

Pallet Transfer System



Pallet Transfer System

Version 6.0



Modular Industrial Automation Co. Ltd., established in 2009, a Chinese national high-tech enterprise. We are dedicated to the development of breakthrough industrial automation technology through our state-of-the-art automated conveyor systems.

We provide quality automated conveyor systems and solutions for system integrators and end-users, with our products widely used across many industries including new energy, automotive components, home appliances and 3C electronics. Integrating R&D, production sale and service enables us to develop cutting-edge products, putting us in a leading position in the industry.

Our mission is to consistently create value for customers, shareholders, employees and society. We adhere to our core values of "Professionalism, Devotion, Keep Improving". Driven by innovation and excellence, our vision is to become the global leader in quality industrial automated conveyor systems, shaping a bright future for the industry.

213000 m²

Land Area

1100+

Total Employees

200+

R&D Staff

165

Patents held

Assembly Workshop

With enough assembly space, perfect assembly process and excellent technical knowledge, which ensure the quick delivery.



Machining Workshop

Modular is keeping improving the core capacity of process and production. All key components and parts, and most of other elements are in-house production.



Storage Workshop

With large-scale warehouse and high storage volume, which ensure the stable supply capacity.



Profession Devotion Keep Improving

- Experienced team of engineers
- Professional equipment and years of practice
- Standardized operating procedures
- High-quality sales team and customer-oriented service tenet
- Modular provides you not only the products, but also the cutting-edge concepts in the industrial field
- We want to show you not only our product quality, but also an attitude of service







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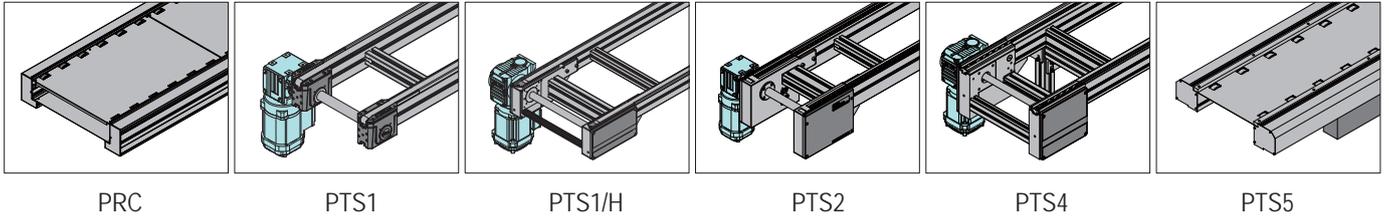


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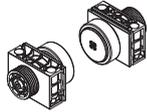
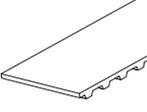
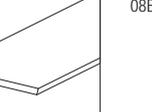
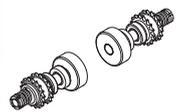
Pallet Transfer System

Pallet Transfer System (PTS) are composed of PRC, PTS1, PTS1/H, PTS2, PTS4 and PTS5 differ in size and permissible load. The pallet transfer system consist of standardized components which could freely combined with other units to suit for specific production conditions.

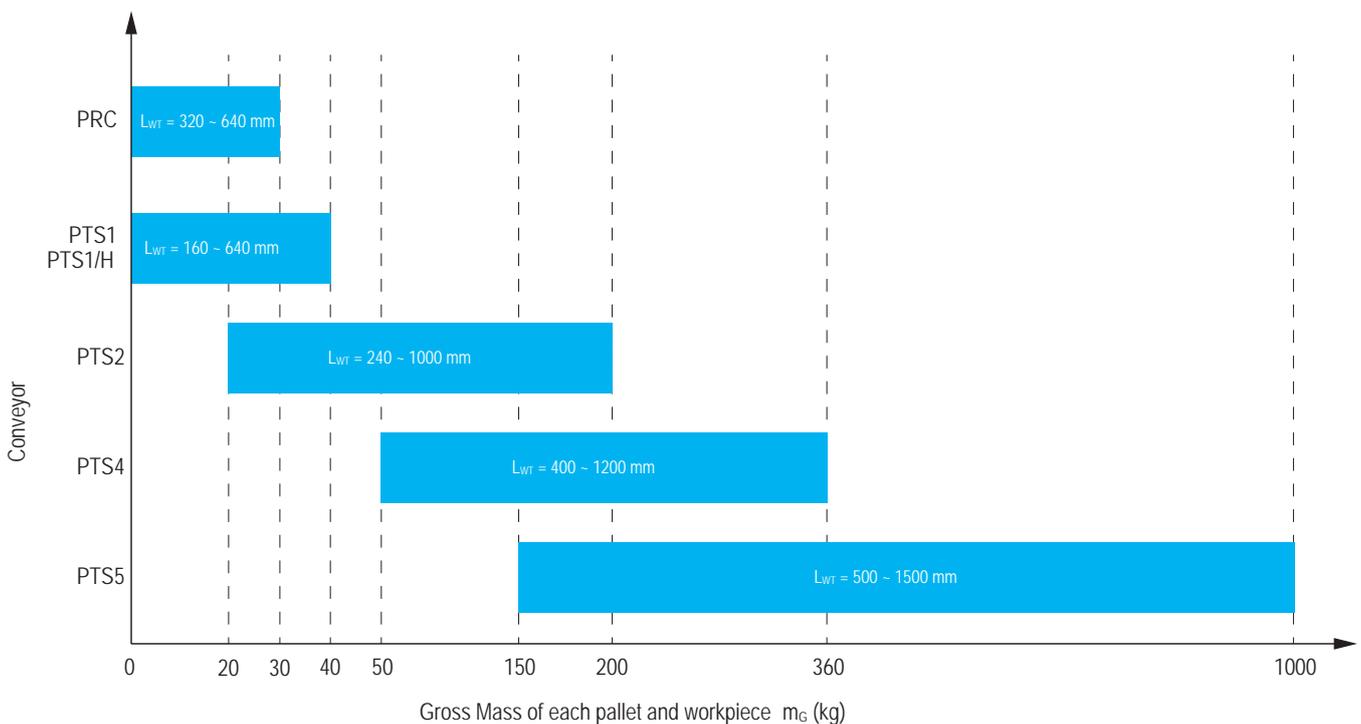
PTS Pallet Transfer System Overview



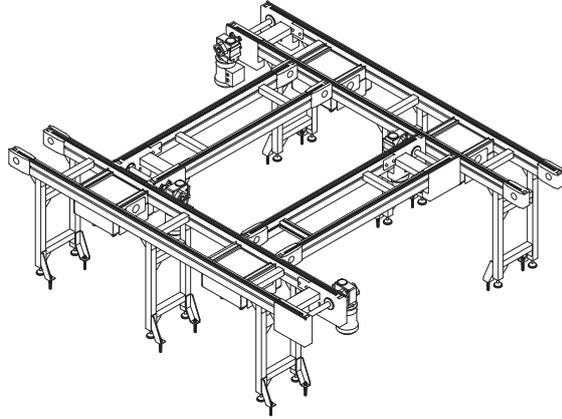
Conveyor Parameter

Conveyor Type	PRC	PTS1	PTS1/H	PTS2	PTS4	PTS5
Key Parameter						
Conveying Medium				08BS	12BS	
Max. Unit Load Capacity	—	1 kg/cm	1 kg/cm	1.5 kg/cm (PA) 2.0 kg/cm (ST)	4.0 kg/cm	200 kg for each pair of rollers
Max. Total Load Capacity	30 kg	60 kg	150 kg	1200 kg (PA) 2200 kg (ST)	3000 kg	4500 kg

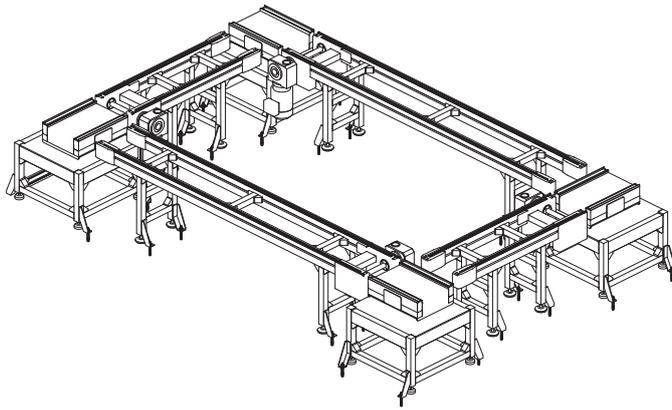
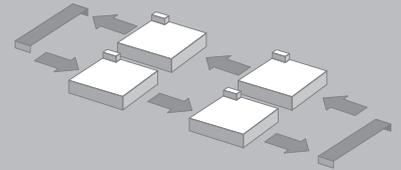
Conveyor Typical Application



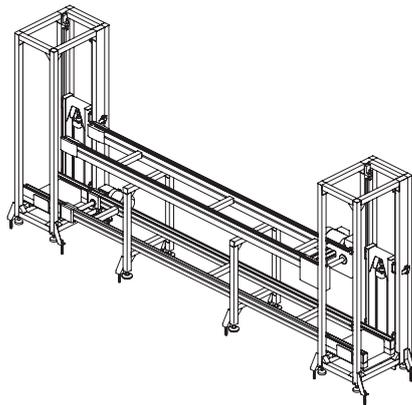
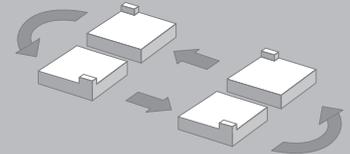
Layout Planning



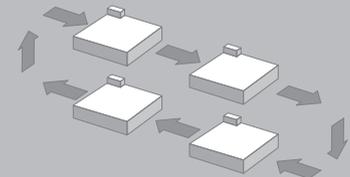
Horizontal Circuit A



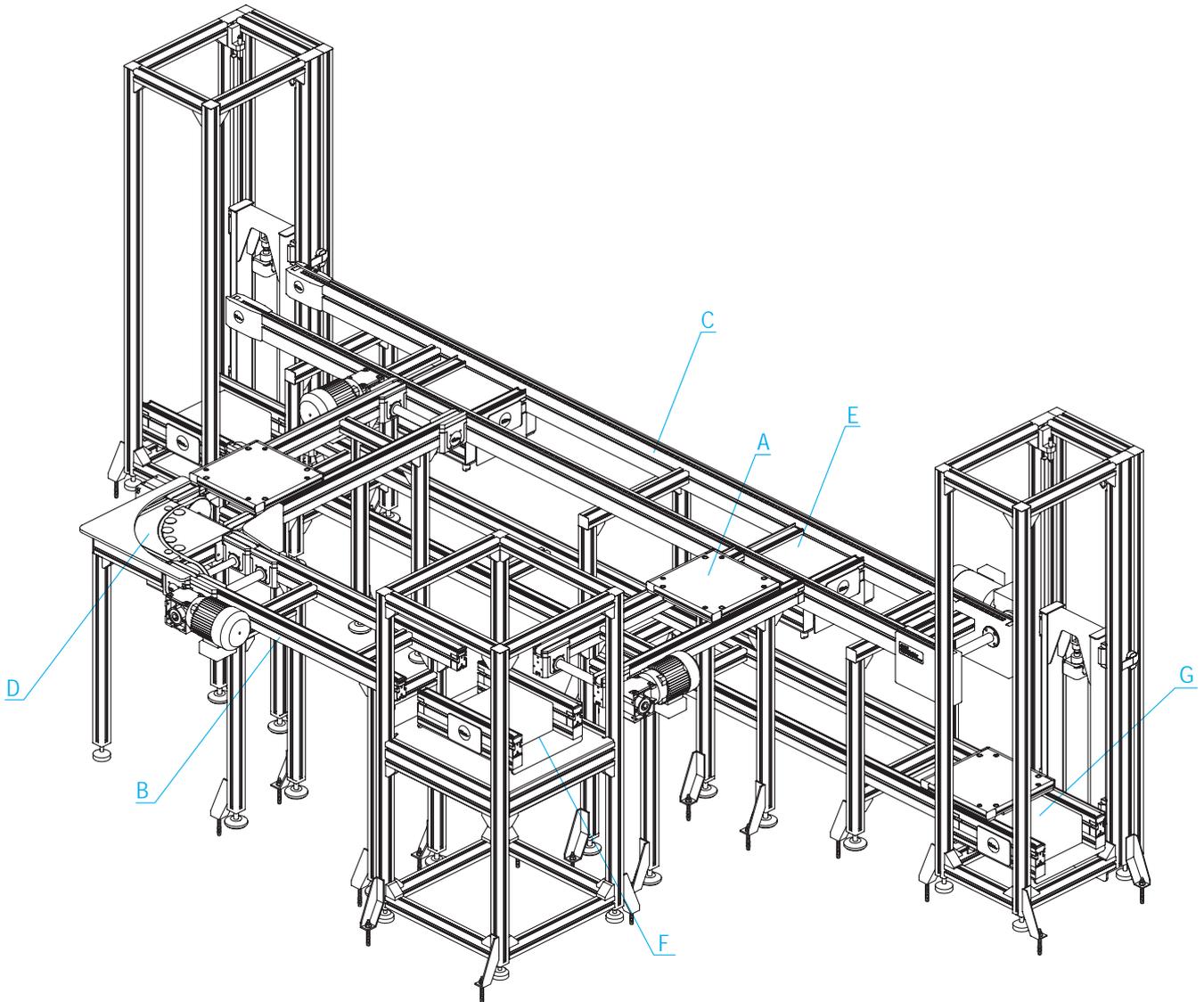
Horizontal Circuit B



Vertical Circuit



PTS1 & PTS1/H & PTS2 Pallet System



Total load capacity of PTS1 pallet conveyor is within 60 kg.
 Total load capacity of PTS1/H pallet conveyor is within 150 kg.
 Total load capacity of PTS2 pallet conveyor is within 2200 kg.
 In conjunction with other units to suit for automatic transfer requirements.

- A Pallet

- B PTS1 & PTS1/H Pallet Conveyor

- C PTS2 Pallet Conveyor

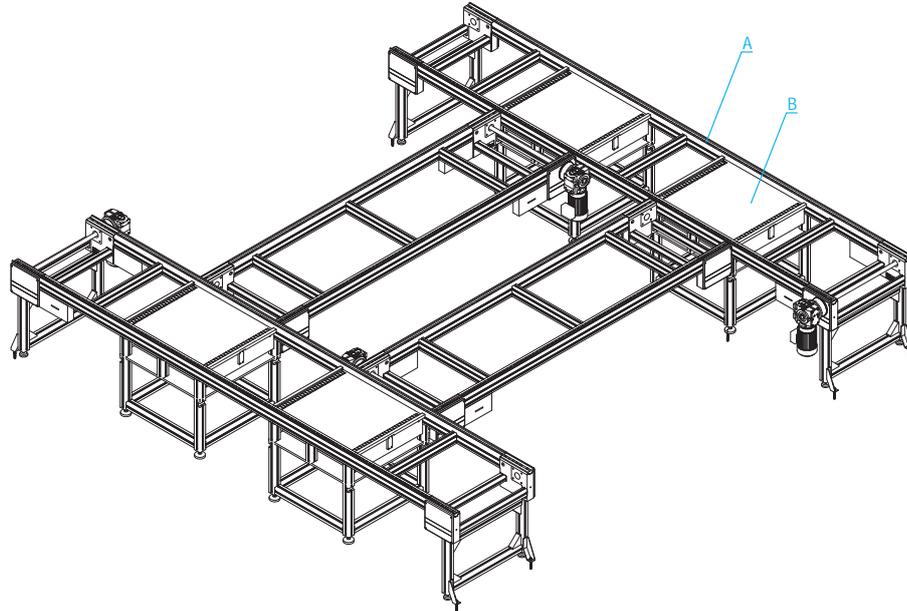
- D PCU90 Round Belt Curve

- E PLT60 Lift and Transverse Unit

- F PRO30 Rotate Unit

- G PLI60 Lift Unit

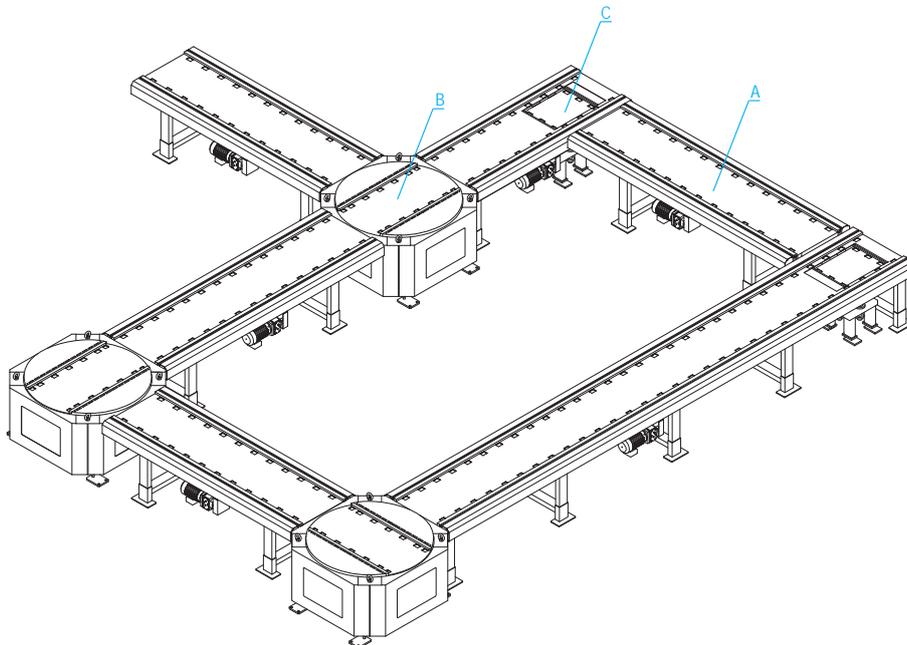
PTS4 Pallet Conveyor



PTS4 pallet conveyor is suitable for maximum load of 3000 kg per pallet and workpiece and could freely combined with other units to suit for specific production conditions.

- A PTS 4 Pallet Conveyor
- B PLT200 Lift and Transverse Unit

PTS5 Pallet Conveyor



PTS5 pallet conveyor is suitable for maximum load of 4500 kg per pallet and workpiece and could freely combined with other units to suit for specific production conditions.

- A PTS5 Pallet Conveyor
- B PRO1000 Rotate Unit
- C PLI1000 Lift and Transverse Unit

Pallet working principle

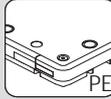
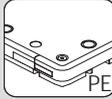
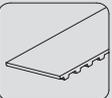
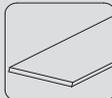
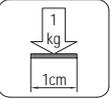
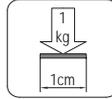
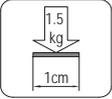
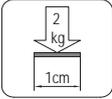
The pallet is as the transferring tool to convey the workpiece to each work station. The pallet will be stopped by the Stop when it arrives at the work station. The conveying medium will continuously operate.

Pallet application

Application: The aluminum profile frame pallet WP2/R with aluminum supporting plate is a pallet for PRC high speed roller conveyor lines, Plastic frame pallet (WP2/S, WP2/E) and aluminum profile frame pallet (WP2/C), with steel or aluminum support plate, are both applicable for small load and medium load.

Pallet Type	Frame Feature	Specification	Weight	Custom Made
WP2/R Pallet	High strength aluminum profile	Min. 240 mm x 320 mm Max. 640 mm x 640 mm		Available any dimension within range of 160mm-800mm
WP2/S Pallet	(PA) module	Min. 160 mm x 160 mm Max. 800 mm x 800 mm	20% - 35% lighter than WP2/C for same specification	Not Available
WP2/E Pallet	(PA) module	Min. 160 mm x 160 mm Max. 800 mm x 800 mm	25% - 45% lighter than WP2/C for same specification	Not Available
WP2/C Pallet	High strength aluminum profile	Min. 160 mm x 160 mm Max. 640 mm x 640 mm		Available any dimension within range of 160mm-800mm

Unit loading capacity (f) of conveyor medium refers to the following estimation:

Material of Friction Strip				
Suitable Pallet	WP2/E pallet , WP2/R pallet , WP2/S pallet , WP2/C pallet		WP2/S pallet , WP2/C pallet	
Conveyor Medium	 Toothed belt	 Base belt	 Accumulation roller chain (PA)	 Accumulation roller chain (ST)
Unit Loading Capacity				

 In order to have customer choosing Modular pallet quickly and exactly, our pallets are supplied in full set or in parts (see Page 10 for details). The customer provides the ordering reference number just according to requirements on pallet models, dimensions, features and mass estimation etc.

Please contact us for non-standard pallet or special requirements.

Environment condition - Climate

Working temperature

- ▶ + 5° C ~ + 40° C
- ▶ + 5° C ~ + 40° C
- ▶ The load capacity will be affected if the temperature is more than + 40° C or less than + 5° C
- ▶ More than + 40° C, please contact us

Relative humidity

- ▶ 5 ~ 85%, non-condensing
- ▶ 1 ~ 2%, according to customers' requirements

Storage temperature

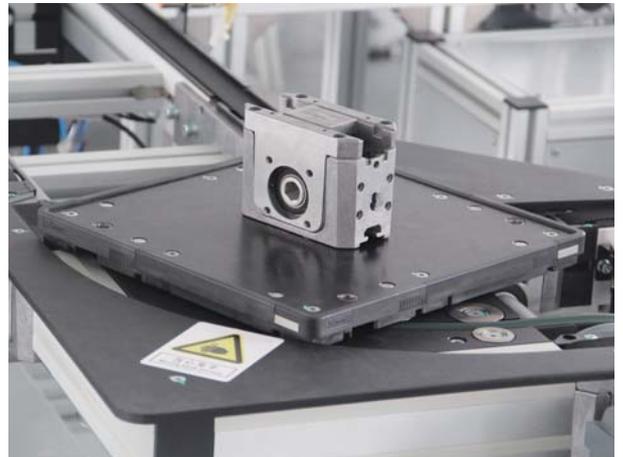
- ▶ -10° C ~ +50° C

Environment condition - Chemical environment

- ▶ Do not locate beside industrial system with chemicals emission

Environment condition - Physical environment

- ▶ Do not locate near the area with much debris, sand-dust. Do not locate within the area which is impacted often, such as punching machine, heavy machinery etc.



Pallet

Pallet application environment and examples

- ▶ The high quality material is chosen to ensure the continuous working condition. The pallet is protected from corrosion of the common lubricants or cleaners in industrial area, but not corrosion of testing liquid, gas or solvent. The customer need to inform the working condition on site before pallet selection to avoid unnecessary loss.
Please contact us for any questions.
- ▶ ESD, applicable for area sensitive to static



Pallet

Estimation of pallet gross mass

Allowable pallet and workpiece gross mass m_G is subject to the following aspects:

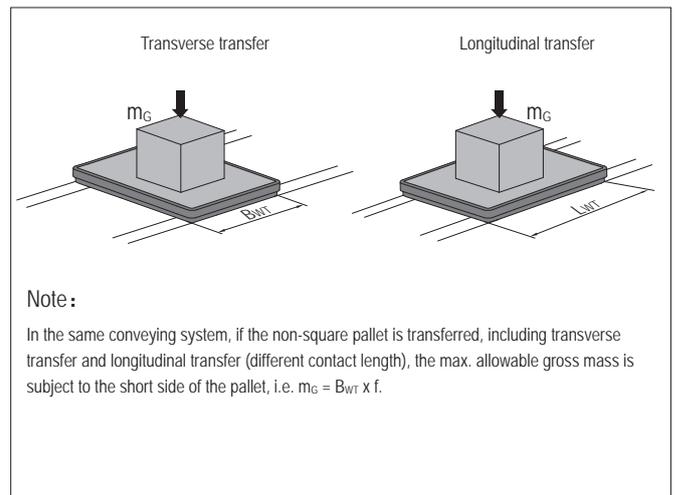
- ▶ Conveying medium: toothed belt, base belt, accumulation roller chain
- ▶ Contact length L_{WT} or B_{WT} between pallet and conveying medium

Estimation of allowable pallet and workpiece gross mass:

$$m_G = L_{WT} \times f$$

$$m_G = B_{WT} \times f$$

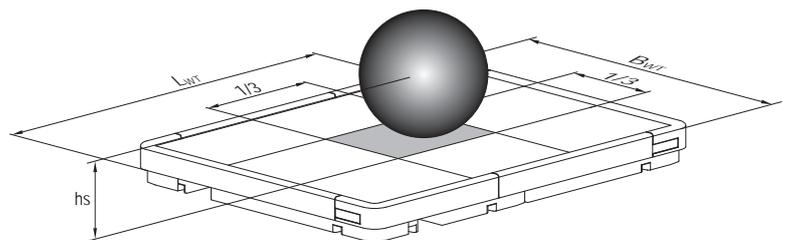
- ▶ m_G : weight of pallet+weight of workpiece, unit: kg
- ▶ L_{WT} : long side of the pallet, unit: cm
- ▶ B_{WT} : short side of the pallet, unit: cm
- ▶ f : Unit loading capacity of the conveying medium, unit: kg/cm (See Page 06 for conveying medium)



Allowable center of gravity for the pallet

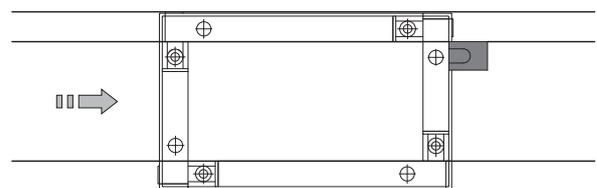
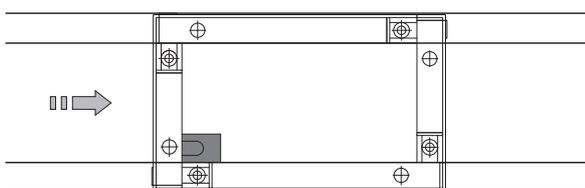
The gravity center of the load on the pallet is crucial for the stability of the pallet when the pallet is stopped or direction changed. The service life of the equipment and pallet will be affected due to high gravity center or offset gravity center. It is suggested:

- ▶ The load shall be at the center of the pallet
- ▶ Height of load gravity h_s not more than $1/2 B_{WT}$ ($B_{WT} < L_{WT}$)
- ▶ In order to keep the load at the center of the pallet, it is suggested to choose bigger pallet for big load or uneven load

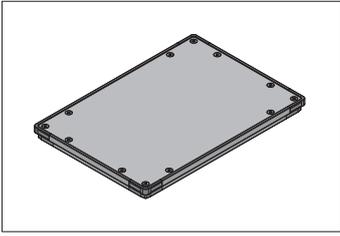


Installation position of pallet stop

When the stop is used with WP2/S, WP2/S or WP2/C, it will be mounted in rear right or front left position in the direction of transport.

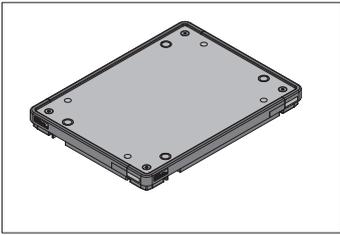


Pallet Selection



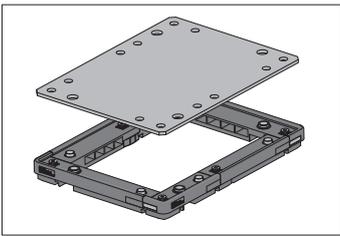
WP2/R Pallet

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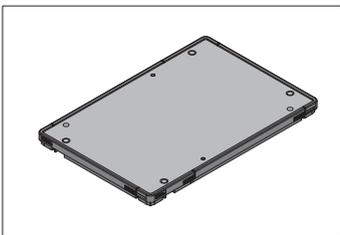
WP2/S Pallet

Page 13



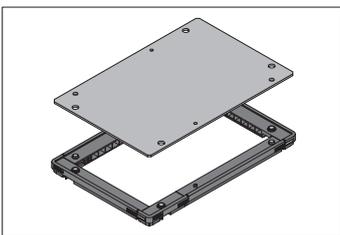
WP2/S Pallet components

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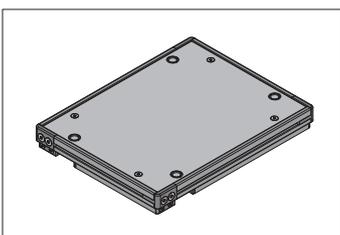
WP2/E Pallet

Page 31



WP2/E Pallet components

Page 35



WP2/C Pallet

Page 49



WP2/R Pallet

	Delivery	10-15	Workday
	Please contact us for non-standard products		

Features/Benefits

1. Designed specifically for high-speed roller conveyors. The pallet bottom is flat without any notches or steps which can ensure smooth operation.
2. With high strength aluminum profiles and friction strip for stable frame.
3. The standard sensor plate is used to detect the pallet position with the photoelectric switch.
4. The support plate is 5 mm thickness aluminum plate.
5. The friction strip is replaceable.
6. With full range of dimension for different requests of pallet dimensions.

Supply mode

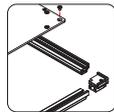
1. Supply in set(Equipped).
2. Supply in pcs



Exciter plate



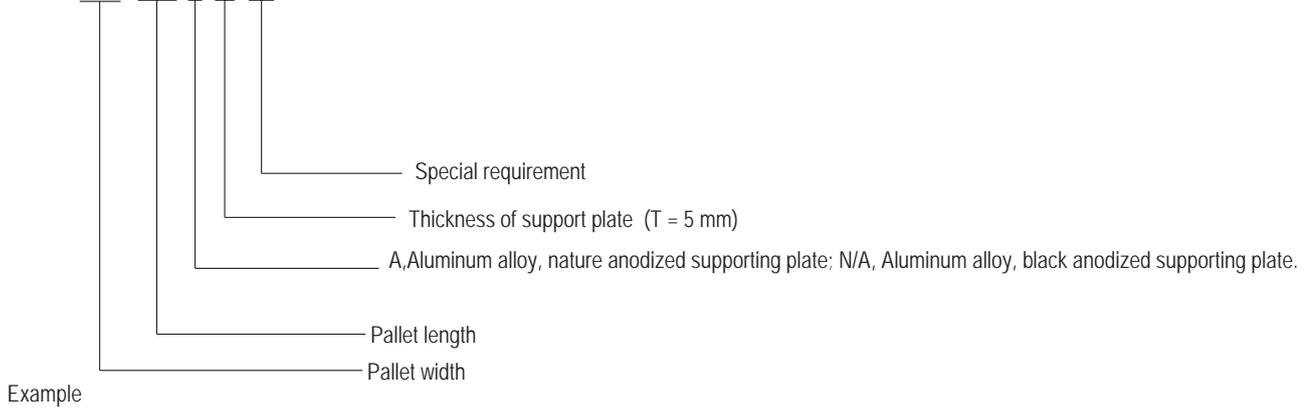
Friction strip



Frame corner part

Ordering Reference for non-standard pallet

WP2/R - B_{WT} - L_{WT} - A - T - SR



WP2/R-400-400-A-5-SR

WP2/R pallet - pallet width 400 mm - pallet length 400 mm - A, Aluminum alloy, nature anodized supporting plate.- Thickness of support plate 5 mm - SR(special requirement)

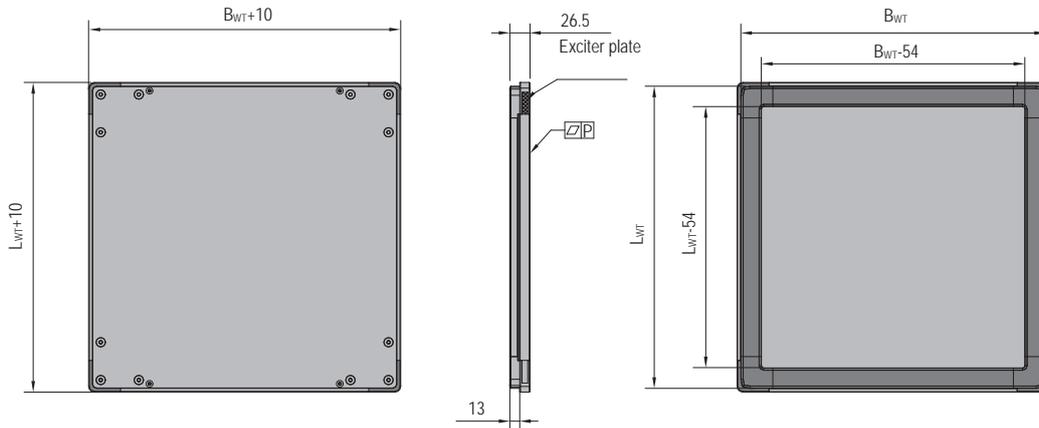
Note:

- ▶ Used with high speed roller conveyer.
- ▶ Please contact us for special requirement on the pallet size or support plate thickness.



WP2/R Pallet

Ordering reference for standard pallet

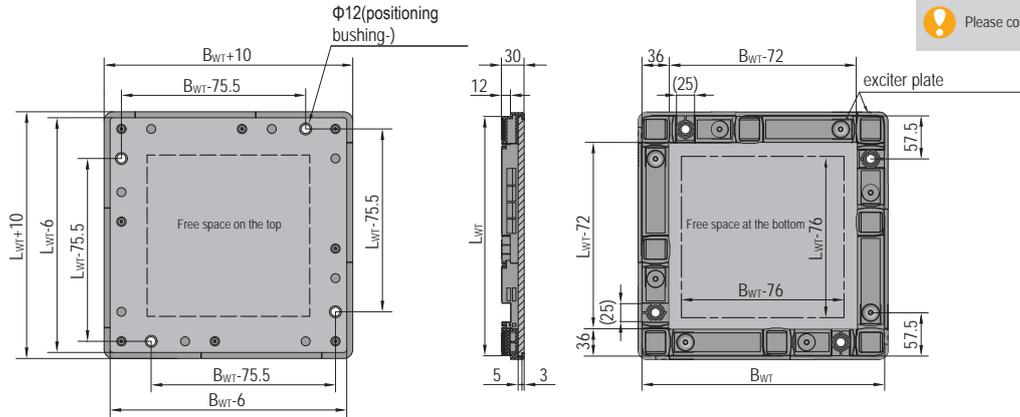


B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Weight (kg)	Part No.
240	320	5	0.4	Aluminum alloy	Black anodized	1.82	50705122
				Aluminum alloy	Nature anodized	1.82	50705123
	400	5	0.4	Aluminum alloy	Black anodized	2.19	50705124
				Aluminum alloy	Nature anodized	2.19	50705125
320	320	5	0.4	Aluminum alloy	Black anodized	2.28	50705126
				Aluminum alloy	Nature anodized	2.28	50705127
	400	5	0.4	Aluminum alloy	Black anodized	2.74	50705128
				Aluminum alloy	Nature anodized	2.74	50705129
	480	5	0.4	Aluminum alloy	Black anodized	3.20	50705130
				Aluminum alloy	Nature anodized	3.20	50705131
400	400	5	0.4	Aluminum alloy	Black anodized	3.28	50705132
				Aluminum alloy	Nature anodized	3.28	50705133
	480	5	0.5	Aluminum alloy	Black anodized	3.82	50705134
				Aluminum alloy	Nature anodized	3.82	50705135
480	480	5	0.5	Aluminum alloy	Black anodized	4.45	50705136
				Aluminum alloy	Nature anodized	4.45	50705137
	640	5	0.5	Aluminum alloy	Black anodized	5.71	50705138
				Aluminum alloy	Nature anodized	5.71	50705139
640	640	5	0.5	Aluminum alloy	Black anodized	7.30	50705140
				Aluminum alloy	Nature anodized	7.30	50705141

 Standard pallet use black anodized aluminum frame.

