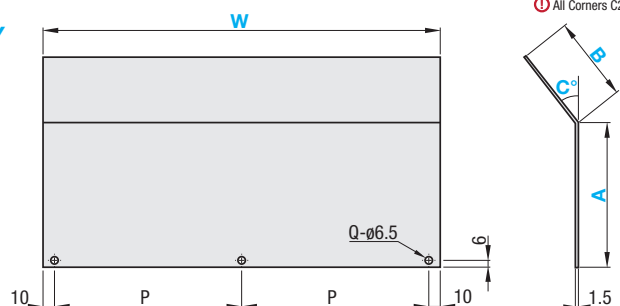
**Material:** 304 Stainless Steel one side polished



Ordering Example  
Part Number - W - A - B - C  
CGPY - W800 - A80 - B50 - C30

Part Number	W 1mm Increment	A 1mm Increment	B 1mm Increment	C Selection
CGPY	50~800	20~100	10~50	15 30 45

CGPY



■ W Dim., Holes, Pitch Dim.

W	Q (Holes)	P (Hole Pitch)
50~200	2	
201~500	3	(W-20)/(Q-1)*
501~800	4	

\* Placed Evenly

## Conveyor Guide Rails - Z Type



**Material:** 304 Stainless Steel one side polished



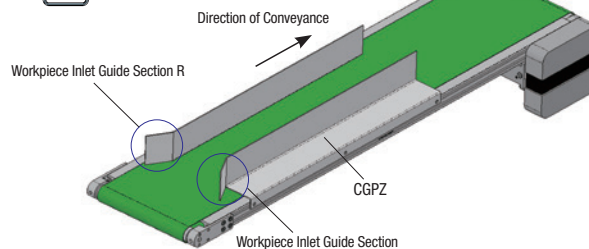
Ordering Example  
Part Number - W - H - A - B - Inlet Section Mounting Direction  
CGPZ - W500 - H100 - A50 - B50 - L

Part Number	W 1mm Increment	H 1mm Increment	A 1mm Increment	B 1mm Increment	Inlet Section Mounting Direction
CGPZ	50~800	30~100 101~200	20~100	10~50	L R N*

\* N does not have the Inlet Section.

① H-A≥10

② The guide will have machining marks of bending.

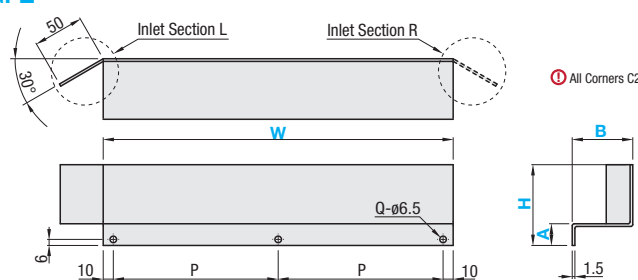


■ W Dim., Holes, Pitch Dim.

W	Q (Holes)	P (Hole Pitch)
50~200	2	
201~500	3	(W-20)/(Q-1)*
501~800	4	

\* Placed Evenly

CGPZ



## Guide Rail Brackets – Slotted Hole Adjustable Engineering Plastic Rails



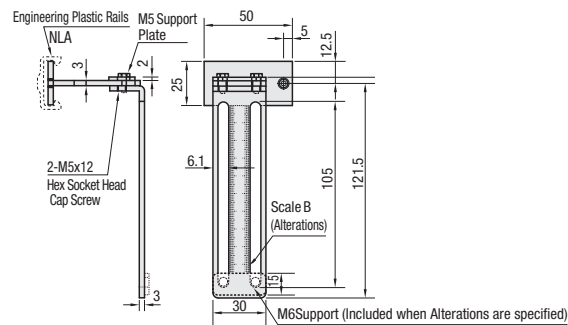
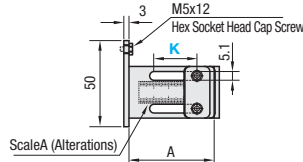
Ordering Example	Part Number
Type	K
CGE	30 - (ST)



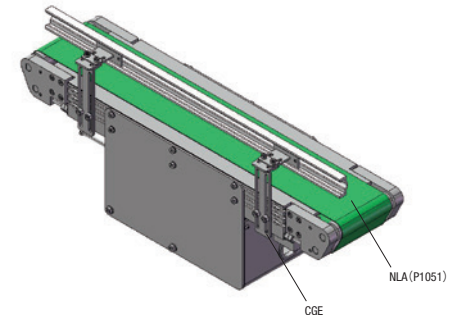
Alterations	Code	Spec.									
Scale Tape Included	ST	Scale A, B (Tape) and M6 Support Plate are included. * Attach them where appropriate.									
		<table border="1"> <thead> <tr> <th>Part Number</th><th>Scale A</th><th>Scale B</th></tr> </thead> <tbody> <tr> <td>CGE30</td><td>50</td><td>100</td></tr> <tr> <td>CGE80</td><td>100</td><td>100</td></tr> </tbody> </table>	Part Number	Scale A	Scale B	CGE30	50	100	CGE80	100	100
Part Number	Scale A	Scale B									
CGE30	50	100									
CGE80	100	100									

Part Number		A
Type	K	
CGE	30	50
	80	100

**CGE**



ⓘ Engineering plastic rails and conveyor mounting bolts are not included.



## Guide Rail Brackets – Angle Bracket, Adjustable / Adjusting Rods



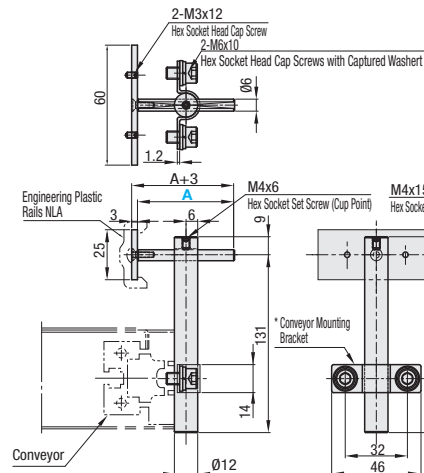
Ordering Example	Part Number
Type	A
CGVN	100 - (OFS)



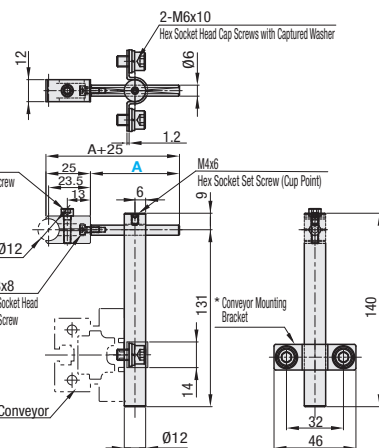
Alterations	Bracket for Offset Included
Code	OFS
Spec.	<p>Top Drawing * Bracket for offset to be mounted to the conveyor mounting bracket will be included.</p>

Part Number		A
Type		
Engineering Plastic Rails		50
CGXN		100
Round Rod		150
CGVN		150

**CGXN (Engineering Plastic Rails)**



**CGVN (Round Rod)**



ⓘ Use at least 2 pcs since 1 pc is not strong enough for the rotating direction.

# Guide Rail Brackets

## Conveyor Engineering Plastic Guide Rail Brackets – Standard Type



**M** Material: 304 Stainless Steel

**RoHS**



Part Number			(CL)
Type	No.		
CGX	80	-	CL

Part Number		W
Type	No.	
CGX (W=50, 60)	55	50
	70	60
	80	60
CGXL (W=100)	55	100
	70	100
	80	100

- ① NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.
- ② Engineering plastic rail is not included.

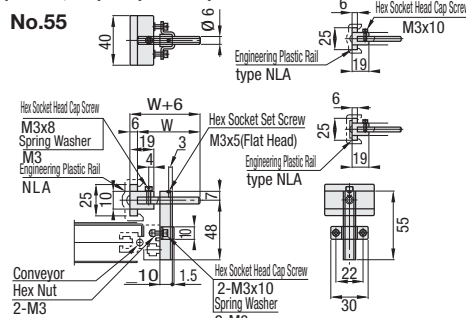
**CGX**

(W=50, 60)

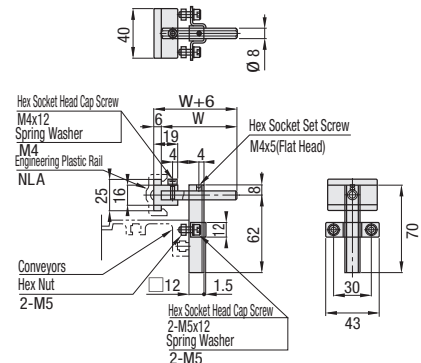
**CGXL**

(W=100)

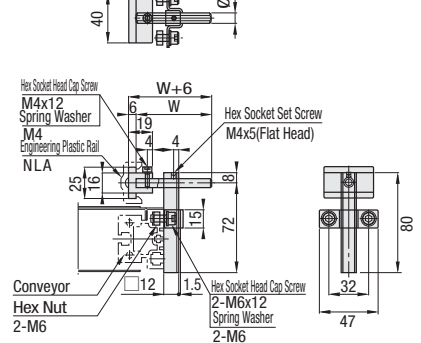
**No.55**



**No.70**



**No.80**



## Conveyor Engineering Plastic Guide Rail Brackets – Offset Type



**M** Material: 304 Stainless Steel

**RoHS**



Part Number			(CL)
Type	No.		
CGY	70	-	CL



Alterations

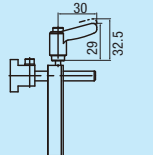
**Alterations** Change to Product with Clamp Lever

**Code** CL

Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent).

⊗ Not applicable to CGX55/CGXL55/CGY55/CGYL55

**Spec.**



Part Number		W
Type	No.	
CGY (W=50, 60)	55	50
	70	60
	80	60
CGYL (W=100)	55	100
	70	100
	80	100

- ① NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.
- ② Engineering plastic rail is not included.

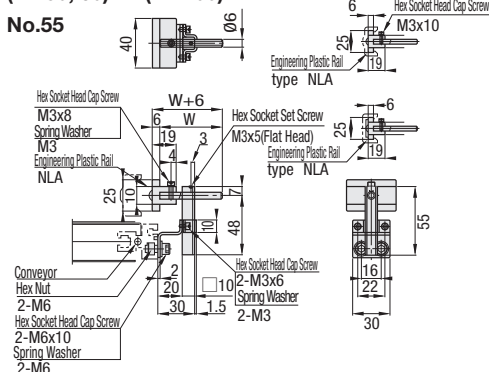
**CGY**

(W=50, 60)

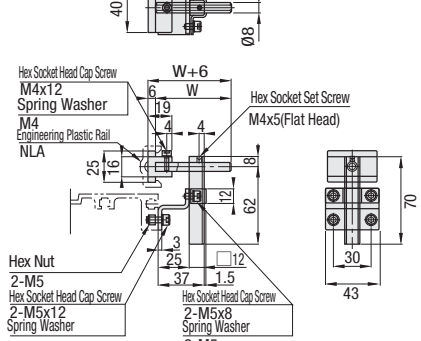
**CGYL**

(W=100)

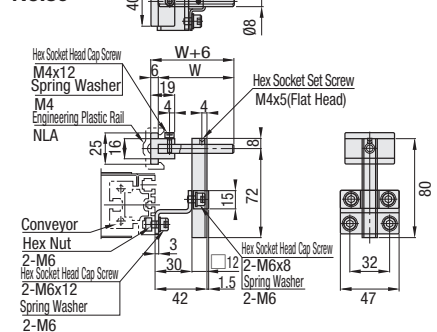
**No.55**



**No.70**



**No.80**



## Round Bar Conveyor Guide Rails



**M** Material: 304 Stainless Steel

**RoHS**

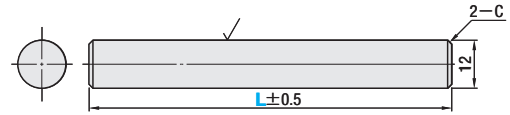


Ordering Example  
Part Number - L  
CGR - 380

Part Number	L 5mm Increment
CGR	150-300
	305-500
	505-750
	755-1000

**CGR**

25 (✓)



## Round Bar Conveyor Guide Rail Brackets - Standard Type



**M** Material: 304 Stainless Steel

**RoHS**



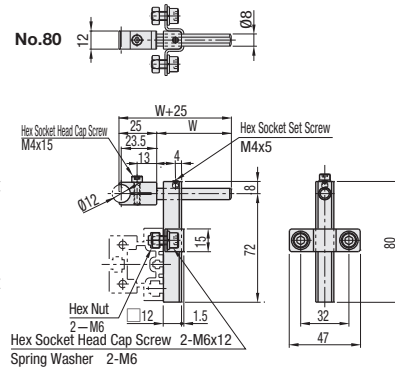
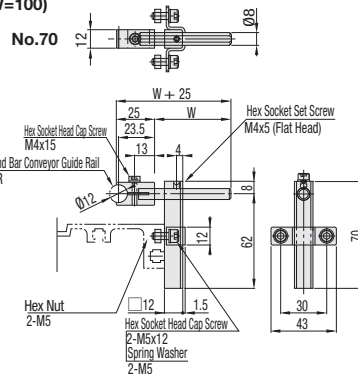
Ordering Example  
Part Number  
Type No. - (CL)  
CGV 80 - CL

Part Number		W
Type	No.	
CGV (W=50)	70	50
	80	
CGVL (W=100)	70	100
	80	

Ⓢ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

**CGV**  
(W=50)

**CGVL**  
(W=100)



## Round Bar Conveyor Guide Rail Brackets - Offset Type



**M** Material: 304 Stainless Steel

**RoHS**



Ordering Example  
Part Number  
Type No. - (CL)  
CGW 70 - CL



Alterations

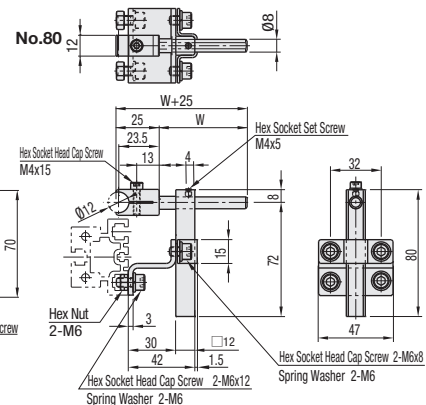
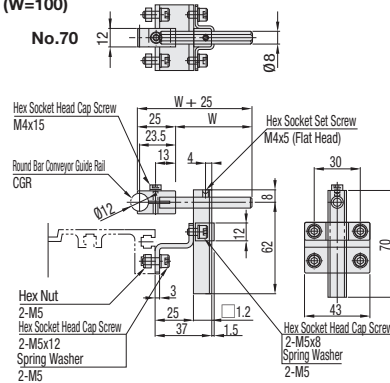
Alterations	Change to Product with Clamp Lever
Code	CL
Spec.	Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent).

Part Number		W
Type	No.	
CGW (W=50)	70	50
	80	
CGWL (W=100)	70	100
	80	

Ⓢ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

**CGW**  
(W=50)

**CGWL**  
(W=100)





# Guide Rails and Brackets

## L-Shaped Conveyor Guide Rails



**M** Material: 304 Stainless Steel

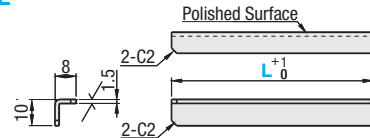
**RoHS**



Ordering Example  
Part Number - L  
CGL - 380

Part Number	L 5 mm Increment
CGL	150~300
	305~500
	505~750
	755~1000

**CGL**



## L-Shaped Conveyor Guide Rail Brackets – Standard Type



**M** Material: 304 Stainless Steel

**RoHS**



Ordering Example  
Part Number  
Type No. - (CL)  
CGK 80 - CL

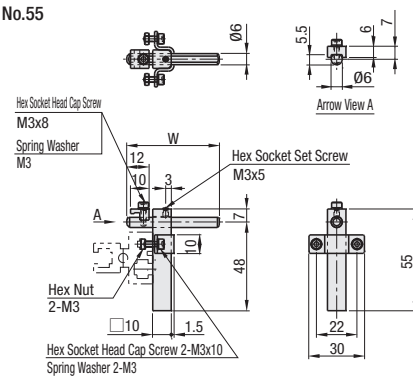
Part Number	No.	W
CGK (W=50, 60)	55	50
	70	60
	80	60
CGKL (W=100)	55	100
	70	100
	80	100

Ⓢ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

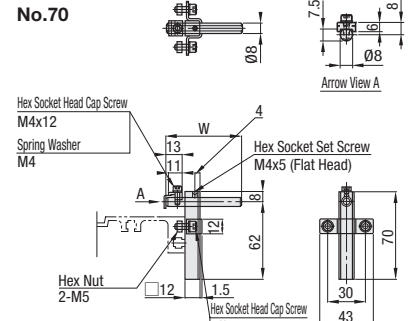
**CGK**  
(W=50, 60)

**CGKL**  
(W=100)

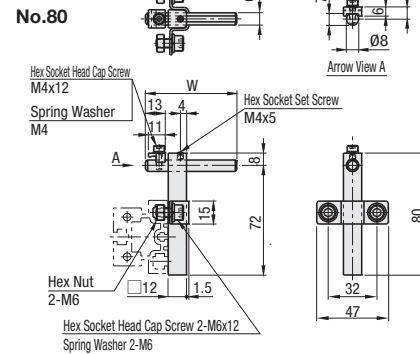
No.55



**No.70**



**No.80**



## L-Shaped Conveyor Guide Rail Brackets – Offset Type



**M** Material: 304 Stainless Steel

**RoHS**



Ordering Example  
Part Number  
Type No. - (CL)  
CGH 70 - CL



Alterations

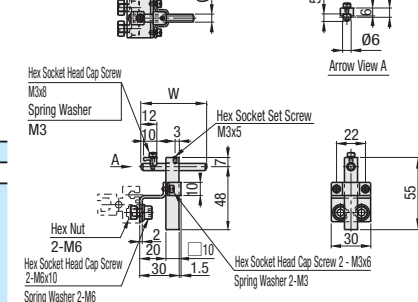
Alterations	Change to Product with Clamp Lever
Code	CL
Spec.	<p>Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent).</p> <p>Ⓢ Not applicable to CGK55/CGKL55/CGH55/CGHL55</p>

Part Number	No.	W
CGH (W=50, 60)	55	50
	70	60
	80	60
CGHL (W=100)	55	100
	70	100
	80	100

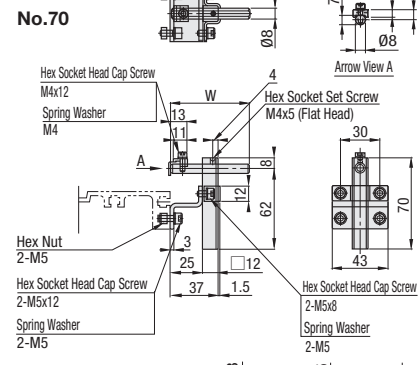
Ⓢ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

**CGH** (W=50, 60) **CGHL** (W=100)

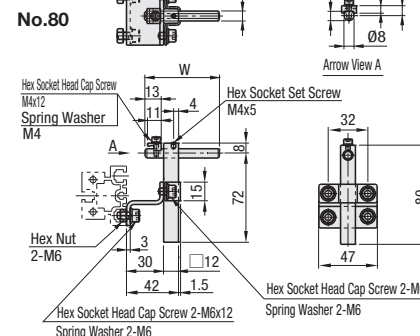
No.55



**No.70**



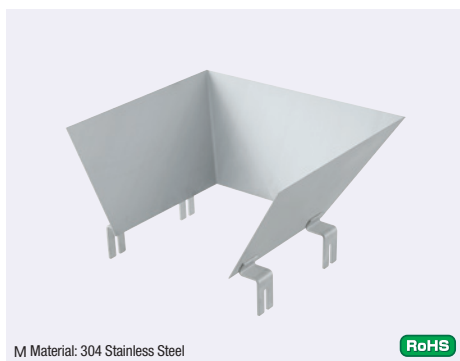
**No.80**





# Hoppers

## Conveyor Hoppers



Ordering Example: Part Number - Applicable Conveyor Type - L - W - H - (EA)  
CHOP30 - A - 100 - 100 - 80 - EA

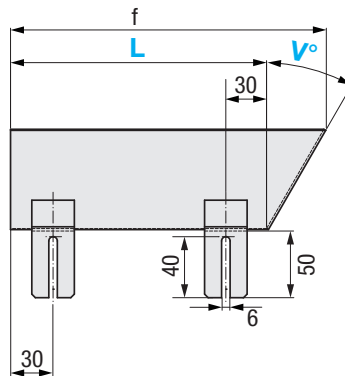
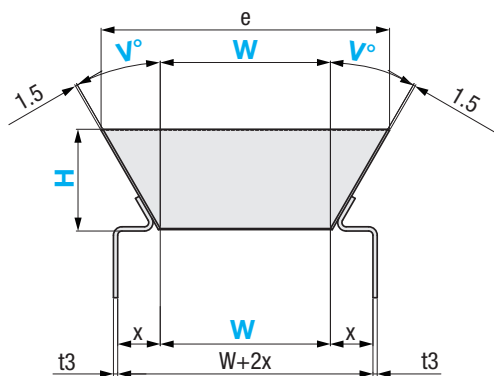


Alterations	Ultrahigh Molecular Weight Polyethylene Attached
Code	EA
Spec.	The ultrahigh molecular weight polyethylene seal is attached to the inner surface of the hopper so that the workpiece will move smoothly.

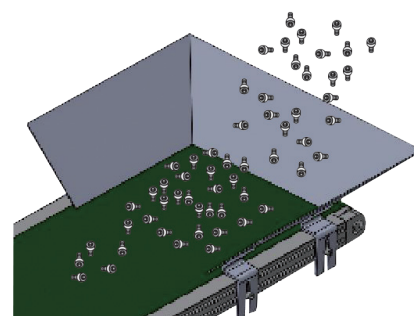
### CHOP

• e dimension  
 $(V^\circ=30) \approx W + 1.2H$   
 $(V^\circ=45) \approx W + 2H$

• f dimension  
 $(V^\circ=30) \approx L + 0.6H$   
 $(V^\circ=45) \approx L + H$



ex Example



⚠ Please note that the belt may be damaged if thrown hard onto the conveyor at the time of installation.

Part Number	Type	V	Applicable Conveyor Type	L 10mm Increment	W 1mm Increment	H 10mm Increment	X
CHOP		30 45	A	100~500	25~500	50~300	20.5
			B				22.5
			C				27.5
			D				21.5

⚠ How to Select W Dimensions:  $W = B$  (Conveyor Belt Width) - 5

### List of Applicable MISUMI Conveyors

Applicable Conveyor Type	Applicable Conveyors
A	CVGA, CVGB, CVGC, CVGD, CVMA, CVMB
B	CVGN, CVGP, CVGR, CVGW, CVSJA, CVLPA
C	SVKA, SVKB, SVKN, SVKR, CVSE, CVSF, CVSX, CVSY, CVSFA, CVSFB, CVSFC, CVSFD
D	CVSMA

# Transparent Covers

## Transparent Covers for Conveyor

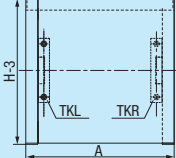


RoHS

Ordering Example	Part Number	H	A	W	(FCB • MGC • TK • TKL • TKR)
Type	Handle Position				
CTCA	F	200	150	300	MGC
CTCB	G	300	300	200	TKL



Alterations

Alterations	Magnet Catches Included	Assembly and Shipping Services
Code	MGC	TK • TKL • TKR
Spec.	Magnet Catches (MGCC3) for an opening/closing window are included. ① Applicable to the handle position E and F only	We will fully assemble the product before shipping. Select TK for the handle position E and F, and select TKL (left) or TKR (right) for G. 

