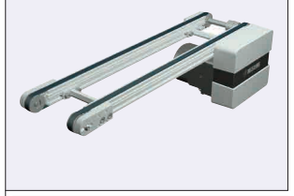
Timing Belt Conveyors

Dual Track, Head Drive, 2-Groove Frame (Pulley Dia. 30mm)

Features: Since there are two rows of conveyor surfaces, sensors and stoppers can be mounted between the belts. Belt replacement can be done more easily compared to CVSTA.

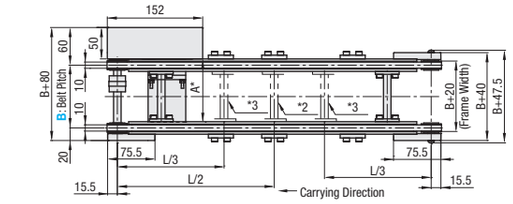


	Frame	Motor Cover	Pulley Holder
M Material	Aluminum	Aluminum	Aluminum
S Surface Treatment	Clear Anodize	Paint	Paint

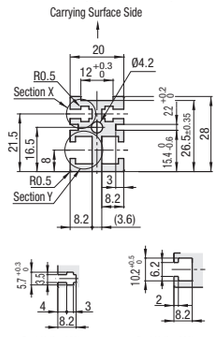
CVGTA

Concerning the Rigid Couplings of B=101 or more ordered after April 1 2017, the set screw specifications will be changed, and the couplings will be fixed with adhesive.

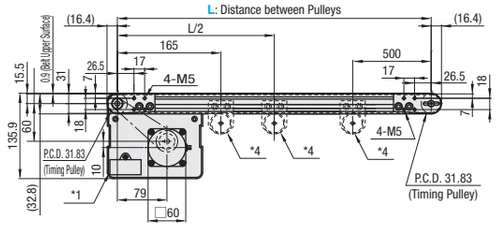
6W Motor Type



Frame Cross Section and Enlarged View (Symmetrical)

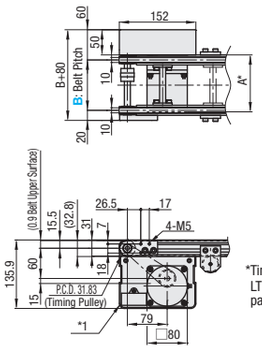


Compatible with JIS standard hex nuts.



* When L≤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 Induction Motors Only
*2 When 1005≤L≤2000, Joints mounted at these locations (1 place)
*3 When 2005≤L≤3000, Joints mounted at these locations (2 places)
*4 Belt Support Roller: When 2005≤L, mounted at these locations (3 places)

*Timing belts used is T5 Type (**P. 1473** LTBRA-T5100 onward). See product pages for details.

*** A Dimension Details**

Output (W)	Motor Specification	Motor Manufacturer	Reduction Ratio	A
6W	Induction Motor	Panasonic	12.5~25	101.0
			30~180	108.0
		Oriental	12.5~25	105.0
			30~180	115.0
	Variable Speed Motor	Panasonic	12.5~25	111.0
			30~180	118.0
		Oriental	12.5~25	115.0
			30~180	125.0
25W	Induction 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

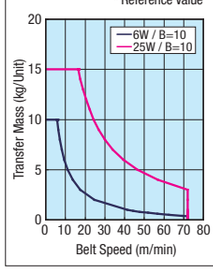
Gearhead Reduction Ratio

*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

Conveying Capacity

* Reference Value



Part Number	B 1mm Increment	L 5mm Increment	Motor Output (W)	Motor Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection (The prices vary by manufacturer)
CVGTA	80~300	255~3000	6 25	TA230 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180 ⊗5~9 not applicable for 6W Motor	S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor)
			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. 1267** onward. For belt details, see **P. 1279** onward.
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.

Part Number	B	Body Price 1 ~ 2 pc(s). 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																						

For orders larger than indicated quantity, Days to Ship and Price are to be quoted.

Motor, Belt Spec. Price	Motor Output	Specification	A (Panasonic Motor)	B (Oriental Motor)	R (No Motor, Gearhead)	J (No Belt)
	6W 25W	IM SCM				

Ordering Example: Part Number - B - L - Motor (Output - Voltage - Specification - Gearhead Reduction Ratio) - Belt Specification - Motor Manufacturer Selection
CVGTA - 80 - 1360 - 6 - TA230 - IM - 50 - S - A

Alterations: Motor Position Reversed; Additional Counterbores; Motor Cover with Window; Brackets for Speed Controller Included; Post-Assembly Insertion Nuts Included; Motor with Terminal Box; Stands (Legs)
For details of alterations, see **P. 1264** onward.