WP2/S Pallet

 Delivery 10-15 Workday
 Please contact us for non-standard products



► Use together with pallet conveyor with toothed belt, base belt and accumulation roller chain etc.

Features/Benefits

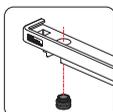
1. Plastic (PA) frame module, with aluminum or steel support plate.
2. With positioning bushings for a positioning accuracy of ± 0.1 mm.
3. The standard exciter plate is to match with the proximity switch to detect the position of the pallet.
4. The support plate is 5 mm, 8 mm, 12 mm thickness aluminum plate or 5 mm steel plate.
5. PA frame is ESD type. ◦
6. Pallets with different dimensions can be assembled as requested.

Supply mode

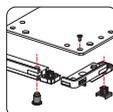
1. Supply in set (Equipped).
2. Supply in pcs (Please contact for more information).



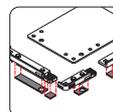
Frame module



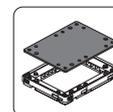
Positioning bushing



Connector



Friction strip



Support plate

3. Accessories

Press-fit mandrel (To be ordered separately when the customer assembles the pallet)



WP2/S Pallet

Ordering reference for supply in set

B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.			
160	160	5	0.3	Aluminum alloy	Black anodized	0.89	50702512			
				Aluminum alloy	Nature anodized	0.89	50702514			
				Carbon steel	Black electrophoresis	1.52	50702513			
	240	240	5	0.3	Aluminum alloy	Black anodized	1.14	50702515		
					Aluminum alloy	Nature anodized	1.14	50702517		
					Carbon steel	Black electrophoresis	2.10	50702516		
		320	5	0.3	Aluminum alloy	Black anodized	1.51	50702563		
					Aluminum alloy	Nature anodized	1.51	50702565		
					Carbon steel	Black electrophoresis	2.80	50702564		
240	240	5	0.3	Aluminum alloy	Black anodized	1.48	50702521			
				Aluminum alloy	Nature anodized	1.48	50702523			
				Carbon steel	Black electrophoresis	2.94	50702522			
	320	5	0.5	Aluminum alloy	Black anodized	1.94	50702566			
				Aluminum alloy	Nature anodized	1.94	50702568			
				Carbon steel	Black electrophoresis	3.89	50702567			
	400	5	0.6	Aluminum alloy	Black anodized	2.28	50702527			
				Aluminum alloy	Nature anodized	2.28	50702529			
				Carbon steel	Black electrophoresis	4.73	50702528			
		480	5	8	0.6	Aluminum alloy	Nature anodized	3.03	50702530	
				5	0.6	Aluminum alloy	Black anodized	2.74	50702569	
						Aluminum alloy	Nature anodized	2.74	50702571	
	320	320	5	0.5	Aluminum alloy	Black anodized	2.48	50702573		
					Aluminum alloy	Nature anodized	2.48	50702575		
					Carbon steel	Black electrophoresis	5.09	50702574		
400		5	0.6	8	0.5	Aluminum alloy	Nature anodized	3.29	50702576	
				8	0.6	Aluminum alloy	Black anodized	2.91	50702577	
						Aluminum alloy	Nature anodized	2.91	50702579	
		Carbon steel	Black electrophoresis			6.18	50702578			
		480	5	0.6	8	0.6	Aluminum alloy	Nature anodized	3.92	50702580
					0.6	Aluminum alloy	Black anodized	3.45	50702581	
Aluminum alloy						Nature anodized	3.45	50702583		
0.6			Carbon steel	Black electrophoresis	7.38	50702582				
			12	0.6	Aluminum alloy	Nature anodized	4.61	50702584		
					Aluminum alloy	Nature anodized	6.27	50702585		
560		5	0.8	8	0.8	Aluminum alloy	Black anodized	3.87	50702320	
				8	0.8	Aluminum alloy	Nature anodized	3.87	50702322	
	Carbon steel					Black electrophoresis	8.47	50702321		
	12	0.8	Aluminum alloy	Nature anodized	5.24	50702323				
			Aluminum alloy	Nature anodized	7.18	50702324				
			Aluminum alloy	Black anodized	4.29	50702596				
640	5	0.8	Aluminum alloy	Nature anodized	4.29	50702598				
			Carbon steel	Black electrophoresis	9.51	50702597				
			8	0.8	Aluminum alloy	Nature anodized	5.87	50702599		
	12	0.8	Aluminum alloy	Nature anodized	8.05	50702604				
			Aluminum alloy	Black anodized	3.42	50702548				
			Aluminum alloy	Nature anodized	3.42	50702550				
400	400	5	0.6	Carbon steel	Black electrophoresis	7.52	50702549			
				Aluminum alloy	Nature anodized	4.66	50702551			
		8	0.6	Aluminum alloy	Nature anodized	4.66	50702551			
				Aluminum alloy	Nature anodized	6.33	50702552			

 No machining drawing is to be provided.


WP2/S Pallet

Ordering reference for supply in set

B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.		
400	480	5	0.6	Aluminum alloy	Black anodized	4.05	50702586		
				Aluminum alloy	Nature anodized	4.05	50702588		
		8	0.6	Carbon steel	Black electrophoresis	8.97	50702587		
				Aluminum alloy	Nature anodized	5.59	50702589		
	12	0.6	Aluminum alloy	Nature anodized	7.55	50702590			
			560	5	0.8	Aluminum alloy	Black anodized	4.47	50702325
	Aluminum alloy	Nature anodized				4.47	50702327		
	Carbon steel	Black electrophoresis				10.06	50702326		
	8	0.8	Aluminum alloy	Nature anodized	6.22	50702328			
			Aluminum alloy	Nature anodized	8.46	50702329			
			12	0.8	Aluminum alloy	Nature anodized	8.46	50702329	
	640	5	0.8	Aluminum alloy	Black anodized	5.29	50702605		
				Aluminum alloy	Nature anodized	5.29	50702607		
				Carbon steel	Black electrophoresis	11.82	50702606		
				Aluminum alloy	Nature anodized	7.27	50702608		
	8	0.8	Aluminum alloy	Nature anodized	10.01	50702609			
			720	5	1.0	Aluminum alloy	Black anodized	5.4	50702345
						Aluminum alloy	Nature anodized	5.4	50702346
						Carbon steel	Black electrophoresis	12.32	50702347
	8	1.0	Aluminum alloy	Nature anodized	7.57	50702348			
			Aluminum alloy	Nature anodized	10.37	50702349			
			12	1.0	Aluminum alloy	Nature anodized	10.37	50702349	
	800	5	1.2	Aluminum alloy	Black anodized	6.22	50702350		
				Aluminum alloy	Nature anodized	6.22	50702351		
Carbon steel				Black electrophoresis	14.08	50702352			
Aluminum alloy				Nature anodized	8.62	50702353			
8	1.2	Aluminum alloy	Nature anodized	8.62	50702353				
		Aluminum alloy	Nature anodized	11.92	50702354				
		480	5	0.8	Aluminum alloy	Black anodized	4.76	50702591	
					Aluminum alloy	Nature anodized	4.76	50702593	
Carbon steel	Black electrophoresis				10.67	50702592			
Aluminum alloy	Nature anodized				6.59	50702594			
8	0.8	Aluminum alloy	Nature anodized	9.01	50702595				
		560	5	0.8	Aluminum alloy	Black anodized	5.18	50702330	
					Aluminum alloy	Nature anodized	5.18	50702332	
					Carbon steel	Black electrophoresis	11.76	50702331	
8	0.8	Aluminum alloy	Nature anodized	7.22	50702333				
		Aluminum alloy	Nature anodized	9.92	50702334				
		12	0.8	Aluminum alloy	Nature anodized	9.92	50702334		
640	5	1.0	Aluminum alloy	Black anodized	6.07	50702610			
			Aluminum alloy	Nature anodized	6.07	50702612			
			Carbon steel	Black electrophoresis	13.89	50702611			
			Aluminum alloy	Nature anodized	8.44	50702613			
8	1.0	Aluminum alloy	Nature anodized	11.72	50702614				
		720	5	1.0	Aluminum alloy	Black anodized	6.11	50702355	
					Aluminum alloy	Nature anodized	6.11	50702356	
					Carbon steel	Black electrophoresis	14.02	50702357	
8	1.0	Aluminum alloy	Nature anodized	8.57	50702358				
		Aluminum alloy	Nature anodized	11.83	50702359				
		12	1.0	Aluminum alloy	Nature anodized	11.83	50702359		
800	5	1.2	Aluminum alloy	Black anodized	7.00	50702360			
			Aluminum alloy	Nature anodized	7.00	50702361			
			Carbon steel	Black electrophoresis	16.15	50702362			
			Aluminum alloy	Nature anodized	9.79	50702363			
8	1.2	Aluminum alloy	Nature anodized	9.79	50702363				
		12	1.2	Aluminum alloy	Nature anodized/	13.63	50702364		

 No machining drawing is to be provided.


WP2/S Pallet

Ordering reference for supply in set

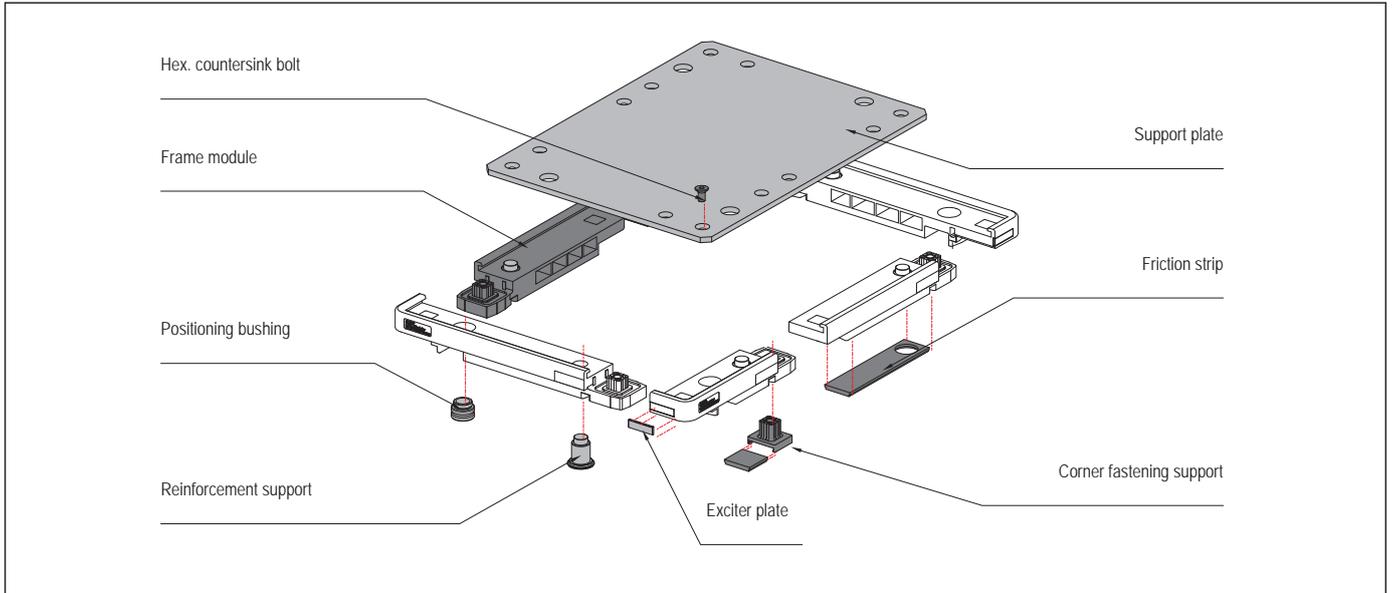
B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.	
560	560	5	1.0	Aluminum alloy	Black anodized	5.92	50702335	
				Aluminum alloy	Nature anodized	5.92	50702337	
		8	1.0	Carbon steel	Black electrophoresis	13.84	50702336	
				Aluminum alloy	Nature anodized	8.4	50702338	
	640	5	1.0	Aluminum alloy	Nature anodized	11.62	50702339	
				Aluminum alloy	Black anodized	6.62	50702340	
		8	1.0	Aluminum alloy	Nature anodized	6.62	50702342	
				Carbon steel	Black electrophoresis	15.71	50702341	
	720	5	1.0	Aluminum alloy	Nature anodized	9.46	50702343	
				Aluminum alloy	Nature anodized	13.17	50702344	
		8	1.0	Aluminum alloy	Black anodized	7.37	50702365	
				Aluminum alloy	Nature anodized	7.37	50702366	
	800	5	1.2	Carbon steel	Black electrophoresis	17.62	50702367	
				Aluminum alloy	Nature anodized	10.58	50702368	
		8	1.2	Aluminum alloy	Nature anodized	14.78	50702369	
				Aluminum alloy	Black anodized	8.07	50702370	
	640	640	5	1.0	Aluminum alloy	Nature anodized	8.07	50702371
					Carbon steel	Black electrophoresis	19.49	50702372
			8	1.2	Aluminum alloy	Nature anodized	11.64	50702373
					Aluminum alloy	Nature anodized	16.33	50702374
720		5	1.0	Aluminum alloy	Black anodized	7.75	50702615	
				Aluminum alloy	Nature anodized	7.75	50702617	
		8	1.0	Carbon steel	Black electrophoresis	18.21	50702616	
				Aluminum alloy	Nature anodized	10.94	50702618	
800		5	1.2	Aluminum alloy	Nature anodized	15.32	50702619	
				Aluminum alloy	Black anodized	8.24	50702375	
		8	1.0	Aluminum alloy	Nature anodized	8.24	50702376	
				Carbon steel	Black electrophoresis	20	50702377	
720		5	1.0	Aluminum alloy	Nature anodized	11.92	50702378	
				Aluminum alloy	Nature anodized	16.74	50702379	
		8	1.0	Aluminum alloy	Black anodized	9.37	50702380	
				Aluminum alloy	Nature anodized	9.37	50702381	
800		5	1.2	Carbon steel	Black electrophoresis	22.5	50702382	
				Aluminum alloy	Nature anodized	13.4	50702383	
		8	1.2	Aluminum alloy	Nature anodized	18.89	50702384	
				Aluminum alloy	Black anodized	9.17	50702385	
720	720	5	1.2	Aluminum alloy	Nature anodized	9.17	50702386	
				Carbon steel	Black electrophoresis	22.41	50702387	
		8	1.2	Aluminum alloy	Nature anodized	13.31	50702388	
				Aluminum alloy	Nature anodized	18.76	50702389	
	800	5	1.2	Aluminum alloy	Black anodized	9.87	50702390	
				Aluminum alloy	Nature anodized	9.87	50702391	
		8	1.2	Carbon steel	Black electrophoresis	24.28	50702392	
				Aluminum alloy	Nature anodized	14.37	50702393	
	800	5	1.2	Aluminum alloy	Nature anodized	20.31	50702394	
				Aluminum alloy	Black anodized	11.34	50702395	
		8	1.2	Aluminum alloy	Nature anodized	11.34	50702396	
				Carbon steel	Black electrophoresis	27.8	50702397	
800	8	1.2	Aluminum alloy	Nature anodized	16.41	50702398		
			Aluminum alloy	Nature anodized	23.29	50702399		

 No machining drawing is to be provided.

WP2/S Pallet

WP2/S Pallet components

Except for frame module, we also supply support plates and other components according to actual situations.



Exciter plate

- ▶ Used with corner part 160, 240 or 320
- ▶ The sensor detects the location of the pallet through Exciter plate

Frame module

- ▶ Including corner part 160, 240, 320 and linear part 160
- ▶ To form different sizes of pallet with other parts

Friction strip

- ▶ Used with corner part 160, 240 or 320 , linear part 160 or corner fastening support

Reinforcement support

- ▶ For pallet detect, to absorb the stop force from the stop

Hex. countersink bolt

- ▶ To fix the support plate and frame modules

Positioning bushing

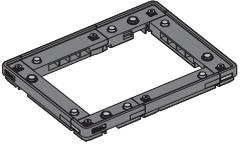
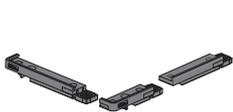
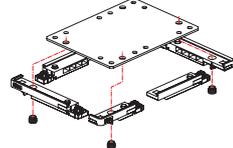
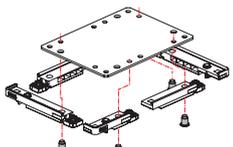
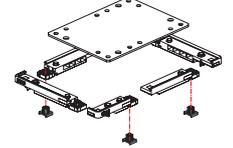
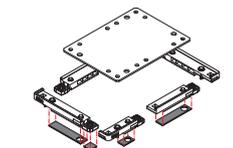
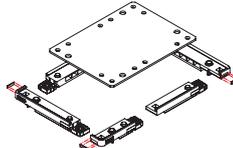
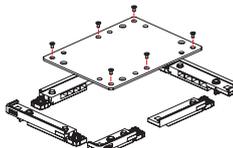
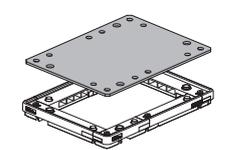
- ▶ To have the positioning unit locate the pallet in exact position

Support plate

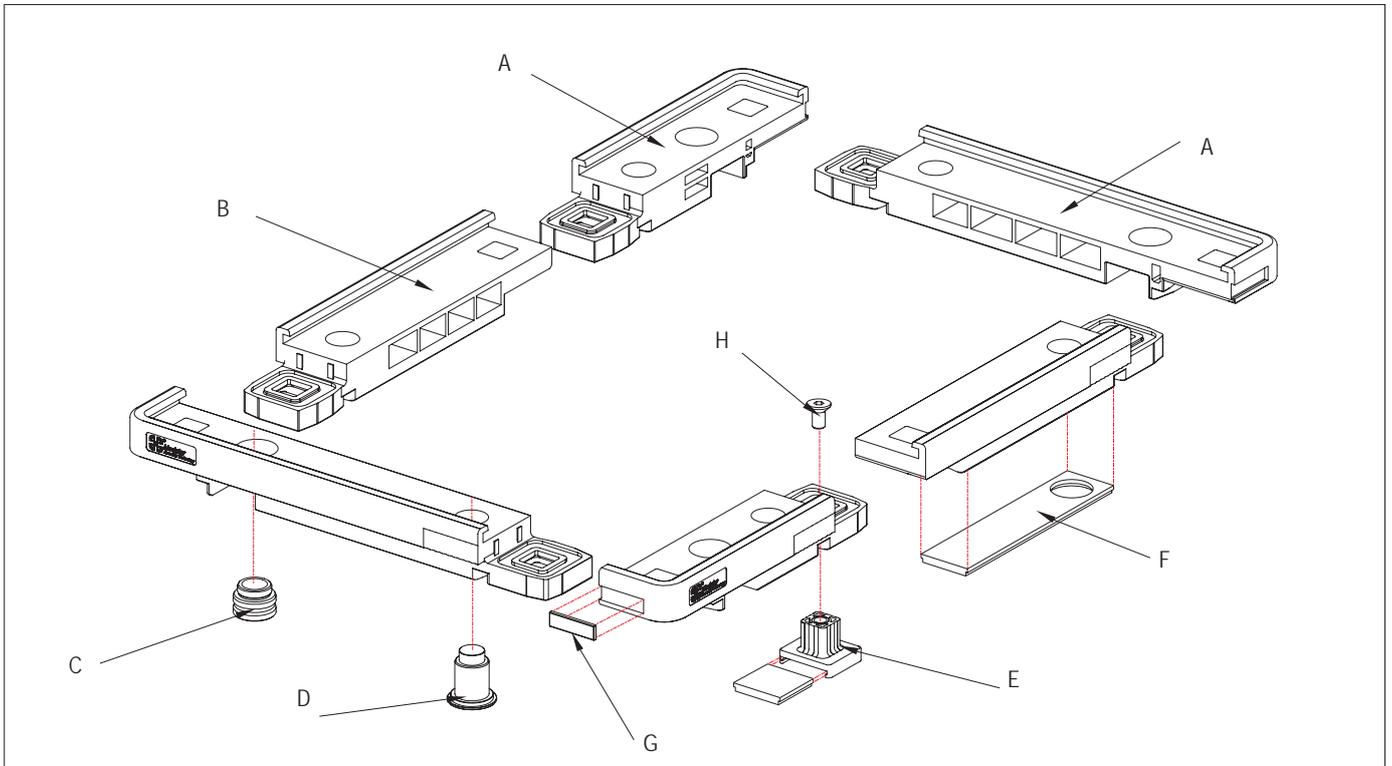
- ▶ To connect the frame module parts together
- ▶ Easy installation of custom made workpiece on the pallet

Corner fastening support

- ▶ To connect the frame module parts

	Pallet frame	Page 19
		Frame module Page 22
		Positioning bushing Page 23
		Reinforcement support Page 24
		Corner fastening support Page 24
		Friction strip Page 25
		Exciter plate Page 26
		Hex. countersink bolt Page 26
	Support plate	Page 27

WP2/S Pallet Frame



- ! Positioning bushing T5, Reinforcement support T5, M6x12 bolt for 5 mm thickness support plate.
- Positioning bushing T8, Reinforcement support T8, M6x16 bolt for 8 mm thickness support plate.
- Positioning bushing T12, Reinforcement support T12, M6x20 bolt for 12 mm thickness support plate.

No.	Description	Part No.
A	Corner part 160	50702105
	Corner part 240	50702201
	Corner part 320	50702203
B	Linear part 160	50702301
C	Positioning bushing (T5)	50702101
	Positioning bushing (T8)	50702108
	Positioning bushing (T12)	50702110
D	Reinforcement support (T5)	50702103
	Reinforcement support (T8)	50702109
	Reinforcement support(T12)	50702111
E	Corner fastening support	50702102
F	Friction strip for corner part 160	50702106
	Friction strip for corner part 240	50702202
	Friction strip for corner part 320	50702204
	Friction strip for linear part 160	50702302
G	Exciter plate	50703107
H	Hex. countersink bolt (T5)	M6x12
	Hex. countersink bolt(T8)	M6x16
	Hex. countersink bolt T12	M6x20

WP2/S Pallet Frame

Ordering reference

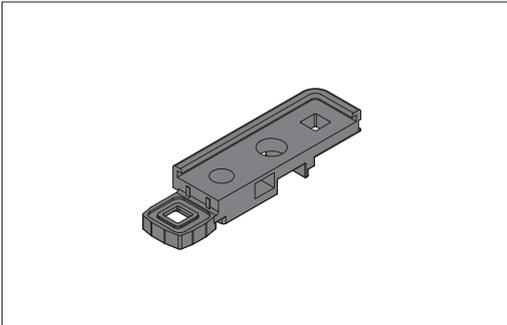
B _{WT} (mm)	L _{WT} (mm)	T (mm)	A			B			C			D			E					F					G		M6x12 (T5)	M6x16 (T8)	M6x20 (T12)	Weight (kg)	Part No.
			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
160	160	5	4			4			4			4	4			4	4			4	4			4			0.72	50702411			
	240	5	2	2		4			4			4	2	2		4	4			4	4			4			0.78	50702412			
	320	5	2		2	4			4			4	2		2	4	4			4	4			4			0.86	50702451			
240	240	5	4			4			4			4			4	4			4	4			4			0.84	50702414				
	320	5	2	2		4			4			4	2	2		4	4			4	4			4			0.92	50702452			
	400	5	4		2	4			6			6	4		2	6	4			6			6			6		1.16	50702416		
		8	4		2	4			4			6	4		2	6	4			6			6			6		1.16	50702424		
	480	5	2	2	2	4			6			6	2	2	2	6	4			6			6			6		1.24	50702453		
		8	2	2	2	4			4			6	2	2	2	6	4			6			6			6		1.24	50702459		
320	320	5		4		4			4			4			4	4			4	4			4			4		1.00	50702454		
		8		4		4			4			4			4	4			4	4			4		4		1.00	50702460			
	400	5	2	2	2	4			6			6	2	2	2	6	4			6			6			6		1.24	50702455		
		8	2	2	2	4			4			6	2	2	2	6	4			6			6			6		1.24	50702461		
	480	5		4	2	4			6			6			4	2	6	4			6			6			6		1.32	50702456	
		8		4	2	4			4			6			4	2	6	4			6			6			6		1.32	50702462	
	560	5	2	2	4	4			8			8	2	2	4	8	4			8			8			8		1.50	50702305		
		8	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.52	50702306		
	640	5	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.57	50702307		
		8	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.56	50702468		
		12	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.56	50702469		
		5	4	4	4	4			8			8	4	4	8	4	4			8			8			8		1.64	50702470		
8		4	4	4	4			4			8	4	4	8	4	4			8			8			8		1.64	50702471			
12		4	4	4	4			4			8	4	4	8	4	4			8			8			8		1.64	50702470			
400	400	5	4	4	4	4			8			8	4	4	8	4			8			8			8		1.48	50702421			
		8	4	4	4	4			4			8	4	4	8	4			8			8			8		1.48	50702429			
		12	4	4	4	4			4			8	4	4	8	4			8			8			8		1.56	50702433			
	480	5	2	2	4	4			8			8	2	2	4	8	4			8			8			8		1.56	50702457		
		8	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.56	50702463		
		12	2	2	4	4			4			8	2	2	4	8	4			8			8			8		1.64	50702466		
	560	5	4		6	4			10			10	4		6	10	4			10			10			10		1.74	50702308		
		8	4		6	4			4			10	4		6	10	4			10			10			10		1.76	50702309		
		12	4		6	4			4			10	4		6	10	4			10			10			10		1.81	50702310		
		5	2	2	6	4			10			10	2	2	6	10	4			10			10			10		1.88	50702471		
		8	2	2	6	4			4			10	2	2	6	10	4			10			10			10		1.88	50702472		
		12	2	2	6	4			4			10	2	2	6	10	4			10			10			10		1.98	50702473		
720	5	4		8	4			12			12	4		8	12	4			12			12			12		2.00	50702436			
	8	4		8	4			4			12	4		8	12	4			12			12			12		2.02	50702437			
	12	4		8	4			4			12	4		8	12	4			12			12			12		2.07	50702438			
800	5	2	2	8	4			12			12	2	2	8	12	4			12			12			12		2.14	50702439			
	8	2	2	8	4			4			12	2	2	8	12	4			12			12			12		2.16	50702440			
	12	2	2	8	4			4			12	2	2	8	12	4			12			12			12		2.21	50702441			
480	480	5		4	4	4			8			8	4	4	8	4			8			8			8		1.64	50702458			
		8		4	4	4			4			8	4	4	8	4			8			8			8		1.64	50702464			
		12		4	4	4			4			8	4	4	8	4			8			8			8		1.72	50702467			

! T is thickness of support plate. T=5 is for 5mm carbon steel plate or aluminum plate, T=8 is for 8mm aluminum plate, T=12 is for 12mm aluminum plate.



Frame Module

Corner part 160

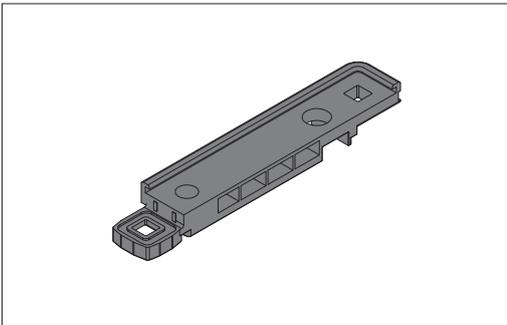


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 160	1	0.07	50702105

Corner part 240

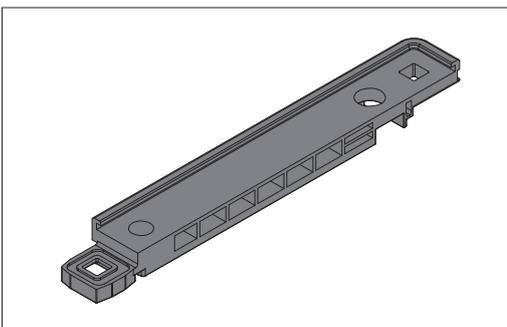


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 240	1	0.10	50702201

Corner part 320

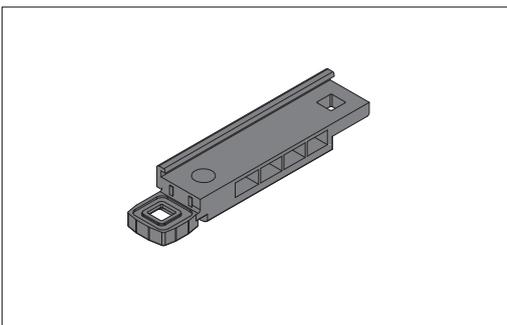


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 320	1	0.14	50702203

Linear part 160



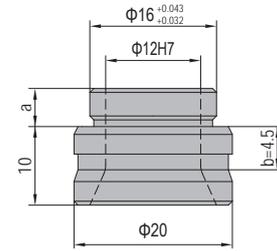
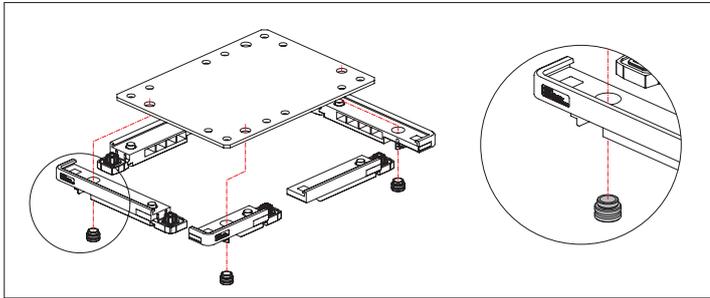
- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Linear part160	1	0.08	50702301

Positioning Bushing

Dimension



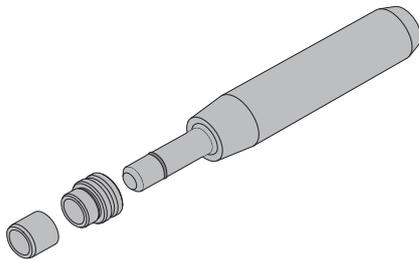
- ▶ Material: Steel, hardened
 - ▶ Combined with frame modules of WP2/S pallet
 - ▶ Accurate positioning
 - ▶ Fix frame module and support plate
- ▶ Accessories
 - Press-fit mandrel
(To be ordered separately)

- ! 1. The dimension $\Phi 12H7$ refers to the state before press-fitting. After press-fitting with the mandrel, the dimension $\Phi 12H7$ is guaranteed to be in the "b" range.
2. Suggested bushing hole dia: 5 mm Carbon steel plate $\Phi 16^{+0.012}_{-0.01}$
 5 / 8 / 12 mm Aluminum alloy plate $\Phi 16^{+0.02}_{-0.04}$

Ordering reference

Product name	Dimension for a (mm)	Upper dimension for a (mm)	Lower dimension for a (mm)	Thickness of support plate T (mm)	Delivery unit	Weight (kg)	Part No.
Positioning bushing(T5)	4.8	0	-0.15	5	1	0.016	50702101
Positioning bushing(T8)	7.8	0	-0.15	8	1	0.018	50702108
Positioning bushing(T12)	11.8	0	-0.15	12	1	0.021	50702110

Press-fit Mandrel



- ▶ Material: steel, hardened
- ▶ Can be combined with positioning bushing of the WP2/S pallet

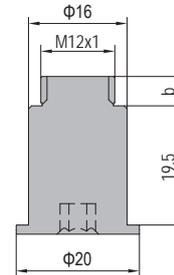
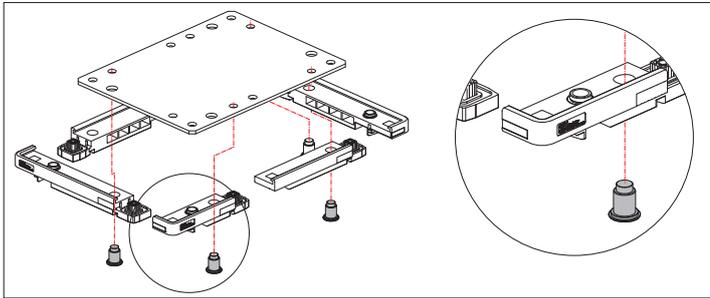
- ▶ The press-fit mandrel is used when mounting the pallet for pressing the positioning bushings into the support plate.