Part Number		H	A	W
Type	Handle Position	10mm Increment	10mm Increment	1mm Increment
CTCA (Transparent)	E (Top/Back Opening)	150~300	150~200	150~300
CTCB (Smoke Brown)	F (Top/Side Opening)		210~400	301~500
CTCT (Antistatic, Transparent)	G (Side/Side Opening)		410~550	150~300
		310~500	150~200	301~500
			210~400	150~300
			410~550	301~500

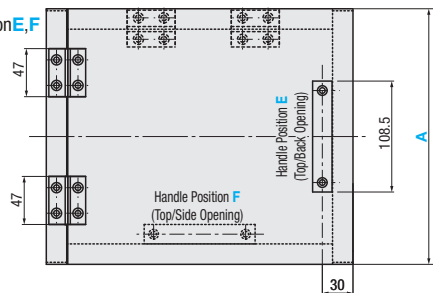
Type	Material	Grade	Color	Light Transmittance
CTCA	PET	Standard	Transparent	87%
CTCB			Smoke Brown	28%
CTCT		Antistatic	Transparent	77%

### Components

No.	Product Name	Part Number
①	Aluminum Extrusion	HFSS-2020
②	PET Material (3mm thickness)	CTCA : PYA CTCB : PYBA CTCT : PYTA
③	Extrusion End Cap	HFC5-2020-S
④	Blind Joint Component	HMJ5
⑤	Panel Clamp	HSCP3H-S
⑥	Reversal Tabbed Bracket	Main Unit: HBLFSN5 Hex Socket Head Cap Screw: CBM5-10 Pre-Assembly Insertion Nut: HNTT5-5
⑦	Hinge	Main Unit: HHPSTN5 Hinge Nut: HHPNT5-2 Pre-Assembly Insertion Nut: HNTT5-5 Extra Low Hex Head Cap Screw: CBSA5-10 Extra Low Hex Head Cap Screw: CBSA5-8
⑧	Pull Handle	Main Unit: UPCN19-B-36 Nut for Pull Handle: Dedicated Part
⑨	Conveyor Mounting Bracket	Hex Socket Head Cap Screw: CBM5-12 Main Unit: Dedicated Part (Aluminum Alloy) Hex Socket Flat Head Cap Screw: HFBCM5-8
⑩	Blind Bracket ① Handle Position G Only	HBLBS5

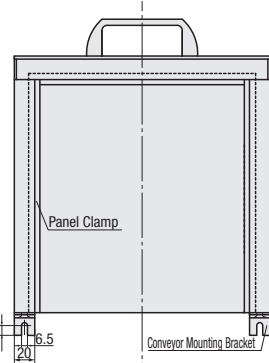
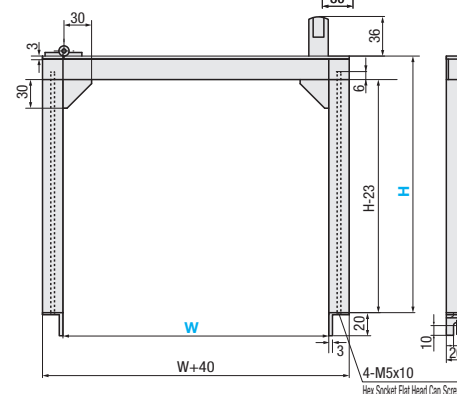
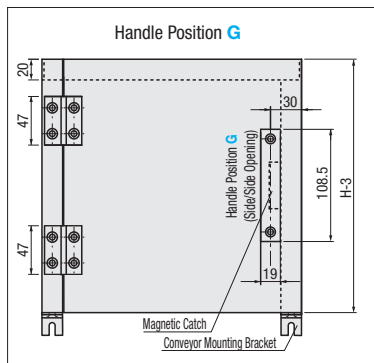
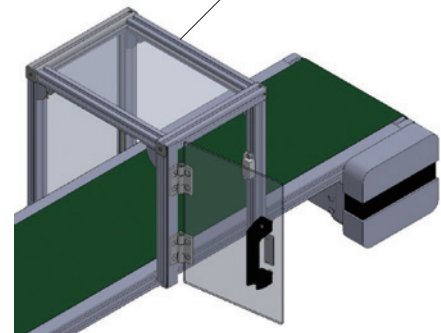
CTCA (Transparent)  
CTCB (Smoke Brown)  
CTCT (Antistatic, Transparent)

Handle Position E, F



ex Example

CTCAG



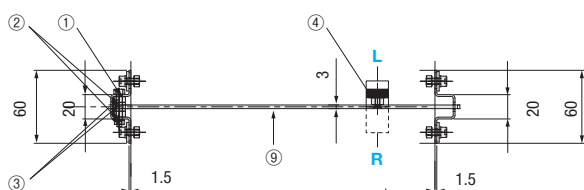
# Stoppers, Transfer Rollers

## Stopper

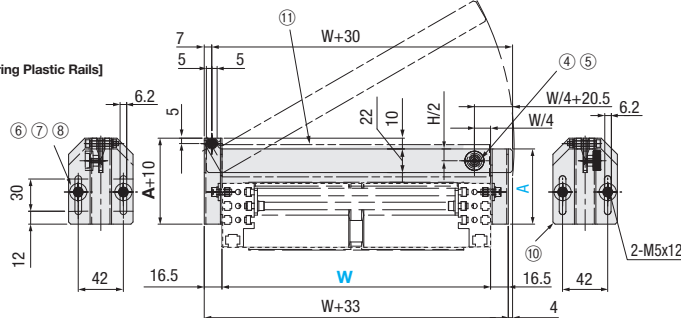
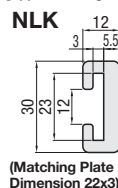


**Ordering Example**  
 Part Number - W - A - Knob Mounting Direction  
 CSTP - 250 - 70 - L  
 CSTE - 200 - 120

**CSTP  
CSTE**  
(Engineering Plastic Rail Set)

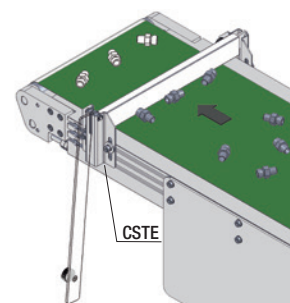


[Applicable Engineering Plastic Rails]



Part No.	Part Name	Qty.	Material	
			CSTP	CSTE
①	Hinge Pin	1	304 Stainless Steel	
②	Metal Washer	2	304 Stainless Steel	
③	Plastic Washer	2	Polyacetal	
④	Knurled Plastic Clamp Knob - Tapped	1	ABS Resin, 304 Stainless Steel	—
④	Knurled Plastic Clamp Knob - Threaded	1	—	ABS Resin, 304 Stainless Steel
⑤	Hex Socket Flat Head Cap Screw	1	304 Stainless Steel	
⑥	Hex Socket Head Cap Screw	4	304 Stainless Steel	
⑦	Washer for Slotted Holes	4	304 Stainless Steel	
⑧	Spring Washer	4	304 Stainless Steel	
⑨	Stopper Plate	1	304 Stainless Steel	
⑩	Bracket	2	304 Stainless Steel	
⑪	Engineering Plastic Rail	1	Ultrahigh molecular weight polyethylene	

**ex** Example



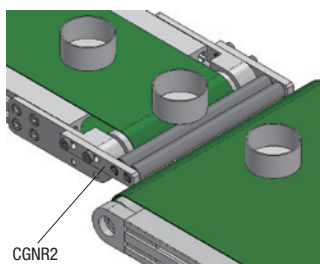
- ① Since it can be fully opened, install it so that the worker can stand on the fulcrum shaft side. (See App. Example.)
- ② The engineering plastic rails can be secured by pressing down the thread part of the knob.
- ③ Please note that the workpiece may be lifted if a belt with high friction coefficient is used.

## Transfer Roller



**Ordering Example**  
 Part Number - Roller Material - W  
 CGNR1 - P - 100

**ex** Example



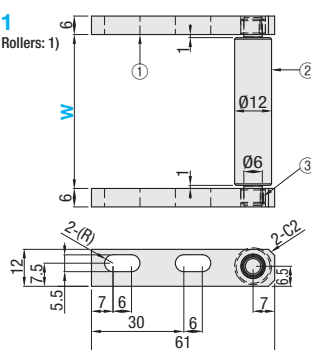
Part Number		Roller Material	W 1mm Increment
Type	Number of Rollers		
CGNR	1	P (Polyacetal)	30~300
	2		
	1	S (304 Stainless Steel)	
	2		

① Applicable Conveyors: SVKA, SVKB

	① Bracket	② Roller		③ Oil-Free Bushing
		Plastic	Steel	
M Material	6063 Aluminum Alloy	Polyacetal	304 Stainless Steel	Ethylene tetrafluoride resin layer with filler material Sintered bronze layered steel back metal layer (Low Carbon Steel(C: Tin Plated))
S Surface Treatment	Clear Anodize	—	—	—

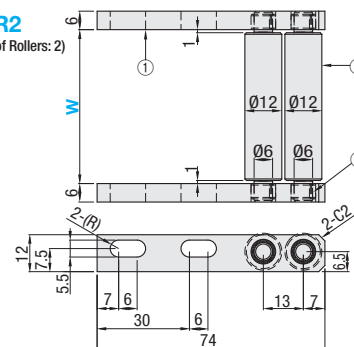
**CGNR1**

(Number of Rollers: 1)



**CGNR2**

(Number of Rollers: 2)



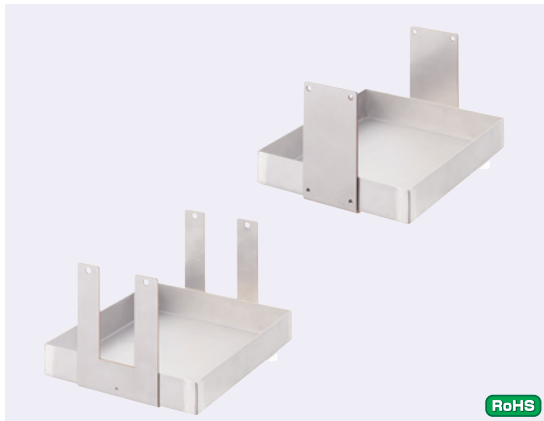
- ① Install with good parallelism.
- ② Bushings are pressed-in. Cannot be removed.
- ③ When selecting Plastic Rollers:  
Limit the load per roller to 3kgf or less.

① Bolt for attachment to the conveyor are not supplied. On the check, I wish purchase a nut size that has been inserted into the side of the conveyor



# Dust Pans

## Dust Pans



RoHS



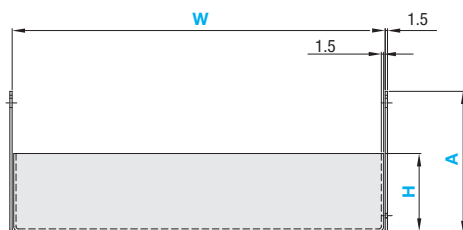
Ordering Example: Part Number - W - L - H - A - (CLU • CDL • CFN)  
CDPT - 250 - 300 - 20 - 150 - CLU2



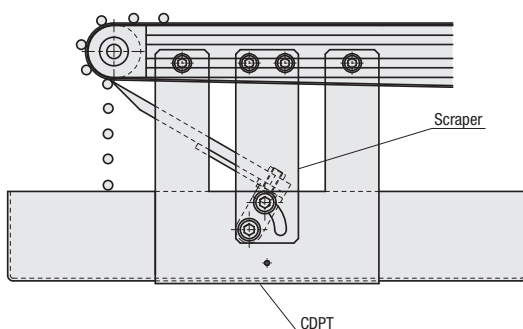
Alterations

Alterations	Water/Oil Discharge Socket Welding	Handle Added	Pan Fixing Knob Added																
Code	CLU • CLD • CRU • CRD	CDL	CFN																
Spec.	<table border="1"> <thead> <tr> <th>No.</th> <th>Rc(PT)</th> <th>D</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1/8</td> <td>15.1</td> <td>23.5</td> </tr> <tr> <td>2</td> <td>1/4</td> <td>19.1</td> <td>29.5</td> </tr> <tr> <td>3</td> <td>3/8</td> <td>22.1</td> <td>30.5</td> </tr> </tbody> </table> <p>Ordering Code: CLU2</p>	No.	Rc(PT)	D	L	1	1/8	15.1	23.5	2	1/4	19.1	29.5	3	3/8	22.1	30.5	<p>The handle made by welding the bent sheet metal. ⊗ Not applicable when W&lt;110.</p>	<p>Knurled Knob (M3) to secure the pan is included. Part Number: NOOS3-6 Specification: P. 2-1078</p>
No.	Rc(PT)	D	L																
1	1/8	15.1	23.5																
2	1/4	19.1	29.5																
3	3/8	22.1	30.5																

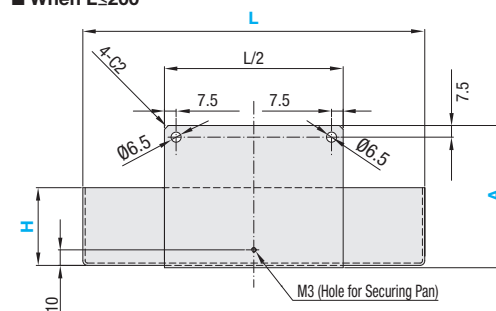
### CDPT



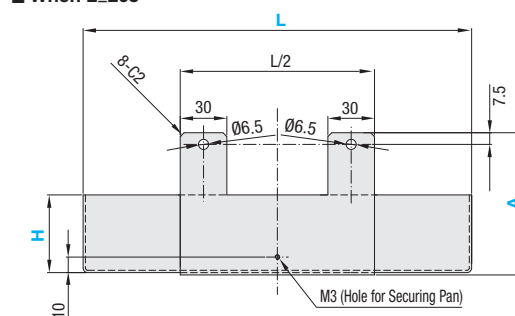
Example



### ■ When L≤200



### ■ When L≥205



ⓘ Also compatible with oil or water drops.

# Press Rollers

## Conveyor Press Rollers - Standard Type



RoHS

Part Number		L	W 1mm Increment	D	d	a	R
TYPE	No						
Fixed CHRS CHRU	28	113	150~550	28.6	8.2	3.5	60
	38	163		38.1	12.2	5.5	75
	57	213		57.2	12.2	6.5	100
Spring Loaded COBS COBU	28	313		28.6	8.2	3.5	60
	38	413		38.1	12.2	5.5	75
	57	513		57.2	12.2	6.5	100
		L≤W					

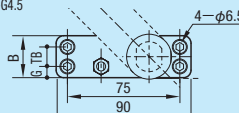
Type		① Roller				
Fixed CHRS CHRU	Spring Loaded COBS COBU	M Material		Lining Urethane Antistatic Urethane	H Hardness Shore 90	Color Natural Color Gray
		Core	Wheel			
		Carbon Steel	Steel			

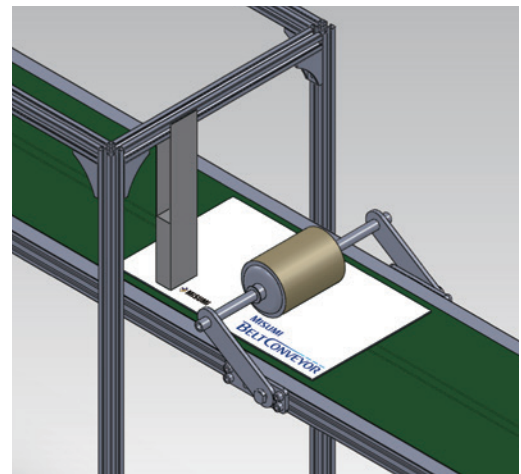
	② Arm	③ Retaining Ring Type C	④ Stainless Steel Tube	⑤ Tension Spring	⑥ Post for Tension Springs	⑦ Conveyor Mounting Bracket	⑧ Plastic Washer
M Material	6061 Aluminum Alloy	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel		Polyacetal
S Surface Treatment	Clear Anodize						

Ordering Example  
**Part Number**  
 Type No L W (TB)  
 COBS 38 313 500 TB15-B30-G4.5

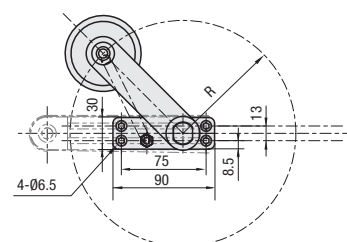
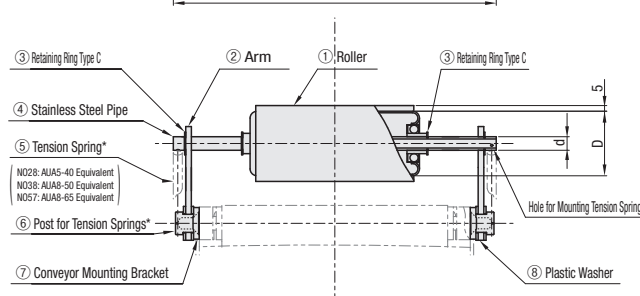
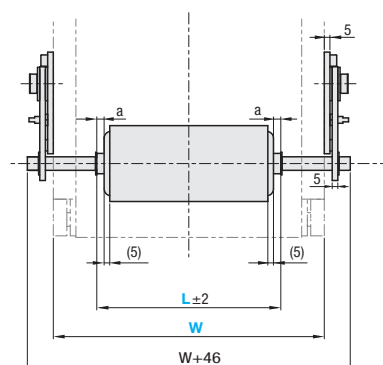
Alterations

Alterations	Mounting Bracket Hole Diameter Specified											
Code	TB											
Spec.	The hole diameter of the conveyor mounting bracket is changed to 1 mm increment.											
	<table><tr><th>TB ①</th><th>B Selection</th><th>G ②</th></tr><tr><th>1mm Increment</th><th></th><th>0.5mm Increment</th></tr><tr><td>12~21</td><td>30</td><td rowspan="2">4.5~9</td></tr><tr><td>12~41</td><td>50</td></tr></table>	TB ①	B Selection	G ②	1mm Increment		0.5mm Increment	12~21	30	4.5~9	12~41	50
	TB ①	B Selection	G ②									
	1mm Increment		0.5mm Increment									
	12~21	30	4.5~9									
12~41	50											
① When B = 30, TB + G≤25.5; When B = 50, TB + G≤45.5												
Ordering Code TB15-B30-G4.5												
												

Example



CHRS CHRU (Fixed)  
 COBS COBU (Spring Loaded)



① ① Roller is fixed on the center.

\*⑤ Tension Spring and ⑥ Tension Spring Post are included with COBS and COBU only.

⑧ Bolt for attachment to the conveyor are not supplied. On the check, I wish purchase a nut size that has been inserted into the side of the conveyor

## Conveyor Press Rollers - Small Rollers



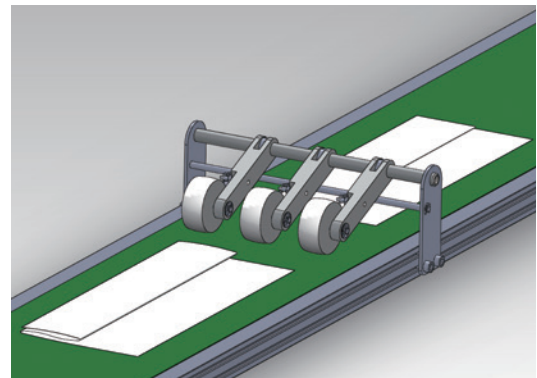
Part Number		Roller	W 1mm Increment	d	S	X	H	R
TYPE	D							
Fixed CKRN CKRU	32	1 2 3	45-550	5	14	35	90	90
	50			6.7	21	43	100	
	75			8.2	25	51	120	
Spring Loaded CBRN CBRU	32			5	14	35	90	90
	50			6.7	21	43	100	
	75			8.2	25	51	120	

Type		① Roller	
Fixed CKRN CKRU	Spring Loaded CBRN CBRU	M Material	Color
		Core	
		Nylon	White
		Urethane (Antistatic)	Brown

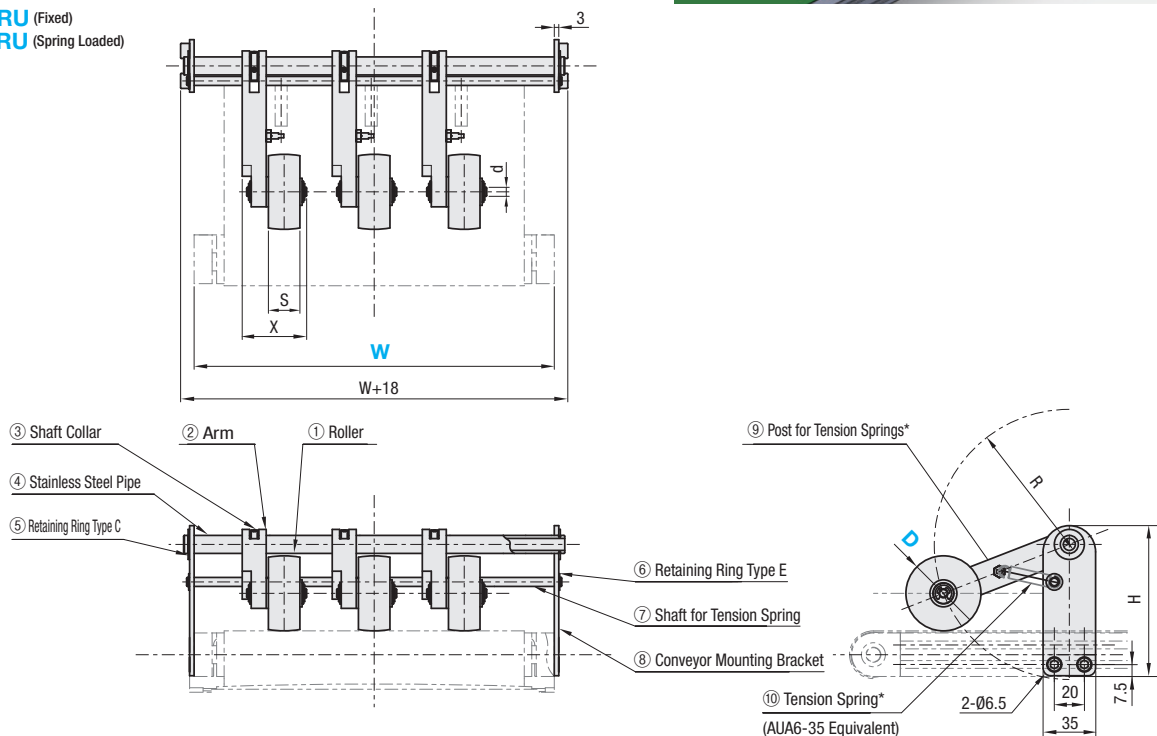
Ordering Example	Part Number	Number of Rollers	W	(TT)
	Type D - 2 - 200 - TT15	CBRN 50		



Alterations	Mounting Bracket Mounting Holes Added
Code	TT
Spec.	The number of mounting holes for the conveyor mounting bracket is changed to 4.
	TT
	D 1mm Increment
	32 8-24 50 8-34 75 8-54
Ordering Code TT15	



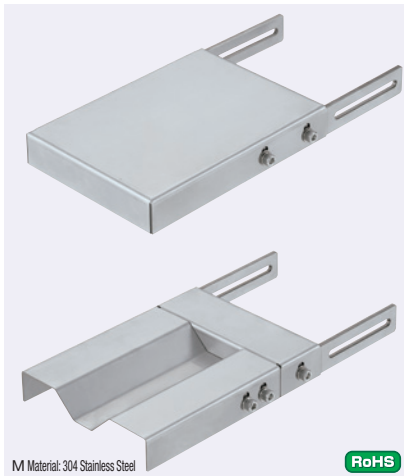
CKRN CKRU (Fixed)  
CBRN CBRU (Spring Loaded)



\*⑨ Tension Spring Post and ⑩ Tension Spring are included with CBRN and CBRU only.

# End Tables

## Conveyor End Tables



**Ordering Example**

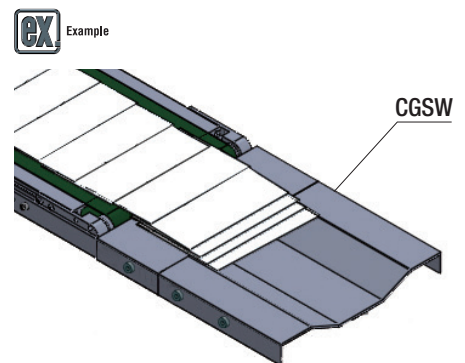
Part Number	W	L	X	V	(YN • YNS)
CGST	100	260	150		
CGSW	255	410	100	90	YNS750

**Alterations**

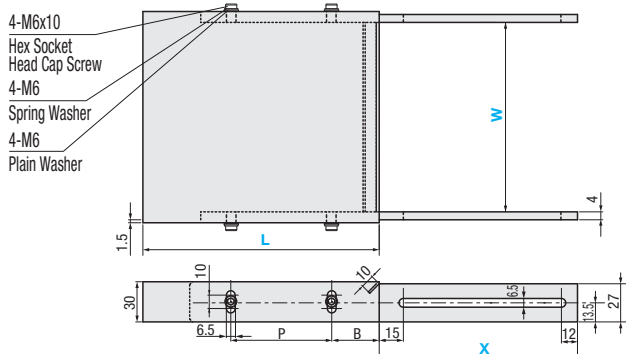
Alterations Code	Welded Nut YN	Welding Nut + Leg YNS
Spec.	<p>M6 nuts are added (welded) on both ends of the table side. This will enhance versatility of mounting.</p> <p>Application conditions are: CGST: <math>L - (B + P + 15) \geq 70</math> CGSW: <math>L - (F + E + P + 15) \geq 70</math></p>	<p>Legs to support load are added. Configurable when <math>W \geq 151</math>. <math>200 \leq YNS \leq 1200</math>. Assembly by customers required (shipped unassembled).</p> <p>Application conditions are: CGST: <math>L - (B + P + 15) \geq 70</math> CGSW: <math>L - (F + E + P + 15) \geq 70</math></p> <p>Ordering Code YNS800</p> <p>Specification Range: 200~1200 (10mm Increment)</p> <p>Accessories: Hex Socket Head Cap Screw x 2 pcs.</p>

Part Number	W 1mm Increment	L 10mm Increment	X Selection	V ① Selection	B	E	F	P	Allowable Load (Kgf)
Flat Type CGST Concave/Convex Type CGSW	85~150	100~250	100 150	15 20	25	20	50	20	15.0
		260~400			50	25	100	100	
		410~500						150	
	151~250	100~250		50 70	25	20	50	20	
		260~400			50	25	100	100	
		410~500						150	
	251~350	100~250		90 130	25	20	50	20	
		260~400			50	25	100	100	
		410~500						150	
	351~500	100~250		100 150	25	20	50	20	
		260~400			50	25	100	100	
		410~500						150	

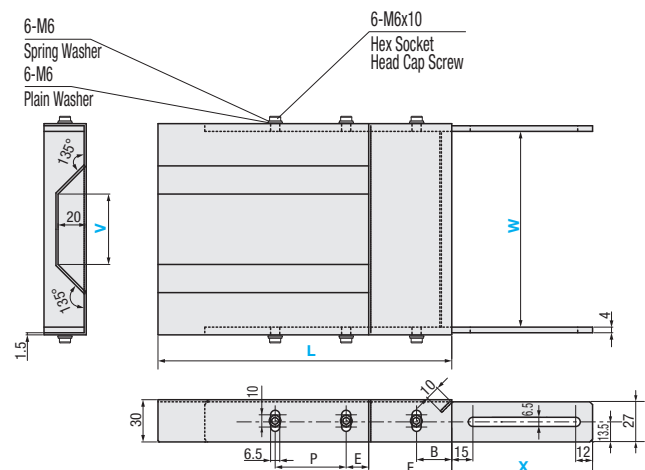
① V dimension needs to be selected only for CGSW.