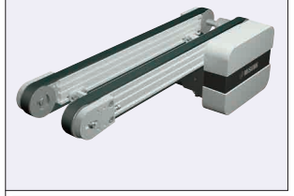
Ex.) For No Motor, Gearhead — CVGTA-100-1000-25-NV-NM-NH-S-R
Ex.) For No Belt — CVGTA-100-1000-25-T100-IM-5-J-C

➡ Body Price + Price with Motor + Belt Spec. Price = Unit Price

Timing Belt Conveyors

Dual Track, Head Drive, 3-Groove Frame (Pulley Dia. 50mm)

Features: Since there are two rows of conveyor surfaces, sensors and stoppers can be mounted between the belts. Belt replacement can be done more easily compared to CVSTB.

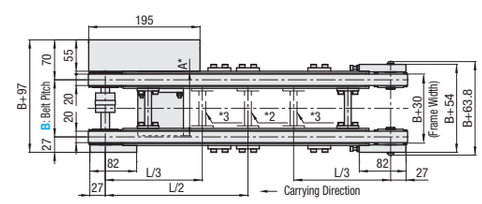


	Frame	Motor Cover	Pulley Holder
M Material	Aluminum	Aluminum	Aluminum
S Surface Treatment	Clear Anodize	Paint	Paint

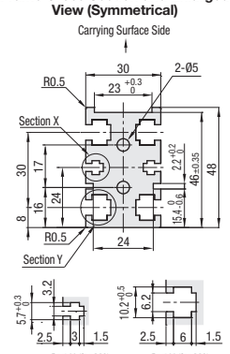
CVGTB

Concerning the Rigid Couplings of B=101 or more ordered after April 1 2017, the set screw specifications will be changed, and the couplings will be fixed with adhesive.

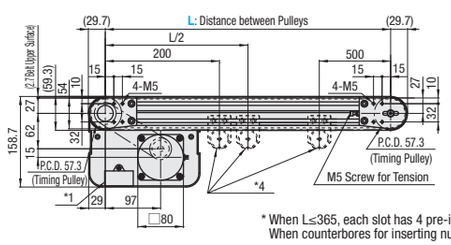
25W Motor Type



Frame Cross Section and Enlarged View (Symmetrical)

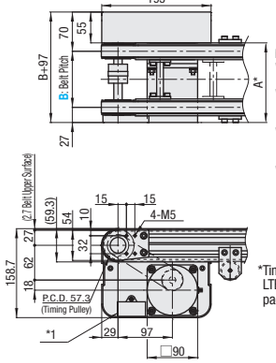


Compatible with JIS standard hex nuts.



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

40W Motor Type



Note
*1 Capacitor: Installed on Single-Phase Induction Motors Only
*2 When 1005≤L≤2000, Joints mounted at these locations (1 place)
*3 When 2005≤L≤3000, Joints mounted at these locations (2 places)
*4 Belt Support Roller: When 2005≤L, mounted at these locations (3 places)

*Timing belt used is T10 Type (**P. 1473** LTBRA-T10200 onward). See product pages for details.

*** A Dimension Details**

Output (W)	Motor Specification	Motor Manufacturer	Reduction Ratio	A
25W	Induction 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	Induction 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

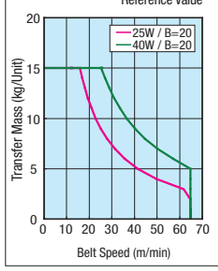
Gearhead Reduction Ratio

*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

Conveying Capacity

* Reference Value



Part Number	B 1mm Increment	L 5mm Increment	Motor Output (W)	Motor Voltage (V)	Motor Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection (The prices vary by manufacturer.)
CVGTB	80~300	265~3000	25 40	TA230 (Single-phase)	IM (Induction 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)
				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. 1267** onward. For belt details, see **P. 1279** onward.
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.

Part Number	B	Body Price 1 ~ 2 pc(s). 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																						

For orders larger than indicated quantity, Days to Ship and Price are to be quoted.

Motor, Belt Spec. Price	Motor Output	Specification	A (Panasonic Motor)	B (Oriental Motor)	R (No Motor, Gearhead)	J (No Belt)
	25W 40W	IM SCM				

Ordering Example: Part Number - B - L - Motor (Output - Voltage - Specification - Gearhead Reduction Ratio) - Belt Specification - Motor Manufacturer Selection
CVGTB - 160 - 880 - 25 - TA230 - IM - 120 - S - A

Alterations: Motor Position Reversed; Additional Counterbores; Motor Cover with Window; Brackets for Speed Controller Included; Post-Assembly Insertion Nuts Included; Motor with Terminal Box; Stands (Legs)
For details of alterations, see **P. 1264** onward.

Ex.) For No Motor, Gearhead — CVGTB-100-1000-25-NV-NM-NH-S-R
Ex.) For No Belt — CVGTB-100-1000-25-T100-IM-5-J-C

➡ Body Price + Price with Motor + Belt Spec. Price = Unit Price