Ordering reference

Product name	Delivery unit	Part No.
Press-fit mandrel	1	50702600

Reinforcement Support

Dimension



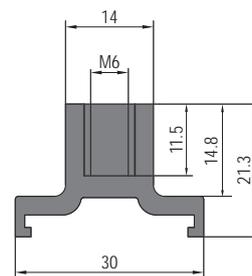
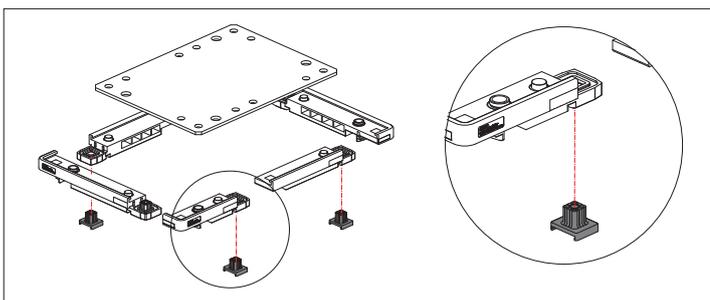
- ▶ Material: steel, zinc plate
- ▶ Combined with frame modules of WP2/S pallet
- ▶ For pallet detection
- ▶ For absorbing the stop forces on the stop

Ordering reference

Product name	Dimension for b (mm)	Upper dimension for b (mm)	Lower dimension for b (mm)	Thickness for support plate T (mm)	Allowable max. torque (N.M)	Delivery unit	Weight (kg)	Part No.
Reinforcement support T5	4.8	0	-0.15	5	14	1	0.04	50702103
Reinforcement support T8	7.8	0	-0.15	8	14	1	0.041	50702109
Reinforcement support T12	11.8	0	-0.15	12	14	1	0.045	50702111

Corner Fastening Support

Dimension

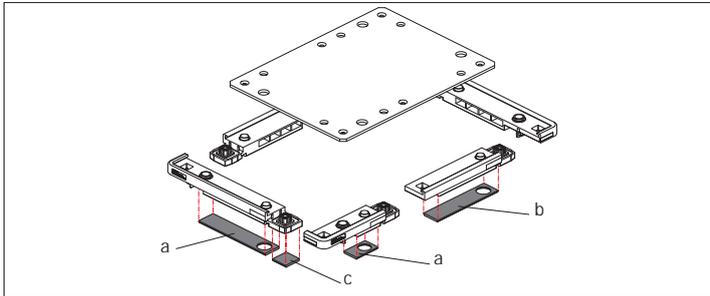


- ▶ Material: PA
- ▶ Combined with frame modules of WP2/S pallet
- ▶ Connection between frame modules

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner fastening support	1	0.005	50702102

Friction Strip



a: Friction strip for corner part 160, 240, 320

b: Friction strip for linear part 160

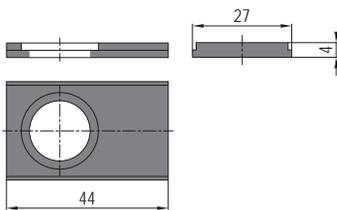
c: Friction strip for corner fastening support

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Friction strip for corner part 160	1	0.003	50702106
Friction strip for corner part 240	1	0.011	50702202
Friction strip for corner part 320	1	0.019	50702204
Friction strip for linear part 160	1	0.010	50702302
Friction strip for corner fastening support	1	0.003	50702107

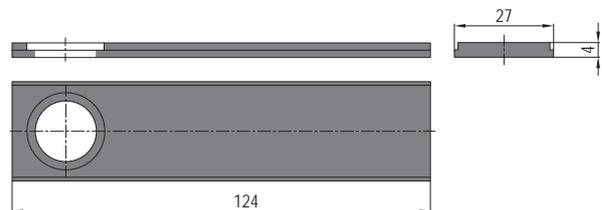
Friction strip for corner part 160

▶ Material: PE, black ▶ Combined with corner part 160 for WP2/S pallet



Friction strip for corner part 240

▶ Material: PE, black ▶ Combined with corner part 240 for WP2/S pallet



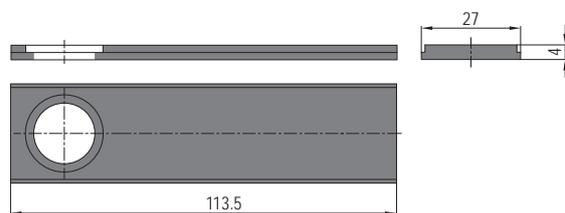
Friction strip for corner part 320

▶ Material: PE, black ▶ Combined with corner part 320 for WP2/S pallet



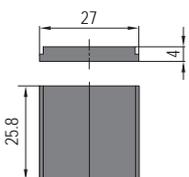
Friction strip for linear part 160

▶ Material: PE, black ▶ Combined with linear part 160 for WP2/S pallet



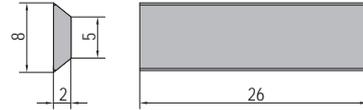
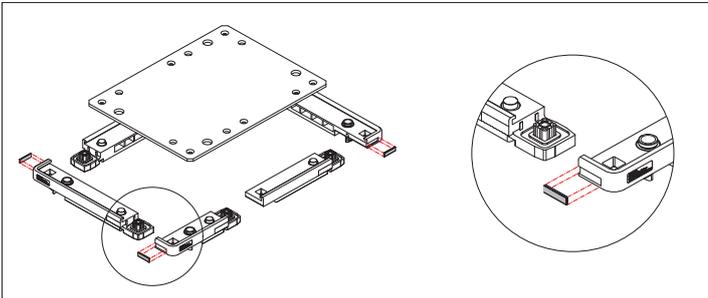
Friction strip for corner fastening support

▶ Material: PE, black ▶ Combined with corner fastening support



Exciter Plate

Dimension



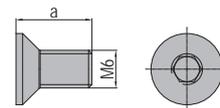
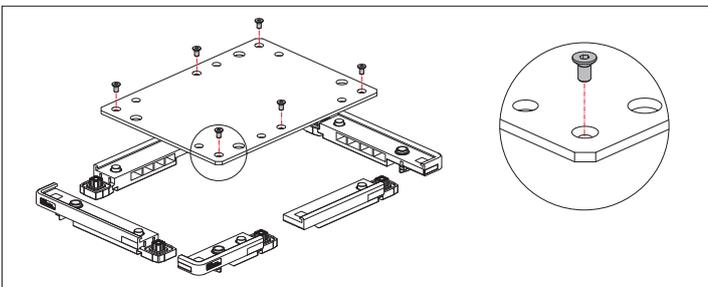
- ▶ Material: steel, zinc plate
- ▶ Combined with corner part 160, 240, 320 for WP2/S pallet
- ▶ The sensor detects the location of the pallet through exciter plate

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Exciter plate	1	0.003	50703107

Hex. Countersink Bolt

Dimension



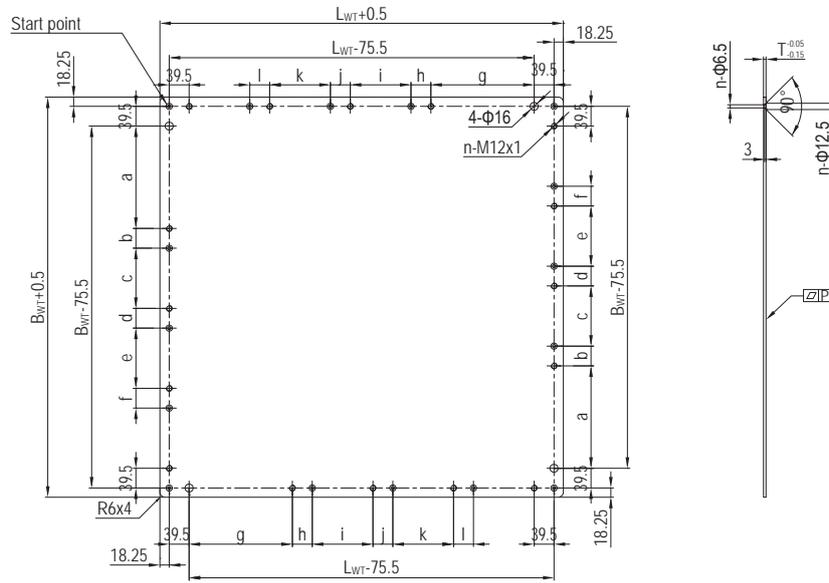
- ▶ GB/T70.3-2000
- ▶ Material: steel, zinc plated
- ▶ To fix the support plate and frame modules

Ordering reference

Product name	Dimension for a (mm)	Thickness of support plate T (mm)	Allowable max. torque (N.M)	Delivery unit	Weight (kg)
Hex. countersink bolt	12	5	9	1	0.004
Hex. countersink bolt	16	8	9	1	0.005
Hex. countersink bolt	20	12	9	1	0.006

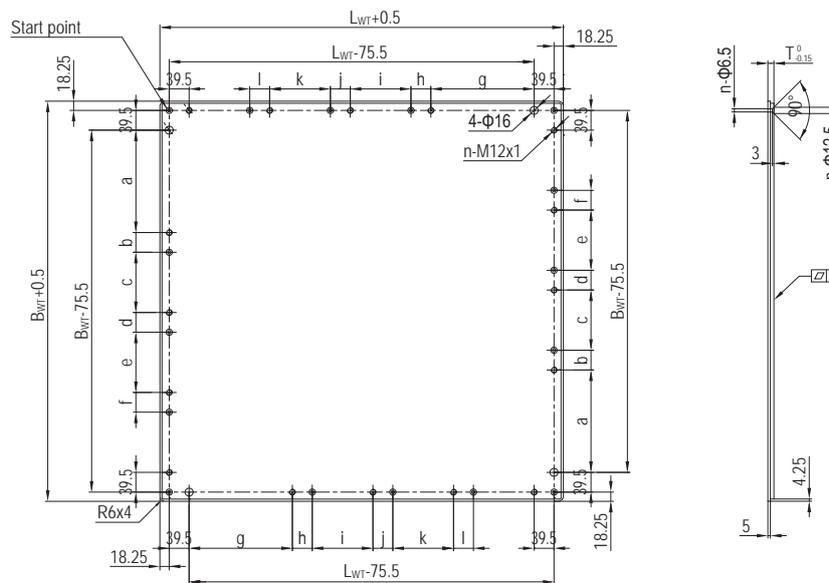
Support Plate

5mm steel or aluminum support plate



 No production drawings

8mm、12mm aluminum support plate



 No production drawings

Support Plate

Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate (mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	i	j	k	l	n	P	Weight (kg)	Ordering reference No.		
160	160	5	Aluminum alloy	Black anodized													4	0.3	0.33	50702112		
			Aluminum alloy	Nature anodized														4	0.3	0.33	50702114	
			Carbon steel	Black electrophoresis														4	0.3	0.95	50702113	
	240	240	5	Aluminum alloy	Black anodized													4	0.3	0.51	50702115	
				Aluminum alloy	Nature anodized													4	0.3	0.51	50702117	
				Carbon steel	Black electrophoresis													4	0.3	1.45	50702116	
		320	5	Aluminum alloy	Black anodized													4	0.3	0.67	50702801	
				Aluminum alloy	Nature anodized													4	0.3	0.67	50702803	
				Carbon steel	Black electrophoresis													4	0.3	1.94	50702802	
240	240	5	Aluminum alloy	Black anodized													4	0.3	0.76	50702121		
			Aluminum alloy	Nature anodized													4	0.3	0.76	50702123		
			Carbon steel	Black electrophoresis													4	0.3	2.21	50702122		
	320	5	Aluminum alloy	Black anodized													4	0.5	1.01	50702804		
			Aluminum alloy	Nature anodized													4	0.5	1.01	50702806		
			Carbon steel	Black electrophoresis													4	0.5	2.94	50702805		
		400	5	Aluminum alloy	Black anodized							125	39.5						6	0.6	1.27	50702127
				Aluminum alloy	Nature anodized							125	39.5						6	0.6	1.27	50702129
				Carbon steel	Black electrophoresis							125	39.5						6	0.6	3.69	50702128
	480	8	Aluminum alloy	Nature anodized							125	39.5						6	0.6	1.99	50702130	
			Aluminum alloy	Black anodized							205	39.5						6	0.6	1.52	50702807	
			Aluminum alloy	Nature anodized							205	39.5						6	0.6	1.52	50702809	
		5	Carbon steel	Black electrophoresis							205	39.5						6	0.6	4.43	50702808	
			Aluminum alloy	Nature anodized							205	39.5						6	0.6	2.39	50702810	
			Aluminum alloy	Black anodized							205	39.5						6	0.6	2.39	50702810	
	320	320	5	Aluminum alloy	Black anodized													4	0.5	1.35	50702811	
				Aluminum alloy	Nature anodized													4	0.5	1.35	50702813	
				Carbon steel	Black electrophoresis													4	0.5	3.93	50702812	
8			Aluminum alloy	Nature anodized													4	0.5	2.12	50702814		
			Aluminum alloy	Black anodized								125	39.5					6	0.6	1.71	50702815	
			Aluminum alloy	Nature anodized								125	39.5					6	0.6	1.71	50702817	
400		5	Carbon steel	Black electrophoresis							125	39.5					6	0.6	4.93	50702816		
			Aluminum alloy	Nature anodized							125	39.5					6	0.6	2.66	50702818		
			Aluminum alloy	Black anodized							125	39.5					6	0.6	2.66	50702818		
		8	Aluminum alloy	Nature anodized							125	39.5					6	0.6	2.66	50702818		
			Aluminum alloy	Black anodized							205	39.5					6	0.6	2.03	50702819		
			Aluminum alloy	Nature anodized							205	39.5					6	0.6	2.03	50702821		
480		5	Carbon steel	Black electrophoresis							205	39.5					6	0.6	5.92	50702820		
			Aluminum alloy	Nature anodized							205	39.5					6	0.6	3.21	50702822		
			Aluminum alloy	Black anodized							205	39.5					6	0.6	3.21	50702822		
		8	Aluminum alloy	Nature anodized							205	39.5					6	0.6	4.75	50702823		
			Aluminum alloy	Black anodized							125	39.5	120.5	39.5			8	0.8	2.38	50702163		
			Aluminum alloy	Nature anodized							125	39.5	120.5	39.5			8	0.8	2.38	50702165		
		560	5	Carbon steel	Black electrophoresis							125	39.5	120.5	39.5			8	0.8	6.93	50702164	
				Aluminum alloy	Nature anodized							125	39.5	120.5	39.5			8	0.8	3.76	50702166	
				Aluminum alloy	Black anodized							125	39.5	120.5	39.5			8	0.8	3.76	50702166	
			8	Aluminum alloy	Nature anodized							125	39.5	120.5	39.5			8	0.8	5.58	50702167	
				Aluminum alloy	Black anodized							205	39.5	120.5	39.5			8	0.8	2.73	50702834	
				Aluminum alloy	Nature anodized							205	39.5	120.5	39.5			8	0.8	2.73	50702836	
640		5	Carbon steel	Black electrophoresis							205	39.5	120.5	39.5			8	0.8	7.95	50702835		
			Aluminum alloy	Nature anodized							205	39.5	120.5	39.5			8	0.8	4.31	50702837		
			Aluminum alloy	Black anodized							205	39.5	120.5	39.5			8	0.8	4.31	50702837		
	8	Aluminum alloy	Nature anodized							205	39.5	120.5	39.5			8	0.8	6.41	50702838			
		Aluminum alloy	Black anodized							205	39.5	120.5	39.5			8	0.8	6.41	50702838			
		Aluminum alloy	Nature anodized							205	39.5	120.5	39.5			8	0.8	6.41	50702838			
400	400	5	Aluminum alloy	Black anodized	125	39.5					125	39.5					8	0.6	2.13	50702148		
			Aluminum alloy	Nature anodized	125	39.5						125	39.5					8	0.6	2.13	50702150	
			Carbon steel	Black electrophoresis	125	39.5						125	39.5					8	0.6	6.19	50702149	
		8	Aluminum alloy	Nature anodized	125	39.5						125	39.5					8	0.6	3.35	50702151	
			Aluminum alloy	Black anodized	125	39.5						125	39.5					8	0.6	3.35	50702151	
			Aluminum alloy	Nature anodized	125	39.5						125	39.5					8	0.6	9.48	50702152	
			Aluminum alloy	Black anodized	125	39.5						125	39.5					8	0.6	9.48	50702152	
			Aluminum alloy	Nature anodized	125	39.5						125	39.5					8	0.6	9.48	50702152	



Support Plate

Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate (mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	i	j	k	l	n	P	Weight (kg)	Ordering reference No.	
400	480	5	Aluminum alloy	Black anodized	125	39.5					205	39.5					8	0.6	2.56	50702824	
			Aluminum alloy	Nature anodized	125	39.5						205	39.5					8	0.6	2.56	50702826
			Carbon steel	Black electrophoresis	125	39.5						205	39.5					8	0.6	7.44	50702825
		8	Aluminum alloy	Nature anodized	125	39.5						205	39.5					8	0.6	4.03	50702827
	12	Aluminum alloy	Nature anodized	125	39.5						205	39.5					8	0.6	6.01	50702828	
	560	5	Aluminum alloy	Black anodized	125	39.5						125	39.5	120.5	39.5			10	0.8	2.99	50702168
			Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5			10	0.8	2.99	50702170
			Carbon steel	Black electrophoresis	125	39.5						125	39.5	120.5	39.5			10	0.8	8.70	50702169
		8	Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5			10	0.8	4.72	50702171
	12	Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5			10	0.8	7.05	50702172	
	640	5	Aluminum alloy	Black anodized	125	39.5						205	39.5	120.5	39.5			10	0.8	3.41	50702839
			Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5			10	0.8	3.41	50702841
			Carbon steel	Black electrophoresis	125	39.5						205	39.5	120.5	39.5			10	0.8	9.94	50702840
		8	Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5			10	0.8	5.39	50702842
	12	Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5			10	0.8	8.02	50702843	
	720	5	Aluminum alloy	Black anodized	125	39.5						125	39.5	120.5	39.5	125	39.5	12	1.0	3.84	50702188
			Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5	125	39.5	12	1.0	3.84	50702189
			Carbon steel	Black electrophoresis	125	39.5						125	39.5	120.5	39.5	125	39.5	12	1.0	11.20	50702190
		8	Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5	125	39.5	12	1.0	6.08	50702191
	12	Aluminum alloy	Nature anodized	125	39.5						125	39.5	120.5	39.5	125	39.5	12	1.0	9.06	50702192	
	800	5	Aluminum alloy	Black anodized	125	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	4.27	50702193
			Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	4.27	50702194
			Carbon steel	Black electrophoresis	125	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	12.46	50702195
		8	Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	6.77	50702196
12	Aluminum alloy	Nature anodized	125	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	10.10	50702197		
480	480	5	Aluminum alloy	Black anodized	205	39.5					205	39.5					8	0.8	3.06	50702829	
			Aluminum alloy	Nature anodized	205	39.5						205	39.5					8	0.8	3.06	50702831
			Carbon steel	Black electrophoresis	205	39.5						205	39.5					8	0.8	8.91	50702830
		8	Aluminum alloy	Nature anodized	205	39.5						205	39.5					8	0.8	4.83	50702832
	12	Aluminum alloy	Nature anodized	205	39.5						205	39.5					8	0.8	7.21	50702833	
	560	5	Aluminum alloy	Black anodized	205	39.5						125	39.5	120.5	39.5			10	0.8	3.58	50702173
			Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5			10	0.8	3.58	50702175
			Carbon steel	Black electrophoresis	205	39.5						125	39.5	120.5	39.5			10	0.8	10.43	50702174
		8	Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5			10	0.8	5.66	50702176
	12	Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5			10	0.8	8.45	50702177	
	640	5	Aluminum alloy	Black anodized	205	39.5						205	39.5	120.5	39.5			10	1.0	4.11	50702844
			Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5			10	1.0	4.11	50702846
			Carbon steel	Black electrophoresis	205	39.5						205	39.5	120.5	39.5			10	1.0	11.93	50702845
		8	Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5			10	1.0	6.48	50702847
	12	Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5			10	1.0	9.66	50702848	
	720	5	Aluminum alloy	Black anodized	205	39.5						125	39.5	120.5	39.5	120.5	39.5	12	1.0	4.63	50702198
			Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5	120.5	39.5	12	1.0	4.63	50702199
			Carbon steel	Black electrophoresis	205	39.5						125	39.5	120.5	39.5	120.5	39.5	12	1.0	13.45	50702200
		8	Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5	120.5	39.5	12	1.0	7.31	50702205
	12	Aluminum alloy	Nature anodized	205	39.5						125	39.5	120.5	39.5	120.5	39.5	12	1.0	10.90	50702206	
	800	5	Aluminum alloy	Black anodized	205	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	5.15	50702207
			Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	5.15	50702208
			Carbon steel	Black electrophoresis	205	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	14.97	50702209
		8	Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	8.14	50702210
12	Aluminum alloy	Nature anodized	205	39.5						205	39.5	120.5	39.5	120.5	39.5	12	1.2	12.14	50702211		



Support Plate

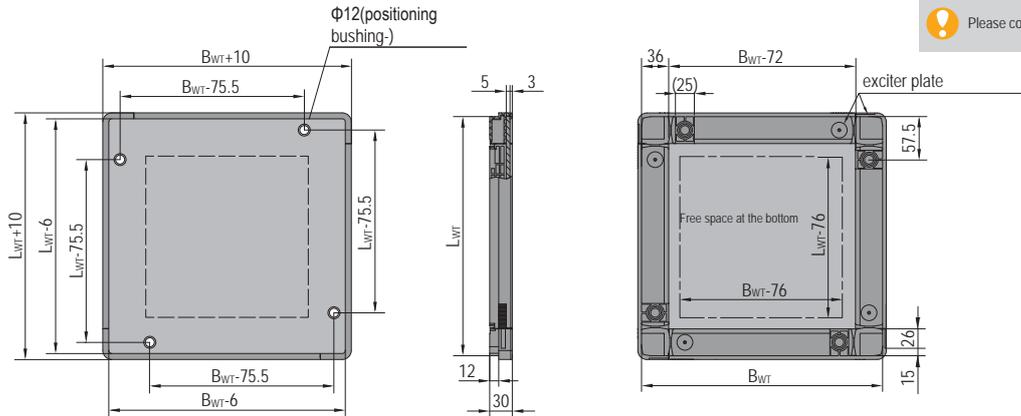
Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate (mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	i	j	k	l	n	P	Weight (kg)	Ordering reference No.	
560	560	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5			12	1.0	4.18	50702178	
			Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5			12	1.0	4.18	50702180	
			Carbon steel	Black electrophoresis	125	39.5	120.5	39.5			125	39.5	120.5	39.5			12	1.0	12.20	50702179	
		8	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5			12	1.0	6.63	50702181	
		12	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5			12	1.0	9.90	50702182	
	640	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	4.78	50702183	
			Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	4.78	50702185	
			Carbon steel	Black electrophoresis	125	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	13.97	50702184	
		8	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	7.60	50702186	
		12	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	11.35	50702187	
		720	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	12	1.0	5.38	50702212
	Aluminum alloy			Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	12	1.0	5.38	50702213	
	Carbon steel			Black electrophoresis	125	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	12	1.0	15.74	50702214	
	8		Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	12	1.0	8.57	50702215	
	12		Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	12	1.0	12.80	50702216	
	800	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5	125	39.5	14	1.2	5.98	50702217	
			Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5	125	39.5	14	1.2	5.98	50702218	
			Carbon steel	Black electrophoresis	125	39.5	120.5	39.5			205	39.5	120.5	39.5	125	39.5	14	1.2	17.51	50702219	
		8	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5	125	39.5	14	1.2	9.54	50702220	
		12	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5			205	39.5	120.5	39.5	125	39.5	14	1.2	14.25	50702221	
	640	640	5	Aluminum alloy	Black anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	5.47	50702849
				Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	5.47	50702851
				Carbon steel	Black electrophoresis	205	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	15.92	50702850
			8	Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	8.66	50702852
12			Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5			12	1.0	12.92	50702853	
720		5	Aluminum alloy	Black anodized	205	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	14	1.0	6.16	50702222	
			Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	14	1.0	6.16	50702223	
			Carbon steel	Black electrophoresis	205	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	14	1.0	17.94	50702224	
		8	Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	14	1.0	9.77	50702225	
		12	Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			125	39.5	120.5	39.5	120.5	39.5	14	1.0	14.58	50702226	
		800	5	Aluminum alloy	Black anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5	120.5	39.5	14	1.2	6.85	50702227
Aluminum alloy				Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5	120.5	39.5	14	1.2	6.85	50702228	
Carbon steel				Black electrophoresis	205	39.5	120.5	39.5			205	39.5	120.5	39.5	120.5	39.5	14	1.2	19.96	50702229	
8			Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5	120.5	39.5	14	1.2	10.88	50702230	
12			Aluminum alloy	Nature anodized	205	39.5	120.5	39.5			205	39.5	120.5	39.5	120.5	39.5	14	1.2	16.24	50702231	
720	720	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5	120.5	39.5	125	39.5	120.5	39.5	120.5	39.5	16	1.2	6.94	50702232	
			Aluminum alloy	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	125	39.5	120.5	39.5	120.5	39.5	16	1.2	6.94	50702233	
			Carbon steel	Black electrophoresis	125	39.5	120.5	39.5	120.5	39.5	125	39.5	120.5	39.5	120.5	39.5	16	1.2	20.22	50702234	
		8	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	125	39.5	120.5	39.5	120.5	39.5	16	1.2	11.01	50702235	
		12	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	125	39.5	120.5	39.5	120.5	39.5	16	1.2	16.45	50702236	
	800	5	Aluminum alloy	Black anodized	125	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	7.72	50702237	
			Aluminum alloy	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	7.72	50702238	
			Carbon steel	Black electrophoresis	125	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	22.50	50702239	
		8	Aluminum alloy	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	12.25	50702240	
		12	Aluminum allo	Nature anodized	125	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	18.32	50702241	
800	800	5	Aluminum alloy	Black anodized	205	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	8.58	50702242	
			Aluminum alloy	Nature anodized	205	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	8.58	50702243	
			Carbon steel	Black electrophoresis	205	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	25.03	50702244	
		8	Aluminum alloy	Nature anodized	205	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	13.63	50702245	
		12	Aluminum alloy	Nature anodized	205	39.5	120.5	39.5	120.5	39.5	205	39.5	120.5	39.5	120.5	39.5	16	1.2	20.39	50702246	



WP2/E Pallet

 Delivery 10-15 Workday
 Please contact us for non-standard products



► Use together with pallet conveyor with toothed belt, base belt and plastic flat chain etc.

Features/Benefits

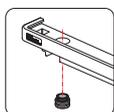
1. Plastic (PA) frame module, with aluminum or steel support plate.
2. With positioning bushings for a positioning accuracy of ± 0.1 mm.
3. The standard exciter plate is to match with the proximity switch to detect the position of the pallet.
4. The support plate is 5 mm, 8 mm, 12 mm thickness aluminum plate or 5mm steel plate.
5. PA frame is ESD type.
6. Pallets with different dimensions can be assembled as requested.

Supply mode

1. Supply in set (Equipped).
2. Supply in pcs (Not equipped).



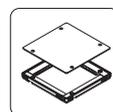
Frame module



Positioning bushing



Connector



Support plate

3. Accessories

Press-fit mandrel (To be ordered separately when the customer assembles the pallet)



WP2/E Pallet

Ordering reference for supply in set

B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.	
160	160	5	0.3	Aluminum alloy	Black anodized	0.77	50703201	
				Aluminum alloy	Nature anodized	0.77	50703202	
				Carbon steel	Black electrophoresis	1.41	50703203	
	240	5	0.3	Aluminum alloy	Black anodized	1.02	50703204	
				Aluminum alloy	Nature anodized	1.02	50703205	
				Carbon steel	Black electrophoresis	1.99	50703206	
		320	5	0.3	Aluminum alloy	Black anodized	1.27	50703207
					Aluminum alloy	Nature anodized	1.27	50703208
					Carbon steel	Black electrophoresis	2.58	50703209
240	240	5	0.3	Aluminum alloy	Black anodized	1.36	50703210	
				Aluminum alloy	Nature anodized	1.36	50703211	
				Carbon steel	Black electrophoresis	2.83	50703212	
	320	5	0.5	Aluminum alloy	Black anodized	1.70	50703213	
				Aluminum alloy	Nature anodized	1.70	50703214	
				Carbon steel	Black electrophoresis	3.66	50703215	
	400	5	0.6	Aluminum alloy	Black anodized	2.03	50703216	
				Aluminum alloy	Nature anodized	2.03	50703217	
				Carbon steel	Black electrophoresis	4.49	50703218	
		480	5	0.6	Aluminum alloy	Nature anodized	2.77	50703219
					Aluminum alloy	Black anodized	2.49	50703220
					Aluminum alloy	Nature anodized	2.49	50703221
	320	320	5	0.5	Aluminum alloy	Black anodized	2.13	50703224
					Aluminum alloy	Nature anodized	2.13	50703225
					Carbon steel	Black electrophoresis	4.76	50703226
400		5	0.6	Aluminum alloy	Nature anodized	2.91	50703227	
				Aluminum alloy	Black anodized	2.55	50703228	
				Aluminum alloy	Nature anodized	2.55	50703229	
		480	5	0.6	Carbon steel	Black electrophoresis	5.83	50703230
					Aluminum alloy	Nature anodized	3.55	50703231
					Aluminum alloy	Black anodized	3.10	50703232
560		5	0.6	Aluminum alloy	Nature anodized	3.10	50703233	
				Aluminum alloy	Black anodized	3.10	50703233	
				Carbon steel	Black electrophoresis	7.04	50703234	
		640	5	0.8	Aluminum alloy	Nature anodized	4.30	50703235
					Aluminum alloy	Nature anodized	5.91	50703236
					Aluminum alloy	Black anodized	3.53	50703272
	8		0.8	Aluminum alloy	Nature anodized	3.53	50703273	
				Aluminum alloy	Black anodized	8.13	50703274	
				Carbon steel	Black electrophoresis	8.13	50703274	
400	400	5	0.6	Aluminum alloy	Nature anodized	4.93	50703275	
				Aluminum alloy	Nature anodized	6.82	50703276	
				Aluminum alloy	Black anodized	3.97	50703237	
	400	5	0.8	Aluminum alloy	Nature anodized	3.97	50703238	
				Aluminum alloy	Nature anodized	3.97	50703238	
				Carbon steel	Black electrophoresis	9.25	50703239	
		8	0.8	Aluminum alloy	Nature anodized	5.57	50703240	
				Aluminum alloy	Nature anodized	7.71	50703241	
				Aluminum alloy	Black anodized	3.05	50703242	
400	400	5	0.6	Aluminum alloy	Nature anodized	3.05	50703243	
				Aluminum alloy	Nature anodized	3.05	50703243	
				Carbon steel	Black electrophoresis	7.16	50703244	
				Aluminum alloy	Nature anodized	4.30	50703245	
400	400	8	0.6	Aluminum alloy	Nature anodized	4.30	50703245	
				Aluminum alloy	Nature anodized	4.30	50703245	
				Aluminum alloy	Nature anodized	5.96	50703246	
				Aluminum alloy	Nature anodized	5.96	50703246	

 No machining drawing is to be provided.


WP2/E Pallet

Ordering reference for supply in set

B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.
400	480	5	0.6	Aluminum alloy	Black anodized	3.69	50703247
				Aluminum alloy	Nature anodized	3.69	50703248
				Carbon steel	Black electrophoresis	8.62	50703249
		8	0.6	Aluminum alloy	Nature anodized	5.19	50703250
		12	0.6	Aluminum alloy	Nature anodized	7.20	50703251
	560	5	0.8	Aluminum alloy	Black anodized	4.20	50703277
				Aluminum alloy	Nature anodized	4.20	50703278
				Carbon steel	Black electrophoresis	9.96	50703279
		8	0.8	Aluminum alloy	Nature anodized	5.96	50703280
		12	0.8	Aluminum alloy	Nature anodized	8.32	50703281
		640	5	0.8	Aluminum alloy	Black anodized	4.72
	Aluminum alloy				Nature anodized	4.72	50703253
	Carbon steel				Black electrophoresis	11.30	50703254
	8		0.8	Aluminum alloy	Nature anodized	6.73	50703255
	12		0.8	Aluminum alloy	Nature anodized	9.42	50703256
	720		5	1.0	Aluminum alloy	Black anodized	5.23
		Aluminum alloy			Nature anodized	5.23	50703298
		Carbon steel			Black electrophoresis	12.64	50703299
		8	1.0	Aluminum alloy	Nature anodized	7.50	50703300
		12	1.0	Aluminum alloy	Nature anodized	10.54	50703500
		800	5	1.2	Aluminum alloy	Black anodized	5.85
	Aluminum alloy				Nature anodized	5.85	50703502
	Carbon steel				Black electrophoresis	14.10	50703503
	8		1.2	Aluminum alloy	Nature anodized	8.39	50703504
12	1.2		Aluminum alloy	Nature anodized	11.79	50703505	
480	480		5	0.8	Aluminum alloy	Black anodized	4.41
		Aluminum alloy			Nature anodized	4.41	50703258
		Carbon steel			Black electrophoresis	10.33	50703259
		8	0.8	Aluminum alloy	Nature anodized	6.22	50703260
		12	0.8	Aluminum alloy	Nature anodized	8.65	50703261
	560	5	0.8	Aluminum alloy	Black anodized	5.01	50703282
				Aluminum alloy	Nature anodized	5.01	50703283
				Carbon steel	Black electrophoresis	11.93	50703284
		8	0.8	Aluminum alloy	Nature anodized	7.13	50703285
		12	0.8	Aluminum alloy	Nature anodized	9.97	50703286
		640	5	1.0	Aluminum alloy	Black anodized	5.62
	Aluminum alloy				Nature anodized	5.62	50703263
	Carbon steel				Black electrophoresis	13.52	50703264
	8		1.0	Aluminum alloy	Nature anodized	8.04	50703265
	12		1.0	Aluminum alloy	Nature anodized	11.26	50703266
	720		5	1.0	Aluminum alloy	Black anodized	6.22
		Aluminum alloy			Nature anodized	6.22	50703507
		Carbon steel			Black electrophoresis	15.12	50703508
		8	1.0	Aluminum alloy	Nature anodized	8.95	50703509
		12	1.0	Aluminum alloy	Nature anodized	12.58	50703510
		800	5	1.2	Aluminum alloy	Black anodized	6.92
	Aluminum alloy				Nature anodized	6.92	50703512
	Carbon steel				Black electrophoresis	16.83	50703513
	8		1.2	Aluminum alloy	Nature anodized	9.97	50703514
12	1.2		Aluminum alloy	Nature anodized	14.07	50703515	

 No machining drawing is to be provided.