### CGST (Flat Type)



### CGSW (Concave/Convex Type)



① When  $L \geq 310$ , we recommend the alteration YNS (Welding Nut + Leg).

① Bolt for attachment to the conveyor are not supplied. On the check, I wish purchase a nut size that has been inserted into the side of the conveyor

# Work Benches

## Conveyor Work Benches - Folding Type



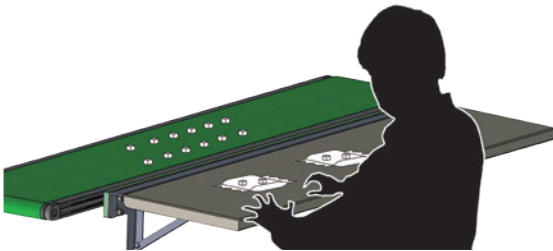
RoHS



Ordering Example  
Part Number - W - L  
Type Table Material M  
CGT A 5 - 200 - 500



Example



CGTA (Aluminum)  
CGTT (Antistatic-Green)

Type	Part Number		W Selection	L 10mm Increment	Allowable Load (Kgf)
	Table Material	M (Mounting Screw) Selection			
CGT	A Aluminum	5 (M5) 6 (M6)	200	260~1000	5.0
			300		
	T Antistatic (Green)		200		
			300		

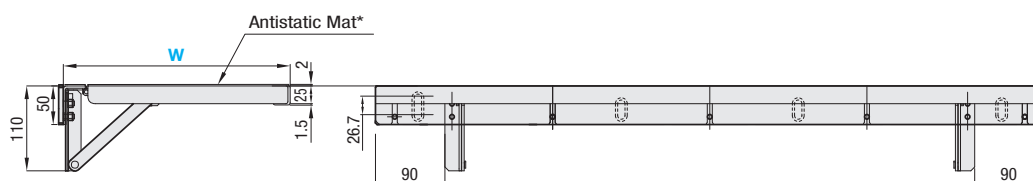
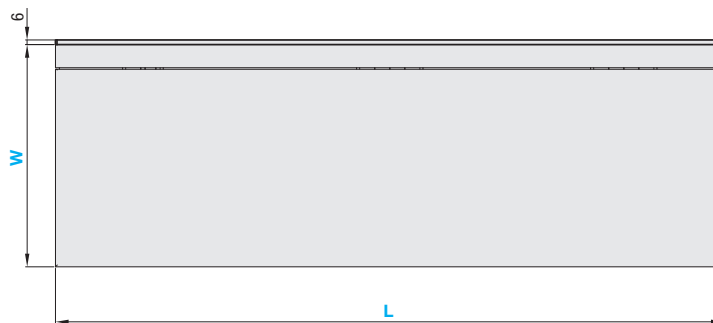
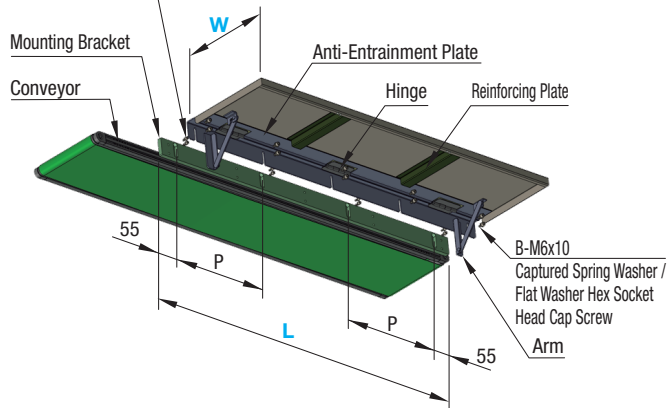
Type	Table Main Unit			Mounting Bracket		Arm
	M Material	S Surface Treatment	Surface Material Thickness (mm)	M Material	S Surface Treatment	M Material
CGTA	Aluminum Alloy	Clear Anodize ①	—	Aluminum Alloy	Clear Anodize ①	304 Stainless Steel
CGTT	Aluminum Alloy + Natural Rubber (Antistatic, Green)		2			

① The cross-sections and machined hole areas are not anodized.

L	A	B	P	Mounting Bracket Number of Mounting Holes (Slotted Holes)	Hinge Qty.	Reinforcing Plate Qty.
200~300	4	6	L-110	2 pcs.	2 pcs.	0 pc.
310~500	6	8	(L-110)/2	3 pcs.	2 pcs.	1 pc.
510~1000	8	10	(L-110)/3	4 pcs.	3 pcs.	2 pcs.

### Back Detail View

A-Mx12,  
Ultra Low Head Cap  
Screw (Hex Sockets)



① Mounting brackets will be shipped unassembled. (The installation manual is included.)

\* The antistatic mat is attached to W dimensions and the mounting bracket (plate thickness 6 mm area) with adhesives.

Conveyor resource site selection and order maintenance all  
[www.misumiusa.com/conveyor](http://www.misumiusa.com/conveyor)

For more  
information ▶ P. 4~

Summary

Flat Belt

BUILT-IN / Flat

Special  
Specifications

Timing Belt

Plastic Chain

Alteration &  
Option

Belt

Technical Data

Compatible  
table



# Sensor Brackets / Post-Assembly Insertion Nuts

## Conveyor Sensor Brackets



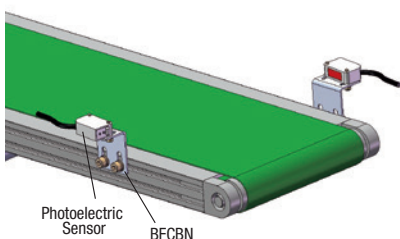
Part Number			
Type	L	No.	N
Straight Slotted Hole Type <b>BFCB</b>	30	3	3.2
		5	5.2
		6	6.2
	40	3	3.2
		5	5.2
		6	6.2
Arched Slotted Hole Type <b>BFCBN</b>	30	3	3.2
		5	5.2
		6	6.2
	40	3	3.2
		5	5.2
		6	6.2

### ■ Sensor Compatibility Table

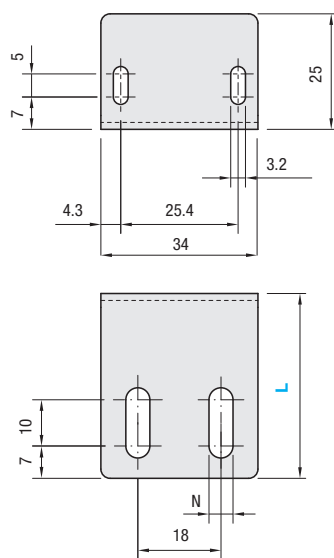
Manufacturer	Part Number
MISUMI	MZL-D, MZL-R, MZL-T, MZ-WD, MZ-LD, MZ-D
Keyence	PZ-G, PZ2, PZ-V/M Series
SUN	CX-L400, LS-H Series
OMRON	E3Z, E3ZM Series

Ordering Example

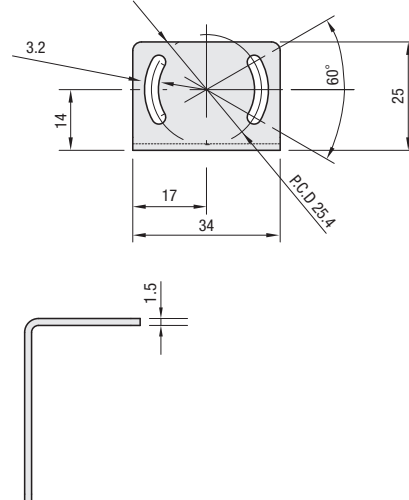
Part Number			
Type	L	-	No.
<b>BFCB</b>	40	-	5



**BFCB** (Straight Slotted Hole Type)



**BFCBN** (Arched Slotted Hole Type)

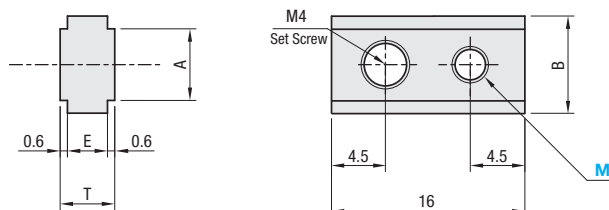


## Post-Assembly Insertion Nuts for Conveyor



Part Number		Accessories (1 pc.)	A	B	E	T	Qty. per Pkg.
TYPE	M	Set Screw					
For Aluminum Extrusion Slot M5 <b>PACK-CHNT5</b>	3 4	M4x5	4.9	7	2.8	4	10 pcs.
For Aluminum Extrusion Slot M6 <b>PACK-CHNT6</b>	3 4 5	M4x6	5.9	8	3.3	4.5	

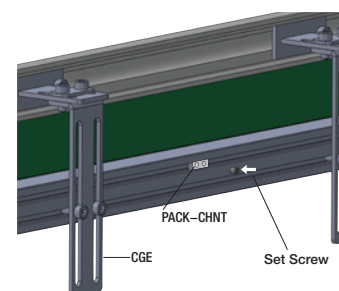
**PACK-CHNT** □



- ① Use pre-assembly insertion nuts to mount heavy objects such as a stand.
- ② Nuts dedicated for the aluminum extrusion of MISUMI conveyors. Use them for the aluminum extrusion slots (for M5 or M6). See the Conveyor Main Unit pages and select an appropriate item.



Position can be fixed with a nut alone by fastening the set screw included.



# Air Nozzle Stands

## Conveyor Air Nozzle Stands



RoHS

Ordering Example	Part Number	L	W	(ADB)
	Type	Attachment		
	CTT	A	300	100
	CSS	H	200	ADB
Part Number	Type	D	No.	
	NZTS	12	H	



Alterations

Alterations	Supporting Posts Added (Both Ends Supported)
Code	ADB
Spec.	The Top Blow Type cantilever is changed to both ends supported. • Accessories 1 Shaft of the same length as specified L dimension x 1 pc 2 Mounting Bracket x 2 3 Stainless Steel Hex Screw x 4 pcs.

### Top Blow Type

Part Number	Type	Attachment	L	W
CTT CTA	A H V		50	50
				100
				150
				200
				250
				300
			100	50
				100
				150
				200
				250
				300
			150	50
				100
				150
				200
				250
				300
			200	50
				100
				150
				200
				250
				300
			250	50
				100
				150
				200
				250
				300
			300	50
				100
				150
				200
				250
				300

- \*1 6 will be made of aluminum for CTA/CSA, but the dimensions will be same as SSDSN.  
See product pages for details.  
\*2 When the attachment H or V is selected, 0 will be attached instead of the part number 5, 6, 7, and 8.  
\*3 The aluminum surface is white anodized.  
① Either M5 or M6 screw can be used to mount fixing brackets.  
② When mounting several brackets with a top blow type, addition of a shaft as alteration is recommended.  
③ When mounting several brackets with a side blow type, use of mounting 2 brackets is recommended.

### Side Blow Type

Part Number	Type	Attachment	L
CSS CSA	A H V		50
			100
			150
			200
			250
			300

### Attachment

Part Number	Type	D
NZTS NZTA		8
		12

### Component List

Part No.	Part Name	Qty.	MMaterial
			CTT CSS NZTS
			CTA CSA NZTA
①	Mounting Bracket	2	304 Stainless Steel
②	Shaft Set Screw	1	304 Stainless Steel
③	Post	1	304 Stainless Steel
④	Shaft	1	304 Stainless Steel
⑤	Air Nozzle Mounting Plate	1	304 Stainless Steel 6061 Aluminum Alloy
⑥	Shaft Collar	1	304 Stainless Steel 6061 Aluminum Alloy
⑦	Air Nozzle Mounting Hex Socket Head Cap Screw	2	304 Stainless Steel
⑧	Hex Socket Flat Head Cap Screw	2	304 Stainless Steel
⑨	Hex Socket Head Cap Screw with Spring Washer	4	304 Stainless Steel
⑩	Nozzle Terminal	1	304 Stainless Steel 6061 Aluminum Alloy

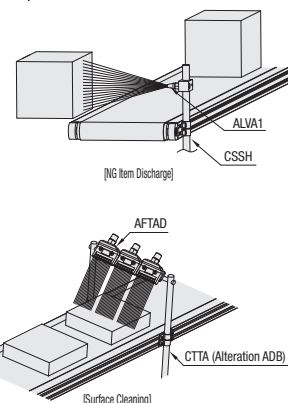
### Air Nozzle Compatibility Table

Types	Attachment	Compatible Nozzle Type	Nominal
Top Blow	A	AFTSP, AFTSF, AFTSA, AFTSS, AFTAD, AFTADA, AFTRW, AFTRSW	—
	H V	PNZRF, ABNZL, ABNZN, ABNZMN, ABNZNL, ABNK, ABNX	M5
Side Blow	H V	NZAK, NZAL, ALVA, ALVS, ARDADA, PNZRF, PNZCS, PNZCV, AFCS	Rc (PT) 1/8
		ABNKH, ABNXH, PNMC, PNMS, DKNZ, DKNZN, DKNZP, DKNZNP, SGP Carbon SteelPN	
		SUTPN, FSGP Carbon SteelPN, FSUTPN, SGP Carbon SteelPW, SUTPW, FSUTPW, SLTWSLR, SLTRS	
		NZRFCS, NZRVFS, NZRCS, NZRS, NZRAJ	

① The compatible nozzle types are listed in the order in which they appear in the catalog.

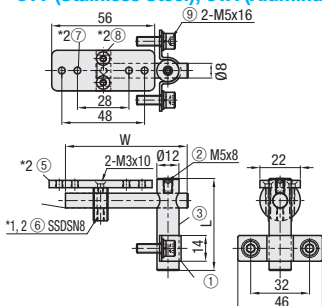


Example



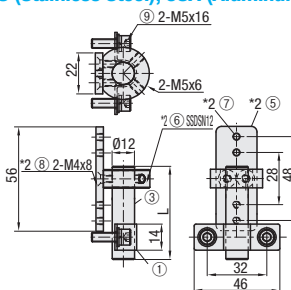
### Top Blow Type

CTT (Stainless Steel), CTA (Aluminum)



### Side Blow Type

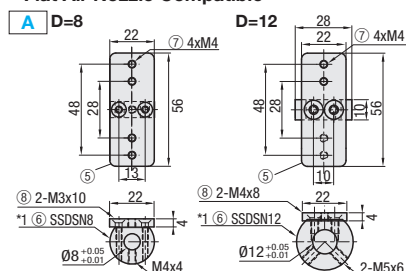
CSS (Stainless Steel), CSA (Aluminum)



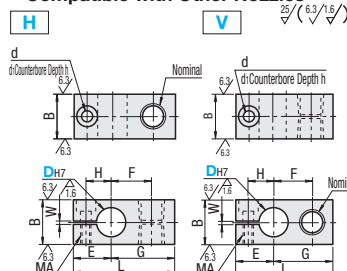
### Attachment

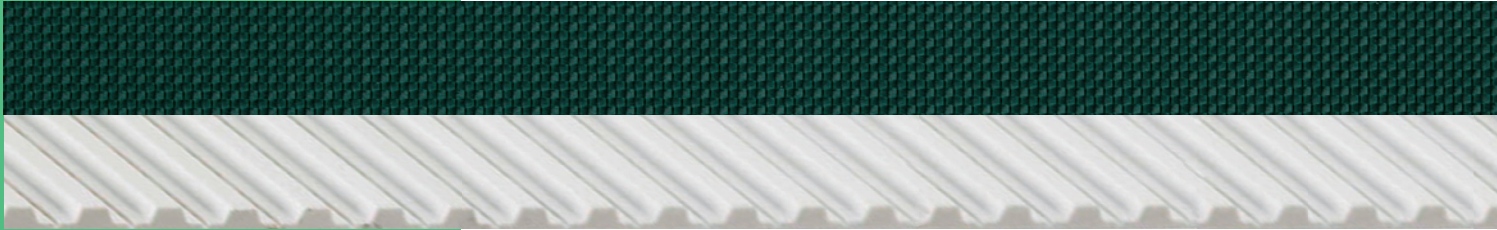
NZTS (Stainless Steel), NZTA (Aluminum)

• Flat Air Nozzle Compatible



### Compatible with Other Nozzles





# Belt

Flat Belt P.97~

Stainless Steel Belt P.103~

Long Timing Belt P.104~

Cleated Belts P.105~

## Expanded Flat Belt Lineups!!



Wide range of specifications, ply count, colors, surface shapes are available.

From such customer demands... Variation in color and surface shape are desired.

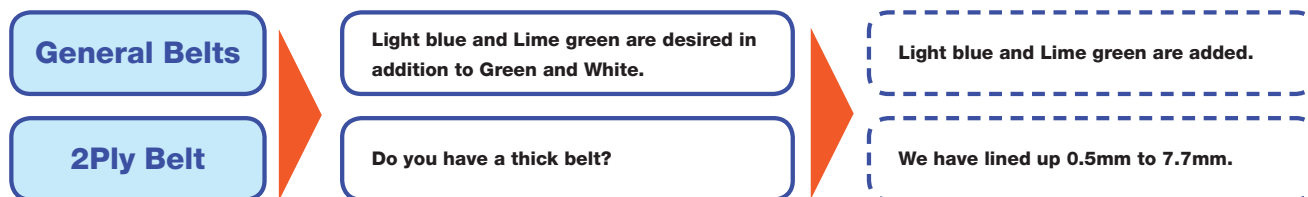
■ Variations in color are available.

White	White	White	White	Green	Green	Black
Black	Navy	Gray	Yellow Green	Sky Blue	Lime Green	

■ Variations in surface shape are made available.

Flat Surface	Grain (fine)	Vertical groove	Diamond Pattern

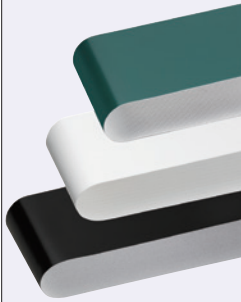
■ Lineups in accordance with the specifications/usage are provided.



# Flat Belt – Belt Specifications –

## Flat Belts

RoHS

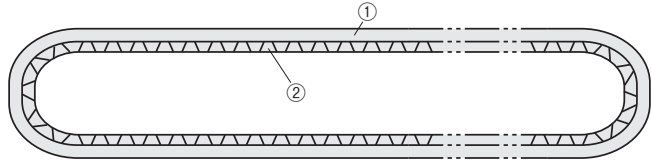


Type Width	Usage	Material		Color Tone	Thickness mm	Weight kg/m <sup>2</sup>	Allowable Stress kg/cm	Min. Pulley Dia. Ømm	Knife Edge	Continuous Use Temperature °C	Friction Coefficient (Ref. Against Polished Steel)	
		① Surface	② Back								Front	Back
HBLT	General Purpose	Polyurethane	Polyester	Green	0.9	1	4	25	R5	-10~80	0.2	0.1
HBLTWH				White								
SHBLTG	Sliding	Urethane Impregnated		Green	0.5	0.5	4	25	R3	-10~80	0.15	0.1
SHBLT				White								
LHBLT	Inclined Transfer	Soft Polyurethane		Green	1.5	1.6	4	30	—	-10~80	1.7	0.1
LHBLTWH				White								
DHBLT	Electronic Parts Conveyor	Conductive Polyurethane		Black	0.6	0.7	3	25	R3	-10~80	0.2	0.1
FHBLT	Food Conveyor	Polyurethane		White	0.8	0.9	3.5	20	R3	-10~80	0.2	0.15
HHBLT	Heat-Resisting	Silicon Rubber		White	1.3	1.4	5	75	—	-40~180	1.5	0.1
OHBLT	Oil-Resisting	Oil-Resistant Chloroethene		Navy	1	1.1	4	25	—	5~60	0.3	0.1
NSHBLT	Non-Adhesive	Polyurethane		White	0.9	1	3.5	25	R5	-10~80	0.2	0.15

① FHBLT and NSHBLT are compatible for food item transferring.



\* W±1 when W=30 or less  
W±2 when W>30



Conveyors Belt Specification	Price Group	Applications	Type	Color	No. of Plies	Front Shape	Material		Friction Coefficient (Ref. against Cold Finished Steel)		Thickness mm	Unit Mass kg/m <sup>2</sup>	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Knife Edge mm	Continuous Use Temperature °C
							Front	Back	Front	Back						
H	Standard Belt	General Purpose	HBLT	Green	1	Flat	Polyurethane	Polyester	0.2	0.1	0.9	1	4	25	R5	-30~80
W	Standard Belt		HBLTWH	White	1	Flat	Polyurethane	Polyester	0.15	0.1	0.9	1	4	25	R5	-30~80
HG	Standard Belt		HBLTG	Green	1	Flat	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-30~80
HGN	Optional Belt 2		HBLTGDN	Green	2	Flat	Polyurethane	Polyester	0.6	0.2	1.7	1.9	8	50	—	-30~100
HBN	Optional Belt 2		HBLBN	Sky Blue	2	Flat	Polyurethane	Polyester	0.6	0.2	1.4	1.3	3	15	R3	-30~100
HY	Optional Belt 2	For Sliding	HBLYGN	Yellow Green	2	Flat	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
G	Standard Belt		SHBLTG	Green	1	—	Urethane-impregnated	Polyester	0.15	0.1	0.5	0.5	4	25	R3	-10~80
S	Standard Belt		SHBLT	White	1	—	Urethane-impregnated	Polyester	0.1	0.1	0.5	0.5	4	25	R3	-10~80
LG	Standard Belt	For Inclined Transfer	LHBLT*2	Green	1	Vertical Grooves	Soft Polyurethane	Polyester	1.7	0.1	1.5	1.6	4	30	—	-10~80
LW	Standard Belt		LHBLTWH*2	White	1	Vertical Grooves	Soft Polyurethane	Polyester	1.7	0.1	1.5	1.6	4	30	—	-10~80
GG	Optional Belt 1	Grip Specification	GBLG	Green	1	Grain (Thin)	Polyurethane	Polyester	0.7	0.2	1.0	0.9	4	15	R3	-30~100
GW	Optional Belt 1		GBLW	White	1	Grain (Thin)	Polyurethane	Polyester	0.7	0.2	1.0	0.9	4	15	R3	-30~100
GSN	Optional Belt 2		GBLGSN	Green	2	Grain (Thin)	Polyurethane	Polyester	0.7	0.2	1.6	1.6	8	25	—	-30~100
OH	Standard Belt	Oil Resistant	OHBLTG	Green	1	Flat	Oil-Resistant Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-30~80
OG	Standard Belt		OHBLTGN	Green	2	Flat	Oil-Resistant Polyurethane	Polyester	0.8	0.2	1.4	1.5	8	25	(R3)*1	-30~80
O	Standard Belt		OHBLT	Navy Blue	1	Flat	Oil Resistant PVC	Polyester	0.3	0.1	1	1.1	4	25	—	5~60
OW	Optional Belt 1		OHBLTW	White	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-30~80
ON	Optional Belt 2		OHBLGN	White	2	Flat	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~80
N	Standard Belt	Non-stick Specification	NSHBLT	White	1	Flat	Polyurethane	Polyester	0.2	0.15	0.9	1	3.5	25	R5	-10~80
NS	Standard Belt		NSHBLTS	White	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-10~80
NB	Optional Belt 1		NSHB	Sky Blue	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-30~100
NBG	Optional Belt 1		NSHBLG	Lime Green	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-30~100
NWN	Optional Belt 2		NSHBWN	White	2	Glossy	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
NSN	Optional Belt 2		NSHBN	Sky Blue	2	Glossy	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
NGN	Optional Belt 2		NSHBLGN	Lime Green	2	Glossy	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
HH	Optional Belt 1		HFHBG	Green	1	Flat	Polyurethane	Polyester	0.4	0.2	0.8	0.7	4	15	R3	-30~100
HW	Optional Belt 1		HFHBW	White	1	Flat	Polyurethane	Polyester	0.4	0.2	0.8	0.7	4	15	R3	-30~100
HBG	Optional Belt 2		HFHBGN	Green	2	Flat	Polyurethane	Polyester	0.4	0.2	1.4	1.4	8	30(15)*1	(R3)*1	-30~100
HBW	Optional Belt 2		HFHBWN	White	2	Flat	Polyurethane	Polyester	0.4	0.2	1.4	1.4	8	30(15)*1	(R3)*1	-30~100
BW	Optional Belt 2		BHFHBWN	White	2	Flat	Polyurethane	Polyester	0.4	0.2	1.4	1.5	8	30(15)*1	(R3)*1	-30~100
F	Standard Belt		FHBLT	White	1	Flat	Polyurethane	Polyester	0.2	0.15	0.8	0.9	3.5	20	R3	-10~80
KW	Optional Belt 1		KBLW	White	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-30~100
KSB	Optional Belt 1		KBLT	Sky Blue	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-30~100
KWN	Optional Belt 2	For Food Transfer	KBLWSN	White	2	Flat	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
KDN	Optional Belt 2		KBLWDN	White	2	Flat	Polyurethane	Polyester	0.6	0.2	1.7	1.9	8	50	—	-30~100
PHB	Optional Belt 1		PHBLB	Sky Blue	1	Diamond	Polyurethane	Polyester	0.6	0.2	1.3	1	4	20	—	-30~100
PHN	Optional Belt 2		PHBLBN	Sky Blue	2	Diamond	Polyurethane	Polyester	0.6	0.2	1.7	1.6	3	30	—	-30~100
PWN	Optional Belt 2		PHBLWN	White	2	Diamond	Polyurethane	Polyester	0.6	0.2	1.7	1.6	3	30	—	-30~100
D	Standard Belt	For Electronic Parts Transfer	DHBLT	Black	1	Flat	Ecologically Conductive Polyurethane	Polyester	0.2	0.1	0.6	0.7	3	25	R3	-10~80
DS	Standard Belt		DHBLTS	Black	1	Flat	Ecologically Conductive Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-10~80
DG	Optional Belt 2		DHBLGN	Black	2	Flat	Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~80

① \*1: The values in ( ) are those when the allowable tension is 5 N/mm. ② \*2: An angle of inclination for LHBLT, LHBLTWH should be 15 degrees or less.

Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
General Purpose	H (Green), W (White), HG (Green)	—	HY (Yellow Green), HBN (Sky Blue)	J (No Belt)
For Sliding	G (White), S (White)	—	YSG (Green), YSW (White)	
For Inclined Transfer	LG (Green), LW (White)	—	—	
Grip Type	—	GG (Green), GW (White)	GSN (Green)	
Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
Non-Stick Food Grade	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
Food Grade	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White)	
Static Conductive	D (Black), DS (Black)	—	DG (Black)	

① Heavy Duty type (CVSE.CVSX) price are different.

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration &amp; Option

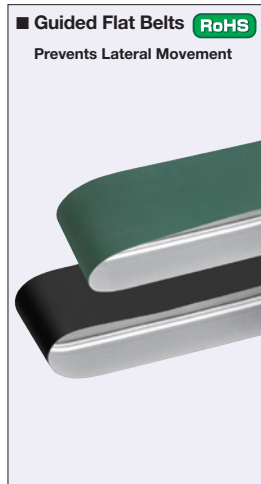
Belt

Technical Data

Compatible table

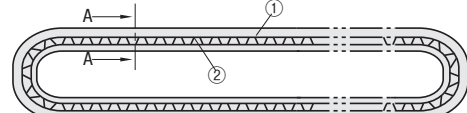
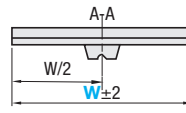
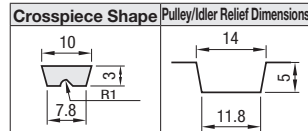


■ Feature: Prevents Lateral Movement.



Type	Usage	Material		Color Tone	Thickness mm	Weight kg/m <sup>2</sup>	Allowable Stress kg/cm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C	Friction Coefficient (Ref. Against Polished Steel)	
		①Surface	②Back							Front	Back
HBLTDS	General Purpose	Polyurethane	Polyester	Green	1.4	1.5	8	25	-30~80	0.8	0.2
HBLTDSG				Green	0.8	0.7	4	15		0.8	0.2
HBLTDSW				White	0.8	0.7	4	15		0.8	0.2
SHBLTDS	Sliding	Polyester		White	1.3	1.1	8	40		0.2	0.2
SHBLTDSG				Green	0.6	0.4	4	20		0.2	0.2
SHBLTDSW				White	0.6	0.4	4	20		0.2	0.2
LHBLTDSG	Inclined Transfer	Polyurethane		Green	1.4	1	4	25		1.3	0.2
LHBLTDSW				White	1.4	1	4	25		1.3	0.2
DHBLTDS	Static Conductive	Conductive Polyurethane		Black	0.8	0.7	4	15		0.8	0.2
OHBLTDS	Oil-Resistant	Oil Resistant		Green	1.4	1.5	8	25		0.8	0.2
OHBLTDSG		Polyurethane		Green	0.8	0.7	4	15		0.8	0.2
NSHBLTDS	Non-Adhesive	Polyurethane		White	0.8	0.7	4	15		0.9	0.2

① HBLTDSW and NSHBLTDS are compatible for food item transferring.



Conveyors Belt Specification	Price Group	Applications	Type	Color	No. of Plies	Front Shape	Material		Friction Coefficient (Ref. against Cold Finished Steel)		Thickness mm	Unit Mass kg/m <sup>2</sup>	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
							Front	Back	Front	Back					
H	Standard Belt	General Purpose	HBLTDSG	Green	1	Flat	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	-30~80
W	Standard Belt		HBLTDSW	White	1	Flat	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	-30~80
G	Standard Belt		SHBLTDSG	Green	1	—	Polyester	Polyester	0.2	0.2	0.6	0.4	4	20	-30~80
S	Standard Belt	For Sliding	SHBLTDSW	White	1	—	Polyester	Polyester	0.2	0.2	0.6	0.4	4	20	-30~80
SN	Standard Belt		SHBLTDS	White	2	—	Polyester	Polyester	0.2	0.2	1.3	1.1	8	40	-30~80
GG	Optional Belt 2	Grip Specification	GBLDSG	Green	1	Grain (Thin)	Polyurethane	Polyester	0.7	0.2	1.0	0.9	4	15	-30~100
GW	Optional Belt 2		GBLDSW	White	1	Grain (Thin)	Polyurethane	Polyester	0.7	0.2	1.0	0.9	4	15	-30~100
O	Standard Belt	Oil Resistant	OHBLTDSG	Green	1	Flat	Oil-Resistant Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	-30~80
OW	Optional Belt 1		OHBLTDSW	White	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~80
N	Standard Belt	Non-stick Specification	NSHBLTDS	White	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~100
NB	Optional Belt 1		NSHDSB	Sky Blue	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~100
NBG	Optional Belt 1		NSHBLGDS	Lime Green	1	Glossy	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~100
HH	Optional Belt 1		HFHBDGSG	Green	1	Flat	Polyurethane	Polyester	0.4	0.2	0.8	0.7	4	15	-30~100
HW	Optional Belt 1		HFHBDSW	White	1	Flat	Polyurethane	Polyester	0.4	0.2	0.8	0.7	4	15	-30~100
KW	Optional Belt 1	For Food Transfer	KBLDSW	White	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~100
KSB	Optional Belt 1		KBLTDSB	Sky Blue	1	Flat	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30~100
PHB	Optional Belt 1		PHBLDSB	Sky Blue	1	Diamond	Polyurethane	Polyester	0.6	0.2	1.3	1	4	20	-30~100
D	Standard Belt	Electronic Parts	DHBLTDS	Black	1	Flat	Eclectically Conductive Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	-30~80

Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
General Purpose	H (Green), W (White), HDS (Green)	—	HY (Yellow Green), HBN (Sky Blue)	J (No Belt)
For Sliding	G (Green), S (White)	—	YSG (Green), YSW (White)	
For Inclined Transfer	LTG (Green), LTW (White)	—	—	
Grip Type	—	—	GG (Green), GW (White), GSN (Green)	
Oil Resistant	O (Green), OG (Green)	OW (White)	ON (White)	
Non-Stick Food Grade	N (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
Food Grade	—	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White)	
Static Conductive	D (Black)	—	DG (Black)	

① Heavy Duty type (CVSF,CVSY) price are different.

① For the belt specs, please refer to page P. 102

① For Timing belts and Plastic chain, please refer to individual pages.

# Flat Belt – Compatible Table By Conveyor Types –



## Ordering Example

Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection
SVKB	100	1000	25	T100	IM	25	H	C

ⓘ Option belts can be selected only with motor brand A or B (Motor C is limited for H • W • G • S • N • F • O • D).

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
SVKA SVKN CVGA CVGN CVSFA CVSE CVSX CVMA	General Purpose	H (Green), W (White), HG (Green)	—	HY (Yellow Green), HBN (Sky Blue)	J (No Belt)
	For Sliding	G (White), S (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LG (Green), LW (White)	—	—	
	Grip Type	—	GG (Green), GW (White)	GSN (Green)	
	Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White)	
	Static Conductive	D (Black), DS (Black)	—	DG (Black)	

ⓘ Heavy Duty type (CVSE,CVSX) price are different.

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
SVKB SVKR CVGB CVGP CVSFC CVSF CVSY CVMB CVSJA	General Purpose	H (Green), W (White), HDS (Green)	—	HY (Yellow Green), HBN (Sky Blue)	J (No Belt)
	For Sliding	G (Green), S (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LTG (Green), LTW (White)	—	—	
	Grip Type	—	—	GG (Green), GW (White), GSN (Green)	
	Oil Resistant	O (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	—	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White)	
	Static Conductive	D (Black)	—	DG (Black)	

ⓘ Heavy Duty type (CVSF,CVSY) price are different.

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
CVGC CVGR CVSFB	General Purpose	H (Green), W (White), HG (Green)	—	HY (Yellow Green), HBN (Sky Blue), HGN (Green), HGT (Green), HWT (White)	J (No Belt)
	For Sliding	G (Green), S (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LG (Green), LW (White)	—	HGN (Green), LWN (White), LYN (Gray)	
	Grip Type	—	GG (Green), GW (White)	GSN (Green), GGN (Green), GWN (White)	
	Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White), KDN (White)	
	Static Conductive	D (Black), DS (Black)	—	DG (Black)	

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration &amp; Option

Belt

Technical Data

Compatible table

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
CVGD CVGW CVSFD	General Purpose	H (Green), W (White), HDS (Green)	—	HY (Yellow Green), HBN (Sky Blue), HGN (Green), HGT (Green), HWT (White)	J (No Belt)
	For Sliding	G (Green), S (White), SN (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LTG (Green), LTW (White)	—	LGN (Green), LWN (White), LYN (Gray)	
	Grip Type	—	—	GG (Green), GW (White), GSN (Green), GGN (Green), GWN (White)	
	Oil Resistant	O (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	—	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White), KDN (White)	
	Static Conductive	D (Black)	—	DG (Black)	

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
CVLPA	General Purpose	HG (Green)	—	HBN (Sky Blue)	J (No Belt)
	For Sliding	—	—	—	
	For Inclined Transfer	—	—	—	
	Grip Type	—	GG (Green), GW (White)	—	
	Oil Resistant	OH (Green)	OW (White)	—	
	Non-Stick Food Grade	NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	—	
	Food Grade	—	KW (White), KSB (Sky Blue)	—	
	Static Conductive	DS (Black)	—	—	

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
CVSMA	General Purpose	H (Green), W (White), HG (Green)	—	HY (Yellow Green), HBN (Sky Blue), HGN (Green), HGT (Green), HWT (White)	J (No Belt)
	For Sliding	G (Green), S (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LG (Green), LW (White)	—	HGN (Green), LWN (White), LYN (Gray)	
	Grip Type	—	GG (Green), GW (White)	GSN (Green), GGN (Green), GWN (White)	
	Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White), KDN (White)	
	Static Conductive	D (Black), DS (Black)	—	DG (Black)	

Part Number	Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
CVSMB	General Purpose	H (Green), W (White), HG (Green)	—	HY (Yellow Green), HBN (Sky Blue), HGN (Green), HGT (Green), HWT (White)	J (No Belt)
	For Sliding	G (Green), S (White)	—	YSG (Green), YSW (White)	
	For Inclined Transfer	LG (Green), LW (White)	—	HGN (Green), LWN (White), LYN (Gray)	
	Grip Type	—	GG (Green), GW (White)	GSN (Green), GGN (Green), GWN (White)	
	Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
	Non-Stick Food Grade	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
	Food Grade	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (Sky Blue), KWN (White), KDN (White)	
	Static Conductive	D (Black), DS (Black)	—	DG (Black)	

① For flat belt details, see P.102

② For Timing belts and Plastic chain, please refer to individual pages.

# Flat Belt – Specification Table By Belt Types –

## ■ Flat Belt

Parameter	Type	Food sanitation	Antibacterial and Antifungal Property	Fray Prevention	Water / Moisture Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to Imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
H	HBLT	○	—	—	△	△	△	△	△	△	△
W	HBLTWH	○	—	—	△	△	△	△	△	△	△
HG	HBLTG	○	—	○	○	○	—	—	○	—	○
HGN	HBLTGDN	○	—	○	○	○	—	—	○	—	○
HBN	HBLBN	○	○	○	○	○	—	—	○	—	○
HY	HBLYGN	○	—	○	○	○	—	—	○	—	○
G	SHBLTG	○	—	—	△	△	△	△	△	△	△
S	SHBLT	○	—	—	△	△	△	△	△	△	△
LG	LHBLT	○	—	—	△	△	△	△	△	△	△
LW	LHBLTWH	○	—	—	△	△	△	△	△	△	△
GG	GBLG	○	—	○	○	○	—	—	○	—	○
GW	GBLW	○	○	○	○	○	—	—	○	—	○
GSN	GBLGSN	○	—	○	○	○	—	—	○	—	○
OH	OHBLTG	○	—	○	—	—	—	—	—	—	◎
OG	OHBLTGN	○	—	○	—	—	—	—	—	—	◎
O	OHBLT	—	—	○	△	△	△	△	△	△	◎
OW	OHBLTW	○	—	○	—	—	—	—	—	—	◎
ON	OHBLGN	○	—	○	—	—	—	—	—	—	◎
N	NSHBLT	○	○	○	△	△	○	△	△	○	△
NS	NSHBLTS	○	○	○	○	○	◎	—	○	○	○
NB	NSHB	○	○	○	○	○	◎	—	○	○	○
NBG	NSHBLG	○	○	○	○	○	◎	—	○	○	○
NWN	NSHBWN	○	○	○	○	○	◎	—	○	○	○
NSN	NSHBN	○	○	○	○	○	◎	—	○	○	○
NGN	NSHBLGN	○	○	○	○	○	◎	—	○	○	○
HH	HFHBG	○	—	○	○	○	—	—	○	◎	○
HW	HFHBW	○	—	○	○	○	—	—	○	◎	○
HBG	HFHBGN	○	—	○	○	○	—	—	○	◎	○
HBW	HFHBWN	○	—	○	○	○	—	—	○	◎	○
BW	BHFHBWN	○	—	○	○	○	—	—	○	◎	○
F	FHBLT	○	○	○	△	△	△	△	△	△	△
KW	KBLW	○	○	○	○	○	—	—	○	—	○
KSB	KBLT	○	○	○	○	○	—	—	○	—	○
KWN	KBLWSN	○	○	○	○	○	—	—	○	—	○
KDN	KBLWDN	○	○	○	○	○	—	—	○	—	○
PHB	PHBLB	○	○	○	○	○	—	—	○	◎	○
PHN	PHBLBN	○	○	○	○	○	—	—	○	◎	○
PWN	PHBLWN	○	○	○	○	○	—	—	○	◎	○
D	DHBLT	○	—	—	△	△	△	△	△	△	△
DS	DHBLTS	—	—	○	—	—	—	—	—	—	○
DG	DHBLGN	—	—	○	—	—	—	—	—	—	○

○ : Best suited, △ : Applicable, ◎ : May be applicable, — : Not applicable

## ■ Flat Belt - With Meandering Prevention Crosspiece

Parameter	Type	Food sanitation	Antibacterial and Antifungal Property	Fray Prevention	Water / Moisture Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to Imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
H	HBLTDSG	○	—	○	○	○	—	—	○	—	○
W	HBLTDSW	○	—	○	○	○	—	—	○	—	○
G	SHBLTDSG	○ <sup>*1</sup>	—	○	○	○	—	—	○	○	○
S	SHBLTDSW	○	—	○	○	○	—	—	○	○	○
SN	SHBLTDS	○ <sup>*1</sup>	—	○	○	○	—	—	○	○	○
GG	GBLDSG	○	—	○	○	○	—	—	○	—	○
GW	GBLDSW	○	○	○	○	○	—	—	○	—	○
O	OHBLTDSG	○	—	○	—	—	—	—	—	—	◎
OW	OHBLTDSW	○	○	○	○	○	◎	—	○	○	○
N	NSHBLTDS	○	○	○	○	○	◎	—	○	○	○
NB	NSHDSB	○	○	○	○	○	◎	—	○	○	○
NBG	NSHBLGDS	○	○	○	○	○	◎	—	○	○	○
HH	HFHBDSG	○	—	○	○	○	—	—	○	◎	○
HW	HFHBDSW	○	—	○	○	○	—	—	○	◎	○
KW	KBLDSW	○	○	○	○	○	—	—	○	—	○
KSB	KBLTDSB	○	○	○	○	○	—	—	○	—	○
PHB	PHBLDSB	○	○	○	○	○	—	—	○	◎	○
D	DHBLTDS	—	—	○	—	—	—	—	—	—	○

\*1 : Cannot be used for bare transfer of oil and fatty foods.

○ : Best suited, △ : Applicable, ◎ : May be applicable, — : Not applicable

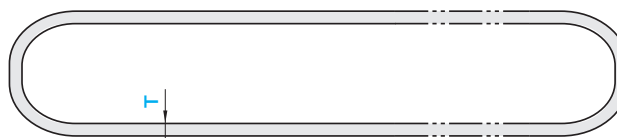
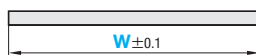
# Stainless Steel Belts

■ Feature : Stainless steel belt with superior flatness, Heat-Resistant, and electrical conductivity.

## ■ Stainless Steel Belt



Type	M Material	Thickness mm	Weight kg/m <sup>2</sup>	Allowable Stress kg/cm	Min. Pulley Dia. mm	Continuous Use Temperature °C	Electrical Resistance of Surface Ω	Friction Coefficient (Ref. against Polished Steel)	H Surface Hardness HV	Young's Modulus kgf/mm <sup>2</sup>	Heat Expansion Coefficient x10 <sup>-6</sup> /°C
STHBLT	304H Stainless Steel	0.1	0.8	4	50	-80~110	0.2	0.2	370 or Over	19700	17.3
		0.15	1.2	6	75	-80~120	0.3				
		0.2	1.6	8	100	-80~130	0.5				



① Belt thickness tolerance is ±10% of the thickness.

Part Number		Belt Width W (mm) 1mm Increment	Belt Length L (m) 0.01mm Increment	Body Price/m	Belt Joining Charge (Body Price + )
Type	Belt Thickness T (mm)				
STHBLT	0.1	10~20	0.50~10.00		
		21~30	0.80~10.00		
		31~40			
		41~50			
		51~60			
		61~70			
		71~80			
		81~90			
		91~100			
		101~120			
		121~140			
		141~150			



Ordering  
Example

Part Number - Belt Width (mm) - Belt Length L (m)  
Type Belt Thickness  
STHBLT 0.1 - 25 - 2.24

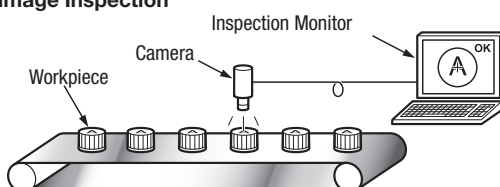
## ■ Cautionary Points on Usages

- ① Belts with 0.1 and 0.15 thickness are not suitable for accumulating transfer applications.
- ① Avoid causing impacts in through-thickness direction as it is very thin.
- ① The belt life will be reduced if dented.
- ① When loading items on the belt, use sliding chutes to avoid shock loads.
- ① Do not continue to use with foreign matter trapped between the belt and belt supports, workpiece guides, etc.
- ① The product surfaces coming in contact with the belt should be softer than the belt.
- ① Use dedicated pulleys and idlers.
- ① Belts cannot be tensioned from the back side.

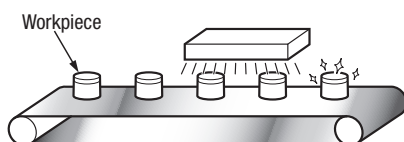


Example

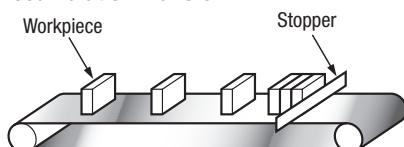
## ■ Image Inspection



## ■ Sterilization by UV and Alcohol

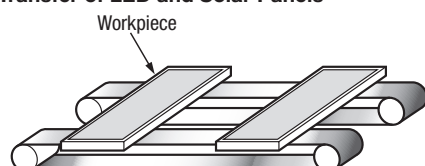


## ■ Accumulation Transfer



① Belts with 0.1 and 0.15 thickness are not suitable for accumulating transfer applications.

## ■ Transfer of LED and Solar Panels



## ■ Chemical Resistance

Chemical Name	Stainless Steel Belt STHBLT
Isopropyl Alcohol	○
Ethanol	○
Potassium Chloride	○
Calcium Chloride	○
Hydrochloric Acid (Gas)	X
Hydrochloric Acid (5% or less)	X
Hydrochloric Acid (5~36%)	X
Caustic Soda	○
Caustic Soda Solution (50%)	○
Volatile Oil	○
Strong Alkali	○
Strong Acid	X
Light Oil	○
Ethyl Acetate	△
Sodium Hypochlorite (Undiluted Solution)	X
Sodium Hypochlorite (600ppm)	X
Weak Alkali	○
Weak Acid	○
Soap	○
Machining Oil	○
Diesel Oil	○
Toluene	○
Naphthalene	○
Paraffin Oil	○
Phenol	○
Antirust Oil	○
Machine Oil	○
Methanol	○
Sulfuric Acid (10%)	X
Sulfuric Acid (50%)	X
Sulfuric Acid (70%)	X
Sulfuric Acid (98%)	X

○ : Not affected at all △ : Slightly affected X : Severely affected

① The above table shows adequacy in the condition where materials including chemicals and oil are loaded on belt surface and carried at a room temperature. Actual conditions may differ in cases where belts are completely submerged in materials or used in higher temperature than room temperature.

① Care must be taken for rusts resulting by chlorides and acids.

## ■ Resistance Against Foods

Food	Stainless Steel Belt STHBLT
Yeast	○
Tea Leaf	○
Olive Oil	○
Fruit	○
Cashew Nuts	○
Cream	○
Spice	○
Grain	○
Coffee Beans	○
Flour	○
Rice Grain	○
Fish	○
Sugar	○
Salt	○
Salt Water	○
Fat	○
Cooking Oil	○
Syrup	○
Soy Sauce	○
Vinegar	○
Sauce	○
Molasses	○
Meat	○
Butter	○
Bread	○
Peanut Oil	○
Beer	○
Margarine	○
Mayonnaise	○
Water	○
Lard	○

Conveyor resource site selection and order maintenance all

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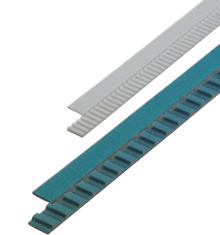
For more  
information

▶ P. 4~

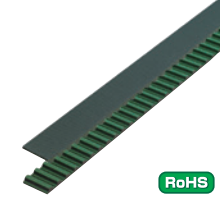


# Long Timing Belt

## Long Timing Belt Iron Rubber®



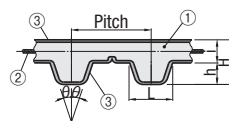
## Long Timing Belt Polyurethane



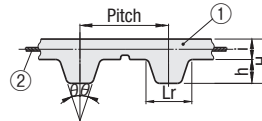
Type	Specification	Color	Material			Operating Temperature
			① Main Body	② Core Cord	③ Canvas	
LTBRA	For Sliding	Green	Iron Rubber® (Polyurethane)	High Tensile Steel Cord	Nylon Canvas	0°C~80°C
LTBJA	General Purpose	Translucent			—	
LTBR	For Sliding	Green	Polyurethane	Aramid Core Cord	Nylon Canvas	-20°C~70°C

① The operating temperature is a reference value.

(Both Sides Cloth Lined)  
LTBRA (Iron Rubber®)  
LTBR (Polyurethane)



(Standard)  
LTBJA (Iron Rubber®)



Part Number				Belt Width (mm)	Allowable Tension (N)	Pitch	2Ø (°)	H	h	i	L	Belt Unit Mass g/m (Width 10mm)	Compatible table		
Type	Belt Type	Belt Nominal Width	Number of Teeth										LTBRA	LTBJA	LTBR
LTBRA	T5	100	120~9900	10	150	5	40°	2.2	1.2	1.0	2.67	20.8	○	○	—
LTBJA	T5	200		20	270	5	40°	2.2	1.2	1.0	2.67	20.8	○	○	—
LTBRA	T10	200	70~5000	20	440	10	40°	4.5	2.5	2.0	5.32	40.0	○	—	—
LTBR	T10	200	70~5000	20	120	10	40°	4.5	2.5	2.0	3.5	32.5	—	—	○

① Iron Rubber® is a registered trademark of NOK Corporation. ② The allowable tensile load only applies to tensile direction.

③ Applicable belts for the conveyor models are as shown below.

Conveyor Part Numbers - Belt P/N

CVSTC-10, CVSTR-10:LTBRA-T5100, LTBJA-T5100

CVSTC-20, CVSTR-20:LTBRA-T5200, LTBJA-T5200

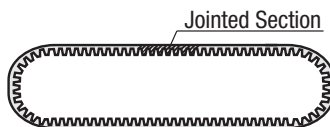
CVGTA, CVGTN:LTBRA-T5100

CVGTB:LTBRA-T10200

CVGTP:LTBR-T10200

## Jointing Process

Open end belt is made endless by heat bonding process.  
The core cord is not connected at the seam.