WP2/E Pallet

Ordering reference for supply in set

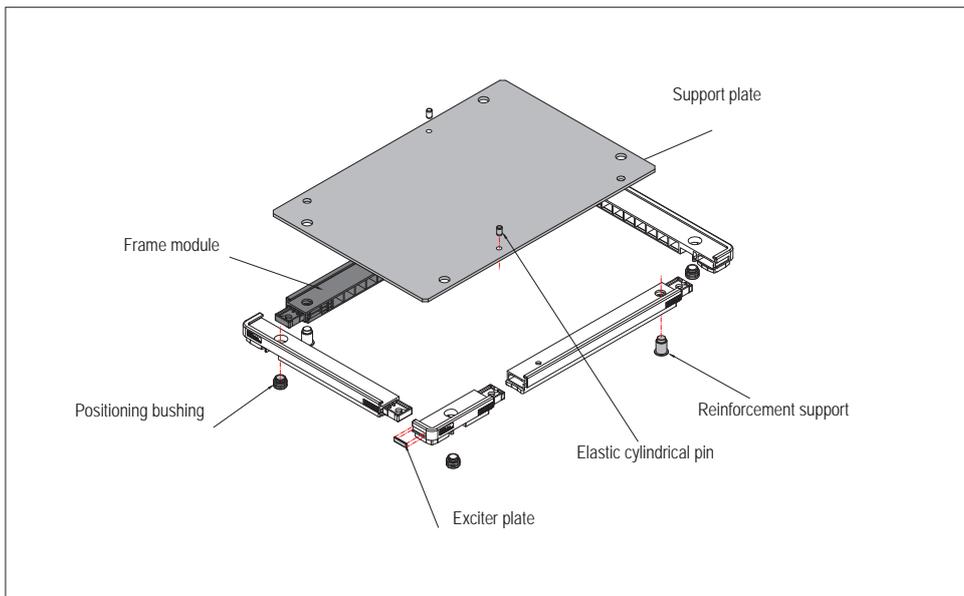
B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Pallet weight (kg)	Part No.		
560	560	5	1.0	Aluminum alloy	Black anodized	5.69	50703287		
				Aluminum alloy	Nature anodized	5.69	50703288		
		8	1.0	Carbon steel	Black electrophoresis	13.78	50703289		
				Aluminum alloy	Nature anodized	8.18	50703290		
	640	5	1.0	Aluminum alloy	Nature anodized	11.50	50703291		
				Aluminum alloy	Black anodized	6.37	50703292		
				Aluminum alloy	Nature anodized	6.37	50703293		
				Carbon steel	Black electrophoresis	15.63	50703294		
		8	1.0	Aluminum alloy	Nature anodized	9.23	50703295		
				Aluminum alloy	Nature anodized	13.03	50703296		
				12	1.0	Aluminum alloy	Black anodized	7.05	50703516
						Aluminum alloy	Nature anodized	7.05	50703517
	Carbon steel	Black electrophoresis	17.48			50703518			
	Aluminum alloy	Nature anodized	10.28			50703519			
	720	5	1.0	Aluminum alloy	Nature anodized	14.56	50703520		
				Aluminum alloy	Black anodized	7.60	50703521		
				Aluminum alloy	Nature anodized	7.60	50703522		
				Carbon steel	Black electrophoresis	18.68	50703523		
		8	1.2	Aluminum alloy	Nature anodized	11.02	50703524		
				Aluminum alloy	Nature anodized	15.60	50703525		
640				5	1.0	Aluminum alloy	Black anodized	7.16	50703267
						Aluminum alloy	Nature anodized	7.16	50703268
	Carbon steel	Black electrophoresis	17.70			50703269			
	Aluminum alloy	Nature anodized	10.37			50703270			
	8	1.0	Aluminum alloy	Nature anodized	14.70	50703271			
			12	1.0	Aluminum alloy	Black anodized	7.93	50703526	
					Aluminum alloy	Nature anodized	7.93	50703527	
					Carbon steel	Black electrophoresis	19.8	50703528	
	Aluminum alloy	Nature anodized			11.56	50703529			
	720	5	1.0	Aluminum alloy	Nature anodized	16.44	50703530		
				Aluminum alloy	Black anodized	8.58	50703531		
				Aluminum alloy	Nature anodized	8.58	50703532		
Carbon steel				Black electrophoresis	21.78	50703533			
8		1.2	Aluminum alloy	Nature anodized	12.62	50703534			
			Aluminum alloy	Nature anodized	18.05	50703535			
			720	5	1.2	Aluminum alloy	Black anodized	8.79	50703536
						Aluminum alloy	Nature anodized	8.79	50703537
Carbon steel	Black electrophoresis	22.16				50703538			
Aluminum alloy	Nature anodized	12.88				50703539			
8	1.2	Aluminum alloy		Nature anodized	18.39	50703540			
		12		1.2	Aluminum alloy	Black anodized	9.52	50703541	
					Aluminum alloy	Nature anodized	9.52	50703542	
					Carbon steel	Black electrophoresis	24.39	50703543	
Aluminum alloy	Nature anodized				14.08	50703544			
800	1.2	Aluminum alloy		Nature anodized	20.21	50703545			
		800		5	1.2	Aluminum alloy	Black anodized	10.34	50703546
						Aluminum alloy	Nature anodized	10.34	50703547
			Carbon steel			Black electrophoresis	26.87	50703548	
Aluminum alloy	Nature anodized		15.42			50703549			
8	1.2		Aluminum alloy	Nature anodized	22.24	50703550			

 No machining drawing is to be provided.


WP2/E Pallet

WP2/E Pallet components

Except for frame module, we also supply support plates and other components according to actual situations.



Exciter plate

- ▶ Used with corner part 160, 240, 320 or 400
- ▶ The sensor detects the location of the pallet through Exciter plate

Elastic cylindrical pin

- ▶ To connect support plate and linear parts

Support plate

- ▶ To connect the frame module parts together
- ▶ Easy installation of custom made workpiece on the pallet

Frame module

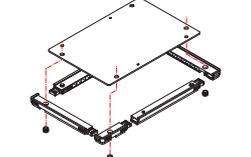
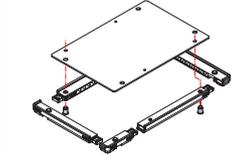
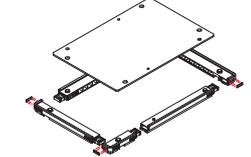
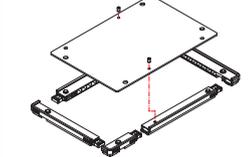
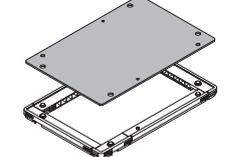
- ▶ Including corner part 160, 240, 320, 400 and linear part 320
- ▶ To form different sizes of pallet with other parts

Reinforcement support

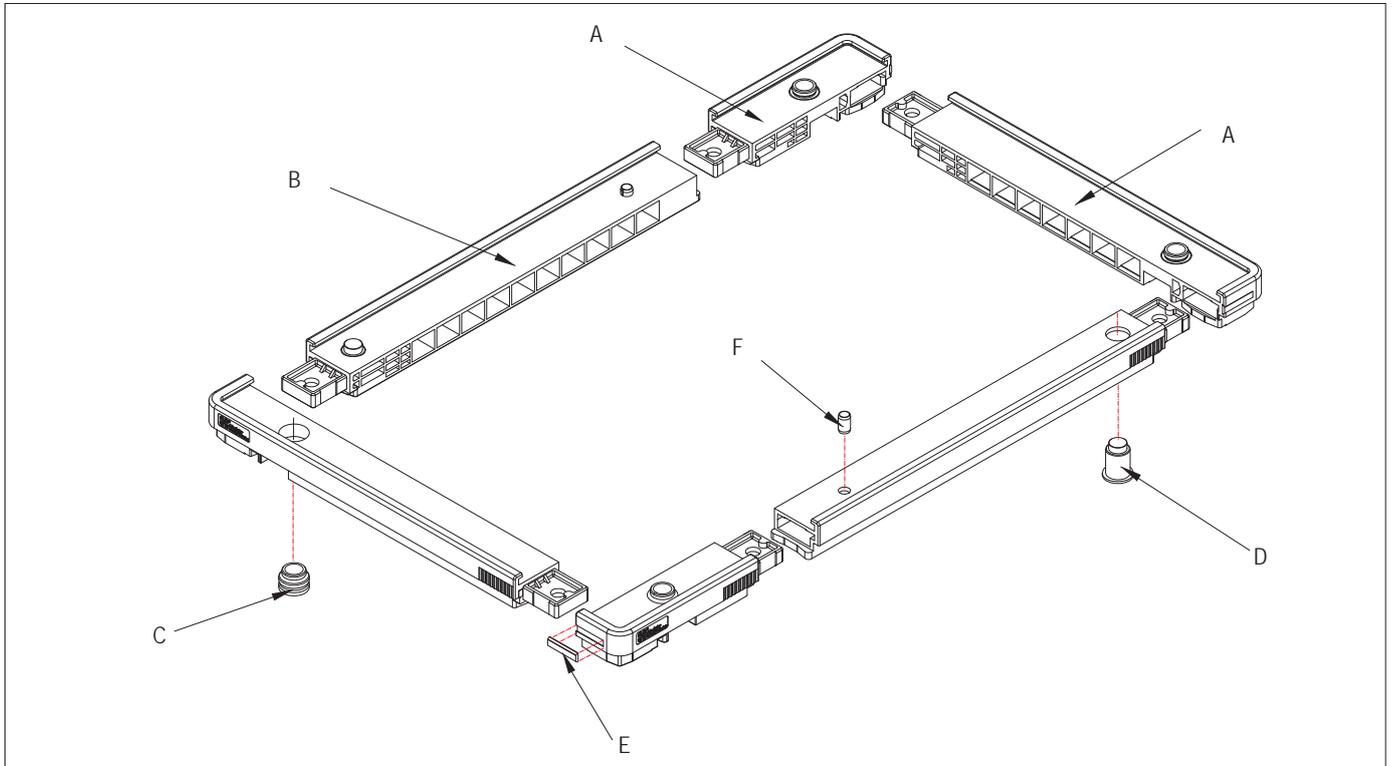
- ▶ For pallet detect, to absorb the stop force from the stop

Positioning bushing

- ▶ To have the positioning unit locate the pallet in exact position

	<p>Pallet frame</p>	<p>Pg -37</p>	
		<p>Frame module</p>	<p>Pg -40</p>
		<p>Positioning bushing</p>	<p>Pg -42</p>
		<p>Reinforcement support</p>	<p>Pg - 43</p>
		<p>Exciter plate</p>	<p>Pg - 43</p>
		<p>Elastic cylindrical pin</p>	<p>Pg - 44</p>
		<p>Support plate</p>	<p>Pg - 45</p>

WP2/E Pallet Frame



- ⚠ Positioning bushing T5, Reinforcement support T5 for 5mm thickness support plate.
- Positioning bushing T8, Reinforcement support T8 for 8mm thickness support plate.
- Positioning bushing T12, Reinforcement support T12 for 12mm thickness support plate.

No.	Description	Part No.
A	Corner part 160	50703101
	Corner part 240	50703102
	Corner part 320	50703103
	Corner part 400	50703105
B	Linear part 320	50703104
C	Positioning bushing (T5)	50702101
	Positioning bushing (T8)	50702108
	Positioning bushing (T12)	50702110
D	Reinforcement support (T5)	50702103
	Reinforcement support (T8)	50702109
	Reinforcement support (T12)	50702111
E	Exciter plate	50703107
F	Elastic cylindrical pin	Φ8x20

WP2/E Pallet Frame

Ordering reference

B _{WT} (mm)	L _{WT} (mm)	T (mm)	A				B	C			D			E	F	Weight (kg)	Part No.
			5	5	5	5	5	5	5	5	5	5	5	5	Φ8×20		
160	160	5	4				4						4		0.43	50703301	
	240	5	2	2			4						4		0.51	50703302	
	320	5	2		2		4						4		0.59	50703303	
240	240	5		4			4						4		0.58	50703304	
	320	5		2	2		4						4		0.67	50703305	
	400	5		2		2		4						4		0.74	50703306
		8		2		2		4						4		0.75	50703307
	480	5	2	2			2	4			2			4	2	0.95	50703308
		8	2	2			2	4			2			4	2	0.97	50703309
320	320	5			4		4						4		0.76	50703310	
		8			4		4						4		0.77	50703311	
	400	5		2	2		4						4		0.83	50703312	
		8		2	2		4						4		0.84	50703313	
	480	5	2	2		2	4			2			4	2	1.03	50703314	
		8	2	2		2	4			2			4	2	1.04	50703315	
		12	2	2		2	4			2			4	2	1.06	50703316	
	560	5		2	2		2	4			2			4	2	1.11	50703338
		8		2	2		2	4			2			4	2	1.12	50703339
		12		2	2		2	4			2			4	2	1.14	50703340
	640	5			4		2	4			2			4	2	1.20	50703317
		8			4		2	4			2			4	2	1.21	50703318
12				4		2	4			2			4	2	1.23	50703319	
400	400	5			4		4						4		0.90	50703320	
		8			4		4						4		0.91	50703321	
		12			4		4						4		0.92	50703322	
	480	5	2		2	2	4			2			4	2	1.11	50703323	
		8	2		2	2	4			2			4	2	1.12	50703324	
		12	2		2	2	4			2			4	2	1.14	50703325	
	560	5		2		2	2	4			2			4	2	1.19	50703341
		8		2		2	2	4			2			4	2	1.20	50703342
		12		2		2	2	4			2			4	2	1.22	50703343
	640	5			2	2	2	4			2			4	2	1.27	50703326
		8			2	2	2	4			2			4	2	1.28	50703327
		12			2	2	2	4			2			4	2	1.30	50703328
	720	5			4	2	4			2				4	2	1.35	50703353
		8			4	2	4			2				4	2	1.36	50703354
		12			4	2	4			2				4	2	1.38	50703355
800	5	2		2	4	4			4				4	4	1.55	50703356	
	8	2		2	4	4			4				4	4	1.56	50703357	
	12	2		2	4	4			4				4	4	1.60	50703358	
480	480	5	4			4	4			4			4	4	1.31	50703329	
		8	4			4	4			4			4	4	1.32	50703330	
		12	4			4	4			4			4	4	1.35	50703331	

! T is thickness of support plate. T=5 is for 5mm carbon steel plate or aluminum plate, T=8 is for 8mm aluminum plate, T=12 is for 12mm aluminum plate.



WP2/E Pallet Frame

Ordering reference

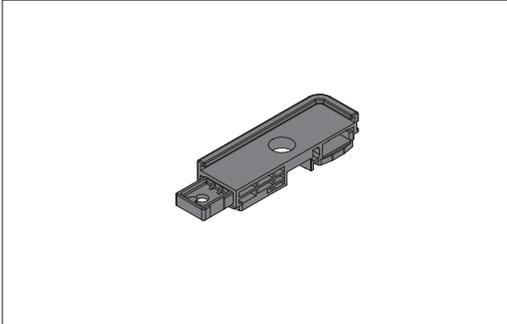
B _{WT} (mm)	L _{WT} (mm)	T (mm)	A				B	C			D			E	F	Weight (kg)	Part No.
			5	5	5	5	5	5	5	5	5	5	5	5	Φ8×20		
480	560	5	2	2			4	4			4			4	4	1.39	50703344
		8	2	2			4		4		4			4	4	1.40	50703345
		12	2	2			4			4		4	4	4	4	1.43	50703346
	640	5	2		2		4	4			4			4	4	1.48	50703332
		8	2		2		4		4		4			4	4	1.49	50703333
		12	2		2		4			4		4	4	4	4	1.52	50703334
	720	5	2			2	4	4			4			4	4	1.56	50703359
		8	2			2	4		4		4			4	4	1.57	50703360
		12	2			2	4			4		4	4	4	4	1.60	50703361
	800	5	4				6	4			6			4	6	1.76	50703362
		8	4				6		4		6			4	6	1.76	50703363
		12	4				6			4		6	4	6	6	1.84	50703364
	560	560	5		4		4	4			4			4	4	1.47	50703347
			8		4		4		4		4			4	4	1.48	50703348
			12		4		4			4		4	4	4	4	1.51	50703349
		640	5	2	2		4	4			4			4	4	1.55	50703350
			8	2	2		4		4		4			4	4	1.56	50703351
			12	2	2		4			4		4	4	4	4	1.58	50703352
		720	5	2		2	4	4			4			4	4	1.63	50703365
			8	2		2	4		4		4			4	4	1.65	50703366
			12	2		2	4			4		4	4	4	4	1.66	50703367
		800	5	2	2		6	4			6			4	6	1.06	50703368
			8	2	2		6		4		6			4	6	1.42	50703369
			12	2	2		6			4		6	4	6	6	1.25	50703370
640	640	5			4	4	4			4			4	4	1.64	50703335	
		8			4		4		4		4		4	4	1.65	50703336	
		12			4		4			4		4	4	4	1.68	50703337	
	720	5	2	2	2	4	4			4			4	4	1.72	50703371	
		8	2	2	2	4		4		4			4	4	1.73	50703372	
		12	2	2	2	4			4		4	4	4	4	1.76	50703373	
	800	5	2	2	2	6	4			6			4	6	1.67	50703374	
		8	2	2	2	6		4		6			4	6	1.69	50703375	
		12	2	2	2	6			4		6	4	6	6	1.72	50703376	
720	720	5			4	4	4			4			4	4	1.80	50703377	
		8			4	4		4		4			4	4	1.81	50703378	
		12			4	4			4		4	4	4	4	1.84	50703379	
	800	5	2		2	6	4			6			4	6	1.76	50703380	
		8	2		2	6		4		6			4	6	1.77	50703381	
		12	2		2	6			4		6	4	6	6	1.80	50703382	
800	800	5	4			8	4			8			4	8	1.71	50703383	
		8	4			8		4		8			4	8	1.72	50703384	
		12	4			8			4		8	4	8	8	1.75	50703385	

! T is thickness of support plate. T=5 is for 5mm carbon steel plate or aluminum plate, T=8 is for 8mm aluminum plate, T=12 is for 12mm aluminum plate.



Frame Module

Corner part 160

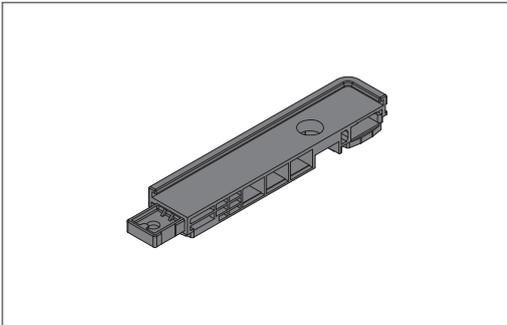


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 160	1	0.08	50703101

Corner part 240

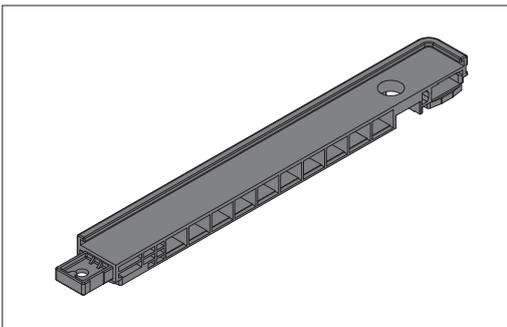


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 240	1	0.12	50703102

Corner part 320

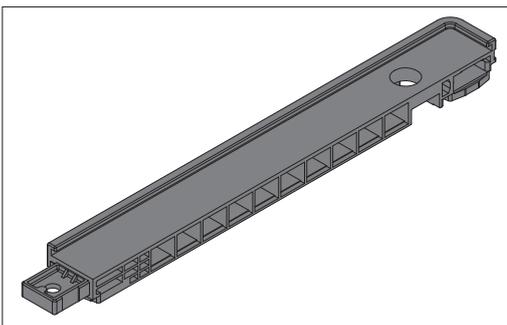


- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 320	1	0.16	50703103

Corner part 400



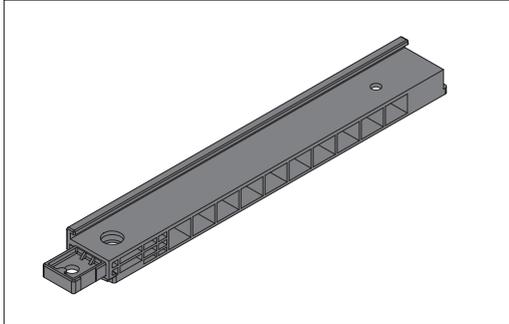
- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Corner part 400	1	0.20	50703105

Frame Module

Linear part 320



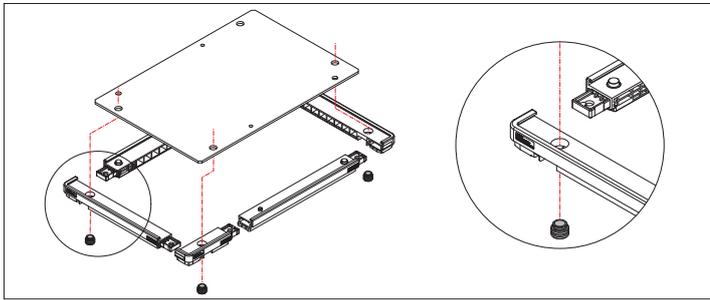
- ▶ Material: PA, black
- ▶ Connected with other corner part, linear part

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Linear part320	1	0.17	50703104

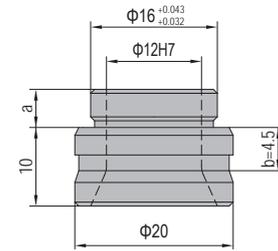


Positioning Bushing



- ▶ Material: Steel, hardened
 - ▶ Combined with frame modules of WP2/E pallet
 - ▶ Accurate positioning
 - ▶ Fix frame module and support plate
- ▶ Accessories
 - ▶ Press-fit mandrel (To be ordered separately)

Dimension

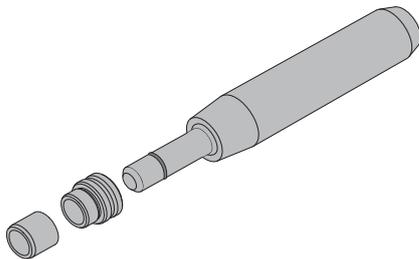


- ⚠ 1. The dimension $\Phi 12H7$ refers to the state before press-fitting. After press-fitting with the mandrel, the dimension $\Phi 12H7$ is guaranteed to be in the "b" range.
2. Suggested bushing hole dia: 5 mm Carbon steel plate $\Phi 16^{+0.012/-0.01}$
 5 / 8 / 12 mm Aluminum alloy plate $\Phi 16^{-0.02/-0.04}$

Ordering reference

Product name	Dimension for a (mm)	Upper dimension for a (mm)	Lower dimension for a (mm)	Thickness of support plate T (mm)	Delivery unit	Weight (kg)	Part No.
Positioning bushing(T5)	4.8	0	-0.15	5	1	0.016	50702101
Positioning bushing(T8)	7.8	0	-0.15	8	1	0.018	50702108
Positioning bushing(T12)	11.8	0	-0.15	12	1	0.021	50702110

Press-fit Mandrel



- ▶ Material: steel, hardened
- ▶ Can be combined with positioning bushing of the WP2/E pallet

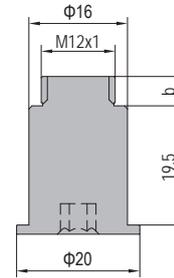
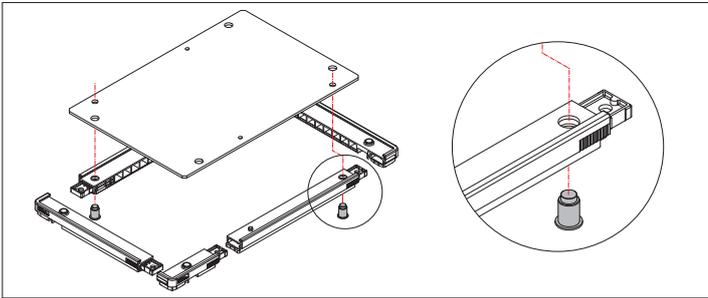
- ▶ The press-fit mandrel is used when mounting the pallet for pressing the positioning bushings into the support plate.

Ordering reference

Product name	Delivery unit	Part No.
Press-fit mandrel	1	50702600

Reinforcement Support

Dimension



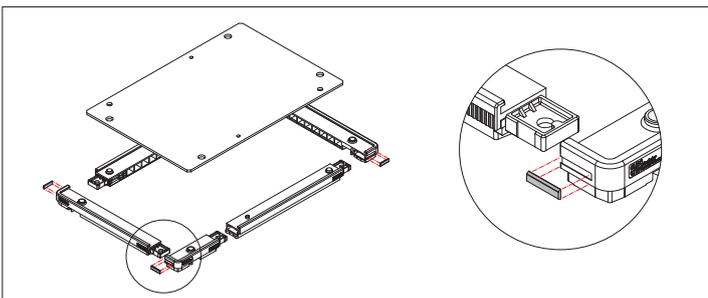
- ▶ Material: steel, zinc plate
- ▶ Combined with frame modules of WP2/E pallet
- ▶ For pallet detection
- ▶ For absorbing the stop forces on the stop

Ordering reference

Product name	Dimension for b (mm)	Upper dimension for b (mm)	Lower dimension for b (mm)	Thickness for support plate T (mm)	Allowable max. torque (N.M)	Delivery unit	Weight (kg)	Part No.
Reinforcement support T5	4.8	0	-0.15	5	14	1	0.04	50702103
Reinforcement support T8	7.8	0	-0.15	8	14	1	0.041	50702109
Reinforcement support T12	11.8	0	-0.15	12	14	1	0.045	50702111

Exciter Plate

Dimension



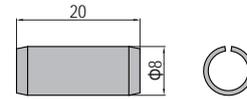
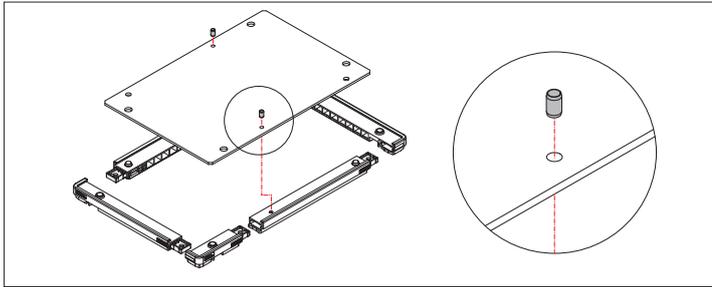
- ▶ Material: steel, zinc plate
- ▶ Combined with corner part 160, 240, 320, 400 for WP2/E pallet
- ▶ The sensor detects the location of the pallet through exciter plate

Ordering reference

Product name	Delivery unit	Weight (kg)	Part No.
Exciter plate	1	0.003	50703107

Elastic Cylindrical Pin

Dimension



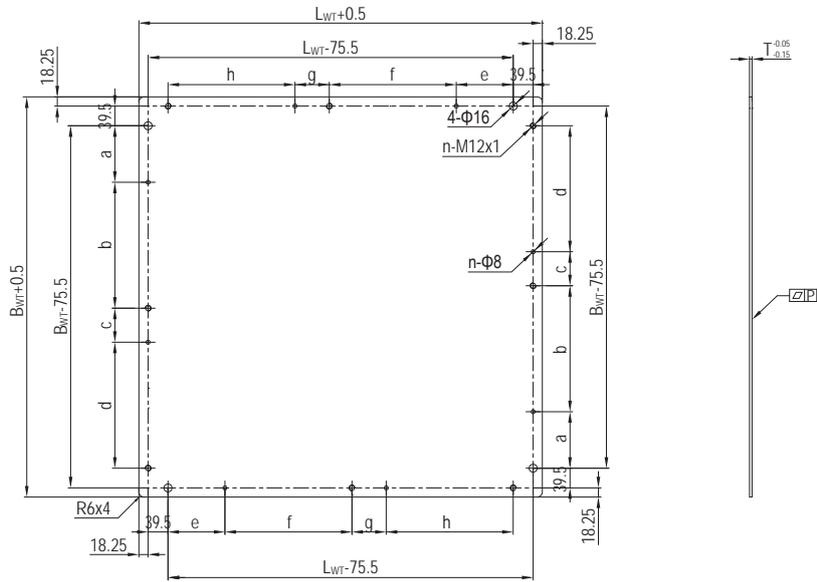
- ▶ GB/T879.2-2000
- ▶ Material: steel, zinc plated
- ▶ To connect support plate and linear parts of WP2/E pallet

Ordering reference

Product name	Delivery unit	Weight (kg)
Elastic cylindrical pin	1	0.006

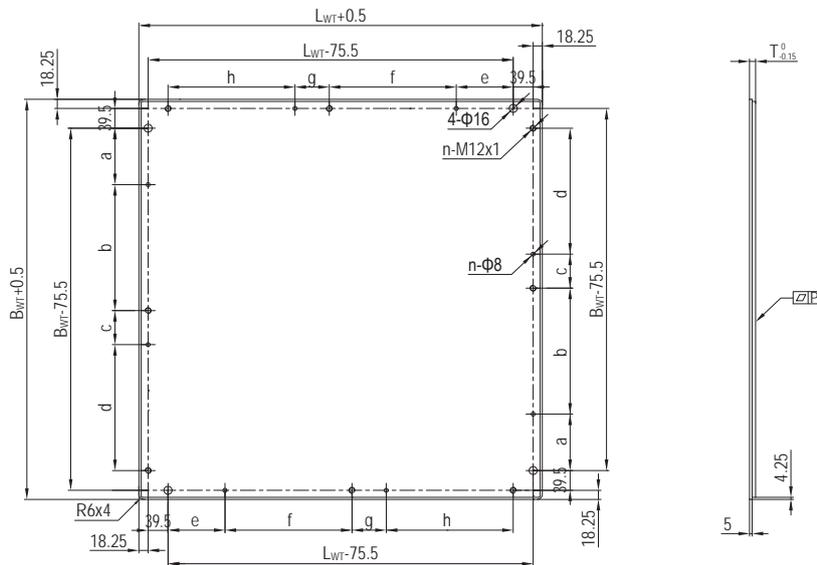
Support Plate

5mm steel or aluminum support plate



 No production drawings

8mm、12mm aluminum support plate



 No production drawings

Support Plate

Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate T(mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	n	P	Weight (kg)	Ordering reference No.		
160	160	5	Aluminum alloy	Black anodized											0.3	0.34	50703111	
			Aluminum alloy	Nature anodized												0.3	0.34	50703113
			Carbon steel	Black electrophoresis												0.3	0.98	50703112
	240	240	5	Aluminum alloy	Black anodized											0.3	0.51	50703114
				Aluminum alloy	Nature anodized											0.3	0.51	50703116
				Carbon steel	Black electrophoresis											0.3	1.48	50703115
		320	5	Aluminum alloy	Black anodized											0.3	0.68	50703117
				Aluminum alloy	Nature anodized											0.3	0.68	50703119
				Carbon steel	Black electrophoresis											0.3	1.99	50703118
240	240	5	Aluminum alloy	Black anodized											0.3	0.77	50703120	
			Aluminum alloy	Nature anodized											0.3	0.77	50703122	
			Carbon steel	Black electrophoresis											0.3	2.24	50703121	
	320	5	Aluminum alloy	Black anodized											0.5	1.03	50703123	
			Aluminum alloy	Nature anodized											0.5	1.03	50703125	
			Carbon steel	Black electrophoresis											0.5	2.99	50703124	
		400	5	Aluminum alloy	Black anodized											0.6	1.29	50703126
				Aluminum alloy	Nature anodized											0.6	1.29	50703128
				Carbon steel	Black electrophoresis											0.6	3.75	50703127
	480	8	Aluminum alloy	Nature anodized											0.6	2.02	50703129	
			5	Aluminum alloy	Black anodized	113	252							2	0.6	1.54	50703130	
				Aluminum alloy	Nature anodized	113	252							2	0.6	1.54	50703132	
		8		Carbon steel	Black electrophoresis	113	252								2	0.6	4.50	50703131
			Aluminum alloy	Nature anodized	113	252								2	0.6	2.42	50703133	
			320	320	5	Aluminum alloy	Black anodized											0.5
Aluminum alloy	Nature anodized														0.5	1.37	50703136	
Carbon steel	Black electrophoresis														0.5	4.00	50703135	
400	8	Aluminum alloy		Nature anodized											0.5	2.15	50703137	
		5		Aluminum alloy	Black anodized											0.6	1.72	50703138
				Aluminum alloy	Nature anodized Black											0.6	1.72	50703140
480	8			Carbon steel	electrophoresis											0.6	5.00	50703139
		5		Aluminum alloy	Nature anodized											0.6	2.71	50703141
				Aluminum alloy	Black anodized	113	252								2	0.6	2.07	50703142
	12		Aluminum alloy	Nature anodized	113	252								2	0.6	2.07	50703144	
		Carbon steel	Black electrophoresis	113	252								2	0.6	6.01	50703143		
		Aluminum alloy	Nature anodized	113	252								2	0.6	3.26	50703145		
560	5	Aluminum alloy	Nature anodized	113	252								2	0.6	4.85	50703146		
		8	Aluminum alloy	Black anodized	193	252								2	0.8	2.42	50703185	
			Aluminum alloy	Nature anodized	193	252								2	0.8	2.42	50703187	
	12		Carbon steel	Black electrophoresis	193	252								2	0.8	7.02	50703186	
		Aluminum alloy	Nature anodized	193	252								2	0.8	3.81	50703188		
		Aluminum alloy	Nature anodized	193	252								2	0.8	5.68	50703189		
	640	5	Aluminum alloy	Black anodized	273	252								2	0.8	2.77	50703147	
			Aluminum alloy	Nature anodized	273	252								2	0.8	2.77	50703149	
			Carbon steel	Black electrophoresis	273	252								2	0.8	8.05	50703148	
8		Aluminum alloy	Nature anodized	273	252								2	0.8	4.36	50703150		
		Aluminum alloy	Nature anodized	273	252								2	0.8	6.48	50703151		
400	400	5	Aluminum alloy	Black anodized											0.6	2.15	50703152	
			Aluminum alloy	Nature anodized											0.6	2.15	50703154	
			Carbon steel	Black electrophoresis											0.6	6.26	50703153	
		8	Aluminum alloy	Nature anodized											0.6	3.39	50703155	
			Aluminum alloy	Nature anodized											0.6	5.04	50703156	



Support Plate

Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate T(mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	n	P	Weight (kg)	Ordering reference No.	
400	480	5	Aluminum alloy	Black anodized	113	252							2	0.6	2.58	50703157	
			Aluminum alloy	Nature anodized	113	252								2	0.6	2.58	50703159
			Carbon steel	Black electrophoresis	113	252								2	0.6	7.51	50703158
		8	Aluminum alloy	Nature anodized	113	252								2	0.6	4.07	50703160
		12	Aluminum alloy	Nature anodized	113	252								2	0.6	6.06	50703161
	560	5	Aluminum alloy	Black anodized	193	252								2	0.8	3.01	50703190
			Aluminum alloy	Nature anodized	193	252								2	0.8	3.01	50703192
			Carbon steel	Black electrophoresis	193	252								2	0.8	8.77	50703191
		8	Aluminum alloy	Nature anodized	193	252								2	0.8	4.76	50703193
		12	Aluminum alloy	Nature anodized	193	252								2	0.8	7.10	50703194
	640	5	Aluminum alloy	Black anodized	273	252								2	0.8	3.45	50703162
			Aluminum alloy	Nature anodized	273	252								2	0.8	3.45	50703164
			Carbon steel	Black electrophoresis	273	252								2	0.8	10.03	50703163
		8	Aluminum alloy	Nature anodized	273	252								2	0.8	5.45	50703165
		12	Aluminum alloy	Nature anodized	273	252								2	0.8	8.12	50703166
	720	5	Aluminum alloy	Black anodized	353	252								2	1.0	3.88	50703411
			Aluminum alloy	Nature anodized	353	252								2	1.0	3.88	50703412
			Carbon steel	Black electrophoresis	353	252								2	1.0	11.29	50703413
		8	Aluminum alloy	Nature anodized	353	252								2	1.0	6.14	50703414
		12	Aluminum alloy	Nature anodized	353	252								2	1.0	9.16	50703415
	800	5	Aluminum alloy	Black anodized	113	252	68	252						4	1.2	4.31	50703416
			Aluminum alloy	Nature anodized	113	252	68	252						4	1.2	4.31	50703417
			Carbon steel	Black electrophoresis	113	252	68	252						4	1.2	12.56	50703418
		8	Aluminum alloy	Nature anodized	113	252	68	252						4	1.2	6.83	50703419
12		Aluminum alloy	Nature anodized	113	252	68	252						4	1.2	10.19	50703420	
480	480	5	Aluminum alloy	Black anodized	113	252			113	252			4	0.8	3.10	50703167	
			Aluminum alloy	Nature anodized	113	252			113	252				4	0.8	3.10	50703169
			Carbon steel	Black electrophoresis	113	252			113	252				4	0.8	9.02	50703168
		8	Aluminum alloy	Nature anodized	113	252			113	252				4	0.8	4.90	50703170
		12	Aluminum alloy	Nature anodized	113	252			113	252				4	0.8	7.30	50703171
	560	5	Aluminum alloy	Black anodized	113	252			193	252				4	0.8	3.62	50703195
			Aluminum alloy	Nature anodized	113	252			193	252				4	0.8	3.62	50703197
			Carbon steel	Black electrophoresis	113	252			193	252				4	0.8	10.54	50703196
		8	Aluminum alloy	Nature anodized	113	252			193	252				4	0.8	5.73	50703198
		12	Aluminum alloy	Nature anodized	113	252			193	252				4	0.8	8.54	50703199
	640	5	Aluminum alloy	Black anodized	113	252			273	252				4	1.0	4.14	50703172
			Aluminum alloy	Nature anodized	113	252			273	252				4	1.0	4.14	50703174
			Carbon steel	Black electrophoresis	113	252			273	252				4	1.0	12.04	50703173
		8	Aluminum alloy	Nature anodized	113	252			273	252				4	1.0	6.55	50703175
		12	Aluminum alloy	Nature anodized	113	252			273	252				4	1.0	9.74	50703176
	720	5	Aluminum alloy	Black anodized	113	252			353	252				4	1.0	4.66	50703421
			Aluminum alloy	Nature anodized	113	252			353	252				4	1.0	4.66	50703422
			Carbon steel	Black electrophoresis	113	252			353	252				4	1.0	13.56	50703423
		8	Aluminum alloy	Nature anodized	113	252			353	252				4	1.0	7.38	50703424
		12	Aluminum alloy	Nature anodized	113	252			353	252				4	1.0	10.98	50703425
	800	5	Aluminum alloy	Black anodized	113	252			113	252	68	252	6	1.2	5.18	50703426	
			Aluminum alloy	Nature anodized	113	252			113	252	68	252	6	1.2	5.18	50703427	
			Carbon steel	Black electrophoresis	113	252			113	252	68	252	6	1.2	15.07	50703428	
		8	Aluminum alloy	Nature anodized	113	252			113	252	68	252	6	1.2	8.21	50703429	
12		Aluminum alloy	Nature anodized	113	252			113	252	68	252	6	1.2	12.23	50703430		



Support Plate

Ordering reference

Pallet dimension (mm) B _{WT} X L _{WT}		Thickness of support plate T(mm)	Material of support plate	Surface treatment of support plate	a	b	c	d	e	f	g	h	n	P	Weight (kg)	Ordering reference No.	
560	560	5	Aluminum alloy	Black anodized	193	252			193	252			4	1.0	4.22	50703401	
			Aluminum alloy	Nature anodized	193	252			193	252			4	1.0	4.22	50703403	
			Carbon steel	Black electrophoresis	193	252			193	252			4	1.0	12.31	50703402	
		Aluminum alloy	Nature anodized	193	252			193	252			4	1.0	6.70	50703404		
	Aluminum alloy	Nature anodized	193	252			193	252			4	1.0	10.00	50703405			
	640	5	Aluminum alloy	Black anodized	193	252			273	252			4	1.0	4.83	50703406	
			Aluminum alloy	Nature anodized	193	252			273	252			4	1.0	4.83	50703408	
			Carbon steel	Black electrophoresis	193	252			273	252			4	1.0	14.08	50703407	
		Aluminum alloy	Nature anodized	193	252			273	252			4	1.0	7.66	50703409		
		Aluminum alloy	Nature anodized	193	252			273	252			4	1.0	11.45	50703410		
		720	5	Aluminum alloy	Black anodized	193	252			353	252			4	1.0	5.43	50703431
	Aluminum alloy			Nature anodized	193	252			353	252			4	1.0	5.43	50703432	
	Carbon steel		Black electrophoresis	193	252			353	252			4	1.0	15.85	50703433		
	Aluminum alloy		Nature anodized	193	252			353	252			4	1.0	8.63	50703434		
	800	5	Aluminum alloy	Black anodized	193	252			113	252	68	252	6	1.2	6.04	50703436	
			Aluminum alloy	Nature anodized	193	252			113	252	68	252	6	1.2	6.04	50703437	
		Carbon steel	Black electrophoresis	193	252			113	252	68	252	6	1.2	17.62	50703438		
		Aluminum alloy	Nature anodized	193	252			113	252	68	252	6	1.2	9.60	50703439		
	640	640	5	Aluminum alloy	Black anodized	273	252			273	252			4	1.0	5.52	50703177
				Aluminum alloy	Nature anodized	273	252			273	252			4	1.0	5.52	50703179
				Carbon steel	Black electrophoresis	273	252			273	252			4	1.0	16.06	50703178
			Aluminum alloy	Nature anodized	273	252			273	252			4	1.0	8.72	50703180	
		Aluminum alloy	Nature anodized	273	252			273	252			4	1.0	13.02	50703181		
		720	5	Aluminum alloy	Black anodized	273	252			353	252			4	1.0	6.21	50703441
Aluminum alloy				Nature anodized	273	252			353	252			4	1.0	6.21	50703442	
Carbon steel				Black electrophoresis	273	252			353	252			4	1.0	18.08	50703443	
Aluminum alloy			Nature anodized	273	252			353	252			4	1.0	9.83	50703444		
Aluminum alloy			Nature anodized	273	252			353	252			4	1.0	14.68	50703445		
800			5	Aluminum alloy	Black anodized	273	252			113	252	68	252	6	1.2	6.90	50703446
		Aluminum alloy		Nature anodized	273	252			113	252	68	252	6	1.2	6.90	50703447	
	Carbon steel	Black electrophoresis	273	252			113	252	68	252	6	1.2	20.10	50703448			
	Aluminum alloy	Nature anodized	273	252			113	252	68	252	6	1.2	10.93	50703449			
Aluminum alloy	Nature anodized	273	252			113	252	68	252	6	1.2	16.34	50703450				
720	720	5	Aluminum alloy	Black anodized	353	252			353	252			4	1.2	6.99	50703451	
			Aluminum alloy	Nature anodized	353	252			353	252			4	1.2	6.99	50703452	
			Carbon steel	Black electrophoresis	353	252			353	252			4	1.2	20.36	50703453	
		Aluminum alloy	Nature anodized	353	252			353	252			4	1.2	11.07	50703454		
	Aluminum alloy	Nature anodized	353	252			353	252			4	1.2	16.55	50703455			
	800	5	Aluminum alloy	Black anodized	353	252			113	252	68	252	6	1.2	7.77	50703456	
			Aluminum alloy	Nature anodized	353	252			113	252	68	252	6	1.2	7.77	50703457	
		Carbon steel	Black electrophoresis	353	252			113	252	68	252	6	1.2	22.63	50703458		
		Aluminum alloy	Nature anodized	353	252			113	252	68	252	6	1.2	12.31	50703459		
	Aluminum alloy	Nature anodized	353	252			113	252	68	252	6	1.2	18.41	50703460			
	800	800	5	Aluminum alloy	Black anodized	113	252	68	252	113	252	68	252	8	1.2	8.63	50703461
				Aluminum alloy	Nature anodized	113	252	68	252	113	252	68	252	8	1.2	8.63	50703462
Carbon steel				Black electrophoresis	113	252	68	252	113	252	68	252	8	1.2	25.16	50703463	
Aluminum alloy			Nature anodized	113	252	68	252	113	252	68	252	8	1.2	13.70	50703464		
Aluminum alloy	Nature anodized	113	252	68	252	113	252	68	252	8	1.2	20.48	50703465				



WP2/C Pallet

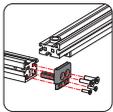
	Delivery	Workday
		10-15
 Please contact us for non-standard products		

Features/Benefits

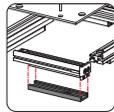
1. With high strength aluminum profiles and friction strip for stable frame.
2. With positioning bushings for a positioning accuracy of ± 0.1 mm.
3. The standard exciter plate is to matched with the proximity switch
4. The support plate is 5 mm, 8 mm, 12 mm thickness aluminum plate or 5 mm steel plate.
5. The friction strip is replaceable.
6. With full range of dimension for different requests of pallet dimensions.

Supply mode

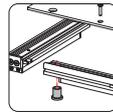
1. Supply in set(Equipped).
2. Supply in pcs



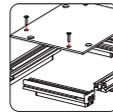
Cap



Friction strip



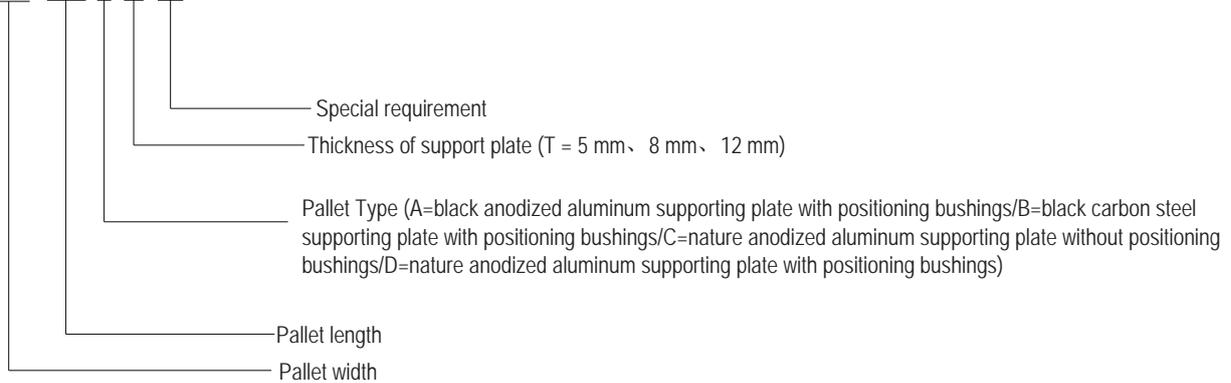
Positioning bushing



Connector

Ordering Reference for non-standard pallet

WP2/C - B_{WT} - L_{WT} - A - T - SR



Example

WP2/C-350-400-A-5-SR

WP2/C pallet - pallet width 350 mm - pallet length 400 mm - type A pallet(black anodized support plate with positioning bushings) - Thickness of support plate 5 mm - SR(special requirement)

Note:

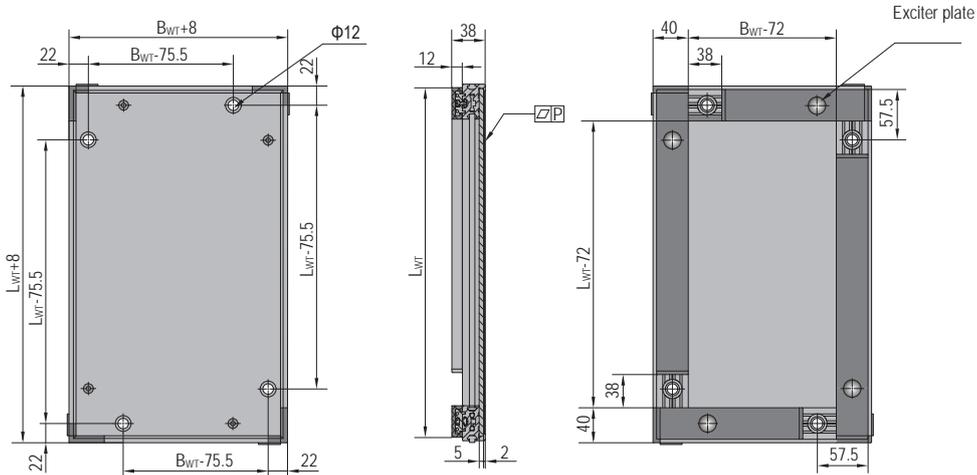
- ▶ Used with pallet conveyor with toothed belt, base belt or accumulation roller chain etc.
- ▶ Please contact us for special requirement on the pallet size or support plate thickness.



WP2/C Pallet

Ordering reference for standard pallet

Including positioning bushing



B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Weight (kg)	Part No.
160	160	5	0.3	Aluminum alloy	Black anodized	1.61	50701201
				Aluminum alloy	Nature anodized	1.61	50701203
				Carbon steel	Black electrophoresis	2.25	50701202
	240	5	0.3	Aluminum alloy	Black anodized	2.14	50701204
				Aluminum alloy	Nature anodized	2.14	50701206
				Carbon steel	Black electrophoresis	3.10	50701205
	320	5	0.3	Aluminum alloy	Black anodized	2.65	50701207
				Aluminum alloy	Nature anodized	2.65	50701209
				Carbon steel	Black electrophoresis	3.93	50701208
240	240	5	0.3	Aluminum alloy	Black anodized	2.75	50701210
				Aluminum alloy	Nature anodized	2.75	50701212
				Carbon steel	Black electrophoresis	4.20	50701211
	320	5	0.5	Aluminum alloy	Black anodized	3.35	50701213
				Aluminum alloy	Nature anodized	3.35	50701215
				Carbon steel	Black electrophoresis	5.28	50701214
	400	5	0.6	Aluminum alloy	Black anodized	3.96	50701216
				Aluminum alloy	Nature anodized	3.96	50701218
				Carbon steel	Black electrophoresis	6.38	50701217
		8	0.5	Aluminum alloy	Nature anodized	6.22	50701243
				Aluminum alloy	Black anodized	4.58	50701219
				Aluminum alloy	Nature anodized	4.58	50701221
320	320	5	0.5	Carbon steel	Black electrophoresis	7.48	50701220
				Aluminum alloy	Nature anodized	7.46	50701244
				Aluminum alloy	Black anodized	4.03	50701222
	8	0.5	Aluminum alloy	Nature anodized	4.03	50701224	
			Carbon steel	Black electrophoresis	6.61	50701223	
			Aluminum alloy	Nature anodized	6.38	50701245	
	400	5	0.6	Aluminum alloy	Black anodized	4.73	50701225
				Aluminum alloy	Nature anodized	4.73	50701227
				Carbon steel	Black electrophoresis	7.96	50701226
8	0.6	Aluminum alloy	Nature anodized	7.50	50701246		



WP2/C Pallet

Ordering reference for standard pallet

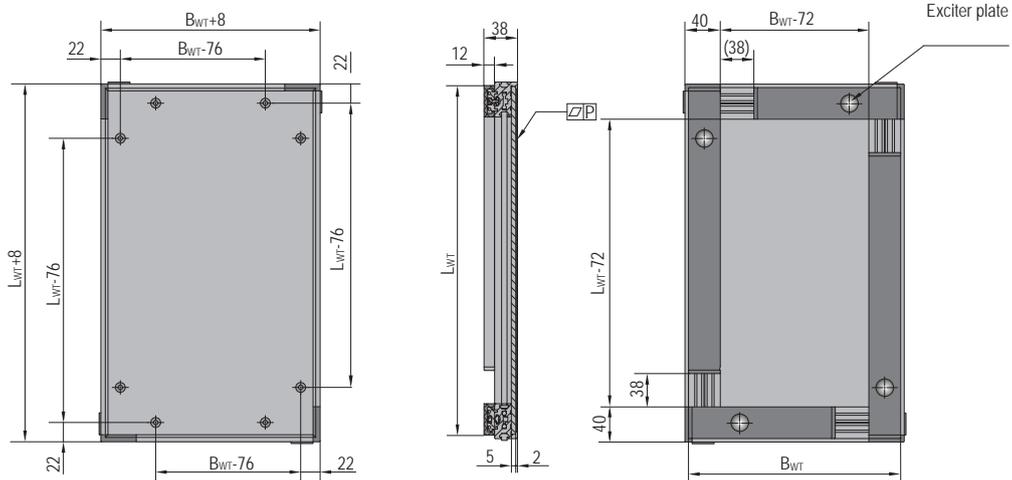
B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	Weight (kg)	Part No.	
320	480	5	0.6	Aluminum alloy	Black anodized	5.43	50701228	
				Aluminum alloy	Nature anodized	5.43	50701230	
				Carbon steel	Black electrophoresis	9.31	50701229	
		8	0.6	Aluminum alloy	Nature anodized	8.64	50701247	
		12	0.6	Aluminum alloy	Nature anodized	12.96	50701252	
400	400	5	0.6	Aluminum alloy	Black anodized	5.52	50701231	
				Aluminum alloy	Nature anodized	5.52	50701233	
				Carbon steel	Black electrophoresis	9.56	50701232	
		8		0.6	Aluminum alloy	Nature anodized	8.96	50701248
		12		0.6	Aluminum alloy	Nature anodized	13.44	50701253
		480		5	0.6	Aluminum alloy	Black anodized	6.31
	Aluminum alloy		Nature anodized			6.39	50701236	
	Carbon steel		Black electrophoresis			11.16	50701235	
	8		0.6	Aluminum alloy		Nature anodized	10.22	50701249
	12		0.6	Aluminum alloy		Nature anodized	15.34	50701254
	480		480	5		0.8	Aluminum alloy	Black anodized
		Aluminum alloy			Nature anodized		7.18	50701239
Carbon steel		Black electrophoresis			13.01		50701238	
8		0.8		Aluminum alloy	Nature anodized		11.65	50701250
12		0.8		Aluminum alloy	Nature anodized		17.47	50701255
640	640	5	0.8	Aluminum alloy	Black anodized	10.95	50701240	
				Aluminum alloy	Nature anodized	10.95	50701242	
				Carbon steel	Black electrophoresis	21.33	50701241	
		8		0.8	Aluminum alloy	Nature anodized	15.54	50701251
		12		0.8	Aluminum alloy	Nature anodized	23.30	50701256

 No production drawings


WP2/C Pallet

Ordering reference for standard pallet

Excluding positioning bushing

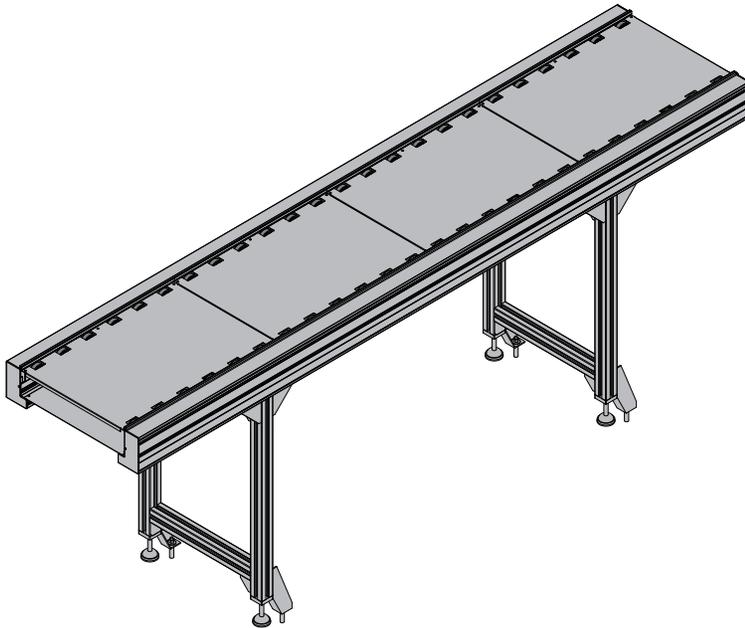


B _{WT} (mm)	L _{WT} (mm)	Thickness of support plate T (mm)	Flatness P (mm)	Material of support plate	Surface treatment of support plate	weight (kg)	Part No.
160	160	5	0.3	Aluminum alloy	Nature anodized	1.49	50701301
	240			Aluminum alloy	Nature anodized	1.92	50701302
	320			Aluminum alloy	Nature anodized	2.02	50701303
240	240	5	0.3	Aluminum alloy	Nature anodized	2.53	50701304
			0.5	Aluminum alloy	Nature anodized	3.23	50701305
	320	5	0.6	Aluminum alloy	Nature anodized	3.84	50701306
			0.5	Aluminum alloy	Nature anodized	6.10	50701315
	480	5	0.6	Aluminum alloy	Nature anodized	4.46	50701307
			0.5	Aluminum alloy	Nature anodized	7.34	50701316
320	320	5	0.5	Aluminum alloy	Nature anodized	3.91	50701308
			0.5	Aluminum alloy	Nature anodized	6.26	50701317
	400	5	0.6	Aluminum alloy	Nature anodized	4.61	50701309
			0.6	Aluminum alloy	Nature anodized	7.38	50701318
			0.6	Aluminum alloy	Nature anodized	5.31	50701310
	480	5	0.6	Aluminum alloy	Nature anodized	8.52	50701319
			0.6	Aluminum alloy	Nature anodized	12.84	50701324
			0.6	Aluminum alloy	Nature anodized	5.40	50701311
400	400	8	0.6	Aluminum alloy	Nature anodized	8.84	50701320
			0.6	Aluminum alloy	Nature anodized	13.32	50701325
			0.6	Aluminum alloy	Nature anodized	6.19	50701312
	480	8	0.6	Aluminum alloy	Nature anodized	10.10	50701321
			0.6	Aluminum alloy	Nature anodized	15.22	50701326
			0.6	Aluminum alloy	Nature anodized	7.06	50701313
480	480	5	0.8	Aluminum alloy	Nature anodized	7.06	50701313
			0.8	Aluminum alloy	Nature anodized	11.53	50701322
			0.8	Aluminum alloy	Nature anodized	17.35	50701327
640	640	5	0.8	Aluminum alloy	Nature anodized	10.83	50701314
			0.8	Aluminum alloy	Nature anodized	15.42	50701323
			0.8	Aluminum alloy	Nature anodized	23.18	50701328

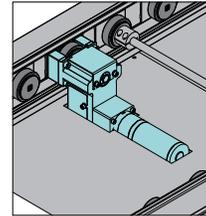
 No production drawings

PRC High Speed Roller Conveyor

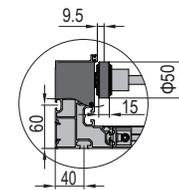
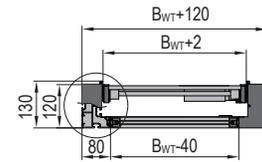
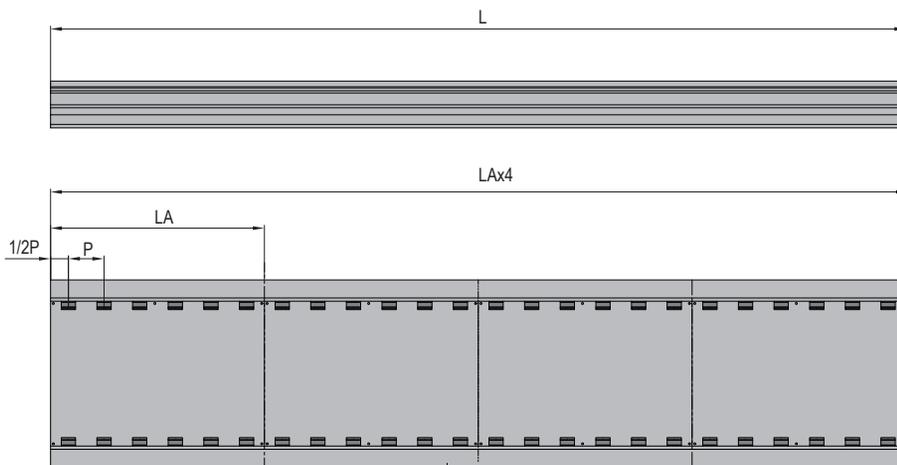
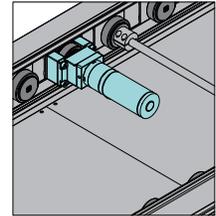
 Delivery **15** Workday
 Please contact us for non-standard products



Direct drive



Indirect drive



Recommend to use Modular standard pallet WP2/R. For the pallet made by customers, we need to verify for the compatibility in advance. We won't provide quality assurance service if conveyor is damaged by pallets mismatch issues.

Unit motor can drives conveyor length, shorter form single drive length (LA) as related parameter is determined by such as pallet length, conveyor speed and pallet quality. (Detailing to see single length recommendation form.)

Ea.ch unit single drive conveying segment only permit conveying one pallet for each time

Unit driven length recommendation form

Unit pallet total weight (m)	8kg		12kg		15kg	
	60m/min	80m/min	60m/min	80m/min	60m/min	80m/min
320	500	600	500	600	600	700
400	600	700	600	700	700	800
480	700	800	700	800	800	900
640	800	900	900	1000	900	1000

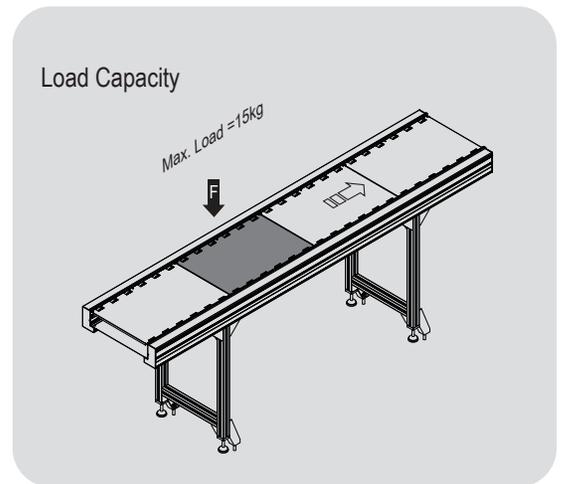


Specifications

Conveyor Length	$L \geq 300\text{mm}$
Pallet Width	$240 \leq B_{WT} \leq 640\text{ mm}^{1)}$
Pallet Length	$320 \leq L_{WT} \leq 640\text{ mm}^{1)}$
Conveyor Height	Customer Specified
Unit Pallet Max. Total Weight	15 kg
Max. Conveyor Speed	$V \text{ max.} = 150\text{ m/min}^{2)}$
Drive Medium	Belting Drive
Conveying Medium	Rubber Covered Roller
Roller Spacing	100 / 150 mm

¹⁾ Pallet size can be continuance, the different size of cell should be made by customer demand, for indirect drive form, the pallet width $B_{WT} \geq 320\text{mm}$.

²⁾ Standard model $V_{\text{max}}=90\text{m/min}$, The new upgraded model $V_{\text{max}}=150\text{m/min}$.



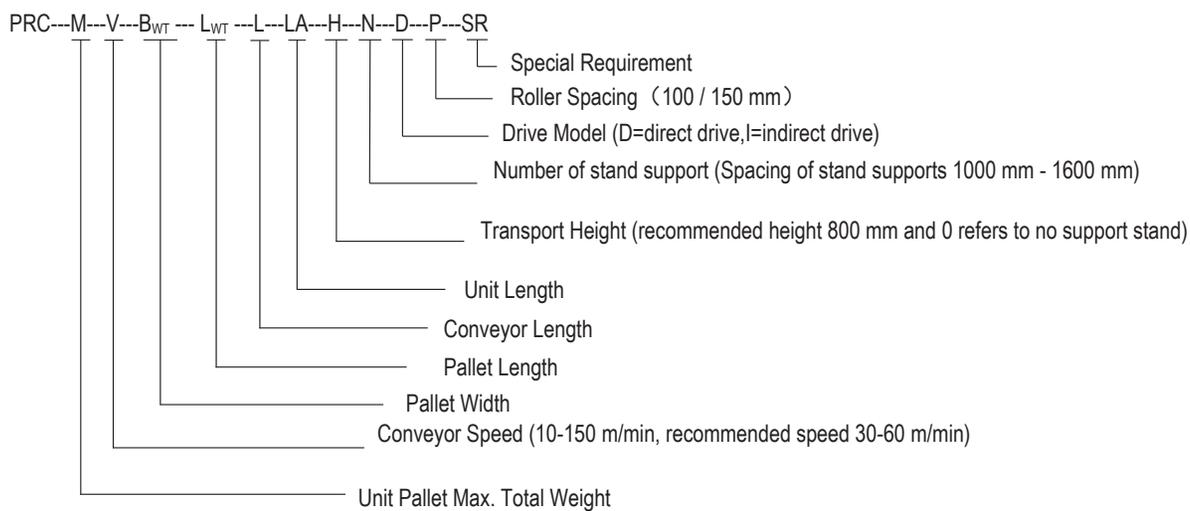
Features/Benefits

1. Modular design and Moulded parts with Flexible combination, it is excellent economy and short delivery time.
2. Advantages include high speed, high precision, high cleanliness, low energy consumption and collision-free.
3. It can be matching 90 degree bends, electric turntables, continuous hoists and other mechanisms application, achieve pallet automation warmly control.

Industries Served

It is suitable for conveying delicate materials that are easily damaged by vibration, such as new energy battery cells, electronic products etc.

Ordering Reference



Example:

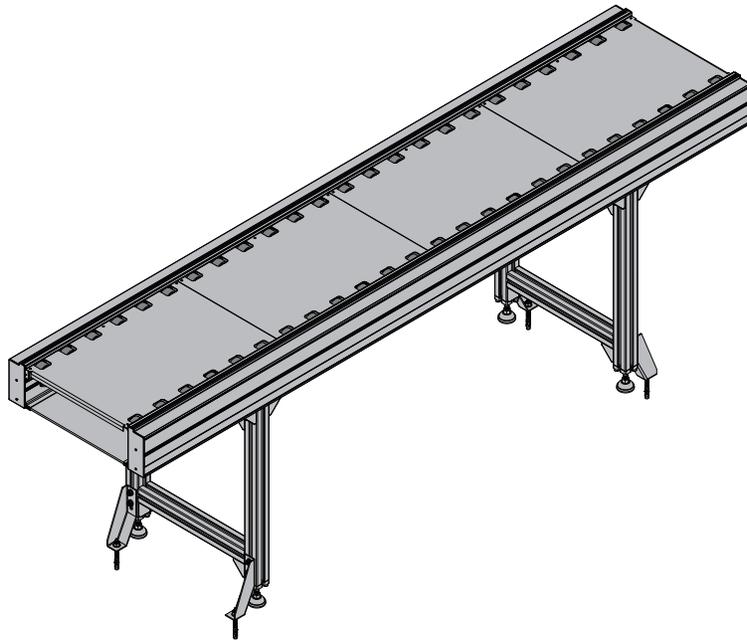
PRC---M12---V60---B_{WT}400---L_{WT}400---L2400---LA600---H800---N2---D---P100

PRC high speed poller conveyor---unit pallet max. total weight 12 kg---conveyor speed 60 m/min---pallet width 400 mm---pallet length 400 mm---conveyor length 2400 mm---unit length 600 mm---transport height 800 mm--- 2 sets of stand support---direct drive---roller spacing 100 mm.

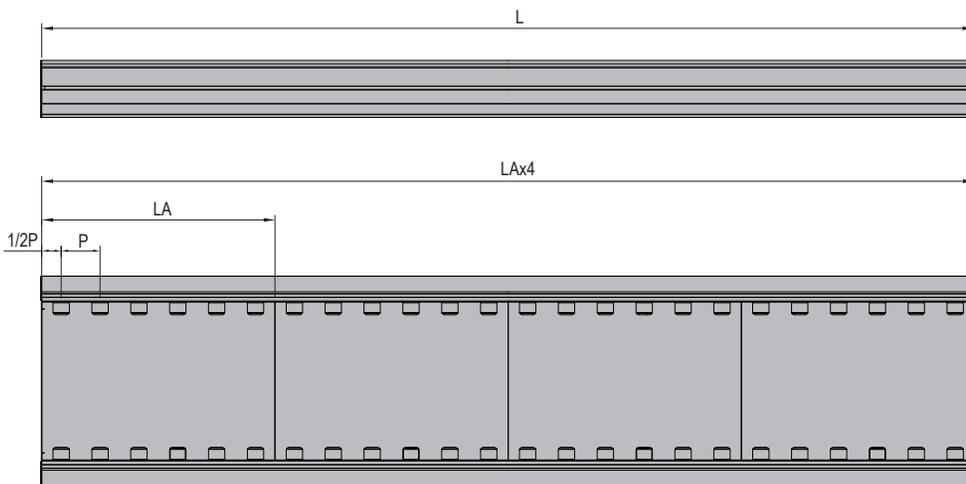
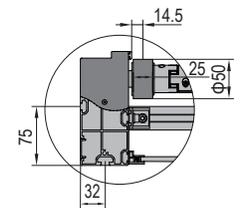
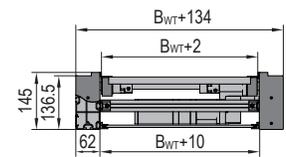
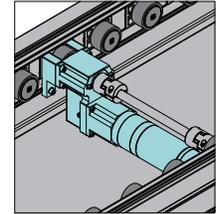


PRC/H High Speed Roller Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



Drive unit



⚠ Recommend to use Modular standard pallet WP2/R. For the pallet made by customers, we need to verify for the compatibility in advance. We won't provide quality assurance service if conveyor is damaged by pallets mismatch issues.

⚠ Unit motor can drives conveyor length, shorter form single drive length (LA) as related parameter is determined by such as pallet length, conveyor speed and pallet quality. (Detailing to see single length recommendation form.)