## Friction Coefficient Comparison Chart (Reference Values)

Mating Material	Belt Type	LTBRA	LTBJA	LTBR	
		Tooth Side - Back Side		Tooth Side	Back Side
		Cloth Lined Type	Standard Type	Cloth Lined Type	Cloth Lined Type
Steel		—	—	0.34	0.29
Stainless Steel		0.3	0.6	0.22	0.17
Aluminum		—	—	0.19	0.15
Polyamide		0.2	0.3	—	—
Ultrahigh molecular weight polyethylene		0.2	0.3	0.18	0.17
Teflon		—	—	0.12	0.12

① The value in the table are actually measured examples, and not Standard Values.



Ordering Example

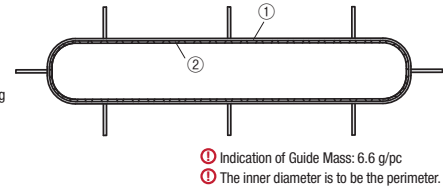
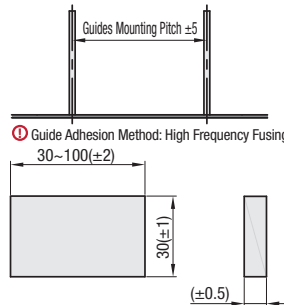
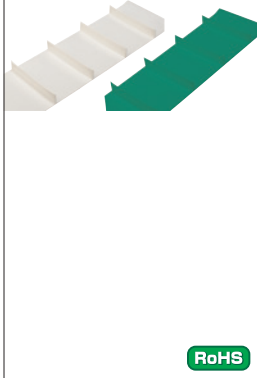
Part Number			
Type	Belt Type	Belt Nominal Width	Number of Teeth
LTBJA	T5	100	800
LTBRA	T10	200	300

# Cleated Belts / Engineering Plastic Block Chain

## ■ Cleated Belts

Type	Applications	No. of Plies	Material		Color	Flat Belt			Min. Pulley Dia. Ømm	Continuous Use Temperature °C	Food compatible	Friction Coefficient		Color	Guide Hardness Shore A (?)
			① Front	② Back		Allowable Tension N/mm	Thickness mm	Unit Mass kg/m <sup>2</sup>				Front	Back		
YBLTG	Inclined Transfer	2	Thermoplastic Polyurethane	Polyester Canvas	Green	4.6	1.3	1.5	50	-15~80	X	—	—	Green	70
YBLTW	Flat Conveyance				White	6	1.2	1.3	50	-30~80	○	—	—	White	

- ① Keep the load mass under 2 kg per guide. The guide is heat-welded. Avoid overload because it may cause damage or deformation.
- ② Do not use the product outside the allowable range listed in the specification table (pulley diameter, tension, temperature, etc.).
- ③ Do not leave the product packed for a long term. The belts are wrapped with plastic tapes and the guide shape may deform slightly.



① The belt width W dimension should be same as the guide width dimension.

• The food-compliant belts have the functions required for the following authority.

YBLTW:

\*FDA.....Food and Drug Administration - One of the United States federal executive departments that professionally implements administration for approval and regulation of consumer products with which people have contact in normal life, including food, medicinal products, cosmetics, medical devices, veterinary products, and toys.

Part Number		Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment
Type	Belt Width W (mm)			
YBLTG	30	30	5~240	1.00~7.00
	50			
	100			
	150			
	200			
	250			
	300			

Part Number		Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment
Type	Belt Width W (mm)			
YBLTW	30	30	5~240	1.00~7.00
	50			
	100			
	150			
	200			
	250			
	300			

- ① Flat belts are weld-jointed before shipping.
- ② For a conveyor example with this belt, see P.56
- ③ Specify the Crosspiece Mounting Pitch by dividing the Belt Length into whole numbers. If not divisible, evenly weld the horizontal frame.



Ordering Example

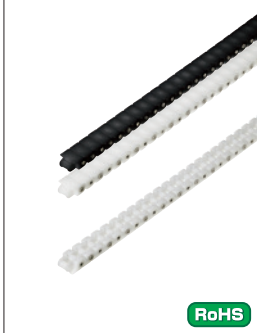
Part Number		Crosspiece Height	No. of Crosspieces	Belt Length L (m)
Type	Belt Width (mm)			
YBLTW	100	30	10	3.0

① Belt Price Calculation Method

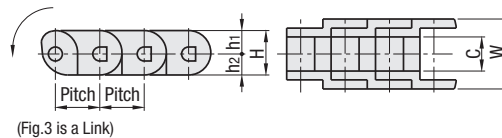
Ex.: YBLTW100-30-10-3.0

Belt Body Price x Belt Length L(m) + Crosspiece Unit Price x No. of Horizontal Frames + Belt Jointing Charge = Crosspiece Flat Belt Price

## ■ Engineering Plastic Block Chain



CHEE#40



(Fig.3 is a Link)

- ① Only bends in the arrow direction. Will not bend in the opposite direction.
- ② The product may be worn out faster depending on your operating conditions.

Material  
Chain: Polyacetal  
Pin: SUS304

Part Number		Number of Links	Number of Track(s)	Applications	External Color	Allowable Tension (N)	Allowable Chain Speed (m/min)	Slide Friction Coefficient f <sub>t</sub>	Reference Mass (kg/m)	Operating Temperature (°C)	Pitch	C	W	H	h <sub>1</sub>	h <sub>2</sub>	Number of Links per Unit
Type	No.																
CHEED	40	4~	1	General Purpose	White	441	60	0.25	0.32	-5~65	12.7	7.95	20	12.7	6.7	6	240 (circumferential length 3048m)
CHEEC	40			Electrical Conductivity	Black	340	60	0.25	0.32	-20~80	12.7	7.95	20	12.7	6.7	6	240 (circumferential length 3048m)
CHEEH	40			Heat Resistance	Black	440	100	0.25	0.32	-20~150	12.7	7.95	20	12.7	6.7	6	240 (circumferential length 3048m)
CHEEY	40			Chemical Resistance	White	250	60	0.25	0.32	-20~80	12.7	7.95	20	12.7	6.7	6	240 (circumferential length 3048m)

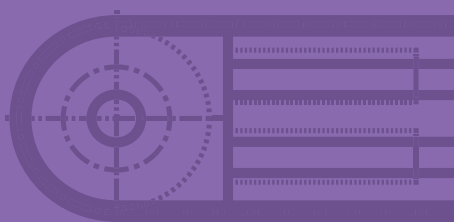


Ordering Example

Part Number		Number of Links
Type	No.	
CHEED40	200	

Conveyor resource site selection and order maintenance all  
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For more information ▶ P. 4~



# Technical Data

Belt and Chain Specification P.107~

Belt Replacement Procedure P.108~

Motor Type P.110~

# Belt and Chain Specification

## ◆ About Belt and Plastic Chain Replacement

Please note the followings when replacing worn belts.

### ① Minimum Belt Pulley Diameter

There is a limit on minimum pulley diameter (bending diameter) of belts. For Flat Belt, confirm that the selection is applicable to the conveyor pulley diameter by referring to **P.98~99**.

### ② Calculations of Belt and Plastic Chain Lengths

Calculate and confirm the belt and plastic chain lengths by referring to the table below.

### ③ Direction of Conveyance

Please note that some belts have a specified direction of conveyance.

## ■ Formula of Belt Length

Part Number	Belt Type	Number of Track(s)	Drive Module Position	Pulley Dia.	Formula	Unit
SVKA	Flat Belt	Single Track	Head	30	$(2L + 97) / 1.002 / 1000$	m <sup>*2</sup>
SVKB	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + 97) / 1.002 / 1000$	m <sup>*2</sup>
SVKN	Flat Belt		Center	30	$(2L + A) / 1.002 / 1000^6$	m <sup>*2</sup>
SVKR	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + A) / 1.002 / 1000^6$	m <sup>*2</sup>
CVGA	Flat Belt		Head	30	$(2L + 94) / 1000$	m <sup>*2</sup>
CVGB	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + 94) / 1000$	m <sup>*2</sup>
CVGC	Flat Belt			50	$(2L + 160) / 1000$	m <sup>*2</sup>
CVGD	Flat Belt (With Meandering Prevention Crosspiece)			50	$(2L + 160) / 1000$	m <sup>*2</sup>
CVGN	Flat Belt		Center	30	$(2L + A) / 1000^6$	m <sup>*2</sup>
CVGP	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + A) / 1000^6$	m <sup>*2</sup>
CVGR	Flat Belt			50	$(2L + A) / 1000^6$	m <sup>*2</sup>
CVGW	Flat Belt (With Meandering Prevention Crosspiece)			50	$(2L + A) / 1000^6$	m <sup>*2</sup>
CVSFC	Flat Belt (With Meandering Prevention Crosspiece)		Head	30	$(2L + 97) / 1.002 / 1000$	m <sup>*2</sup>
CVSFD				50	$(2L + 160) / 1.002 / 1000$	m <sup>*2</sup>
CVSE	Flat Belt			60/30	$(2L + 161) / 1.002 / 1000$	m <sup>*2</sup>
CVSF	Flat Belt (With Meandering Prevention Crosspiece)			60/30	$(2L + 161) / 1.002 / 1000$	m <sup>*2</sup>
CVSX	Flat Belt		Center	30	$(2L + 284) / 1.002 / 1000$	m <sup>*2</sup>
CVSY	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + 284) / 1.002 / 1000$	m <sup>*2</sup>
CVSSA	Stainless Steel Belts		Head	50	$(2L + 160) / 1000$	m <sup>*2</sup>
CVSFA	Flat Belt			30	$(2L + 97) / 1.002 / 1000$	m <sup>*2</sup>
CVSFB				50	$(2L + 160) / 1.002 / 1000$	m <sup>*2</sup>
CVSJA	Flat Belt (With Meandering Prevention Crosspiece)		Center	30	$(2L + 262) / 1.002 / 1000$	m <sup>*2</sup>
CVMA	Flat Belt		Head	30	$(2L + 94) / 1000$	m <sup>*2</sup>
CVMB	Flat Belt (With Meandering Prevention Crosspiece)			30	$(2L + 94) / 1000$	m <sup>*2</sup>
CVDSA, CVDSB	Guided Flat Belts		Head	50	$(2L + 160) / 1000$	m <sup>*2</sup>
CVLPA	Flat Belt		Center	15	$(2L + 223) / 1000$	m <sup>*2</sup>
CVSMA	Flat Belt		Motor Integrated	70	$(2L + 220) / 1.002 / 1000$	m <sup>*2</sup>
CVSMB	Flat Belt		Motor Integrated	32	$(2L + 100) / 1000$	m <sup>*2</sup>
CVSTC	Timing Belt	Two Rows	Head	19/20	CVSTC10: $(2L + 130) / 5$	Teeth
					CVSTC20: $(2L + 165) / 5$	
CVSTR	Center		19/20	CVSTR10: $(2L + 215) / 5$	Teeth	
				CVSTR20: $(2L + 240) / 5$		
CVSPC	Plastic Chain		Head	57 <sup>*1</sup>	$(2L + 179) / 12.7$	Link <sup>*4</sup>
CVSPA	Plastic Chain		Head	57 <sup>*1</sup>	$(2L + 179) / 12.7$	Link <sup>*4</sup>
CVGTA	Timing Belt		Head	30	$(2L + 100) / 5$	Teeth <sup>*3</sup>
CVGTB				50	$(2L + 180) / 10$	Teeth <sup>*4</sup>
CVGTN			Center	30	$(2L + 260) / 5$	Teeth <sup>*3</sup>
CVGTP		50		$(2L + 420) / 10$	Teeth <sup>*5</sup>	
CVSTD	Timing Belt	Center	30	$(2L + 355) / 5$	Teeth <sup>*4</sup>	

\*1 For Plastic Chains, sprocket's P.C.D. is shown.

\*2 Round the 3rd place under decimal point

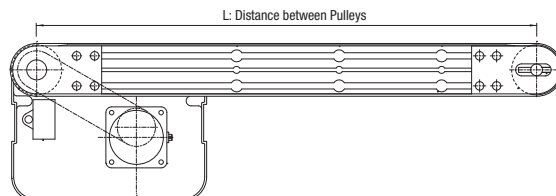
\*3 Round off all under decimal point

\*4 Round under decimal point

\*5 Round up under decimal point

\*6 For alterations on Roller Edge, refer to the formula and table below.  $(2L + A) / 1.002 / 1000$

A Value		SVKN	SVKR	CVGN/CVGP	CVGR/CVGW
Std.		270	270	270	330
HR	One End Roller Edge	257	257	250	300
WR	Both Ends Roller Edge	244	244	240	260



# Belt Replacement Procedure (Head Drive • Center Drive)

Summary

Flat Belt

BUILT-IN / Flat

Special  
Specifications

Timing Belt

Plastic Chain

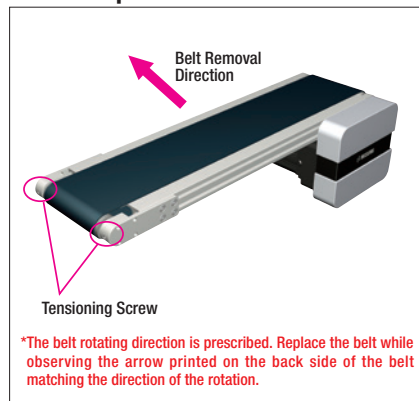
Alteration &  
Option

Belt

Technical Data

Compatible  
table

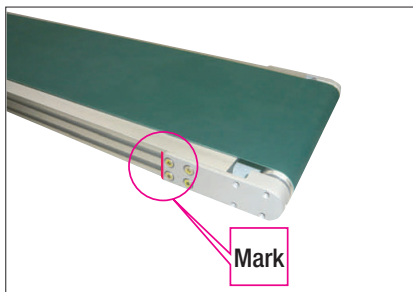
## ■ Belt Replacement ~Head Drive~



① Applicable P/N: SVKA, SVKB

### STEP 1

Place a mark to note the existing tension condition. Do the same for the other side.



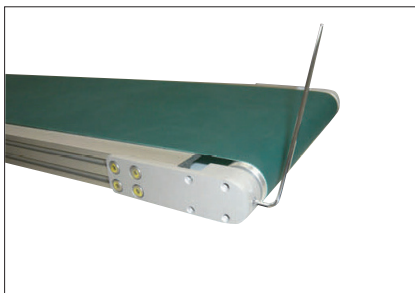
### STEP 2

Slightly loosen 4 pulley holder mounting screws. (Take caution that the pulley may fall off if the screws are completely loosened.) Do the same for the other side.



### STEP 3

Loosen the tensioning screws and completely remove. Do the same for the other side.



### STEP 4

Push both pulley holders towards the main body.



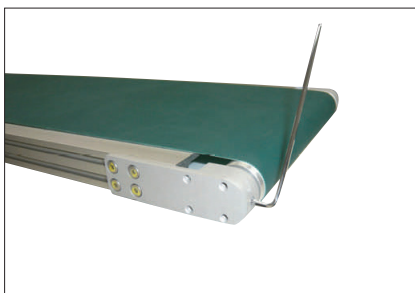
### STEP 5

Confirm the belt rotation direction and replace the belt.



### STEP 6

Tighten the tensioning screws (2 on both sides) to the position marked in Step 1 to adjust the tension. Perform this adjustment while checking for the parallelism between the pulley holder and the aluminum frame.



### STEP 7

Completely tighten 4 pulley holder screws. Tighten the 4 screws on the other side completely to complete.



① The belt will be stretched with use. Perform maintenance on a periodic basis.

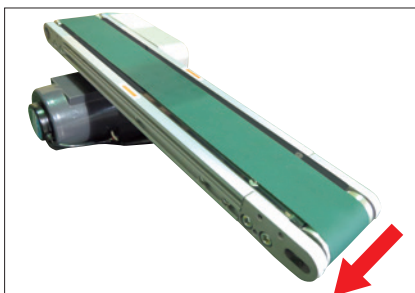
## ■ Belt Meandering Adjustment ~Head Drive~

① Applicable P/N: CVGA, CVGB, SVKA, SVKB (CVGA in photo)

### STEP 1

While the belt is meandering to one side, start the conveyor. The meandering adjustment is done with the tensioning screw on the side the belt is deviated to.

① Make sure to avoid contact of the side surface of the belt.



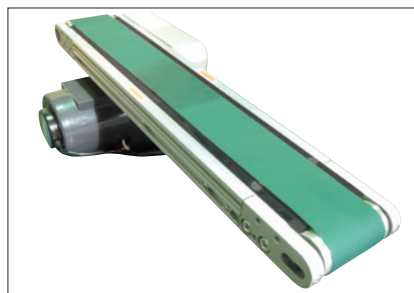
### STEP 2

First, loosen a nut on the tensioning screw, and gradually tighten the tension screw. If tighten excessively the unit will creep to the opposite side, then loosen.



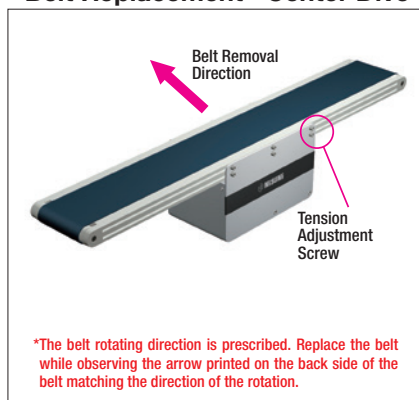
### STEP 3

Meandering will gradually disappear. Re-tighten the screws to complete. The belt will come to a stable state by leaving the conveyor in operation for a while after the adjustment.





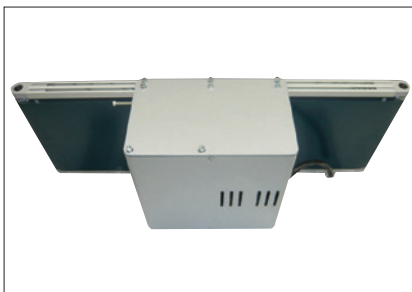
## ■ Belt Replacement ~Center Dive~



① Applicable P/N: SVKN, SVKR

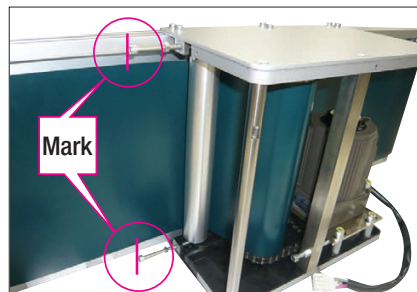
### STEP 1

Place the unit as the MISUMI logo faces downwards, and remove the 6 screws to remove the cover.



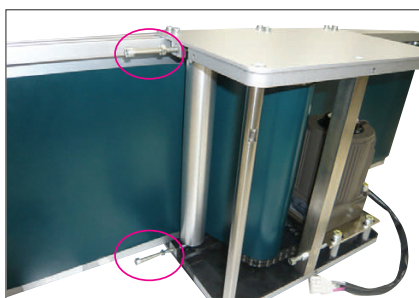
### STEP 2

Place a mark to note the existing tension condition.



### STEP 3

Remove 2 tensioning screws and pull out the tensioning roller.



### STEP 4

Loosen 8 screws on the side plate, and lift the plate up straight to remove. (Take care that the pulley inside may fall)



### STEP 5

Pull out the belt up, and replace the belt while confirming the correct rotation direction.



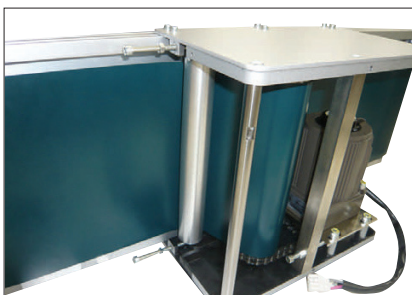
### STEP 6

After replacing the belt, replace the side plate from above. When mounting the side plate, ensure that 2 roller shafts are in the holes of the side plate.



### STEP 7

Insert the tension adjustment rollers and return the 2 tensioning screws to the position marked in Step 2. Take care the belt does not deviate to one side.



### STEP 8

Run the wires through the wiring hole and replace the cover in the arrow direction, then tighten the 6 screws to complete.



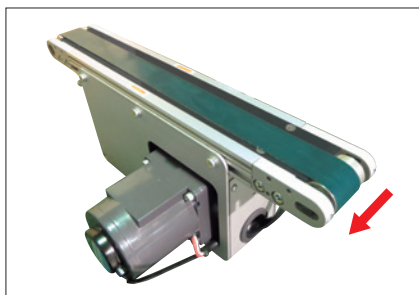
## ■ Belt Meandering Adjustment ~Center Dive~

① Applicable P/N: CVGN, CVGP, SVKN, SVKR (CVGN in photo)  
② No STEP3 for SVKN and SVKR.

### STEP 1

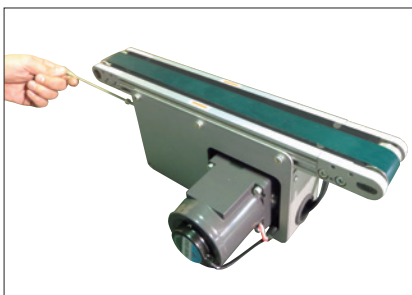
While the belt is meandering to one side, start the conveyor. The meandering adjustment is done with the tensioning screw on the side the belt is deviated to.

① Make sure to avoid contact of the side surface of the belt.



### STEP 2

First, loosen a nut on Center Drive tensioning screw, and gradually tighten the tension screw. If tighten excessively the unit will creep to the opposite side, then loosen.



### STEP 3



Next, adjust as shown previously with the Pulley Holder tensioning screw. As the belt meandering decreases and the parallelism is confirmed, re-tighten the nut to complete.



# Motor Type

## ■ Motor Manufacturer A (Panasonic Motor)

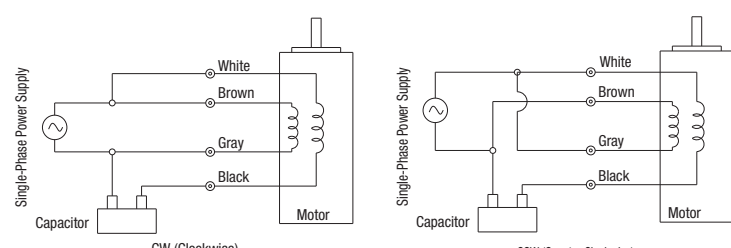
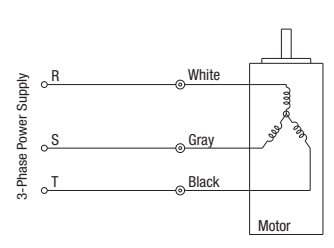
### • Motor Type

	Induction Motor	Variable Speed Motor
<b>Model</b>		
<b>Features</b>	Motor suitable for continuous one-way operation.	Motor that the speed can be infinitely variable by combining with a Speed Controller
<b>Voltage</b>	Single-Phase 100V, 200V 3-Phase 200V	Single-Phase 100V, 200V
Continuous Operation	○	○
Instantaneous Reverse Operation	×	×
Variable Speed	×	○
Load Holding	×	×

<b>Output</b>	6W, 25W, 40W, 60W, 90W
<b>Rated Voltage</b>	100V, 200V
<b>Voltage Range</b>	±10% (In relation to Rated Voltage)*
<b>Power Supply Frequency</b>	50Hz/60Hz
<b>Speed Control Range</b>	90~1400min <sup>-1</sup> (50Hz) 90~1700min <sup>-1</sup> (60Hz)
<b>Speed Fluctuation Ratio</b>	5% (Std. Value)
<b>Speed Setting</b>	With a Potentiometer (Analog setting)
<b>Operating Temperature</b>	-10°C~40°C
<b>Storage Temperature</b>	-20°C~60°C
<b>Operating Humidity</b>	85%RH or less (No condensation)

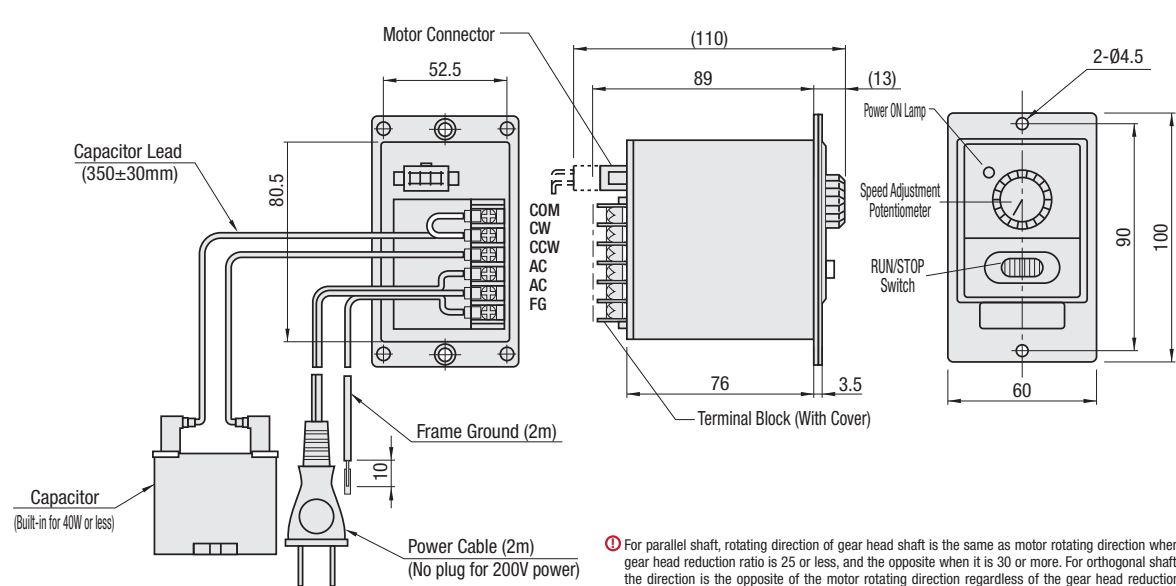
\*±10% is the voltage fluctuation range, and is not a continuously operable range.

### • Motor Connection Diagram

Induction Motor (Single-Phase)	Induction Motor (3-Phase)
 <p>CW (Clockwise)</p> <p>CCW (Counter Clockwise)</p>	 <p>CCW (Counter Clockwise)</p>
<p>ⓘ For parallel shaft, rotating direction of gear head shaft is the same as motor rotating direction when gear head reduction ratio is 25 or less, and the opposite when it is 30 or more. For orthogonal shaft, the direction is the same as motor rotating direction regardless of the gear head reduction ratio. Connect the motor so that the belt rotates in the direction of conveyance.</p>	<p>ⓘ The rotation reverses when 2 of the White, Gray, or Black leads are switched.</p>

ⓘ CW : Clock Wise CCW : Counter Clock Wise

### • Speed Controller Specification

 <p>Motor Connector</p> <p>Capacitor Lead (350±30mm)</p> <p>Capacitor (Built-in for 40W or less)</p> <p>Frame Ground (2m)</p> <p>Power Cable (2m) (No plug for 200V power)</p> <p>Terminal Block (With Cover)</p> <p>Power ON Lamp</p> <p>Speed Adjustment Potentiometer</p> <p>RUN/STOP Switch</p> <p>Dimensions: 110, 89, 13, 52.5, 80.5, 76, 3.5, 60, 90, 100, 2-Ø4.5</p>	<p>ⓘ For parallel shaft, rotating direction of gear head shaft is the same as motor rotating direction when gear head reduction ratio is 25 or less, and the opposite when it is 30 or more. For orthogonal shaft, the direction is the opposite of the motor rotating direction regardless of the gear head reduction ratio. Connect the motor so that the belt rotates in the direction of conveyance.</p>
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ⓘ A connector cable (1m) is included. See product pages for details.

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration & Option

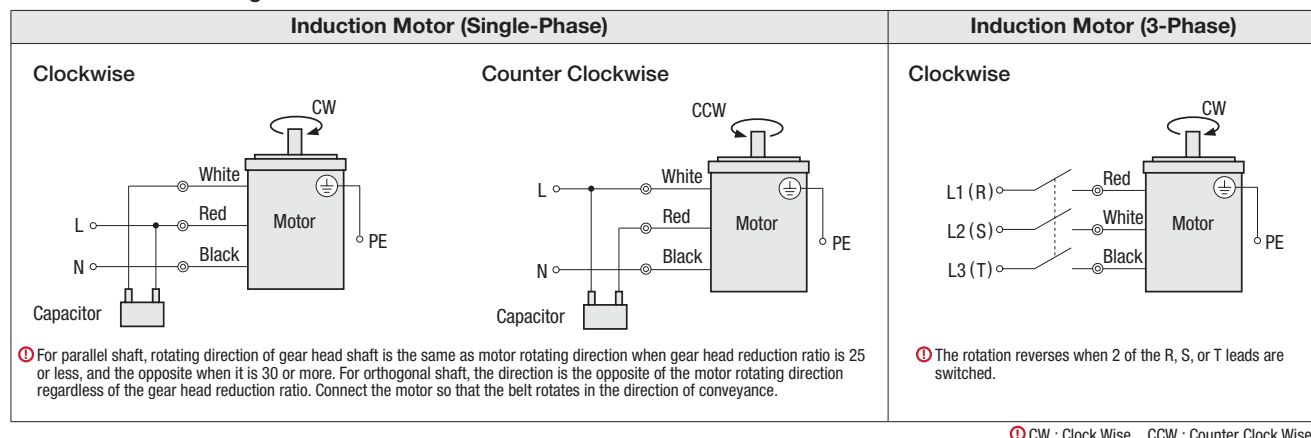
Belt

Technical Data

Compatible table

## ■ Motor Manufacturer B (Oriental Motor)

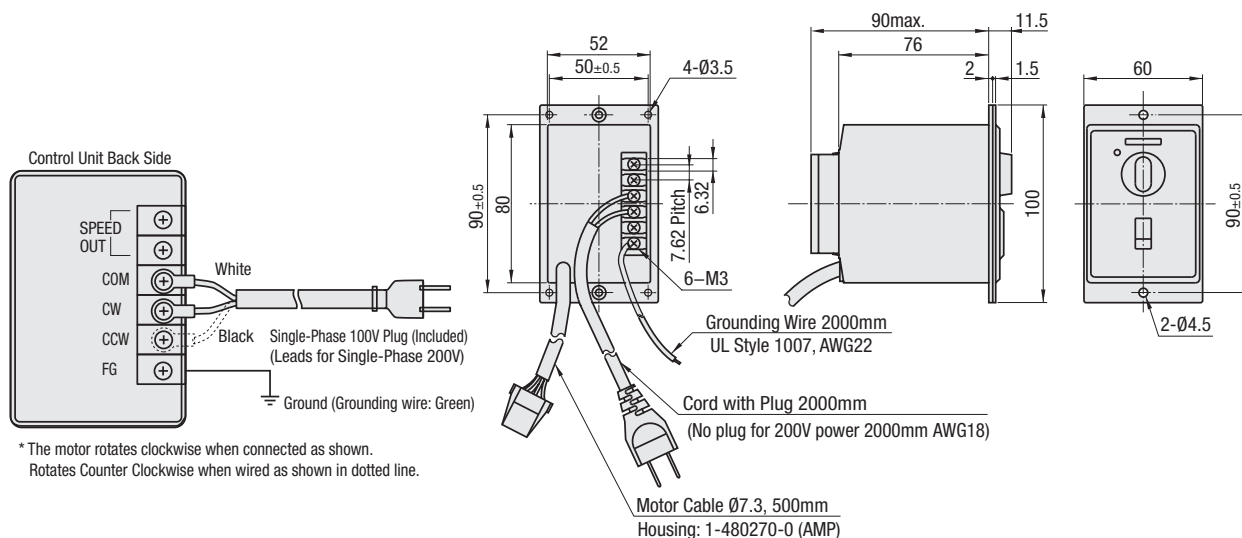
### • Motor Connection Diagram



① CW : Clock Wise    CCW : Counter Clock Wise

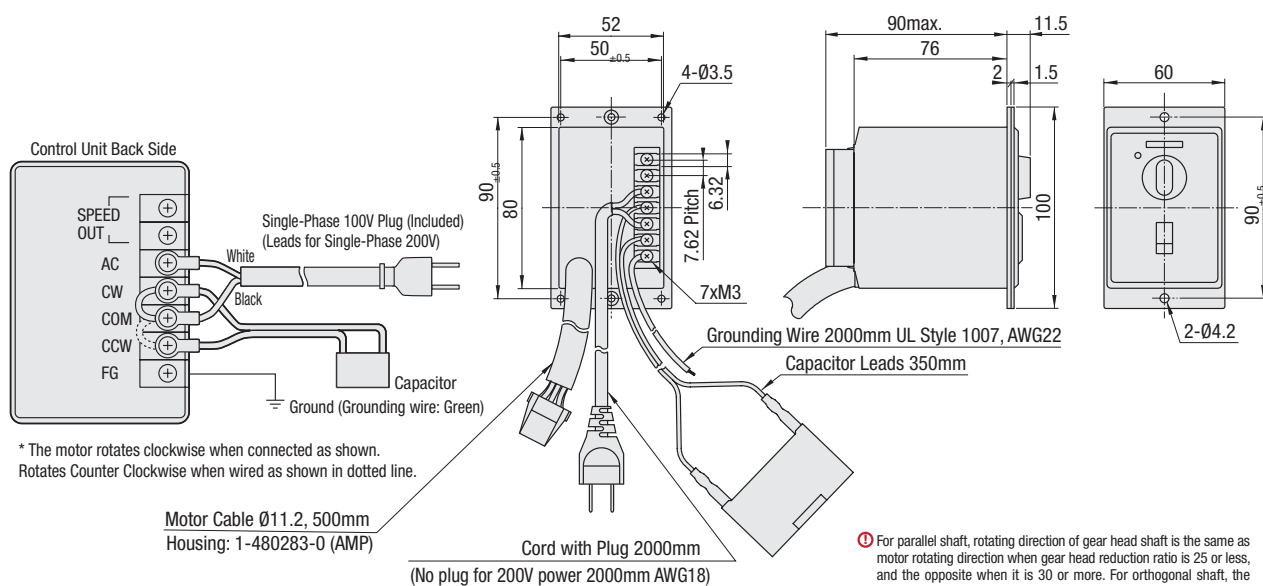
### • Speed Controller Specification

6W • 25W • 40W



\* The motor rotates clockwise when connected as shown.  
Rotates Counter Clockwise when wired as shown in dotted line.

60W • 90W



\* The motor rotates clockwise when connected as shown.  
Rotates Counter Clockwise when wired as shown in dotted line.

① For parallel shaft, rotating direction of gear head shaft is the same as motor rotating direction when gear head reduction ratio is 25 or less, and the opposite when it is 30 or more. For orthogonal shaft, the direction is the opposite of the motor rotating direction regardless of the gear head reduction ratio. Connect the motor so that the belt rotates in the direction of conveyance.

# Motor Type

Summary

Flat Belt

BUILT-IN / Flat

Special  
Specifications

Timing Belt

Plastic Chain

Alteration &  
Option

Belt

Technical Data

Compatible  
table

## ■ Panasonic Motor Part Number

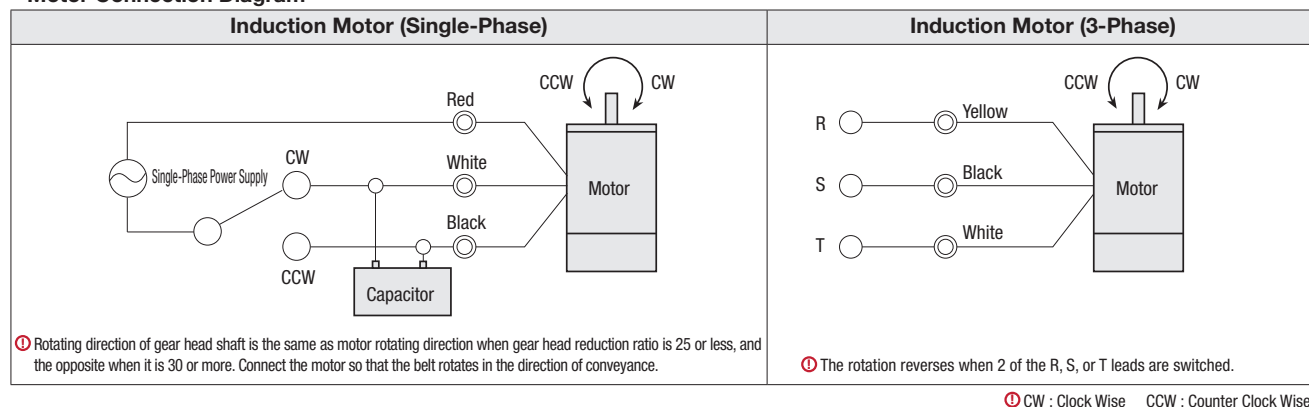
Motor			Motor Part Number		Gearhead Type
Output	Specification	Voltage	MISUMI Part Number	Manufacturer Part Number	Manufacturer Part Number (MISUMI Part No.) *□ includes a reduction ratio.
6W	Induction Motor	Single-Phase100V	PACMS60-W6-V100	M61X6G4L	Reduction Ratio 25 or less MX6G□BA Reduction Ratio 30 or more MX6G□B (PACMGX60-□)
		Single-Phase 200V	PACMS60-W6-V200	M61X6G4Y	
	Variable Speed Motor	Single-Phase100V	PACMV-U60-W6-V100	MUSN606GL	
		Single-Phase 200V	PACMV-U60-W6-V200	MUSN606GY	
25W	Induction Motor	Single-Phase100V	PACMS80-W25-V100	M81X25G4L	MX8G□B (PACMGX80-□)
		Single-Phase 200V	PACMS80-W25-V200	M81X25G4Y	
		3-Phase 200V	PACMT80-W25-V200	M8MX25G4Y	
	Variable Speed Motor	Single-Phase100V	PACMV-U80-W25-V100	MUSN825GL	
		Single-Phase 200V	PACMV-U80-W25-V200	MUSN825GY	
40W	Induction Motor	Single-Phase100V	PACMS90-W40-V100	M91X40G4L	MX9G□B (PACMGX90-□)
		Single-Phase 200V	PACMS90-W40-V200	M91X40G4Y	
		3-Phase 200V	PACMT90-W40-V200	M9MX40G4Y	
	Variable Speed Motor	Single-Phase100V	PACMV-U90-W40-V100	MUSN940GL	
		Single-Phase 200V	PACMV-U90-W40-V200	MUSN940GY	
60W	Induction Motor	Single-Phase100V	PACMS90-W60-V100	M91Z60G4L	MZ9G□B (PACMGZ90-□)
		Single-Phase 200V	PACMS90-W60-V200	M91Z60G4Y	
		3-Phase 200V	PACMT90-W60-V200	M9MZ60G4Y	
	Variable Speed Motor	Single-Phase100V	PACMV-U90-W60-V100	MUSN960GL	
		Single-Phase 200V	PACMV-U90-W60-V200	MUSN960GY	
90W	Induction Motor	Single-Phase100V	PACMS90-W90-V100	M91Z90G4L	MZ9G□B (PACMGZ90-□)
		Single-Phase 200V	PACMS90-W90-V200	M91Z90G4Y	
		3-Phase 200V	PACMT90-W90-V200	M9MZ90G4Y	
	Variable Speed Motor	Single-Phase100V	PACMV-U90-W90-V100	MUSN990GL	
		Single-Phase 200V	PACMV-U90-W90-V200	MUSN990GY	

## ■ Oriental Motor Part Number

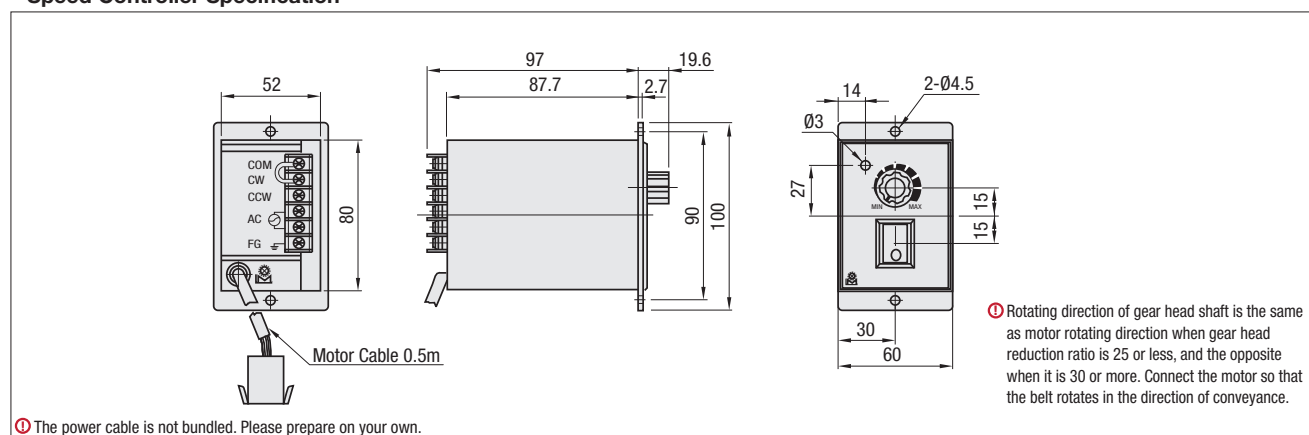
Motor			Motor Part Number	Gearhead Type
Output	Specification	Voltage	Manufacturer Part Number	Manufacturer Part Number *□ includes a reduction ratio.
6W	Induction Motor	Single-Phase100V	2IK6GN-AW2J	s2GN□S
		Single-Phase200V	2IK6GN-CW2J	
		3-Phase 200V	2IK6GN-SW2	
	Variable Speed Motor	Single-Phase100V	US206-401	
		Single-Phase 200V	US206-402	
25W	Induction Motor	Single-Phase100V	4IK25GN-AW2J	4GN□S
		Single-Phase 200V	4IK25GN-CW2J	
		3-Phase 200V	4IK25GN-SW2	
	Variable Speed Motor	Single-Phase100V	US425-401	
		Single-Phase 200V	US425-402	
40W	Induction Motor	Single-Phase100V	5IK40GN-AW2J	5GN□S
		Single-Phase 200V	5IK40GN-CW2J	
		3-Phase 200V	5IK40GN-SW2	
	Variable Speed Motor	Single-Phase100V	US540-401	
		Single-Phase 200V	US540-402	
60W	Induction Motor	Single-Phase100V	5IK60GE-AW2J	5GE□S
		Single-Phase 200V	5IK60GE-CW2J	
		3-Phase 200V	5IK60GE-SW2	
	Variable Speed Motor	Single-Phase100V	US560-501C	5GU□KB
		Single-Phase 200V	US560-502C	
90W	Induction Motor	Single-Phase100V	5IK90GE-AW2J	5GE□S
		Single-Phase 200V	5IK90GE-CW2J	
		3-Phase 200V	5IK90GE-SW2	
	Variable Speed Motor	Single-Phase100V	US590-501C	5GU□KB
		Single-Phase 200V	US590-502C	

## ■ Motor Manufacturer C (Taiwanese Motor)

### • Motor Connection Diagram



### • Speed Controller Specification



## ■ Taiwanese Motor Type

Motor			Motor Part Number	Gearhead Type
Output	Specification	Voltage	MISUMI Part Number	MISUMI Part Number *□ includes a reduction ratio.
6W	Induction Motor	Single-Phase100V	PACMST60-W6-V100	PACMGXT60-□
		Single-Phase 200V	PACMST60-W6-V200	
	Variable Speed Motor	Single-Phase100V	PACMSV-UT60-W6-V100	
		Single-Phase 200V	PACMSV-UT60-W6-V200	
25W	Induction Motor	Single-Phase100V	PACMST80-W25-V100	PACMGXT80-□
		Single-Phase 200V	PACMST80-W25-V200	
		3-Phase 200V	PACMTT80-W25-V200	
	Variable Speed Motor	Single-Phase100V	PACMSV-UT80-W25-V100	
		Single-Phase 200V	PACMSV-UT80-W25-V200	

① Operating temperature is in a range from 5°C ~ 40°C.

Motor			Motor Part Number	Gearhead Type
Output	Specification	Voltage	MISUMI Part Number	MISUMI Part Number *□ includes a reduction ratio.
40W	Induction Motor	Single-Phase100V	PACMST90-W40-V100	PACMGXT90-□
		Single-Phase 200V	PACMST90-W40-V200	
	Variable Speed Motor	3-Phase 200V	PACMTT90-W40-V200	
		Single-Phase100V	PACMSV-UT90-W40-V100	
60W	Induction Motor	Single-Phase 200V	PACMSV-UT90-W40-V200	PACMGZT90-□
		Single-Phase100V	PACMST90-W60-V100	
		Single-Phase 200V	PACMST90-W60-V200	
	Variable Speed Motor	3-Phase 200V	PACMTT90-W60-V200	
		Single-Phase100V	PACMSV-UT90-W60-V100	
90W	Induction Motor	Single-Phase 200V	PACMSV-UT90-W60-V200	PACMGZT90-□
		Single-Phase100V	PACMST90-W90-V100	
		Single-Phase 200V	PACMST90-W90-V200	
	Variable Speed Motor	3-Phase 200V	PACMTT90-W90-V200	
		Single-Phase100V	PACMSV-UT90-W90-V100	
		Single-Phase 200V	PACMSV-UT90-W90-V200	



# Motor Type

Summary

Flat Belt

BUILT-IN / Flat

Special  
Specifications

Timing Belt

Plastic Chain

Alteration &  
Option

Belt

Technical Data

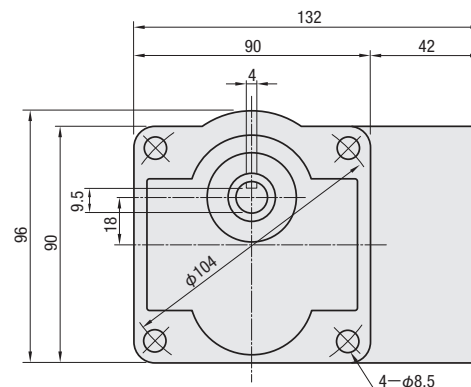
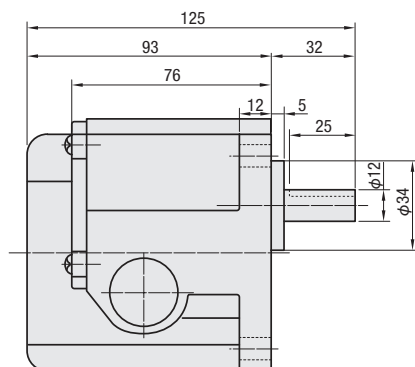
Compatible  
table

## ■ Motor Manufacturer A (Panasonic)

### • Orthogonal Shaft Gear Head Type

#### 40W Type (MX9G□R)

\*□ represents a reduction ratio.

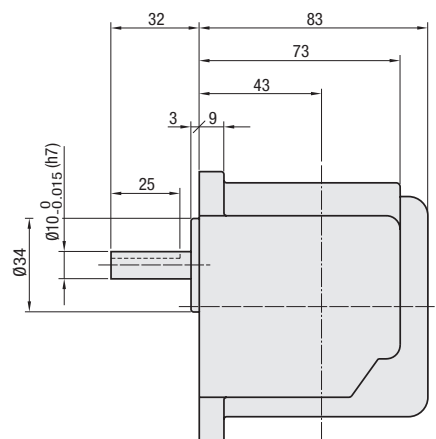
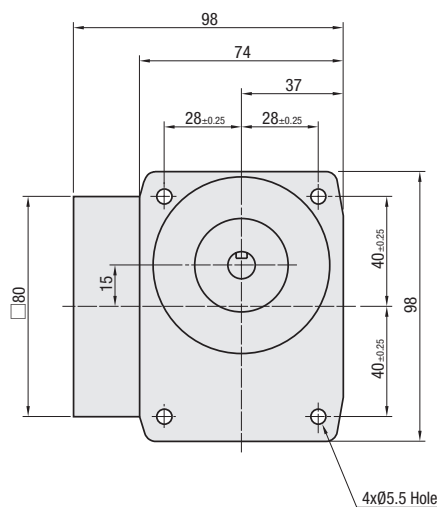


## ■ Motor Manufacturer B (Oriental)

### • Orthogonal Shaft Gear Head Type

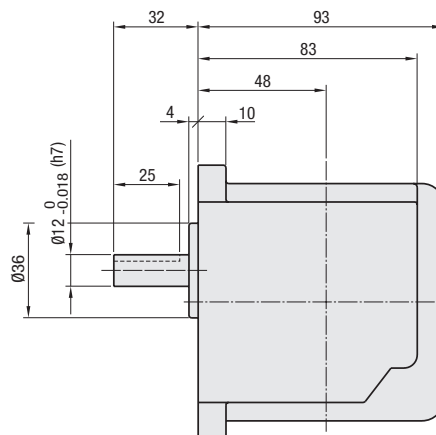
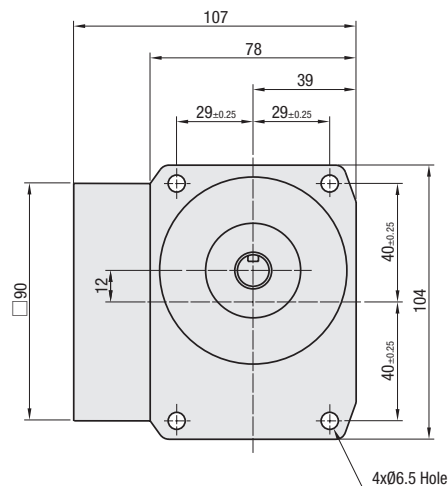
#### 25W Type (4GN□RA)

\*□ represents a reduction ratio.



#### 40W Type (5GN□RA)

\*□ represents a reduction ratio.



## ■ Motor Manufacturer A (Panasonic)

### • Motor with Electromagnetic Brake Type



Features	Motor with electromagnetic brake integrated, featuring strong braking force and load retaining force
Voltage	3-Phase 200V, 220V, 230V
Continuous Operation	○
Instantaneous Reverse Operation	×
Variable Speed	×
Load Holding	○

Output	6W, 25W, 40W, 60W, 90W
Rated Voltage	200V, 220V, 230V
Voltage Range	±10% (In relation to Rated Voltage)*
Power Supply Frequency	50Hz/60Hz
Speed Control Range	90~1400 min <sup>-1</sup> (50Hz) 90~1700 min <sup>-1</sup> (60Hz)
Speed Fluctuation Ratio	5% (Std. Value)
Speed Setting	With a Potentiometer (Analog Setting)
Operating Temperature	-10°C~40°C
Storage Temperature	-20°C~60°C
Operating Humidity	85%RH or Less (No Condensation)

\* ±10% is the voltage fluctuation range, and is not a continuously operable range.