⚠ Ea.ch unit single drive conveying segment only permit conveying one pallet for each time

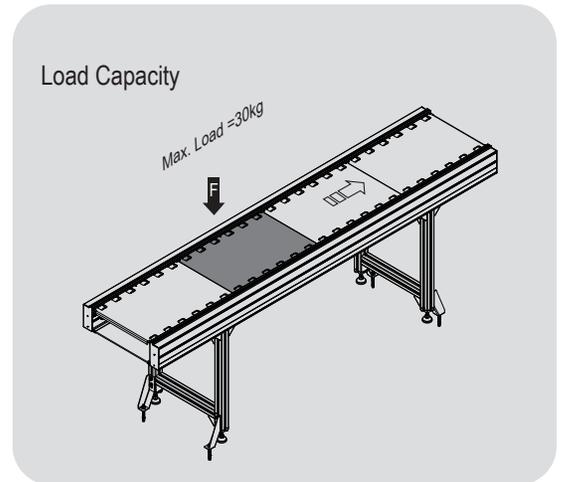
Unit driven length recommendation form

Unit pallet total weight (m)	20kg		25kg		30kg	
	40m/min	60m/min	40m/min	60m/min	40m/min	60m/min
320	500	600	500	600	500	600
400	500	600	500	600	500	600
480	600	700	600	700	600	700
640	800	900	800	900	800	900



Specifications

Conveyor Length	$L \geq 300\text{mm}$
Pallet Width	$320 \leq B_{WT} \leq 640\text{ mm}$
Pallet Length	$320 \leq L_{WT} \leq 640\text{ mm}$
Conveyor Height	Customer Specified
Unit Pallet Max. Total Weight	30 kg
Max. Conveyor Speed	$V_{\text{max.}} = 60\text{ m/min}$
Drive Medium	Belting Drive
Conveying Medium	Rubber Covered Roller
Roller Spacing	100 / 150 mm



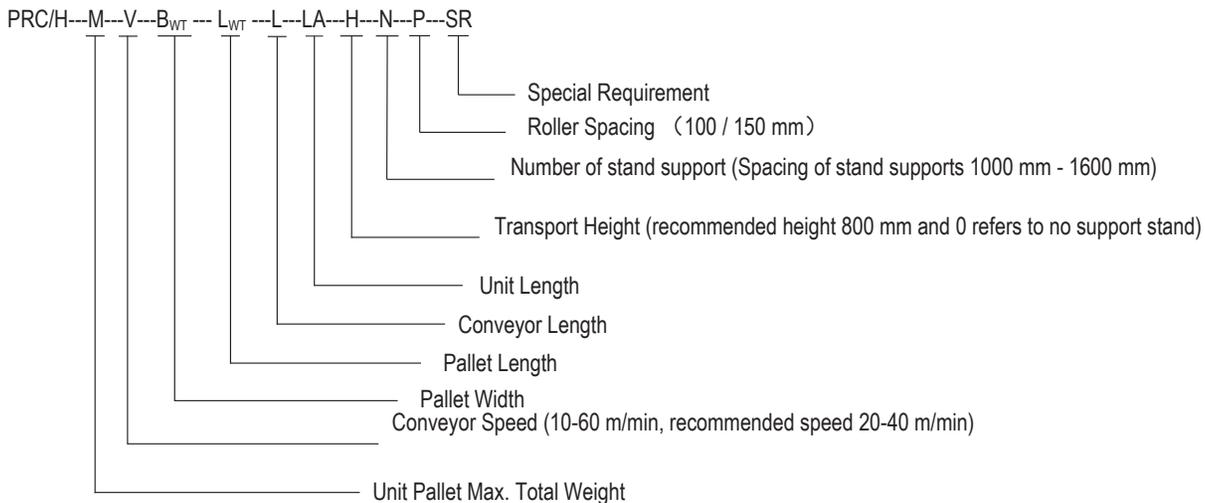
Features/Benefits

1. Modular design and Moulded parts with Flexible combination, it is excellent economy and short delivery time.
2. Advantages include high speed, high precision, high cleanliness, low energy consumption and collision-free.
3. It can be matching 90 degree bends, electric turntables, continuous hoists and other mechanisms application, achieve pallet automation warmly control.

Industries Served

It is suitable for conveying delicate materials that are easily damaged by vibration, such as new energy battery cells, electronic products etc.

Ordering Reference



Example:

PRC/H---M30---V60---B_{WT}400---L_{WT}400---L2400---LA600---H800---N2---P100

PRC/H high speed poller conveyor---unit pallet max. total weight 30kg---conveyor speed 60 m/min---pallet width 400 mm---pallet length 400 mm---conveyor length 2400 mm---unit length 600 mm---transport height 800 mm--- 2 sets of stand support---roller spacing 100 mm.



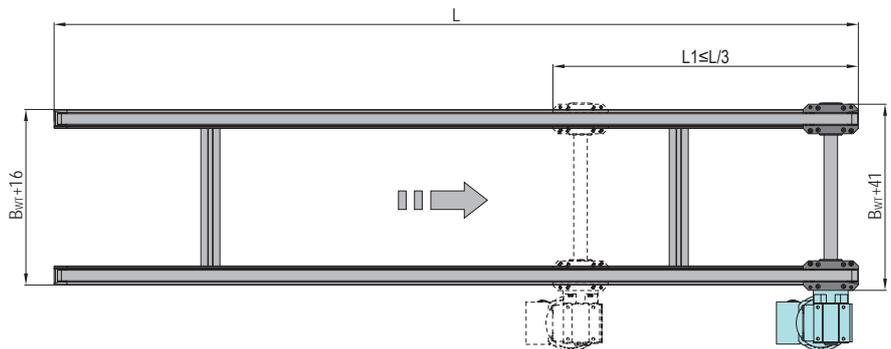
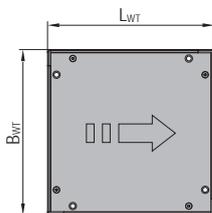
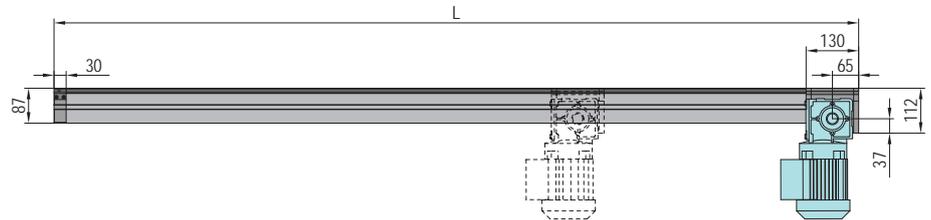
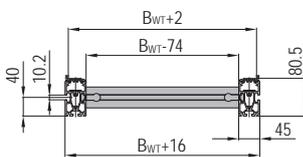
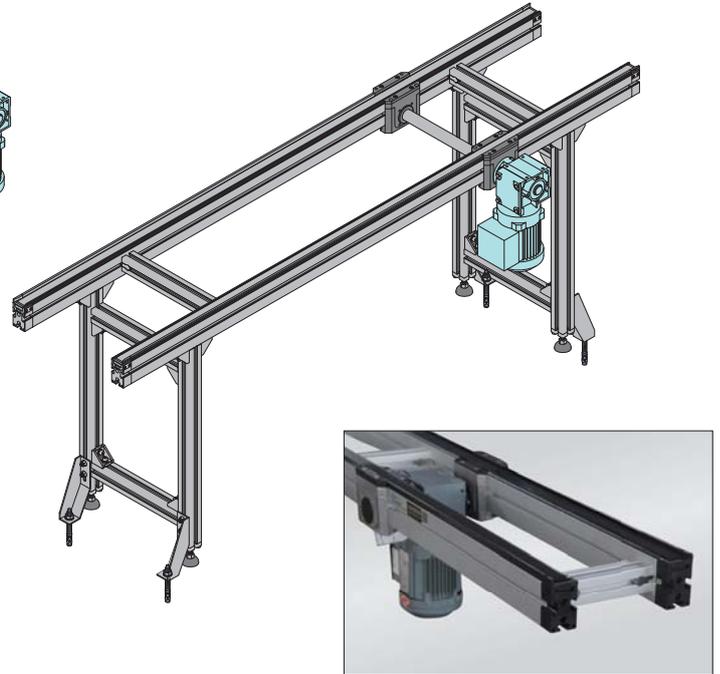
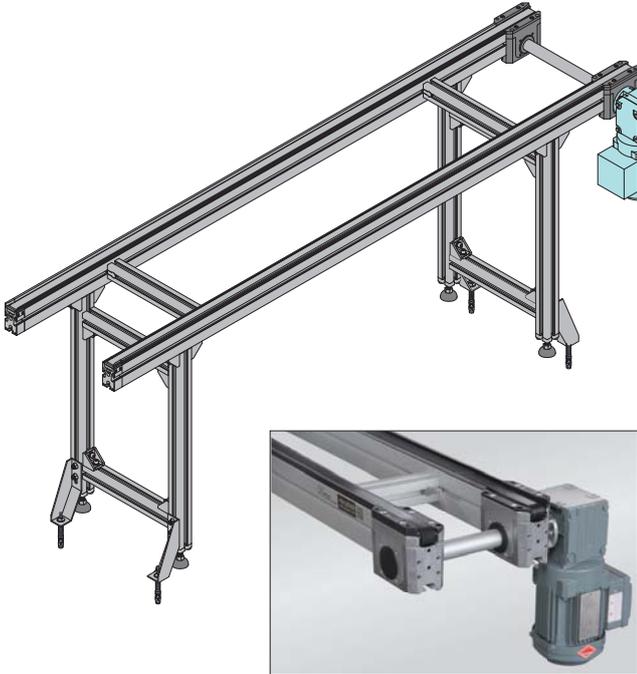
PTS1 Pallet Conveyor (End Drive/Center Drive)

 Delivery **15** Workday

 Please contact us for non-standard products

End Drive

Center Drive



-  To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.
-  Workpiece pallets should be conveyed toward a drive unit. Reversible operation will lower a third of conveying capacity.
-  When selecting center drive conveyor, the drive unit should be close to the conveyor end and within a third of conveyor length.
-  The length of conveyor body should be multiple of five. Pallet conveying width $B_{wt}+2$ tolerance range is $\pm 1\text{mm}$.



Specifications

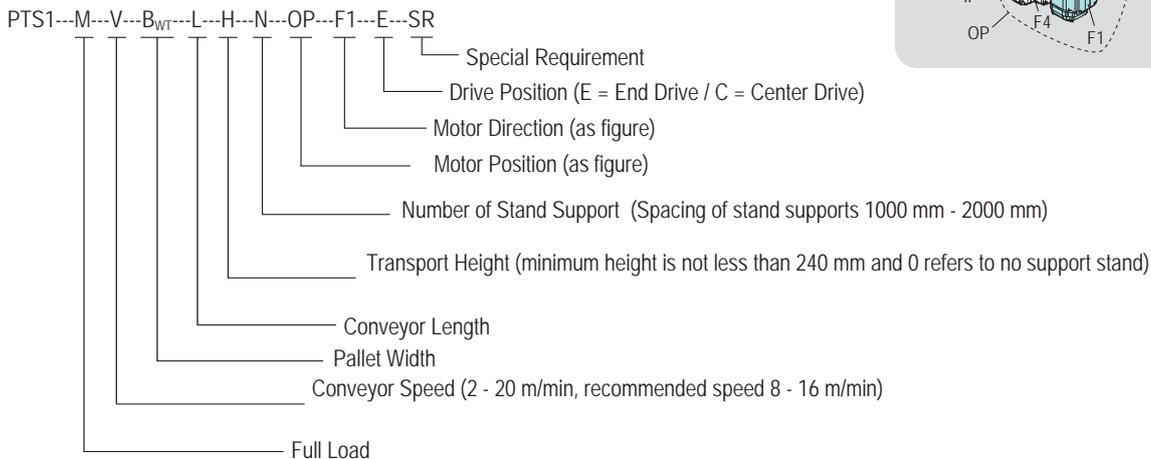
Conveyor Length	$400 \leq L \leq 6000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	60 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	Special toothed belt

Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.

Industries Served

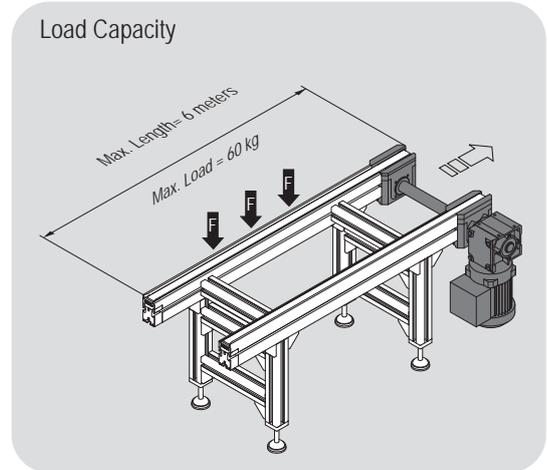
Factory Automation, Electronics, Automobile Parts etc.

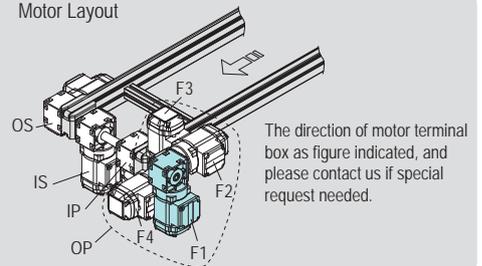
Ordering Reference


Example:

 PTS1---M30---V16---B_{WT}160---L2000---H800---N2---OP---F1---C300

PTS1 pallet conveyor---full load 30 kg---conveyor speed 16 m/min---pallet width 160 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---center drive, L1=300.


 Unit Load Capacity ≤ 1 kg/cm.

Motor Layout


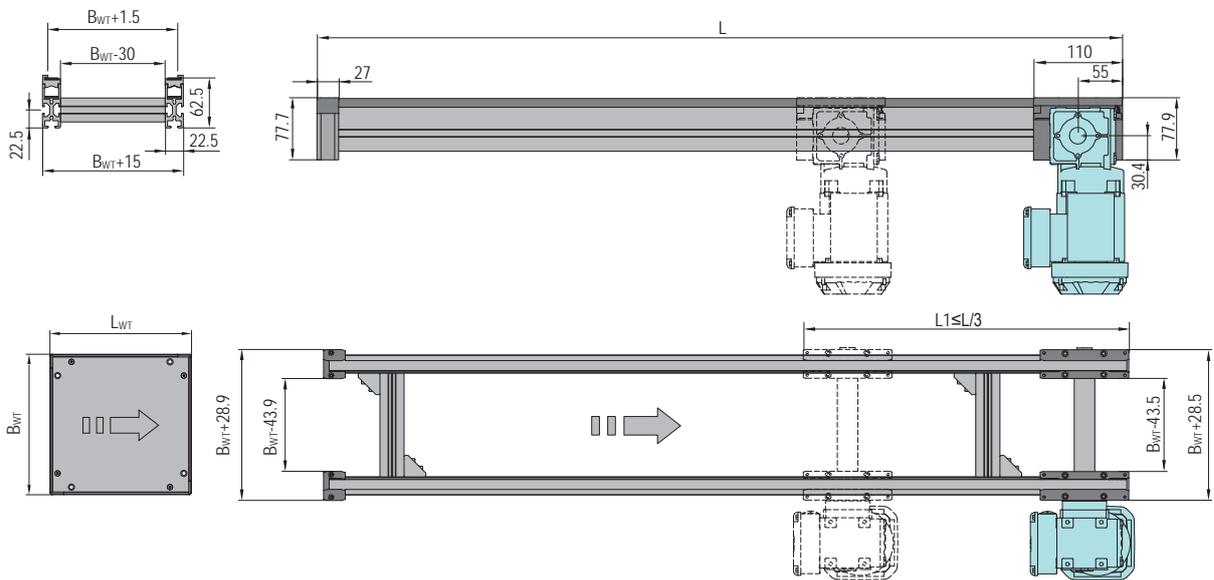
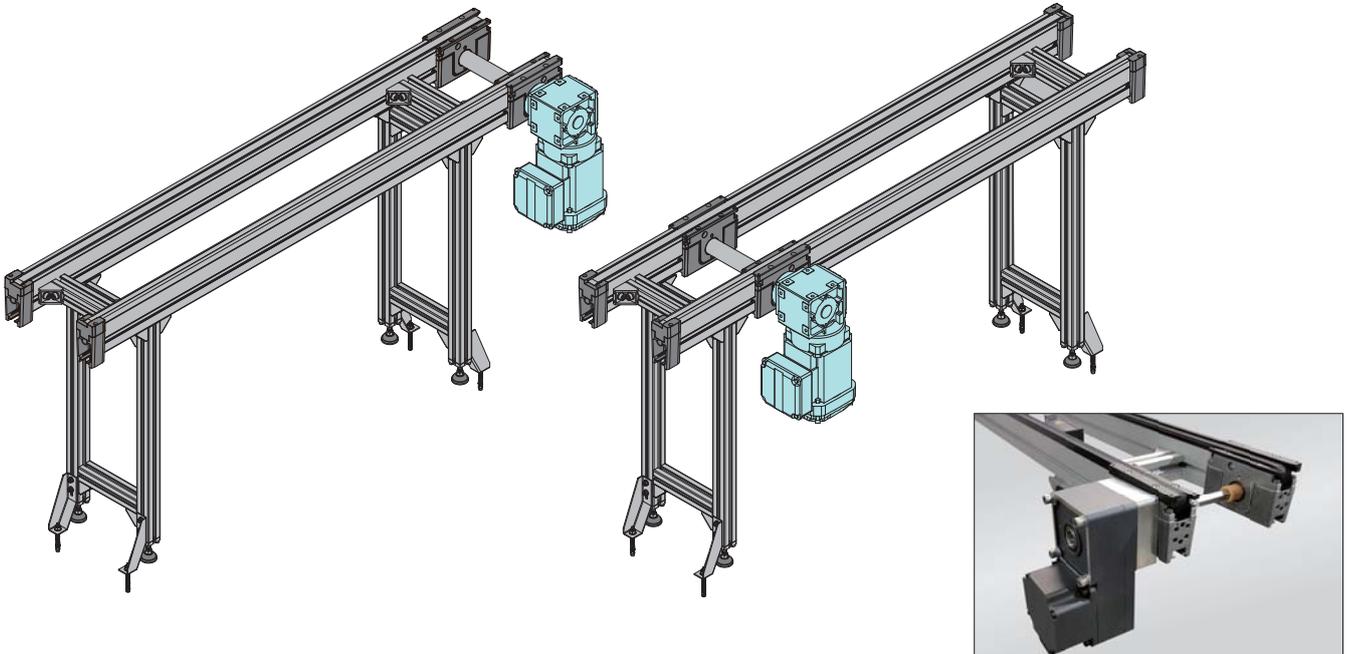
PTS1/L Pallet Conveyor

 Delivery **15** Workday

 Please contact us for non-standard products

End Drive

Center Drive



-  To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.
-  Workpiece pallets should be conveyed toward a drive unit. Reversible operation will lower a third of conveying capacity.
-  When selecting center drive conveyor, the drive unit should be close to the conveyor end and within a third of conveyor length.
-  The length of conveyor body should be multiple of five. Pallet conveying width $B_{WT}+1.5$ tolerance range is ± 1 mm.



Specifications

Conveyor Length	$250 \leq L \leq 5000$ mm
Pallet Width	$80 \leq B_{WT} \leq 720$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	30 kg
Max. Conveyor Speed	V max. = 18 m/min
Drive Model	Direct
Conveying Medium	Special toothed belt

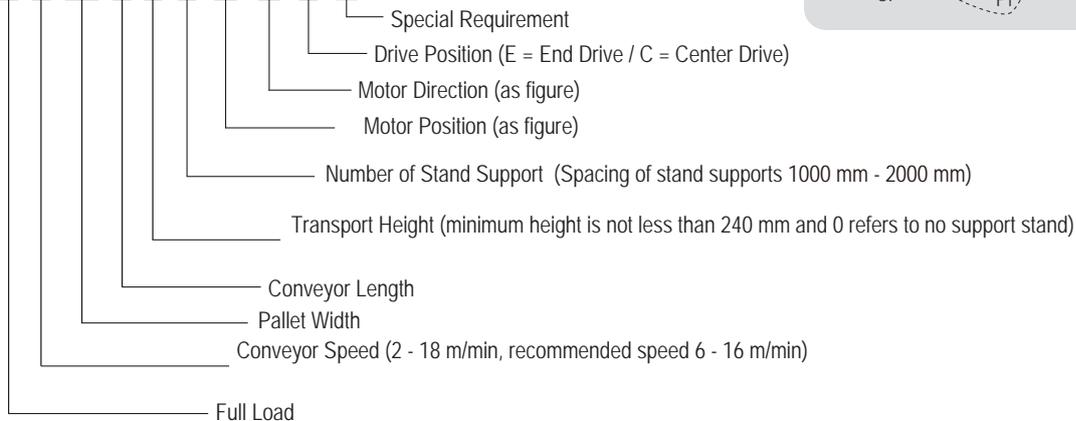
Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.

Industries Served

Factory Automation, Electronics, Automobile Parts etc.

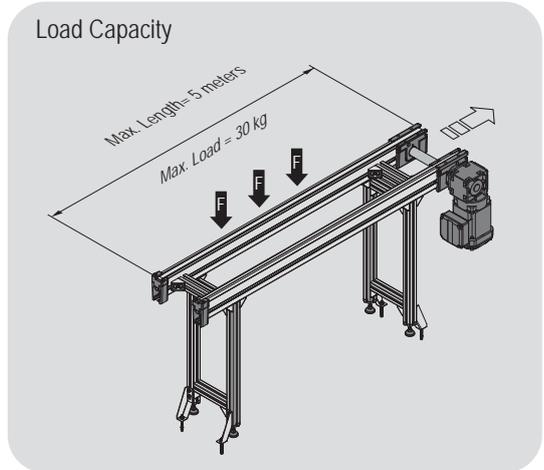
Ordering Reference

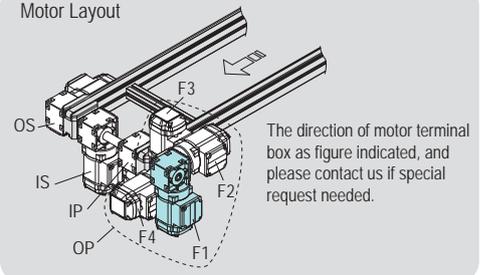
 PTS1/L---M---V---B_{WT}---L---H---N---OP---F1---E---SR


Example:

 PTS1/L---M30---V16---B_{WT}160---L2000---H800---N2---OP---F1---C300

PTS1/L pallet conveyor---full load 30 kg---conveyor speed 16 m/min---pallet width 160 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---center drive, L1=300.

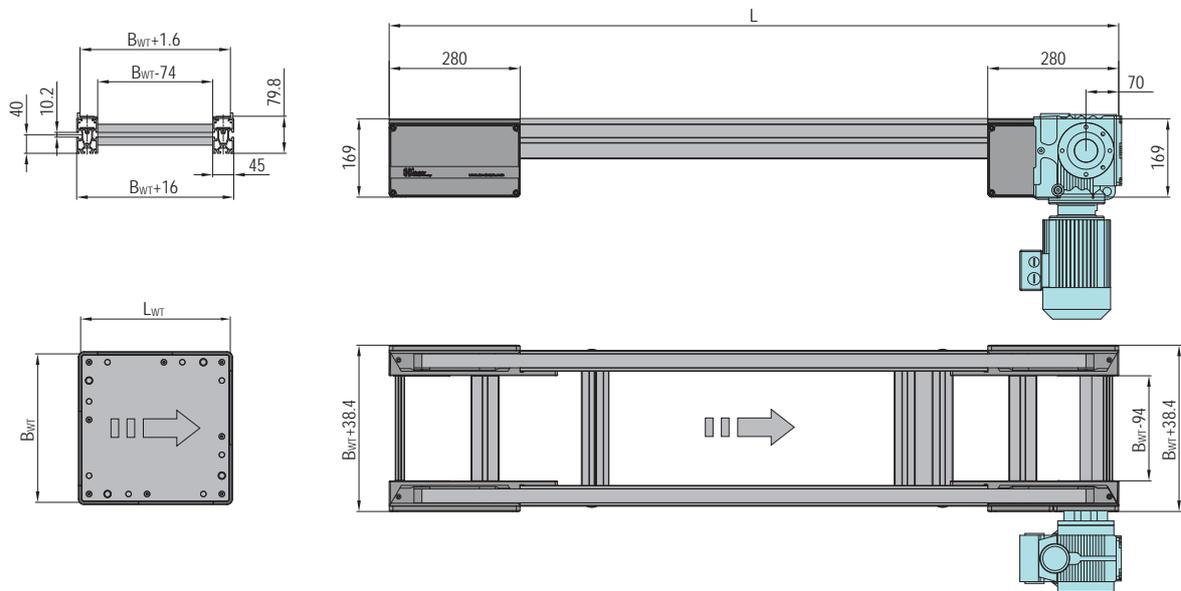
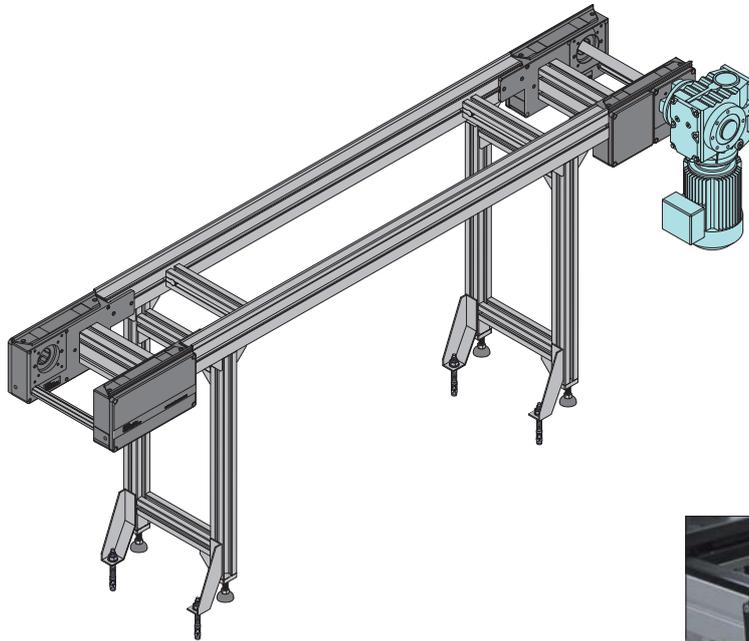

 Unit Load Capacity ≤ 0.2 kg/cm.

Motor Layout


PTS1/H Pallet Conveyor

 Delivery **15** Workday

 Please contact us for non-standard products



 Pallet conveying width $B_{WT}+1.6$ tolerance range is ± 1 mm. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

 Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.

Specifications

Conveyor Length	$1200 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	150 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	Nylon base belt

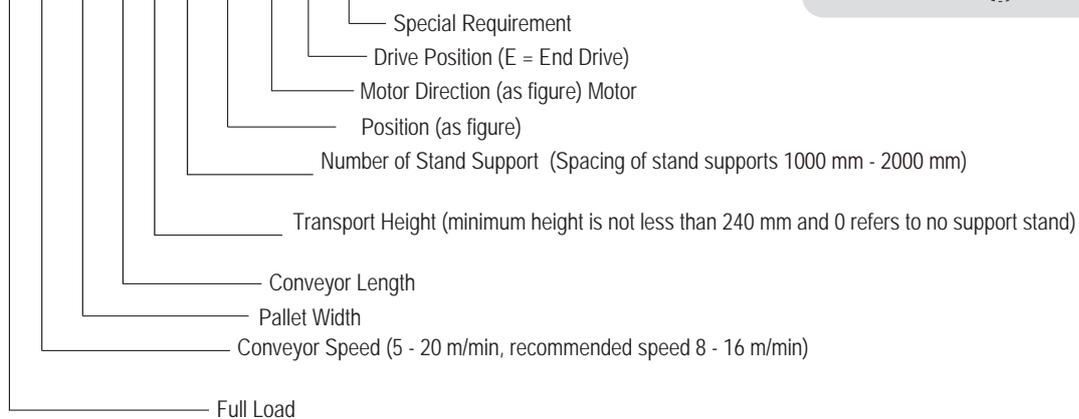
Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic nylon base belt.

Industries Served

Factory Automation, Electronics, Automobile Parts etc.

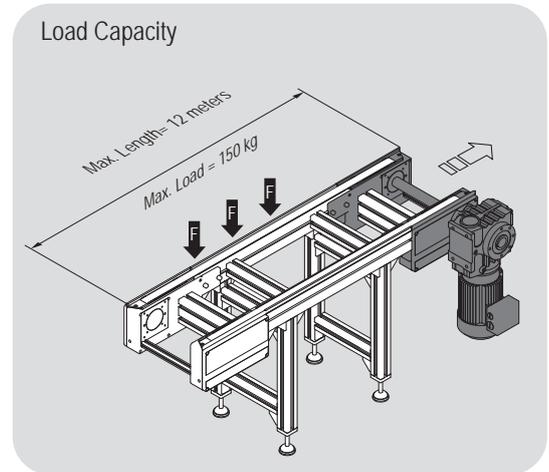
Ordering Reference

 PTS1/H---M---V---B_{WT}---L---H---N---OP---F1---E---SR


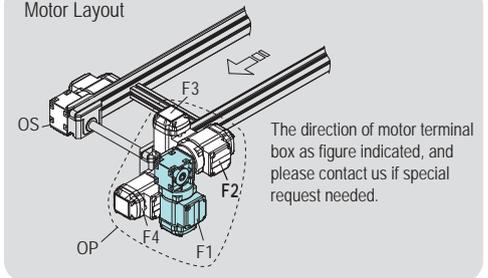
Example:

 PTS1/H---M30---V16---B_{WT}160---L2000---H800---N2---OP---F1---E

PTS1/H pallet conveyor---full load 30 kg---conveyor speed 16 m/min---pallet width 160 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---end drive.

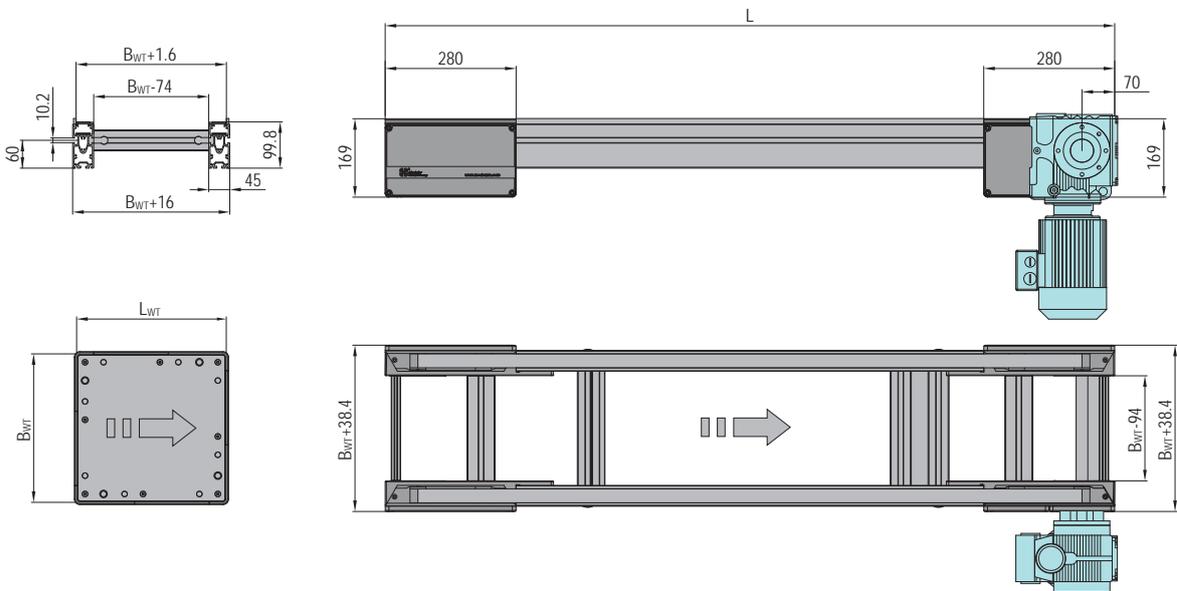
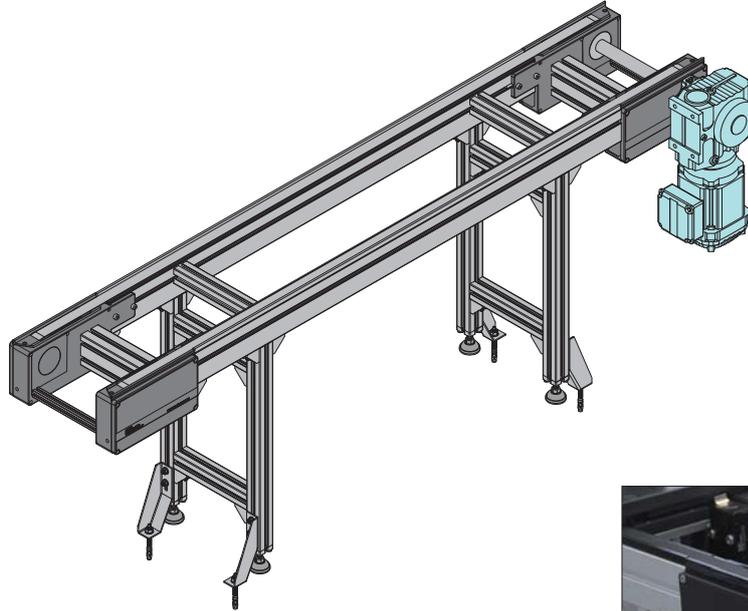

 Unit Load Capacity ≤ 1 kg/cm.

Motor Layout



PTS1/HS Pallet Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



 Pallet conveying width $B_{WT}+1.6$ tolerance range is ± 1 mm. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

 Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.

Specifications

Conveyor Length	$1200 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	250 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	Nylon base belt

Features/Benefits

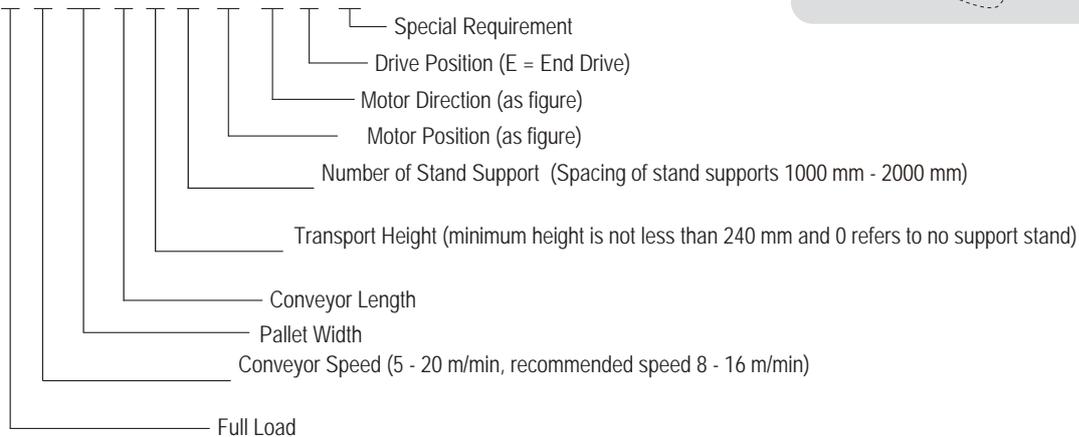
1. Modular design, part production in mold, easy to assemble and maintenance.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic nylon base belt.

Industries Served

Factory Automation, Electronics, Automobile Parts etc.