### • Motor Connection Diagram

Panasonic	Oriental
<p>(3-Phase)</p> <p>Rotates clockwise if two of the White, Gray, and Black wires are switched.</p>	<p>(3-Phase)</p> <p>Ⓢ CW : Clock Wise CCW : Counter Clock Wise</p>

# Motor Type

## ■ Motor Manufacturer B (Oriental Motor)

### • DC Brushless Motor Details

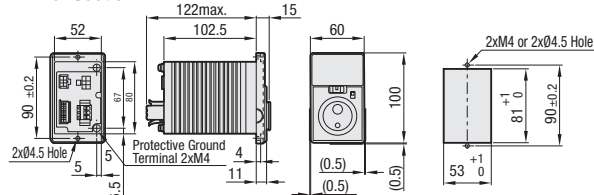
BMU230A-□-1 (Single-phase)

BMU230C-□-1 (Single-phase / Three-phase)

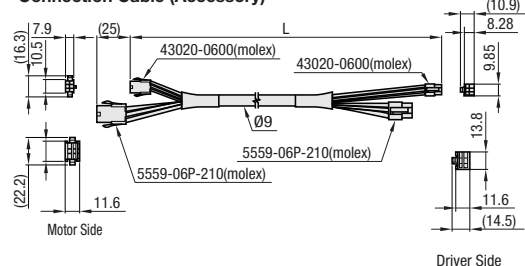
\*□ represents a reduction ratio.

### ■ Dimensional Drawings (mm)

#### • Driver Section

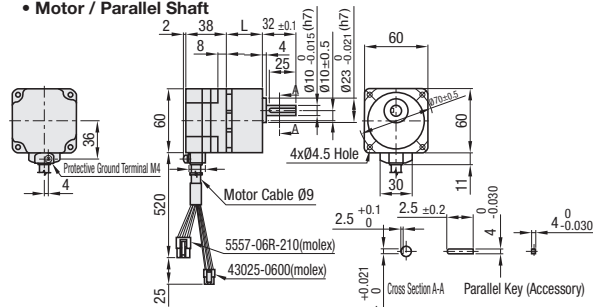


#### • Connection Cable (Accessory)



Frame Size	60 mm
Rated Output (Continuous)	30W
Shaft/Gear Type	Combination type, Parallel shaft gear head
Reduction Ratio	20
Type	Standard Specifications
Accessory Cable	1 m
Rated Power Supply Input Voltage	BMU230A: Single-phase 100~120V BMU230C: Single-phase / Three-phase 200~240V
Power Supply Input, Allowable Voltage Range	-15~+10%
Power Supply Input, Rated Frequency	50/60 Hz
Power Supply Input, Allowable Frequency Range	±5%
Power Supply Input, Rated Input Current	BMU230A: 1.2A, BMU230C: Single-phase 0.7 / Three-phase 0.38A
Power Supply Input, Maximum Input Current	BMU230A: 2.0A, BMU230C: Single-phase 1.2 / Three-phase 0.75A
Rated Torque (Motor Shaft)	0.096N • m
Instantaneous Maximum Torque (Motor Shaft)	0.144N • m
Allowable Torque	1.8N • m(4~100r/min) 1.7N • m(150r/min)
Rated Rotational Speed (Motor Shaft)	3000r/min
Speed Control Range	4~200r/min
Allowable Load Inertia Moment J	200x10 <sup>-4</sup> kg • m <sup>2</sup> 24.8x10 <sup>-4</sup> kg • m <sup>2</sup>
Rotor Inertia Moment J	0.042x10 <sup>-4</sup> kg • m <sup>2</sup>
Speed Regulation (for Load)	Within ±0.2%: Conditions 0 ~ rated torque, rated rotational speed, rated voltage, normal temperature
Speed Regulation (for Voltage)	Within ±0.2%: Conditions rated voltage -15~+10%, rated rotational speed, no load, normal temperature
Speed Regulation (for Temperature)	Within ±0.2%: Conditions 0~+40°C, rated rotational speed, no load, rated voltage
How to Set Rotational Speed	Digital setting with dial, 4 speeds available Analog Setting: 0.1~15.0 seconds (setting time from stopped state to the rated rotational speed) Common setting for accel./decel. time with acceleration/deceleration time setter*
Acceleration Time, Deceleration Time	Digital Setting: 0.0~5.0 seconds (setting time from current speed to the specified speed) Acceleration and deceleration times can individually be set for each operation data* *Motor acceleration time and deceleration time vary depending on load conditions.
Protection Functions	When one of the following protection functions is activated, the ALARM-OUT1 output turns OFF, and the motor will stop naturally. The alarm code is also displayed at the same time (The motor stops immediately only when External stop is activated). Overcurrent, Overheat in main circuit, Overvoltage, Undervoltage, Sensor error, Overload, Overspeed, EEPROM error, Initial sensor error, Initial operation prohibition, External stop
Maximum Extension Distance	Between motor and driver: 10.5 m (using connection cable)
Time Rating	Continuous
RoHS Directive	Compliant
Mass of Motor Section	0.92 kg (including gear head)
Mass of Circuit Section	0.4 kg

#### • Motor / Parallel Shaft



Item	Motor	Driver
Insulation Resistance	100MΩ or more when 500VDC megohmmeter is used between the coil and the case after continuous operation under normal temperature and humidity.	100MΩ or more when 500VDC megohmmeter is used between the power supply terminal and the protective ground terminal, and between the power supply terminal and the I/O signal terminal after continuous operation under normal temperature and humidity.
Dielectric Strength Voltage	No abnormality is recognized even after 1.5 kVAC is applied at 50Hz between the coil and the case for one minute after continuous operation under normal temperature and humidity.	No abnormality is recognized even after 1.5 kVAC is applied at 50Hz between the power supply terminal and the protective ground terminal, and between the power supply terminal and the I/O signal terminal for one minute after continuous operation under normal temperature and humidity.
Temperature Rise	The temperature rise in the coil is 50°C or lower and that in the case surface is 40°C or lower <sup>1</sup> when measured by the thermocouple method after rated continuous operation under normal temperature and humidity.	The temperature rise in the heatsink is 50°C or lower when measured by the thermocouple method after rated continuous operation under normal temperature and humidity.
Operating Environment	Ambient Temperature	0~+40°C (No Freezing)
	Ambient Humidity	85% or Less (No Condensation)
	Altitude	1000 m or Less Above Sea Level
	Atmosphere	No corrosive gases or dust. Cannot be used in a special environment such as radioactive area, magnetic field, and vacuum.
Storage Environment <sup>2)</sup>	Vibration	Continuous vibration or excessive shock are not to be applied. Conforms to JIS C60068-2-6 "Sine-wave vibration test method". Frequency Range: 10~55Hz, Half amplitude: 0.15 mm, Sweep Direction: 3-direction (X, Y, Z), Number of sweeps: 20 times
	Ambient Temperature	-20 ~ +70°C (No Freezing)
	Ambient Humidity	-25 ~ +70°C (No Freezing)
	Altitude	3000 m or Less Above Sea Level
Heat Resistant Class	EN Standard: 120(E)	—
IP	Standard Type: IP20	A Phase

Item	Specification
How to Set Rotational Speed	Digital setting with dial 4 speeds available
Acceleration Time, Deceleration Time	Analog Setting: 0.1~15.0 seconds (setting time from stopped state to the rated rotational speed), Common setting for accel./decel. time with acceleration/deceleration time setter* Digital Setting: 0.0~15.0 seconds (setting time from current speed to the specified speed), Acceleration and deceleration times can individually be set for each operation data.* *Motor acceleration time and deceleration time vary depending on load conditions.
Input Signal	Photo Coupler Input: Input Resistance 5.7kΩ Driven by internal power supply: 5VDC Connectable external DC power supply: 24VDC, -15 ~ +20%, 100mA or more Sinking input/sourcing input: Supplied through external wiring Signals can arbitrary be assigned between X0 and X2 input (3 points) [ ]: Default Settings [FWD], [REV], [MO], M1, ALARM-RESET, EXT-ERROR, H-FREE
Output Signal	Photo Coupler / Open-collector output External power supply: 4.5 ~ 30VDC, 100mA or less Sinking output/sourcing output: Supplied through external wiring Signals can arbitrary be assigned to Y0 and Y1 (2 points) [ ]: Default Settings [ALARM-OUT1], [SPEED-OUT], ALARM-OUT2, MOVE, VA, WNG
Protection Functions	When one of the following protection functions is activated, the ALARM-OUT1 output turns OFF, and the motor will stop naturally. The alarm code is also displayed at the same time (The motor stops immediately only when External stop is activated). Overcurrent, Overheat in main circuit, Overvoltage, Undervoltage, Sensor error, Overload, Overspeed, EEPROM error, Initial sensor error, Initial operation prohibition, External stop
Maximum Extension Distance	Between motor and driver: 10.5 m (using optional connection cable)
Time Rating	Continuous

About detecting Time for Overload Alarm

If overload is applied beyond the continuous operation area, overload alarm is generated. Detecting time for the overload alarm can be arbitrarily set within a range from 0.1 ~ 60.0 seconds (Default Value: 30.0 sec.). Note, however, that the alarm is generated in 5 seconds at most in the following cases: Overload is applied beyond the short-time operation area When output shaft is constrained

#### ■ Components

Combination Geared Motor Unit	<ul style="list-style-type: none"> <li>• Motor/BLM230-GFV</li> <li>• Circuit (BMU230A) / BMUD30-A</li> <li>• Circuit (BMU230C) / BMUD30-C</li> <li>• Gear Head/GFV2G□</li> </ul>
	□ represents a reduction ratio.

#### ■ Accessory

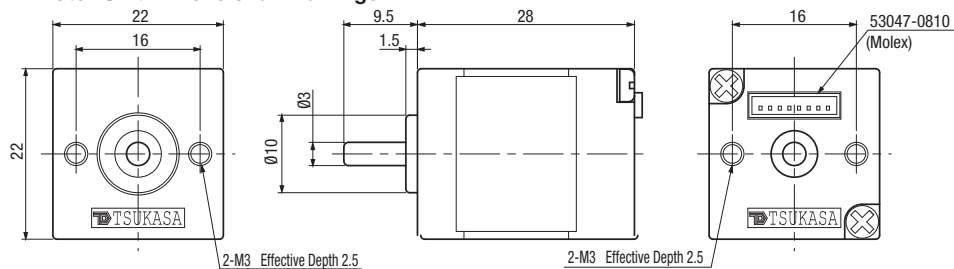
Motor, Circuit, Gear Head, Connection Cable (1m), CN1 Connector, CN4 Connector, Mounting Screws, Parallel Key, Instruction Manual

## TSUKASA ELECTRIC CO., LTD - DC Geared Motor Details

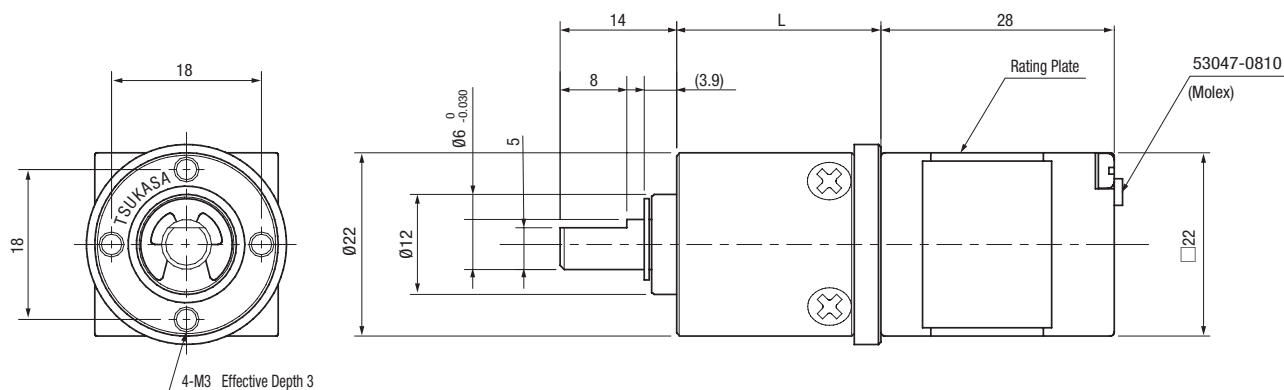
### ■ TG-611B-FU



### ■ Motor Unit Dimensional Drawings



### ■ Geared Motor Dimensional Drawings



### ■ Motor Unit Specifications

Manufacturer Part Number	Rated Voltage (V)	Rotational Speed at No Load (r/min)	No-Load Current (mA)	Rated Torque		Rated Rotational Speed (r/min)	Rated Current (mA)	Direction	Mass (g)
				(mN · m)	(gf · cm)				
TG-611B	24	7260	80	5.88	60	5700	280	Both Directions	61

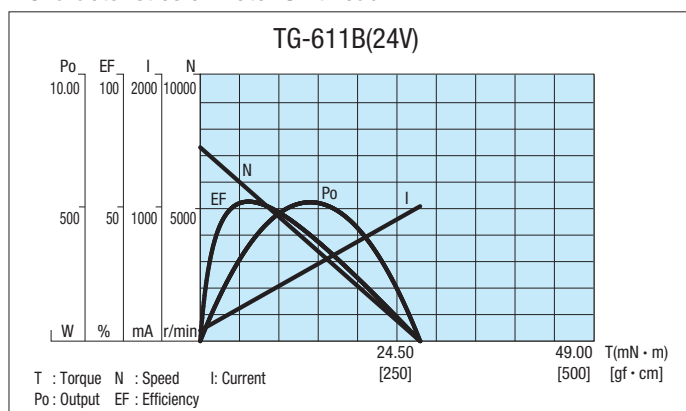
### ■ Geared Motor (List of Rated Torque/Number of Revolutions)

Manufacturer Part Number	Reduction Ratio	64		256	
		90.8	25.5	196	294
TG-611B-FU 24V	Rotational Speed (r/min)	90.8	25.5	196	294
	Torque (kgf · cm)	2	3	2	3

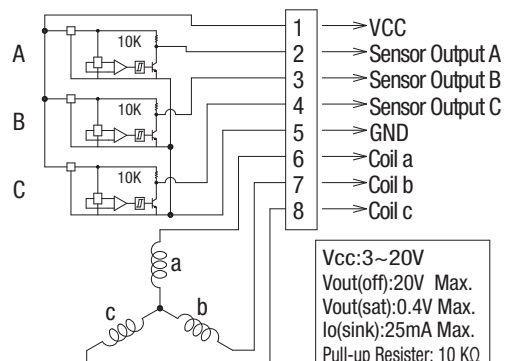
### ■ Gear Unit Specifications

Reduction Ratio	L (mm)	Number of Gear Shifts	Allowable Torque		Mass (g)
			(mN · m)	(kgf · cm)	
1/64	29.5	3	196	2	57
1/256	34.5	4	294	3	66

### ■ Characteristics of Motor Unit Load

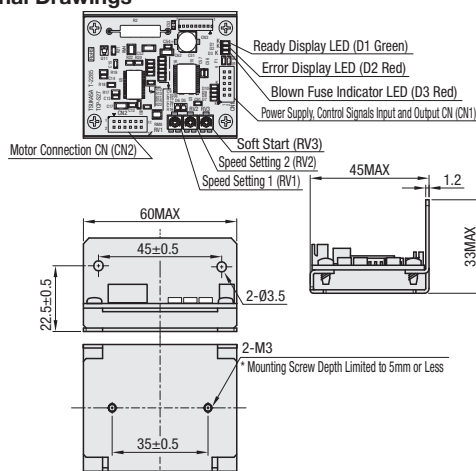


### ■ Connection Diagram of Inside the Motor



# Motor Type

- Motor Manufacturer DA (TSUKASA ELECTRIC CO., LTD)
- DC Geared Motor Driver Details
- Dimensional Drawings



## ■ Specification

Item		Description
Applicable Motor	Part Number	TCP-S27A-611B
	Magnet Pole Sensor	Hall IC (Square-wave Output)
Power Supply Voltage		Within 24VDC $\pm 10\%$ (Within 12VDC $\pm 10\%$ )
Control Circuit Power Consumption		1W or less
Rated Output Current <sup>*1</sup>		280mA
Overload Current		340mA
Current Limit Value		2.2A
PWM Frequency		Approx. 20.0KHz
Speed Variable Range <sup>*2</sup>		200~6900 rpm
External Speed Command Factor		1500 rpm/V
Speed Setting (Rotation Speed Setting)		Internal Driver Settings: 2 systems of RV1 and RV2 (can be switched by speed switch input) External speed command input: 1 system
Soft Start Setting <sup>*4</sup>		Can be configured as 1.67 sec/1000 rpm Max. with RV3 Works at startup and speed increase by speed command (D1 blinking when working)
Protection Function <sup>*5</sup>		Overload: Shuts off the output to retain the state if the current exceeding the rated output has flown continuously. (Reset by start input "Open" and power-on again)
		Sensor Error: Shut off the output by detecting an error code of the sensor signals (Reset by start input "Open" and power-on again)
		Motor Restrained: Shut off the output by detecting motor lock (Reset by start input "Open" and power-on again)
		Overcurrent: Shut off the output by detecting abnormal motor current
		Fuse Protection: Shut off the circuit by detecting abnormal power current
Operating Environment		0~40°C, 85%RH or less (No Condensation) To be used in the atmosphere with thermal convection
Storage Environment		-10~60°C, 85%RH or less (No Condensation)
Accessory		Motor Connection Cable (50 cm) Power Supply / Control Signal I/O Cable (50 cm)
Mass		Approx. 30g (Main Body only)

<sup>\*1</sup>: The rated output current is the continuous allowable current when combined with a supported motor. Make sure to use it at a current equal to or lower than the allowable current (allowable torque) for the geared motor you use.

<sup>\*2</sup>: The maximum value of the speed variable range is proportional to the power voltage. The value listed here is the no-load rotation speed at 24 V input.

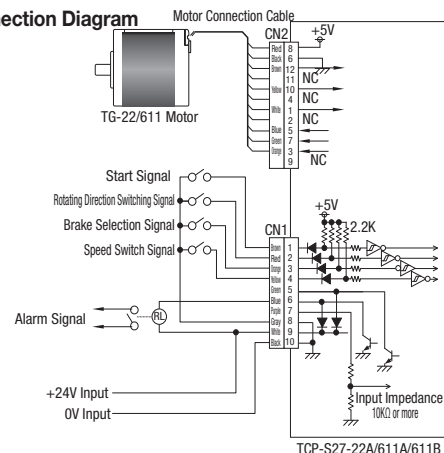
<sup>\*3</sup>: This driver has second quadrant operations and cannot be used for applications with gravity load applied.

<sup>\*4</sup>: The soft start function only works during acceleration and does not work during deceleration.

<sup>\*5</sup>: Make sure to perform resetting after removing the cause when the protection function is activated.

<sup>\*6</sup>: For the motor rotation speed, the highest setting value among RV1, RV2, and the speed command input takes precedence. To use the external speed command input, set RV1 and 2 to 0. To use the internal speed setting, set the external speed command input to Open or 0V.

## • Connection Diagram



## ■ Input/Output Signal

Name, Pin No.		Lead Color	Signal Name	Description	
CN1 (Power Supply, Control Signal I/O)	1	Brown	Start Input	"H": Stop, Alarm Reset "L": Rotating Operation	"H": Open "L": 0 ~ 0.7 V Input Current: 3mA MAX
	2	Red	Rotating Direction Switch Input	"H": CW Rotation "L": CCW Rotation	
	3	Orange	Brake Selection Input	Select the stop method when the start input switches to "H" "H": Select Free-run Stop "L": Select Brake Stop	
	4	Yellow	Speed Switch Input	"H": Select RV1 "L": Select RV2	
	5	Green	Rotation Synchronization Signal Output	Output 6 pulse/rotation signal synchronized with the rotation	Open-collector output Max. Applied Voltage: 30V Max. Current: 20mA Saturation Voltage: 0.2V Power ON: 0.8 V MAX Built-in Free Wheel Diode
	6	Blue	Alarm Output	Output transistor turns ON when detecting overload, sensor error, overcurrent Output transistor is OFF during normal state	
	7	Purple	External Speed Command Input <sup>❖</sup>	Input Voltage: 0~5 V (10 V MAX) Input Impedance: 10KΩ or more	
	8	Gray	GND	Ground for Control Input Signal (Same potential as CN1-10)	
	9	White	Power Input	+24V Input	
	10	Black		0 V Input (Same potential as CN1-8)	
CN2 (Motor Signal I/O)	8	Red	+5V	5 V Output for Magnet Pole Sensor (Cannot be used for other applications)	
	6	Black	GND	GND for Magnet Pole Sensor	
	12	Brown	Sensor Signal Input	A Phase	
	11	—		Not in Use	
	10	Yellow		B-phase	
	4	—		Not in Use	
	1	White		C-phase	
	2	—	Motor Output	Not in Use	
	5	Blue		A-phase Coil	
	7	Green		B-phase Coil	
	3	Orange	NC	C-phase Coil	
	9	—		Not in Use	
Status Display LED	Ready Display LED (D1: Green)			Ready State (Drive-ready): Light ON Soft Start Operation: Blinking Error: Light OFF	
	Error Display LED (D2: Red)			Normal Operation: Light OFF Power-on Reset: Light ON (0.5 sec) Current Exceeding Overload Detected: Light ON Sensor Error: Continuous Lighting Motor Lock Detected: Blinks Once Overload Detected: Blinks Twice	
	Blown Fuse LED (D3: Red)			Turns ON when Fuse blown	
Adjustment VR	RV1 <sup>❖</sup>			Speed Setting SP1 (Set to 0 at the time of shipping)	
	RV2 <sup>❖</sup>			Speed Setting SP2 (Set to 0 at the time of shipping)	
	RV3			Soft Start Setting SOFT (Set to 0 at the time of shipping)	

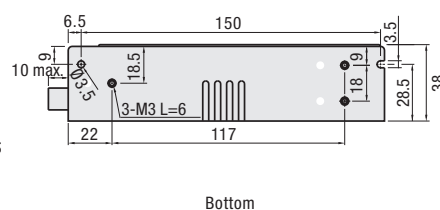
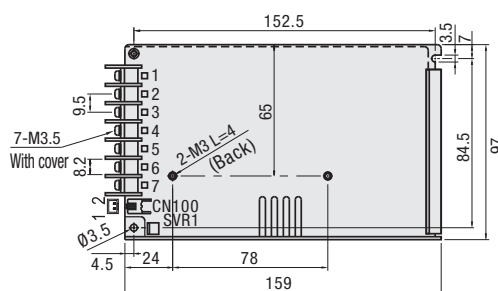


## ■ DC5V, DC12V Output

• 100W



RoHS



Bottom

## ■ Specification

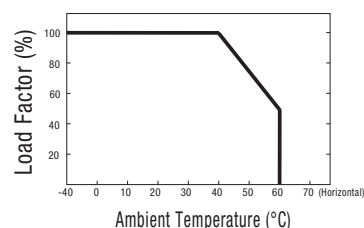
MISUMI Part Number		ESP10-100-24
Input Voltage		85~264VAC, 120~370VDC
Input Frequency		47~63 Hz
Input Current (115/230VAC)		1.2A/0.6A
Input Inrush Current (115/230VAC)		35A/65A
Output Voltage		24 V
Output Current		4.5 A
Maximum Output Power		108W
Output Ripple Noise		150mVp-p
Variable Range for Output Voltage		22.8~28.8 V
Output Voltage Allowable Tolerance		±1.5%
Maximum Input Variation in Output Voltage		±0.2%
Maximum Load Variation in Output Voltage		±0.5%
Efficiency		88%
Starting Time (115/230VAC) Max. Load		2.5s/2.5s
Holding Time (115/230VAC) Max. Load		20ms/50ms
Overcurrent Protection		Constant current and voltage drooping type, Automatic Reset 105~135%
Overvoltage Protection		Output shut down, Reset by re-application of power 30.0~34.8 V
Serial Operation		Possible
Parallel Operation		Not Possible
Function		Remote ON/OFF: possible
Operation Indicator		LED Display: Green
Operating Environment	Temperature	-40~+40°C (100%)°C (100%) -40~+60°C (50%)°C (50%)
	Humidity	20~90%RH (No Condensation)
Cooling		Natural ventilation
Insulation Resistance		100MΩ or more (in 500VDC mega); Between input-output, input-FG, output-FG
Withstand Voltage		Between input-output: 3kVAC Between input-FG: 1.5kVAC Between output-FG: 0.5kVAC For one minute respectively
Applicable Standards	Safety Standard	UL60950-1, TUV EN60950-1
	Harmonic Input Current Regulations	EN61000-3-2,3
	EMS	EN55022 class B
		EN61000-4-2,3,4,5,6,8,11 EN55024, EN61000-6-2
Expected Service Life (40°C, Max. Load)		Approximately 10 years
Thread Size of Terminal Block / Cover Mass		M3.5 Screw/With Cover 380 g

## ■ Terminal Pin No.

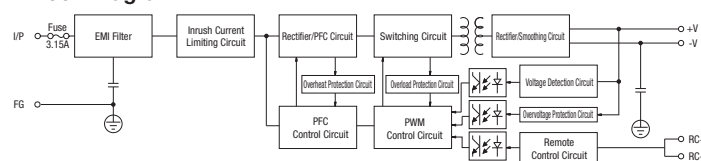
Pin No.	Pin Name	Pin No.	Pin Name
1	AC/L	4.5	DC Output -V
2	AC/N	6.7	DC Output +V
3	FG ⊥		

## ■ Remote ON/OFF (CN100): JST B-XH

Pin No.	Pin Name	Applicable Housing	Contact
1	RC-	JST XHPt	JST SXH-001T
2	RC+		

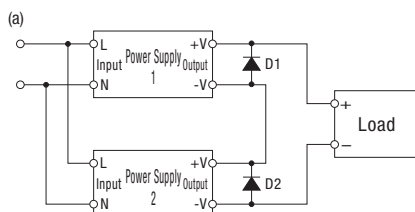


## ■ Block Diagram

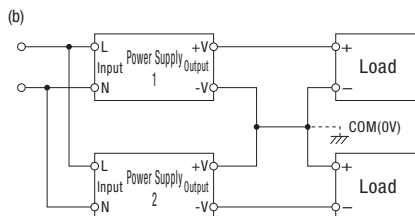


## ■ Serial Operation

The serial operations shown in the figure (a) and (b) below are possible.

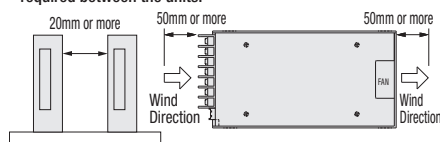


Connect the diode (D1, D2) between the output terminals of each power supply.  
The reverse voltage (maximum rating) of the diode must be able to sufficiently withstand the output voltage from each power supply.  
The forward current (maximum rating) of the diode must be able to sufficiently withstand the output current from each power supply.



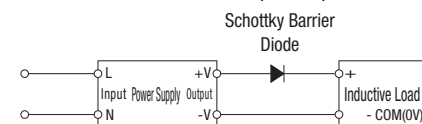
## ■ Precautions When Mounting

Make sure to arrange the power supply so that heat will not accumulate, since it is designed as a naturally-cooled unit. Please keep clearance more than 20mm around it. When you use more than one power supply unit, clearance more than 20mm is required between the units.



## ■ Precautions on Connection with Inductive Load

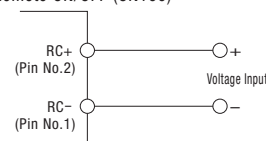
Note that when voltage exceeding the output voltage range is externally applied to the output terminal, this may cause failure in the power supply.  
When inductive load is used, be sure to externally connect a schottky barrier diode. Select an appropriate schottky barrier diode in consideration of the rated current for the power output.



## ■ Remote ON/OFF Function

Use the remote ON/OFF function to turn the power ON and OFF with external signals.  
Do not connect when the function is not in use.

Remote ON/OFF (CN100)



Power Supply Operation	Voltage Input (between RC+ and RC-)
Power ON	0~0.8VDC
Power OFF	DC 4~10VDC

\*Available as an alteration when purchasing belt conveyor.

# Motor Type

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration & Option

Belt

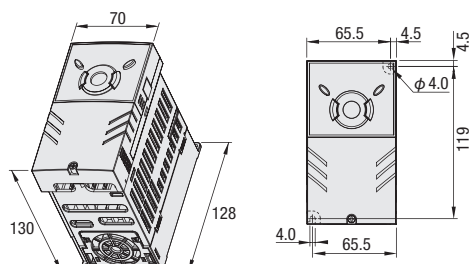
Technical Data

Compatible table

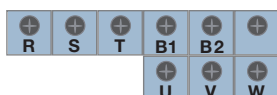


## Basic Specifications

MISUMI Part Number		SV004-IG5A-2		
Specification	Motor Power Rating (kW)	0.4	Spontaneous Power Interruption	15 msec. or Less: Continued Operation
	Rated Input Voltage (V)	3-Phase 200~230V (+10%, -15%)		15 msec. or More: Automatic Re-Start Operation Possible
	Rated Input Frequency (Hz)	50~60	Protection	Open (IP20)
	Rated Output Power (kVA)	0.95	Ambient Temperature	-10~+50 °C
	Rated Output Current (A)	2.5	Ambient Humidity	Relative Humidity 90%RH or less (No Condensation)
	Rated Output Frequency (Hz)	0.1~400	Altitude, Vibrations	1,000 m or less, 5.9 m/sec <sup>2</sup> (0.6G) or Less
	Weight (kg)	0.76	Ambient Atmospheric Pressure	70~106 kPa
	Cooling	Naturally Cooled	Environment	No Corrosive Gas, Flammable Gas, Oil Mist, Dust in Room
Operations		Choose from: Main Unit / Terminal Block / Communications / Remote Loader Analog 0~10(V), -10~10(V), 0~20(mA), 4~20(mA) Digital: Keypad (Main Unit)		



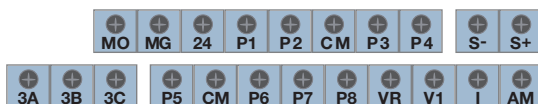
### Power Circuit Terminals



Terminal Label	Terminal Name	Explanation
R, S, T	AC Power Input	Connect Commercial AC Power
U, V, W	Inverter Output	Connect a 3-Phase Motor

Electrical Wire Size (mm <sup>2</sup> )	Terminal Screw	Ground
2	M3.5	Type 3 Grounding

### Control Circuit Terminals



Electrical Wire Size (mm <sup>2</sup> )		Terminal Screw	Tightening Torque
Single Wire	Stranded Wire		
1.0	1.5	M2.6	0.4

## Inverter Initial Settings

The default Inverter configuration is set to operate RUN/STOP button, and the frequency is changed with the cursor keys on the main unit.

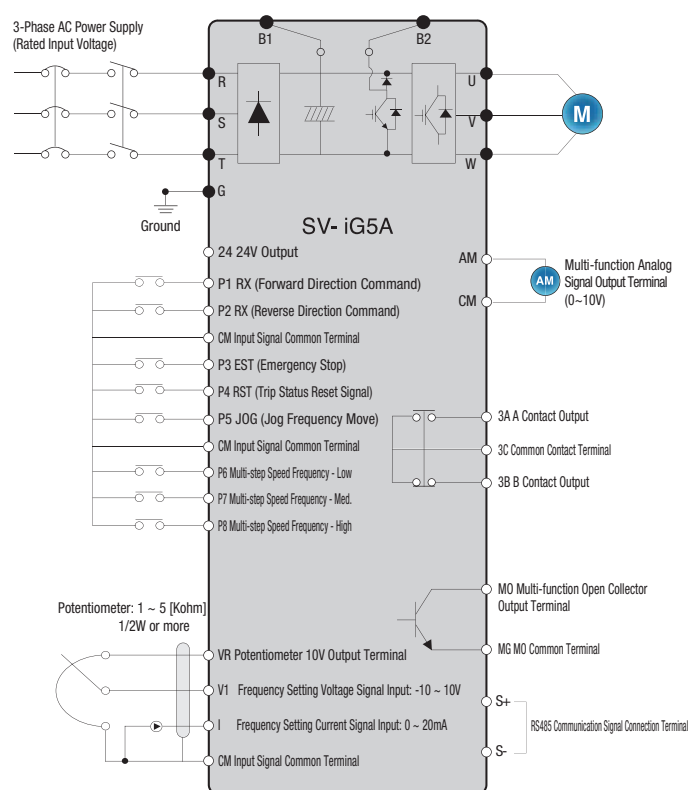
Item	Parameter
Operations	Main Unit
Output Frequency [Hz]	50
Display	Output Frequency
Direction	Forward Rotation
Accel./Decel. Time [Sec.]	3 Seconds
Frequency Setting Range [Hz]	10~120

See the inverter manual for the setting changes.

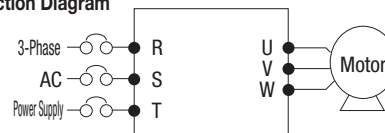
## Operation

- Wire according to the Motor Connection Diagram. Be sure to properly connect Power: R, S, T, Outputs: U, V, W wires. If incorrectly wired, the Inverter may be damaged.
- When the power is turned ON and RUN button is pressed, the conveyor will start. If the default run direction needs to be reversed, re-adjust the unit accordingly.

## Terminal Diagram



### Motor Connection Diagram



Inverter Output	Panasonic	Oriental	Taiwanese
U	White	Red	Yellow
V	Gray	White	Black
W	Black	Black	White

If rotates in reverse direction: Swap two of the leads. Reverse the inverter directional command.

# Compatible Table

## SV Series HEAD DRIVE - Selectable Width Ø30 -

Post Page P.22

Part Number	B	Available Sizes																					
		L300~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2200	L2205~2400	L2405~2600	L2605~2800	L2805~3000
SVKA	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SVKB	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	250	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## CV Series HEAD DRIVE - Variable Width Ø30 -

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Part Number	B	Available Sizes																	
		L190~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVGA	30~50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	60~100	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVGB	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## CV Series HEAD DRIVE - Variable Width Ø50 -

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Part Number	B	Available Sizes																	
		L240~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVGC	40~50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	60~100	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVGD	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# Compatible Table

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration & Option

Belt

Technical Data

Compatible table

Post page P.28

## SV Series CENTER DRIVE - Selectable Width Ø30 -

Part Number	B	Available Sizes																					
		L390~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2200	L2205~2400	L2405~2600	L2605~2800	L2805~3000
SVKN	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SVKR	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	250	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Post page P.30

## CV Series CENTER DRIVE - Variable Width Ø30 -

Part Number	B	Available Sizes																
		L355~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVGN	30~50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	60~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVGP	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Post page P.32

## CV Series CENTER DRIVE - Variable Width Ø50 -

Part Number	B	Available Sizes																
		L385~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVGR	40~50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	60~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVGW	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - High Power Type Ø60/30 -

Post page P.34

Part Number	B	Available Sizes																					
		L440~600	L605~800	L805~1000	L1005~1200	L1205~1400	L1405~1600	L1605~1800	L1805~2000	L2005~2200	L2205~2400	L2405~2600	L2605~2800	L2805~3000	L3005~3250	L3255~3500	L3505~3750	L3755~4000	L4005~4250	L4255~4500	L4505~5000	L5005~5500	L5505~6000
CVSE	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	500	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CVSF	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	500	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## CENTER DRIVE - High Power Type Ø60/30 -

Post page P.36

Part Number	B	Available Sizes																					
		L480~600	L605~800	L805~1000	L1005~1200	L1205~1400	L1405~1600	L1605~1800	L1805~2000	L2005~2200	L2205~2400	L2405~2600	L2605~2800	L2805~3000	L3005~3250	L3255~3500	L3505~3750	L3755~4000	L4005~4250	L4255~4500	L4505~5000	L5005~5500	L5505~6000
CVSX	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	500	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CVSY	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	500	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Full Belt Type Ø30 -

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Part Number	B	Available Sizes																	
		L280-300	L305-400	L405-500	L505-600	L605-700	L705-800	L805-900	L905-1000	L1005-1100	L1105-1200	L1205-1300	L1305-1400	L1405-1500	L1505-1600	L1605-1700	L1705-1800	L1805-1900	L1905-2000
CVSFA	60~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVSFC	70~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○



# Compatible Table

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration &amp; Option

Belt

Technical Data

Compatible table

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## HEAD DRIVE - Full Belt Type Ø50 -

Part Number	B	Available Sizes																
		L320~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVSFB	60~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
CVSFD	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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## CENTER DRIVE - Short Length Type Ø30 -

Part Number	B	Available Sizes															
		L220~250	L255~275	L280~300	L305~325	L330~350	L355~375	L380~400	L405~425	L430~450	L455~475	L480~500	L505~525	L530~550	L555~575	L580~600	
CVSJA	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○

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## BUILT-IN DRIVE - Selectable Width Ø70 -

Part Number	B	Available Sizes																
		L415~450	L455~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVSMA	60	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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## BUILT-IN DRIVE - Variable Width Ø32 -

Part Number	B	Available Sizes																
		L370~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVSMB	70~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○

# CENTER DRIVE - Thin Type Ø15 -

Post Page P.48

Part Number	B	Available Sizes																
		L390~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVLPA	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# HEAD DRIVE - Motor Mount Position Selection Type Ø30 -

Post Page P.50

Part Number	B	Available Sizes																	
		L200~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVMATM <input type="checkbox"/> CVMABM <input type="checkbox"/>	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
CVMASM <input type="checkbox"/>	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○
CVMBTM <input type="checkbox"/> CVMBBM <input type="checkbox"/>	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CVBBSM <input type="checkbox"/>	50~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# HEAD DRIVE - Stainless Steel Belt Type Ø50 -

Post Page P.54

Part Number	B	Available Sizes																	
		L250~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVSSA	40~60	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	70~90	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100~120	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	130~150	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# Compatible Table

## HEAD DRIVE - Cleated Belt Type Ø50 -

Post page P.56

Part Number	H	B	Available Sizes																			
			L500-600	L605-700	L705-800	L805-900	L905-1000	L1005-1100	L1105-1200	L1205-1300	L1305-1400	L1405-1500	L1505-1600	L1605-1700	L1705-1800	L1805-1900	L1905-2000	L2005-2200	L2205-2400	L2405-2600	L2605-2800	L2805-3000
CVDSA (Belt for Food, White)	30	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		100	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		250	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CVDSB (Oil Resistant Belt for Food, Green)	30	50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		100	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		150	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		200	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		250	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		300	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Single Track Timing Belt Type Ø19/20 -

Post page P.58

Part Number	B	Available Sizes																	
		L245-300	L305-400	L405-500	L505-600	L605-700	L705-800	L805-900	L905-1000	L1005-1100	L1105-1200	L1205-1300	L1305-1400	L1405-1500	L1505-1600	L1605-1700	L1705-1800	L1805-1900	L1905-2000
CVSTC	10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## CENTER DRIVE - Single Track Timing Belt Type Ø19/20 -

Post page P.60

Part Number	B	Available Sizes																
		L330~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000
CVSTR	10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Dual Track Timing Belt Type Ø30 -

Post page P.62

Part Number	B	Available Sizes																					
		L255~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2250	L2255~2500	L2505~2750	L2755~3000
CVGTA	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Dual Track Timing Belt Type Ø50 -

Post page P.64

Part Number	B	Available Sizes																					
		L265~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2250	L2255~2500	L2505~2750	L2755~3000
CVGTB	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Summary

Flat Belt

BUILT-IN / Flat

Special Specifications

Timing Belt

Plastic Chain

Alteration & Option

Belt

Technical Data

Compatible table

## CENTER DRIVE - Dual Track Timing Belt Type Ø30 -

Post page P.66

Part Number	B	Available Sizes																					
		L265~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2250	L2255~2500	L2505~2750	L2755~3000
CVGNTN	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## CENTER DRIVE - Dual Track Timing Belt Type Ø50 -

Post page P.68

Part Number	B	Available Sizes																				
		L325~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2250	L2255~2500	L2505~2750	L2755~3000
CVGTP	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	160~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	260~300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Single Row Plastic Chain Type Ø57 -

Post page P.70

Part Number	B	Available Sizes																					
		L350~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2200	L2205~2400	L2405~2600	L2605~2800	L2805~3000
CVSPC	20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## HEAD DRIVE - Dual Track Plastic Chain Type Ø57 -

Post page P.72

Part Number	B	Available Sizes																					
		L300~450	L455~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	L2005~2600	L2605~2700	L2705~2800	L2805~2900	L2905~3000
CVSPA	80~100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	110~200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	210~300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# Q & A

## Q. Why is the belt drifting off-track when the conveyor is in use?

### A. Check for:

1. Curved or bent aluminum frame
2. Belt stretch/looseness
3. Foreign matter deposits on the pulley/idler

\*There may be some lateral movement when the conveyor is first used, but it should go away as the belt adapts to the system after a certain period of operation.

## Q. Why is the belt sliding to one side?

### A. Check for:

1. It may be caused by the conveyor aluminum frame bending or curving.
2. If transported material is unbalanced to one side, the belt may creep to that side.

## Q. Why are there abnormal noises and/or vibrations when the conveyor is running?

### A. Check for:

1. Drive belt may be excessively loose or tight.
2. The belt may be worn. Please replace the belt if the backside is worn.
3. The pulley or idler may be damaged, or some foreign substance may be present.

## Q. Can the conveyor belt direction be reversed?

### A. Belt direction reversal is not recommended because the conveyors are not designed to operate in reverse mode.

## Q. Is it possible to purchase only the conveyor components (such as an aluminum frame)?

### A. Components such as aluminum frames and belts can be ordered from the Conveyor Components pages of "Conveyor Resource Site". Please refer to P. 4 for more details.

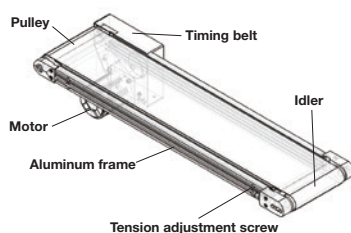
## Q. Is it possible to buy Flat Belts and Timing Belts for maintenance?

### A. Yes, any necessary parts can be found on "Conveyor Resource Site". Please refer to P. 4 for more details.

## Q. Is it possible to buy a conveyor without a motor?

### A. It is possible. Please purchase a Beltless/Driveless Conveyor. These units are supplied with the separate components and require assembly. Please refer to P. 4 for more details.

#### Parts Name



[www.misumiusa.com/conveyor](http://www.misumiusa.com/conveyor)

For more information ▶ P. 4~



## Annex B – Warranty

All products (the “Products”) purchased by the Customer from MISUMI USA, Inc. (the “Company”) that are listed in the Company’s catalogs issued by the Company and/or available on the Company’s website (the “Catalog”) are governed by the Website Terms and Conditions and the Terms and Conditions of Sale (together, the “Terms and Conditions”) and the following warranty provisions (this “Warranty”). Please note that this Warranty will not apply to Special Orders where the Company provides a separate warranty for such Special Order. By purchasing or using the Products, the Customer agrees to this Warranty regardless of any other warranty provisions the Customer may have with the Company regarding the Products.

The Company only extends this Warranty to the original Customer of the Products, provided that the Products are used solely in the country where originally shipped, which will only be the United States, Canada, or certain countries in South America or Central America. The Company provides no warranty whatsoever, either express or implied, to any subsequent purchasers or users of the Products, or for any use of the Products outside of the country where originally shipped.

Some of the Products come with a manufacturer guarantee certificate or warranty. In this case, please be aware that the manufacturer guarantee certificate or warranty will supersede this Warranty and this Warranty will not be applicable.

### Scope and Period of Warranty

1. The Company warrants that all Products sold or delivered hereunder shall be free from Defects in workmanship, materials, and manufacture, at the time of delivery and for a period of one (1) year from the shipping date. “Defects” are any damage, deformation or defects to the Products that are attributable to the Company. “Defects” do not include minor flaws such as scratches, marks, dents, or discoloration that do not make the Products unusable; provided, however, that if the Company deems any flaws such as scratches, marks, dents or discoloration to be particularly significant, such flaws will constitute a Defect.
2. THE COMPANY’S WARRANTY HEREIN IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF THE COMPANY, THE MANUFACTURER OF THE PRODUCTS, AND ANY OTHER ENTITY INVOLVED IN THE MANUFACTURE, SALE, OR SERVICING OF THE PRODUCTS (OR ANY PORTION THEREOF) AND THEIR RESPECTIVE SUBSIDIARIES, AFFILIATES AND RELATED COMPANIES (HEREINAFTER COLLECTIVELY REFERRED TO AS THE “MANUFACTURING AND SELLING COMPANIES”), EXPRESS, IMPLIED OR STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE.
3. The following cases are outside of the scope of this Warranty:
  1. Defects caused by use of the Products in any way other than as a part of General Production Equipment. In this case, “General Production Equipment” means automatic assembly machinery, machining jigs, inspection jigs, and factory automation machinery, but does not include transportation devices with the purpose of transporting humans such as automobiles, vehicles, or ships, medical equipment with the purpose of curing and diagnosing humans, or consumer goods that are used in general households such as electronic and electric equipment.
  2. Defects caused by use of the Products in aerospace equipment, nuclear energy equipment, or military-related products such as weapons or arms.
  3. Defects caused by recklessness or error in the Customer’s handling of the Products, including any abuse, misuse, improper installation, maintenance or operation, or electrical failure.
  4. Defects caused by natural disasters (including, without limitation, earthquakes, fires and floods).
  5. Defects caused by failure to comply with conditions relating to the Products that are listed in the Terms and Conditions or in the Catalog, such as the specifications, intended uses, terms of use, conditions of use, or drawings; or with any notice or other description in documentation that comes with the Products (or accessories).
  6. Defects caused by the Customer itself in processing, repairing, modifying or disassembling the Products.
  7. Defects caused by equipment other than the Products.
  8. Defects caused by using the Products for untested or unanticipated purposes or in untested or unanticipated ways.
  9. The Customer’s use of the Products in violation of any law, regulation, or ordinance.
  10. Any other case in the Catalog in which the Company has determined it will not warrant the Products, or repair or replace the Products.

### Remedies

1. The Customer’s sole and exclusive remedy under this Warranty shall be limited to, at the Company’s discretion, the replacement or repair of any defective Products or part thereof, or a refund of the purchase price paid by the Customer for the Product in exchange for the Customer’s return of the Product to the Company, free and clear of all liens and encumbrances of any nature. Such remedy is contingent upon (i) the Customer providing written notice to the Company within the warranty period, with sufficient detail as to the alleged Defects, and (ii) the Company deems the Defects to be attributable to the Company.
2. Within one (1) week of receipt of the Products, the Customer must properly inspect the Products to confirm the accuracy of the name and quantity of the Products, verify that the specifications of the Products match those listed in the Catalog, and verify that there are no visible Defects in the Products at that time. If the Customer finds any Defect during its inspection, the Customer must give written notification to the Company within one (1) week of receipt of the Products. Failure to perform such inspection or notify the Company of such Defect may result in the Company rejecting any claim under this Warranty.
3. The customer will be charged for all replacements and repairs of the Products that take place after the warranty period, are outside the scope of this Warranty, or are otherwise not subject to this Warranty.
4. In certain cases, repair or replacement may not be possible due to the nature, production date or specification of the Products.

### Disclaimer

IN NO EVENT SHALL THE COMPANY AND/OR THE MANUFACTURING AND SELLING COMPANIES BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF THE COMPANY AND/OR THE MANUFACTURING AND SELLING COMPANIES, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS; AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED OR REWORKED BY ANYONE NOT APPROVED BY THE COMPANY.

IN NO EVENT SHALL THE COMPANY’S LIABILITY HEREUNDER OR OTHERWISE ARISING RELATIVE TO THE SALE OF THE PRODUCT EXCEED IN ANY EVENT OR UNDER ANY THEORY OR CAUSE OF ACTION, THE PURCHASE PRICE PAID BY THE CUSTOMER TO THE COMPANY FOR THE PRODUCT.

### Other Terms

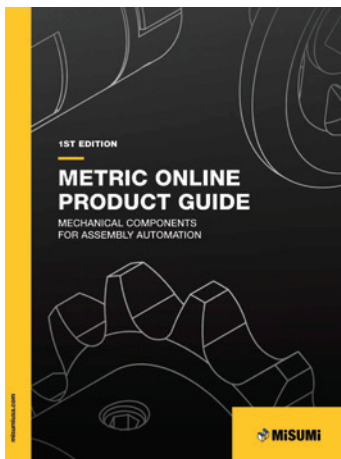
1. This Warranty only applies to the purchase and use of the Products within the country where originally shipped, whether it be the United States, Canada, or a country in South America or Central America, and such Warranty is not applicable outside of this country.
2. Under this Warranty, the Company may request the Customer to return the Products that need to be repaired or replaced to the Company. Please be aware that the Company cannot send employees to the Customer to repair or replace the Products.
3. Production and sale of the Products may be ceased at the discretion of the original manufacturer. Please be aware that in this case it will not be possible to replace the Product with the exact same product.
4. The Company may revise, modify or amend this Warranty (“Amendments”) and will set forth such Amendments in the Catalog or on the website of the Company. If the Customer orders the Products after such Amendments, the Customer will be deemed to have approved and accepted such Amendments.



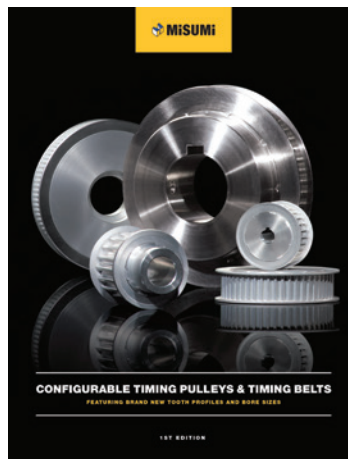


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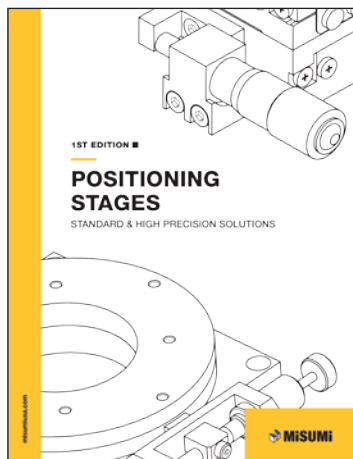
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Product Guide



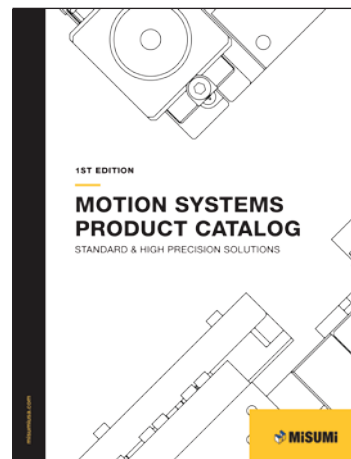
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