Ordering Reference

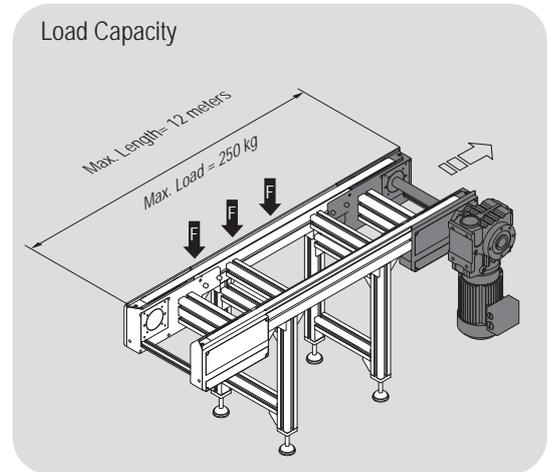
PTS1/HS---M---V---B_{WT}---L---H---N---OP---F1---E---SR



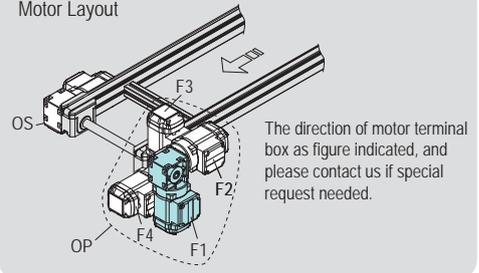
Example

PTS1/HS---M200---V16---B_{WT}160---L2000---H800---N2---OP---F1---E

PTS1/HS pallet conveyor---full load 200 kg---conveyor speed 16 m/min---pallet width 160 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---end drive



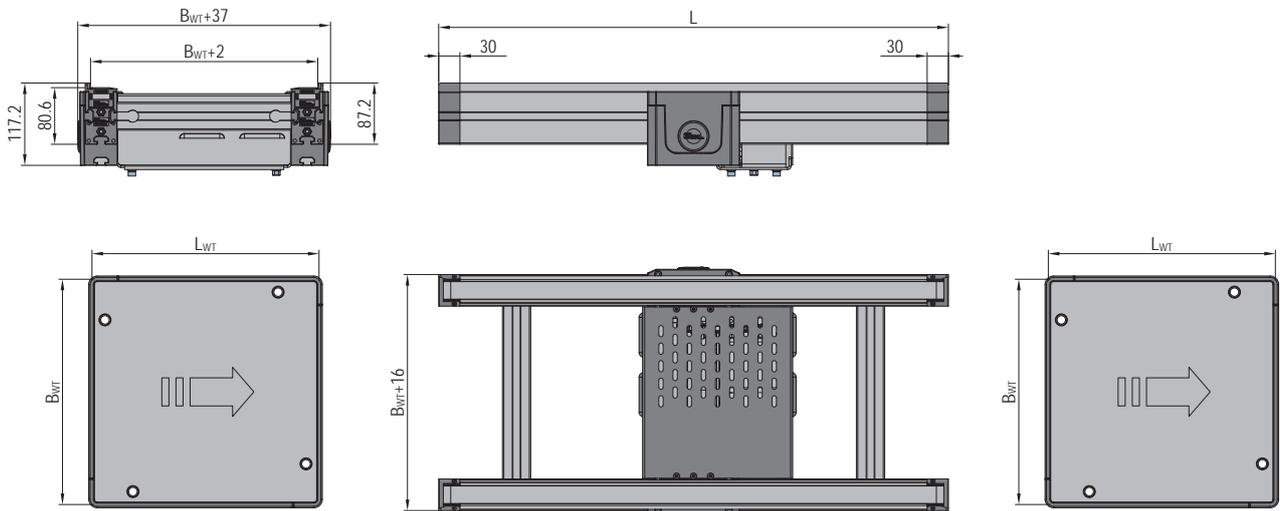
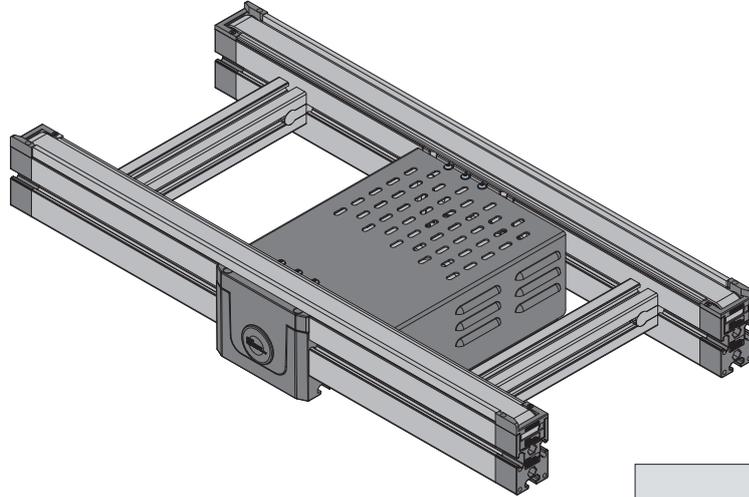
Unit Load Capacity ≤ 1 kg/cm.

Motor Layout


PTS1/MS Pallet Conveyor

 Delivery **15** Workday

 Please contact us for non-standard products



⚠ To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

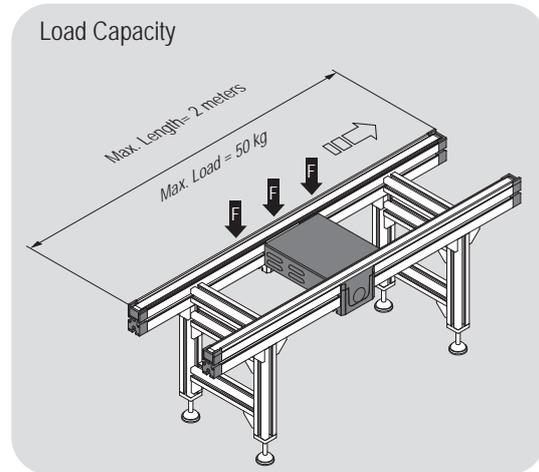
⚠ Could be conveyed in reverse direction with total load capacity 50 kg max.

⚠ The length of conveyor body should be multiple of five . Pallet conveying width $B_{WT}+2$ tolerance range is ± 1 mm.



Specifications

Conveyor Length	$190 \leq L \leq 2000$ mm
Pallet Width	$160 \leq B_{WT} \leq 640$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	50 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Indirect
Conveying Medium	Special toothed belt



Unit Load Capacity ≤ 1 kg/cm.

Features/Benefits

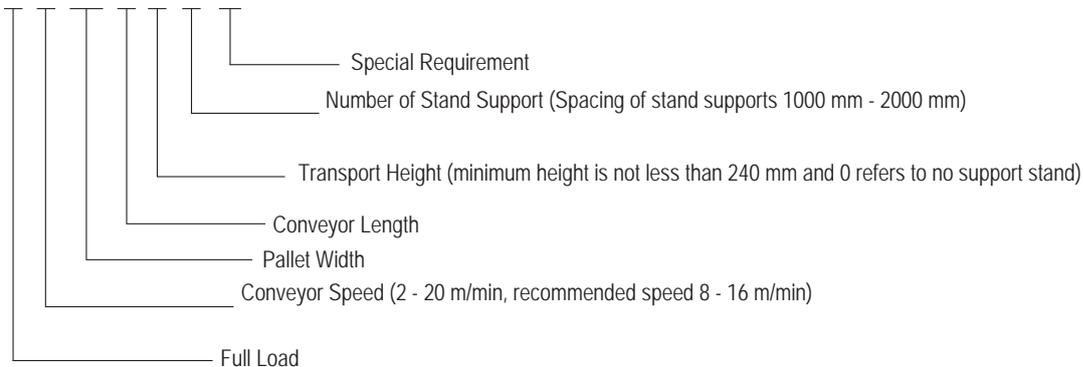
1. Modular design, part production in mold, easy to assemble and maintenance.
2. PTS1/MS conveyor could be used in conjunction with lift and transverse unit, rotate unit and lift unit etc.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.
5. To work with WP2/S, WP2/E or WP2/C.

Industries Served

Factory Automation, Electronics, Automobile Parts etc.

Ordering Reference

PTS1/MS---M---V---B_{WT}---L---H---N---SR



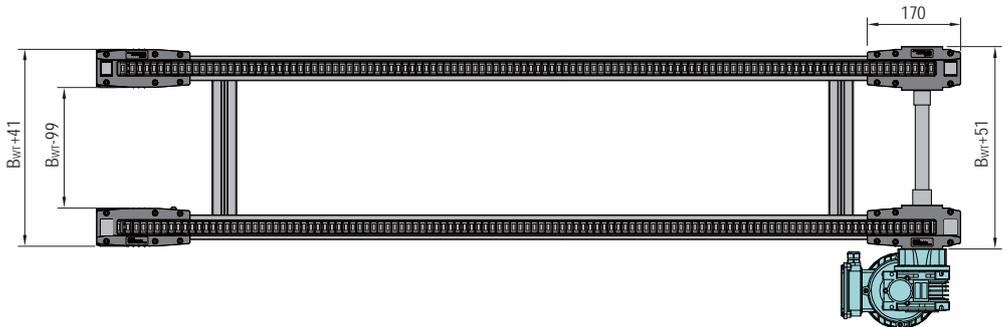
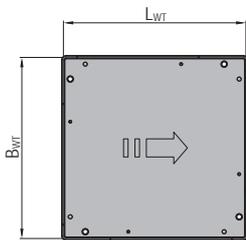
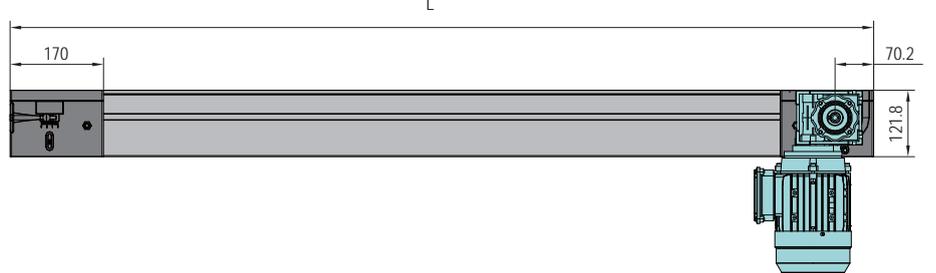
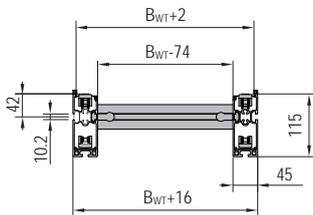
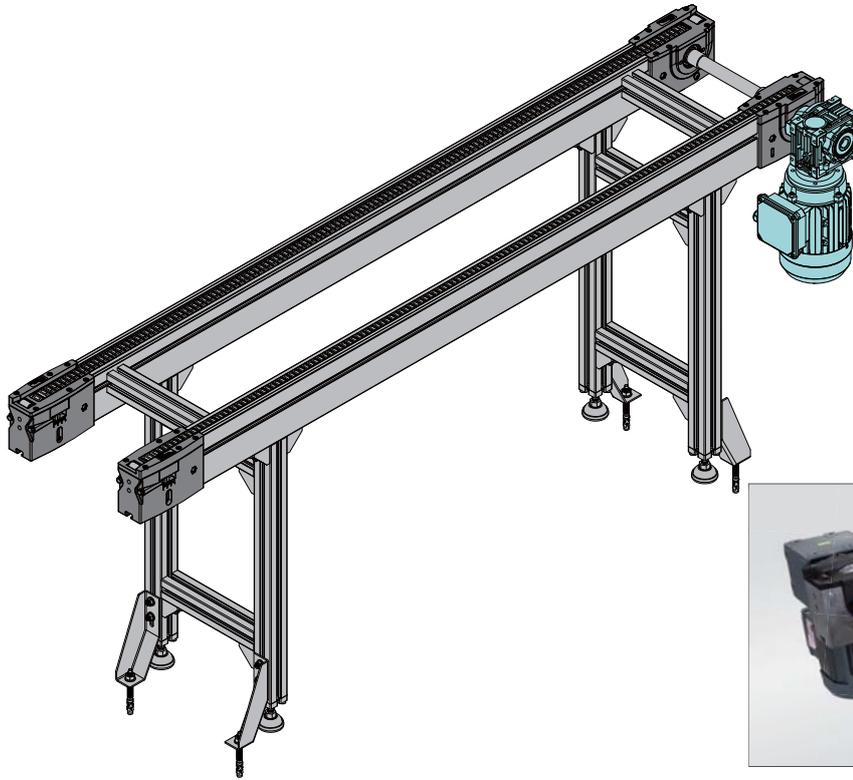
Example:

PTS1/MS---M30---V16---B_{WT}160---L2000---H800---N2

PTS1/MS pallet conveyor---full load 30 kg---conveyor speed 16 m/min---pallet width 160mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports

FTC40 Pallet Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



 Pallet conveying width B_{WT+2} tolerance range is $\pm 1\text{mm}$. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

 Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.



Specifications

Conveyor Length	$600 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	250 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	Top-placed roller chain

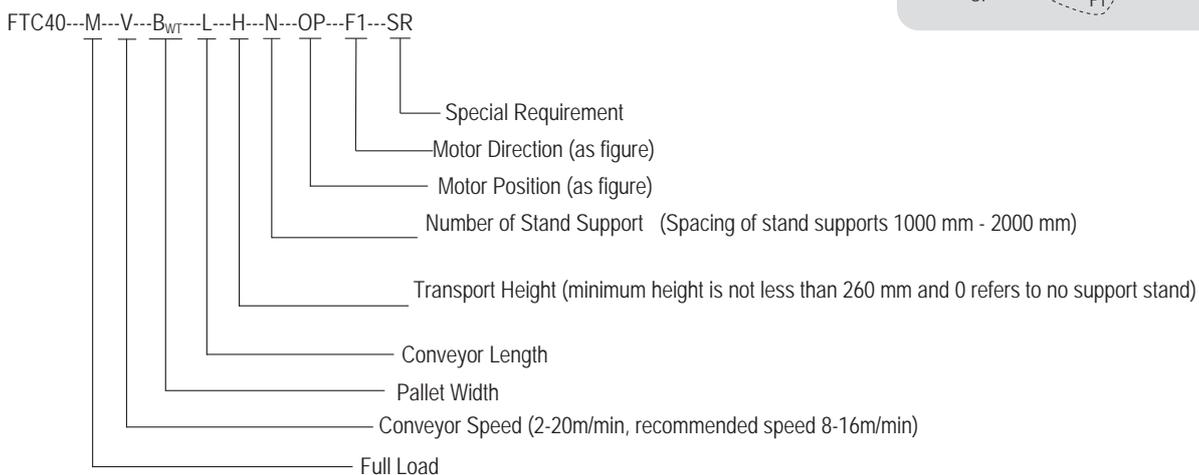
Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

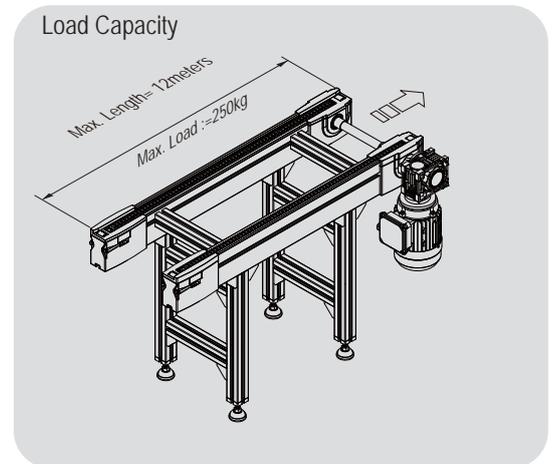
Ordering Reference



Example:

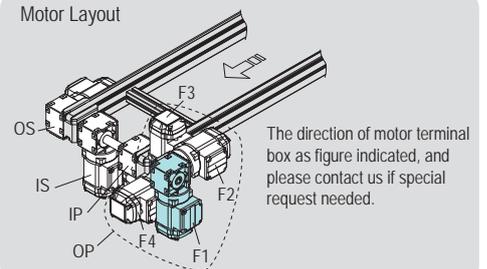
FTC40---M100---V16---B_{WT}320---L2000---H800---N2---OP---F1

FTC40 pallet conveyor---full load 100 kg---conveyor speed 16 m/min---pallet width 320 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1



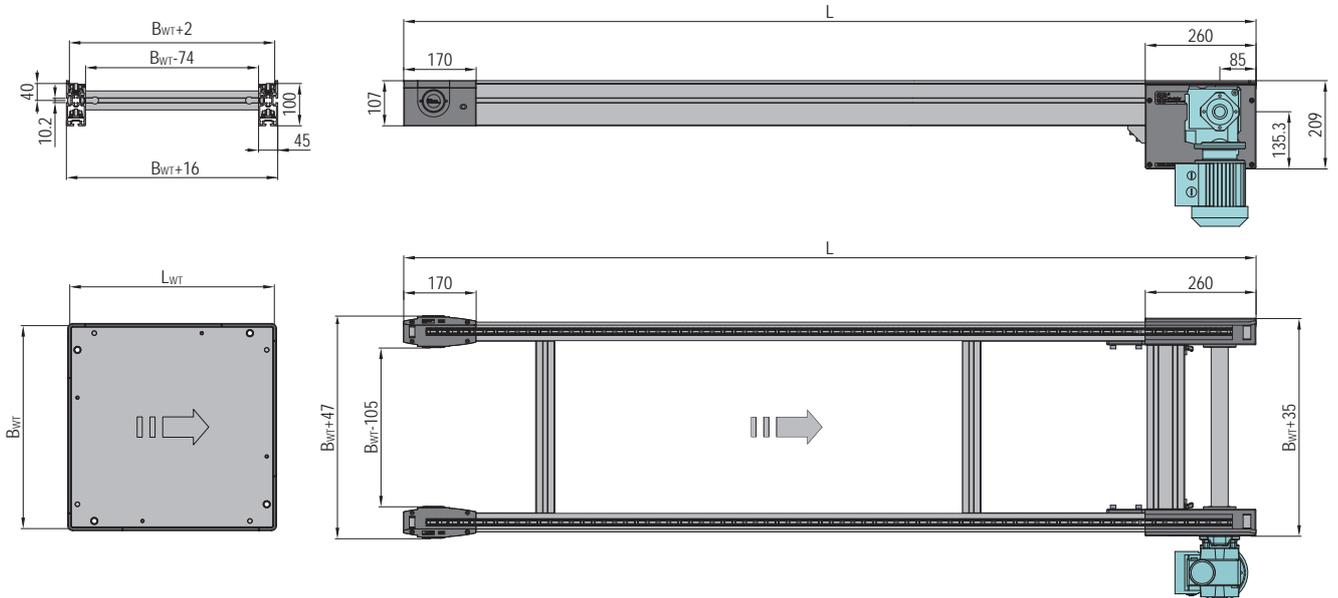
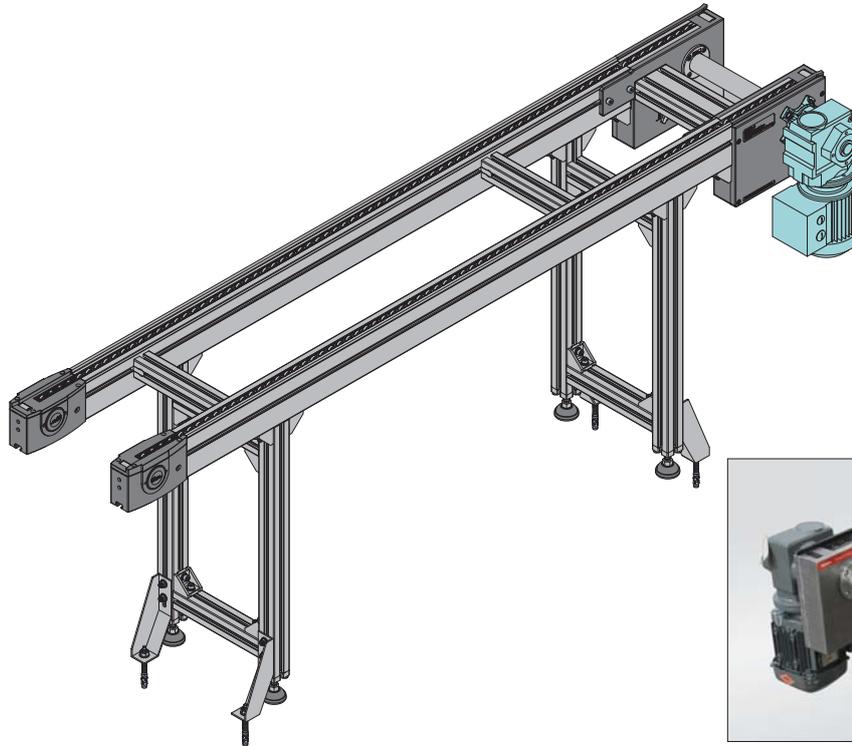
Unit Load Capacity ≤ 1.0 kg/cm

Motor Layout



PTS2 Pallet Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



 Pallet conveying width $B_{WT}+2$ tolerance range is $\pm 1\text{mm}$. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

 Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.



Specifications

Conveyor Length	$600 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	OP, OS = 2200 kg IP, IS = 800 kg
Max. Conveyor Speed	V max. = 20 m/min ¹⁾
Drive Model	Direct
Conveying Medium	08BS Accumulation Chain

¹⁾When $V \geq 18$ m/min, the max. load capacity will decrease to 1800 kg

Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance. For middle and big load conveying.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

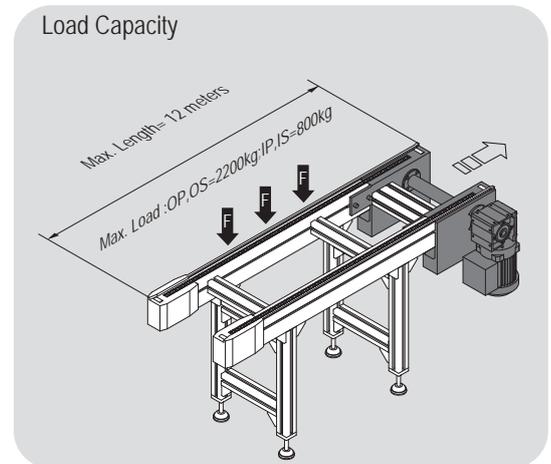
Ordering Reference



Example:

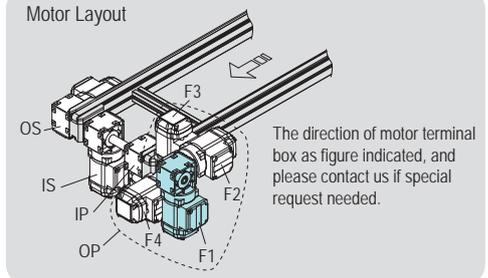
PTS2---M300---V16---B_{WT}160---L2000---H800---N2---OP---F1---C1---A0

PTS2 pallet conveyor---full load 300 kg---conveyor speed 16 m/min---pallet width 160 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---steel chain---without chain cover



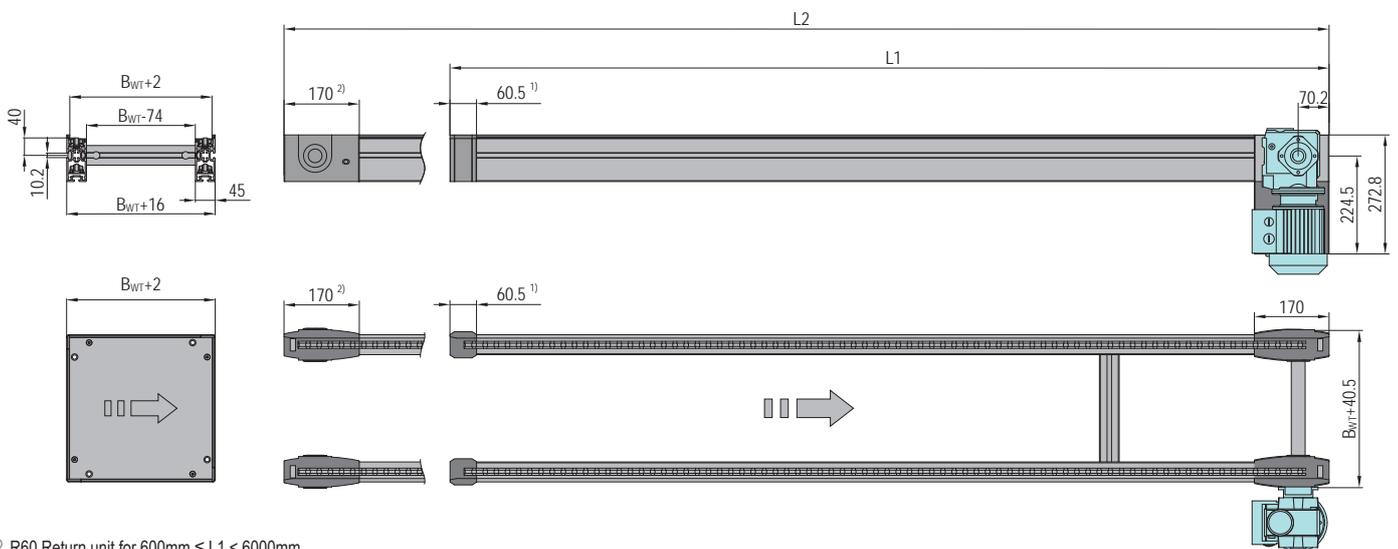
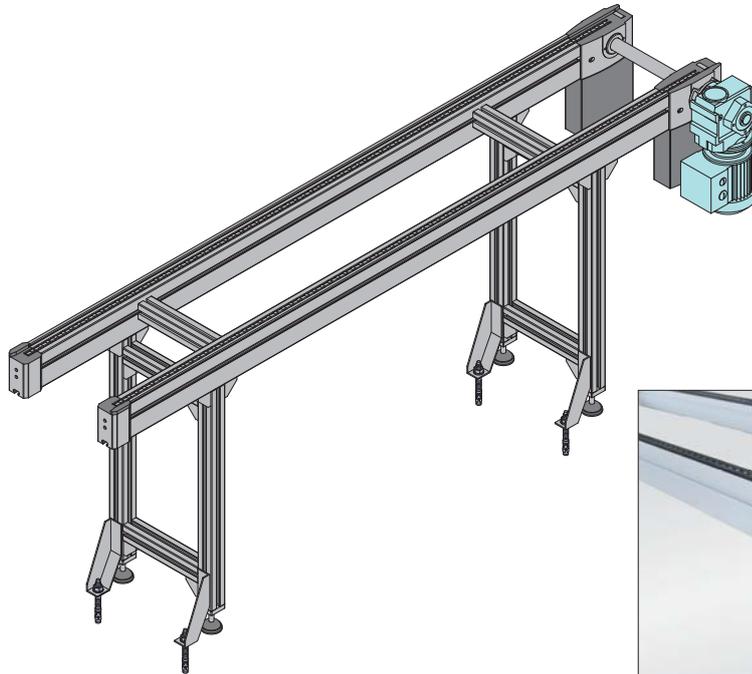
Unit Load Capacity ≤ 2.0 kg/cm

Motor Layout



PTS2/L Pallet Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



¹⁾ R60 Return unit for 600mm ≤ L1 < 6000mm

²⁾ R170 Return unit for 6000mm ≤ L1 < 12000mm

 Pallet conveying width $B_{WT}+2$ tolerance range is ± 1 mm. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

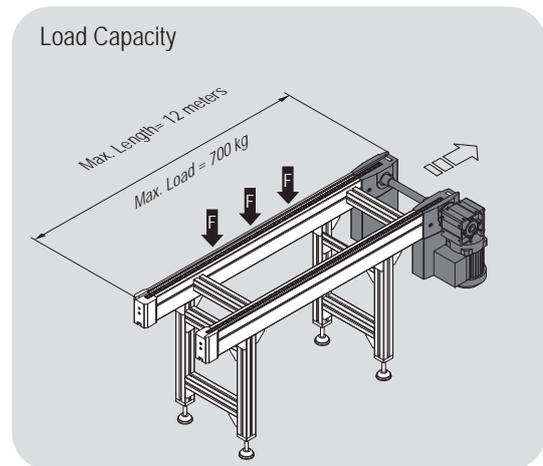
 Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.

 It could be conveyed in forward and reverse direction with customized drive unit when the length is 2000 mm max and load capacity 300 kg max.



Specifications

Conveyor Length	$600 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	700 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	08BS Accumulation Chain



Unit Load Capacity: ≤ 2.0 kg/cm (Steel chain)
 ≤ 1.5 kg/cm (Nylon wheel chain)

Features/Benefits

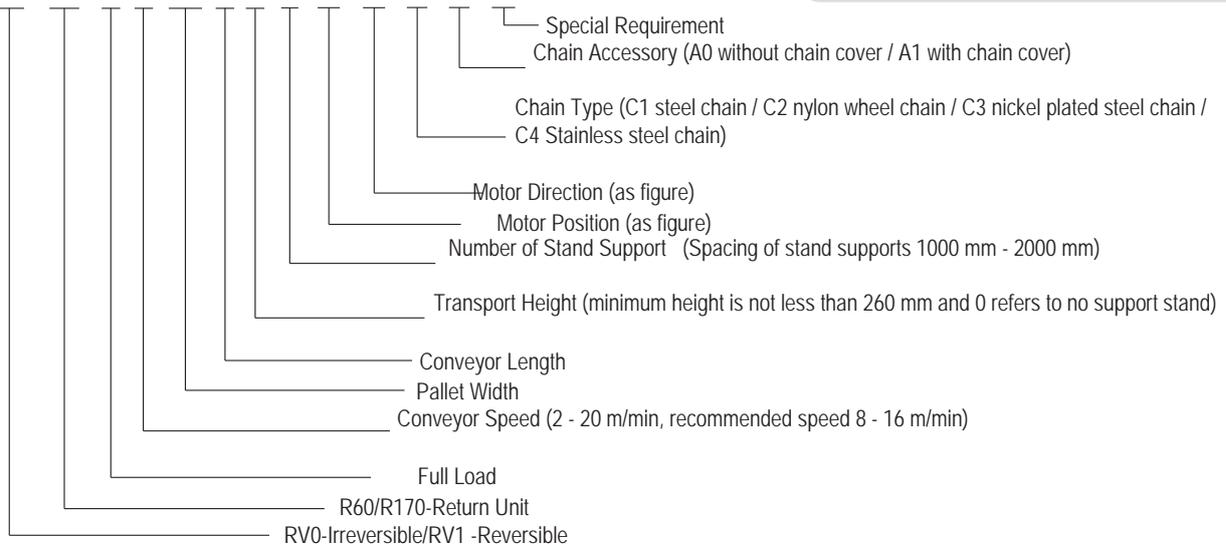
1. Modular design, part production in mold, easy to assemble and maintenance. For middle and big load conveying.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

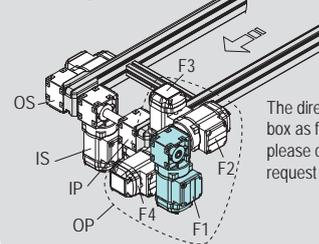
Ordering Reference

PTS2/L---RV0---R60---M---V---B_{WT}---L---H---N---OP---F1---C1---A0---SR



PTS2/L---RV0---R60---M300---V16---B_{WT}320---L2000---H800---N2---OP---F1---C1---A0

PTS2/L pallet conveyor---irreversible---return unit---full load 300 kg---conveyor speed 16 m/min---pallet width 160mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---steel chain---without chain cover

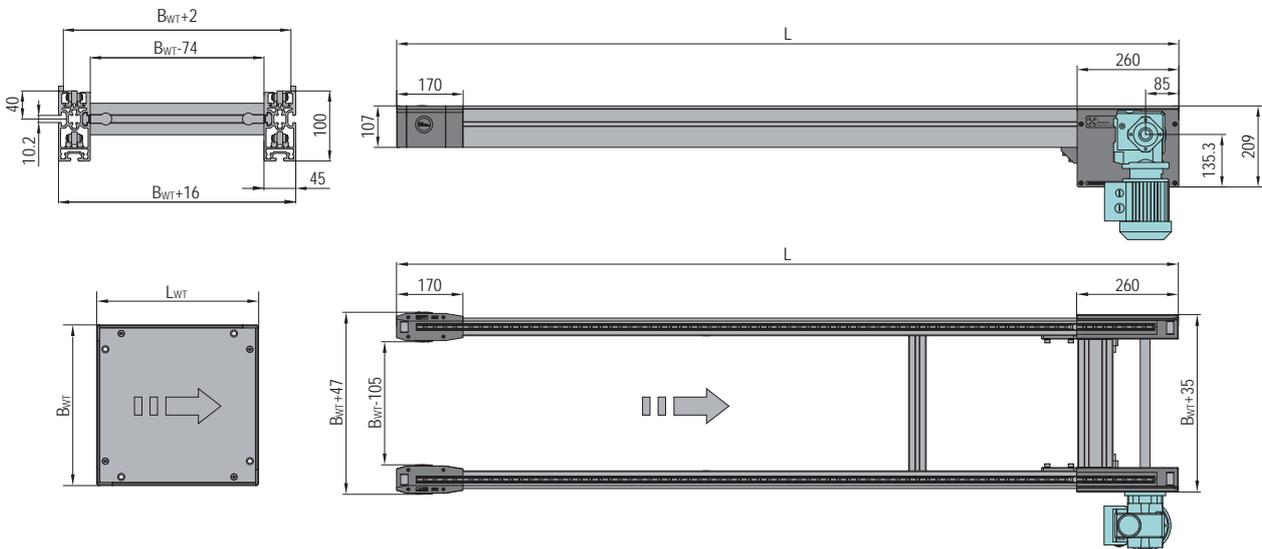
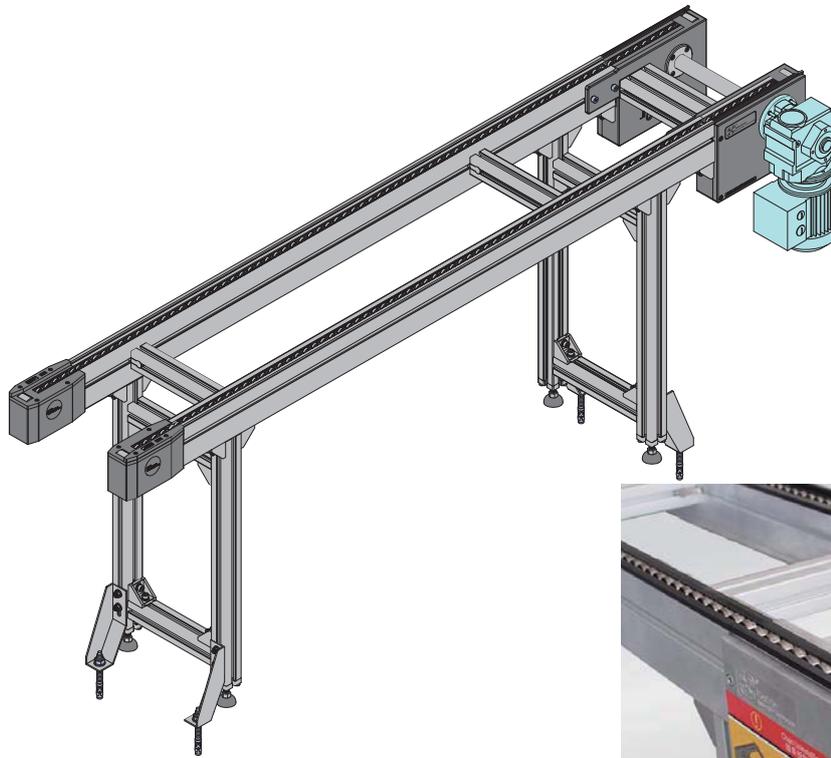
Motor Layout


The direction of motor terminal box as figure indicated, and please contact us if special request needed.



PTS2/D 2.5BS Chain Pallet Conveyor

 Delivery **15** Workday
 Please contact us for non-standard products



-  The theoretical maximum conveying speed of the pallet is 2.5 times of the rated conveying speed of the chain is the value (it depends on the load capacity, chain wearing, lubrication and length of the acceleration section.)
-  Pallet conveying width $B_{WT}+2$ tolerance range is $\pm 1\text{mm}$. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.
-  Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.



Specifications

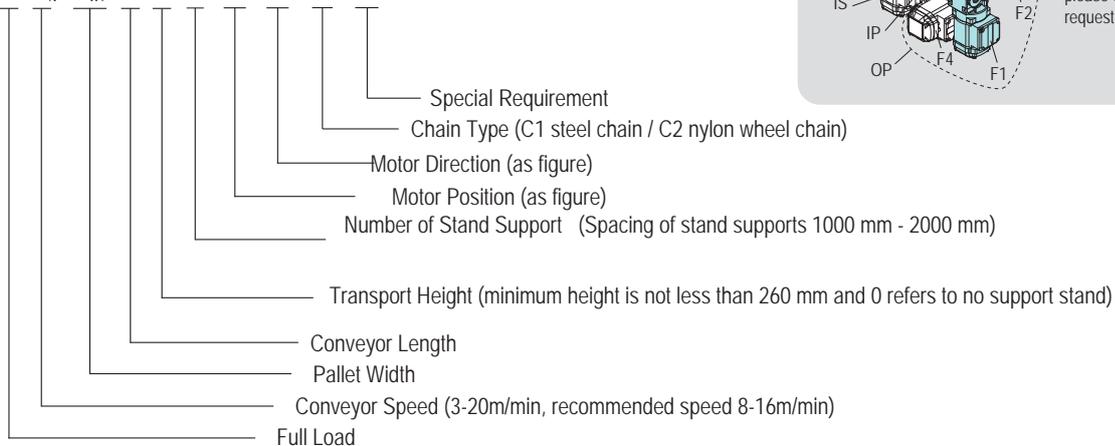
Conveyor Length	$600 \leq L \leq 12000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	OP, OS = 1800 kg (Steel chain) OP, OS = 1000 kg (Nylon chain) IP, IS = 800 kg
Max. Conveyor Speed	$V_N \text{ max.} = 20$ m/min ¹⁾
Drive Model	Direct
Conveying Medium	2.5BS Accumulation Chain

¹⁾ The rated conveying speed of the chain is the value of V_N . When the V_N is more than 9 m/min, the max load capacity will be decreased to 1500 kg. The effect brought out by high dynamic load shall be considered. Pneumatic damper and pneumatic damping stop are selected according to pallet conveying speed. Before entering the curved line, the pallet running speed is 18 m/min max.

Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance. For middle and big load conveying.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. For the same pallet conveying speed, the low chain speed of PTS2/D will be conducive to reduce the wearing degree and the stationarity is better.
4. Pallet with PE wear pad shall be used. Pneumatic damper and pneumatic damper stop are also needed for stopping the pallet.

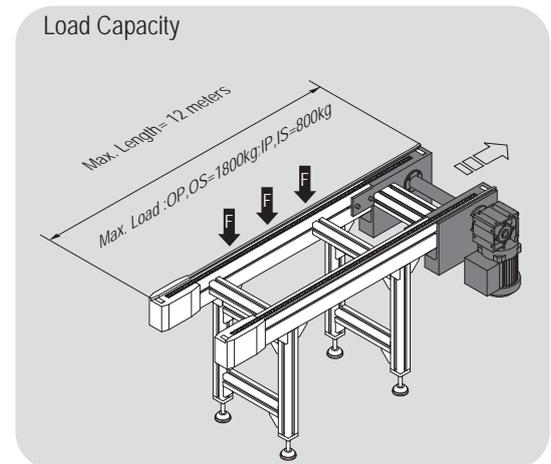
Ordering Reference

 PTS2/D---M---V_N---B_{WT}---L---H---N---OP---F1---C1---SR


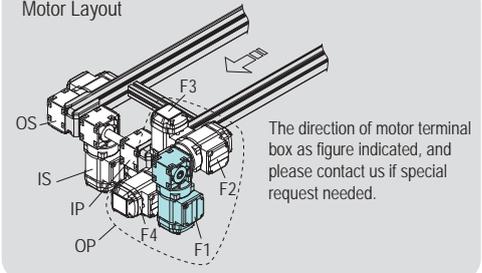
Example:

 PTS2/D---M300---V_N9---B_{WT}320---L2000---H800---N2---OP---F1---C1

PTS2/D pallet conveyor---full load 300 kg---conveyor speed 9 m/min---pallet width 320 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---steel chain---without chain cover



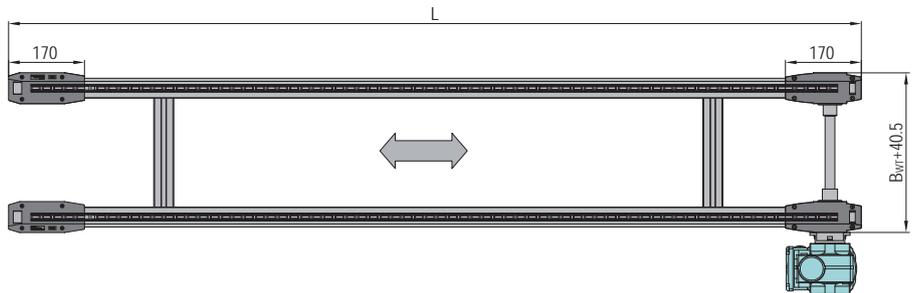
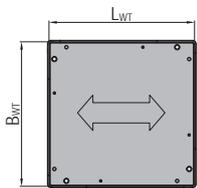
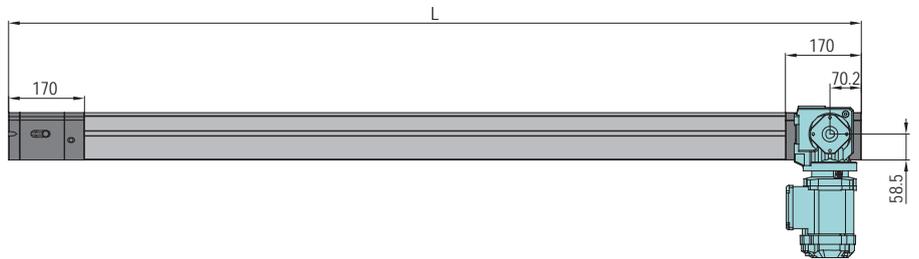
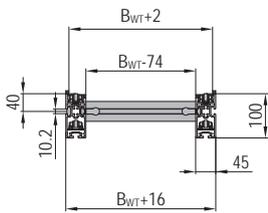
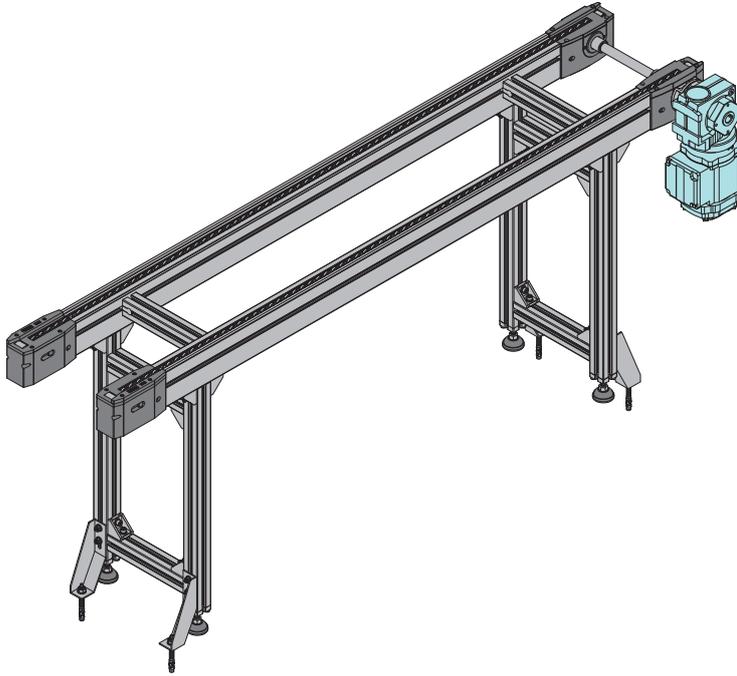
Unit Load Capacity: ≤ 1.5 kg/cm (Steel chain),
 ≤ 0.8 kg/cm (Nylon chain).

Motor Layout


PTS2/R Pallet Conveyor

 Delivery **15** Workday

 Please contact us for non-standard products



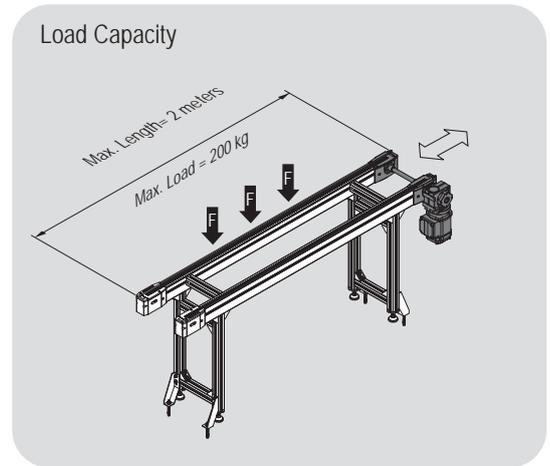
 Pallet conveying width $B_{wr}+2$ tolerance range is $\pm 1\text{mm}$. To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.

 The conveyor can run in forward or reverse direction when the length is not more than 2000 mm and the total load is not more than 200 kg.



Specifications

Conveyor Length	$600 \leq L \leq 2000$ mm
Pallet Width	$160 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	200 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Direct
Conveying Medium	08BS Accumulation Chain



Features/Benefits

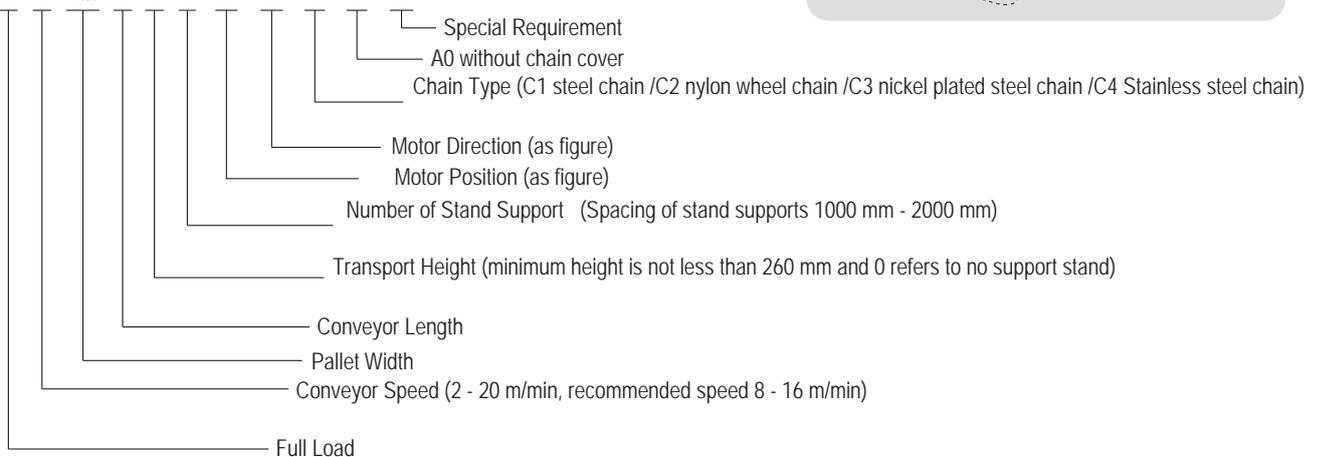
1. Modular design, part production in mold, easy to assemble and maintenance. For middle and big load conveying.
2. Due to its modular components, it can be adapted to suit specific production conditions and in conjunction with specific units including rotate unit, curve, lift and transverse unit and lift unit.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

Ordering Reference

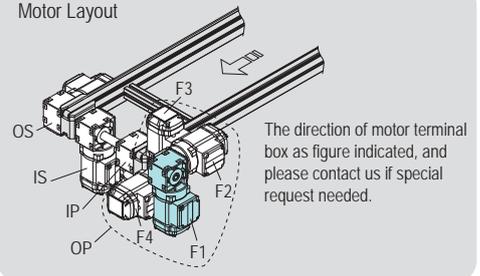
PTS2/R---M---V---B_{WT}---L---H---N---OP---F1---C1---A0---SR



PTS2/R---M200---V16---B_{WT}320---L2000---H800---N2---OP---F1---C1---A0

PTS2/R pallet conveyor---full load 200 kg---conveyor speed 16 m/min---pallet width 160mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---steel chain---without chain cover

Motor Layout



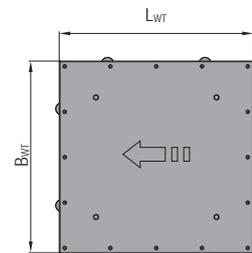
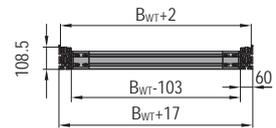
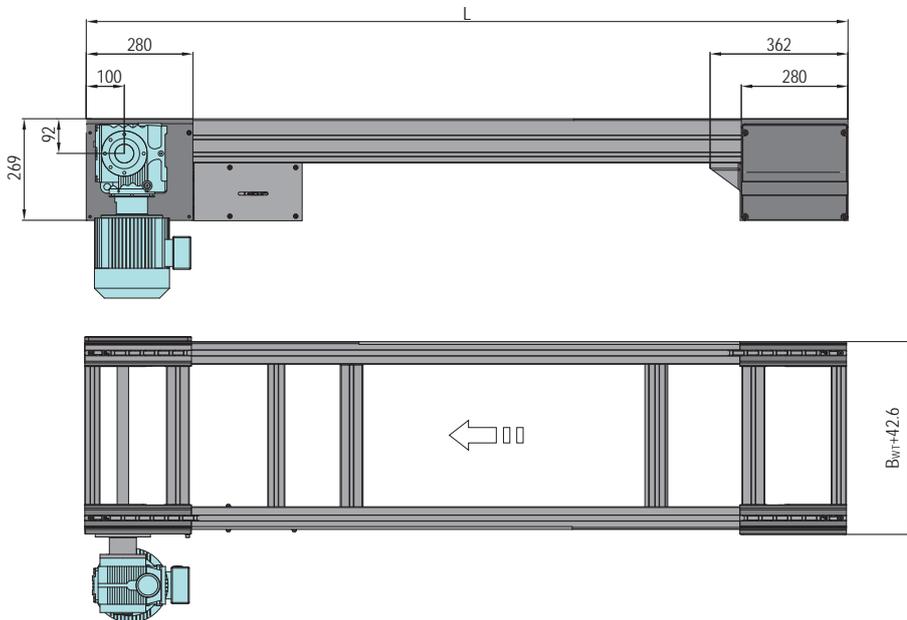
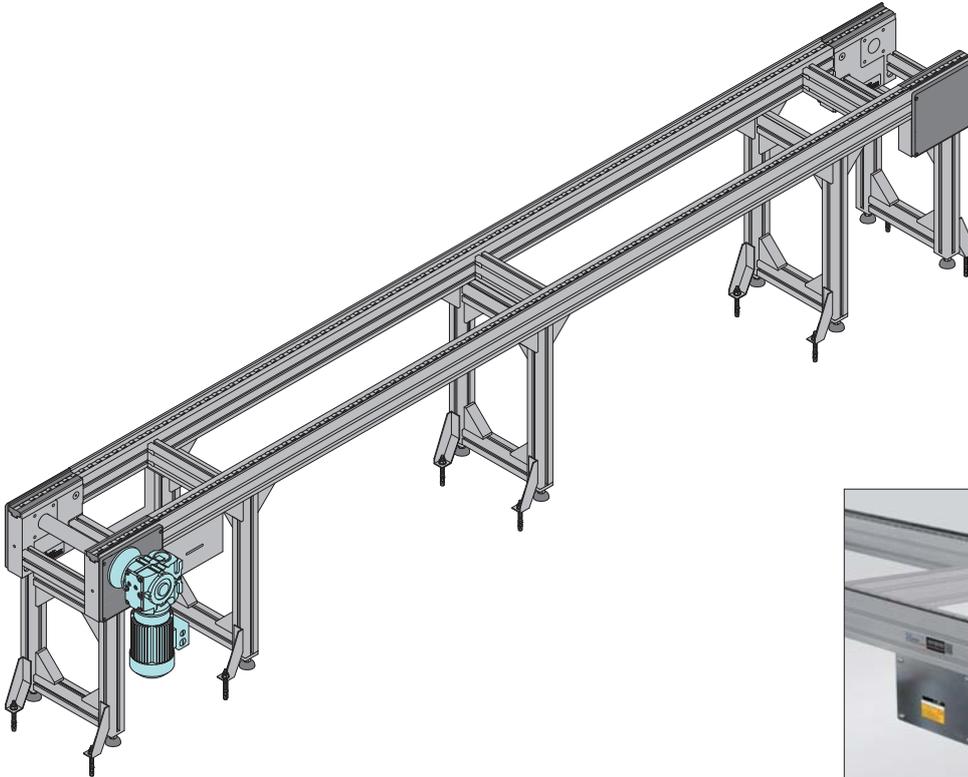
PTS4 Pallet Conveyor



Delivery **15** Workday



Please contact us if order quantities more than 50 pcs



! Pallet conveying width $B_{WT}+2$ tolerance range is ± 1 mm. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.

! Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.



Specifications

Conveyor Length	$1000 \leq L \leq 20000$ mm
Pallet Width	$400 \leq B_{WT} \leq 1600$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	OP, OS = 3000 kg IP, IS = 1500 kg
Max. Conveyor Speed	V max. = 20 m/min ¹⁾
Conveying Medium	12BS Accumulation Chains

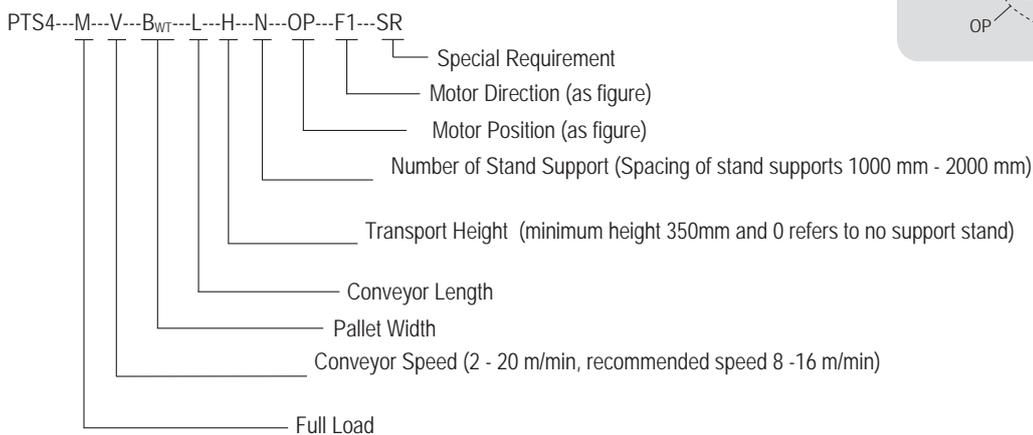
¹⁾When $V \geq 18$ m/min, the max. load capacity will decrease to 2500 kg.

Features/Benefits

1. Modular design, good appearance, easy to assemble and maintenance.
2. Applicable for heavy duty pallet. The pallet can be located and accumulated.
3. T slot aluminum profile frame for easy accessory attachment(sensor, bracket etc).
4. It can be used in conjunction with specific units including rotate unit, lift and transverse unit and lift unit for flexible automatic control.

Industries Served

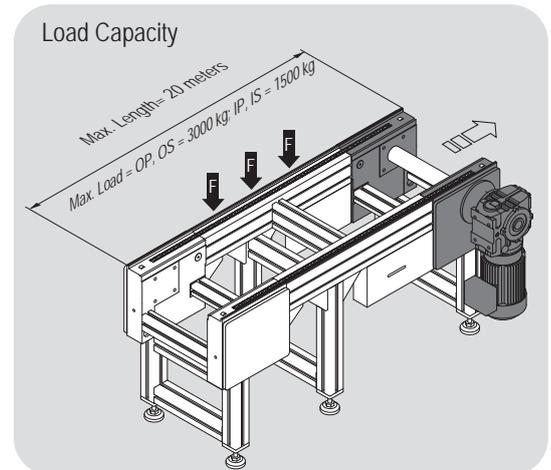
Factory Automation, Automobile Parts, Home Appliances, Electronics etc.

Ordering Reference


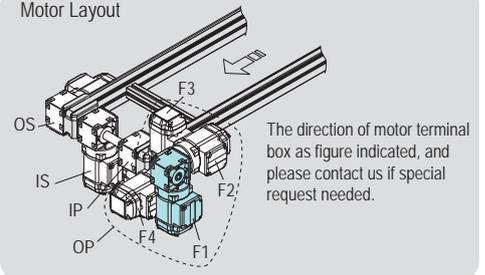
Example:

PTS4 --- M2000 --- V16 --- B_{WT} 600 --- L2000 --- H800 --- N2 --- OP --- F1

PTS4 pallet conveyor --- full load 2000 kg --- conveyor speed 16 m/min --- pallet width 600 mm -- conveyor length 2000 mm --- transport height 800 mm--- 2 sets of stand supports --- motor position OP --- motor direction F1.



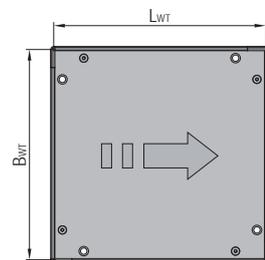
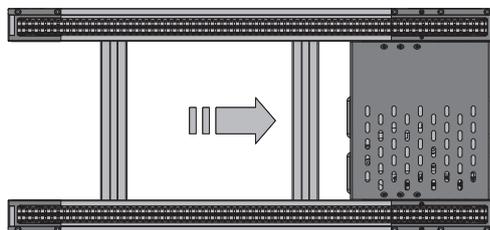
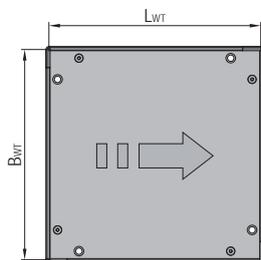
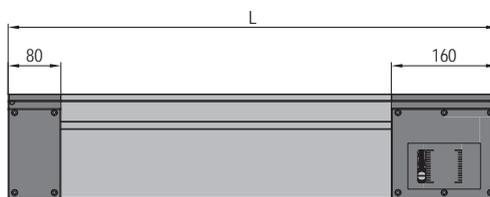
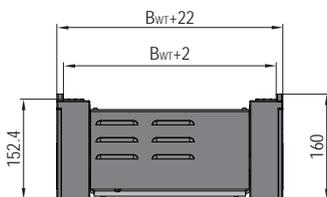
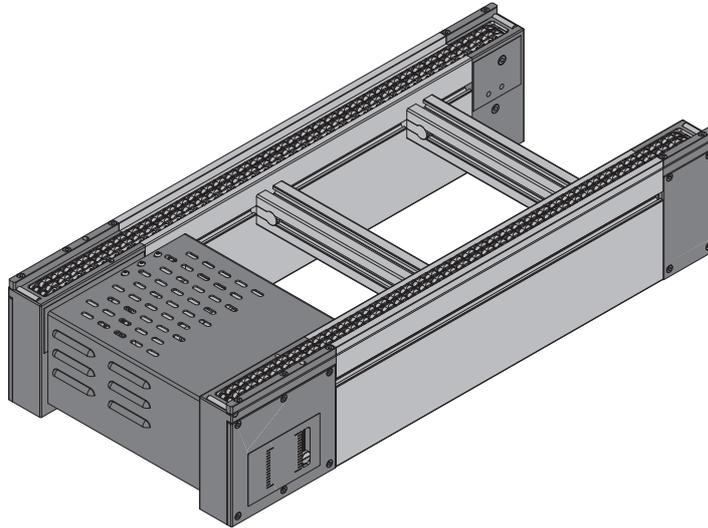
Unit Load Capacity ≤ 4.0 kg/cm.

Motor Layout


PDC200 Pallet Conveyor

 Delivery **15** Workday

 Please contact us for non-standard products

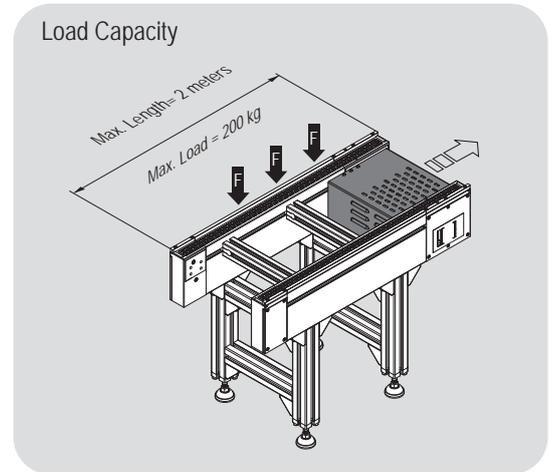


-  It could be used with customized steel pallet with our approval, or we don't guarantee on the main conveyor line or related units.
-  Workpiece pallets should be conveyed toward a drive unit. Reversible operation will lower a third of conveying capacity.
-  No accumulation tray function . Pallet conveying width $B_{wt}+2$ tolerance range is $\pm 1\text{mm}$.



Specifications

Conveyor Length	$240 \leq L \leq 2000$ mm
Pallet Width	$320 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	200 kg
Max. Conveyor Speed	V max. = 20 m/min
Drive Model	Indirect
Conveying Medium	06B Double Chain



Unit Load Capacity ≤ 2 kg/cm.

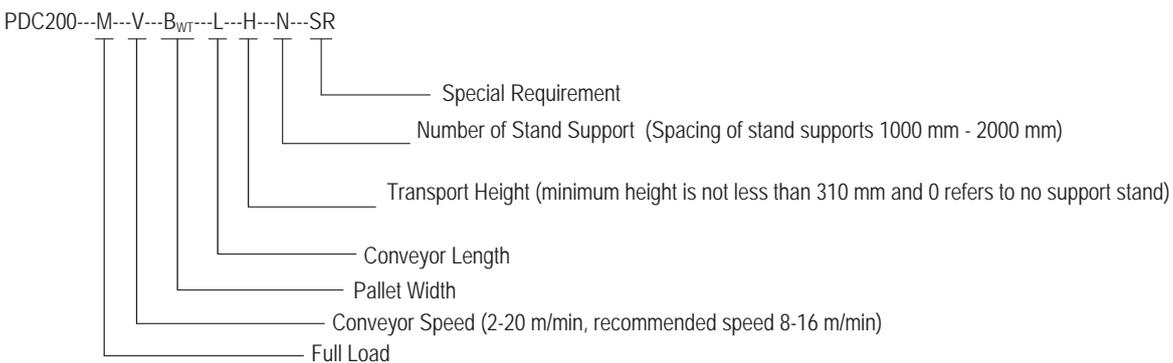
Features/Benefits

1. Modular design, part production in mold, easy to assemble and maintenance.
2. PDC 200 pallet conveyor could be in conjunction with lift and transverse unit, rotate unit and lift unit.
3. Conveying medium is 06B double chain.
4. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Electronics, Automobile Parts etc.

Ordering Reference



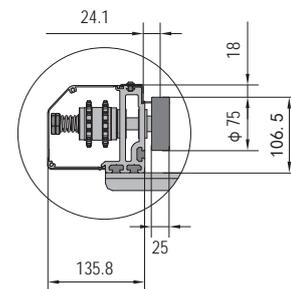
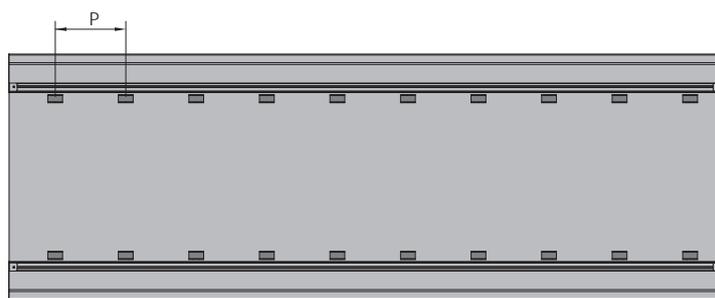
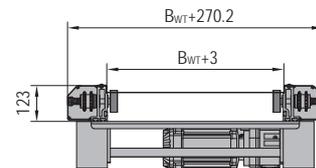
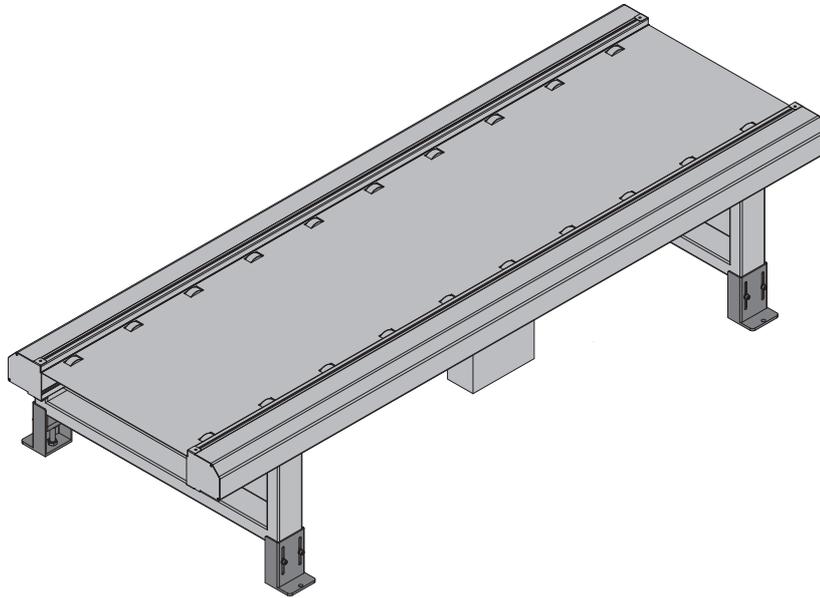
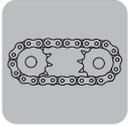
Example:

PDC200---M100---V16---B_{WT}320---L2000---H800---N2

PDC200 pallet conveyor---full load 100 kg---conveyor speed 16 m/min---pallet width 320 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports.

PTS5/L Pallet Conveyor

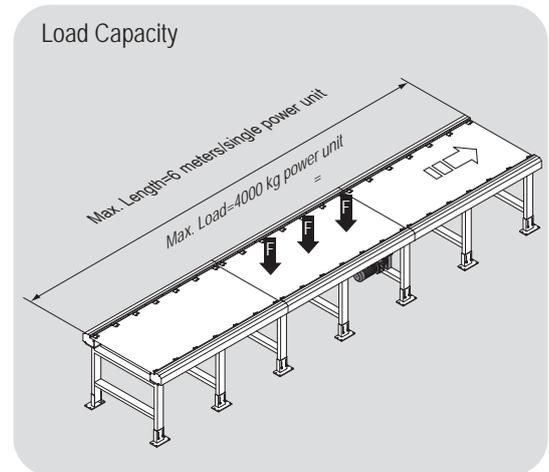
Cantilever Double Chain Drive (CH1)



- ⚠ We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us. .

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	4000 kg
Max. Conveyor Speed	V max. = 16 m/min
Drive Medium	Chain
Conveying Medium	Roller
Roller Spacing	≥ 158 mm

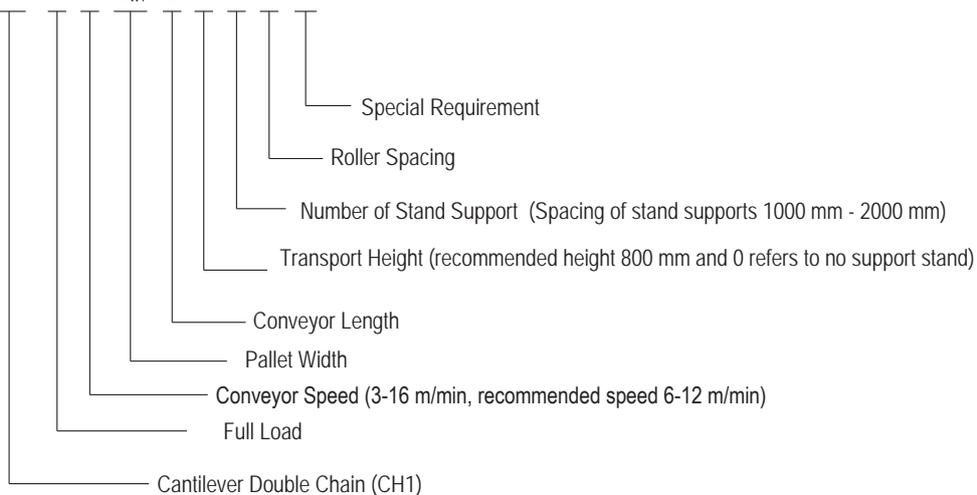


- ⚠ Unit Load Capacity: 1) Each set of rollers ≤ 200 kg;
 2) Each meter of conveyor line ≤ 800 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Ordering Reference

 PTS5/L---CH1---M---V---B_{WT}---L---H---N---P---SR


Example:

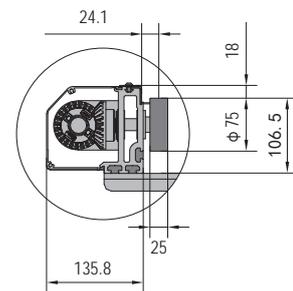
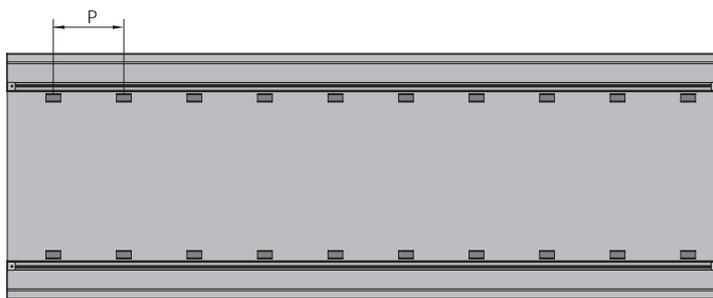
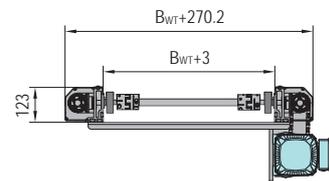
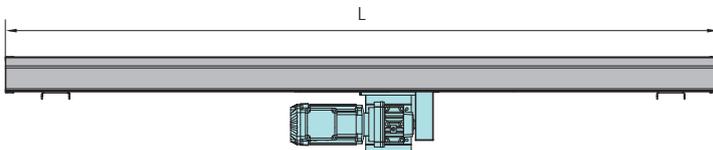
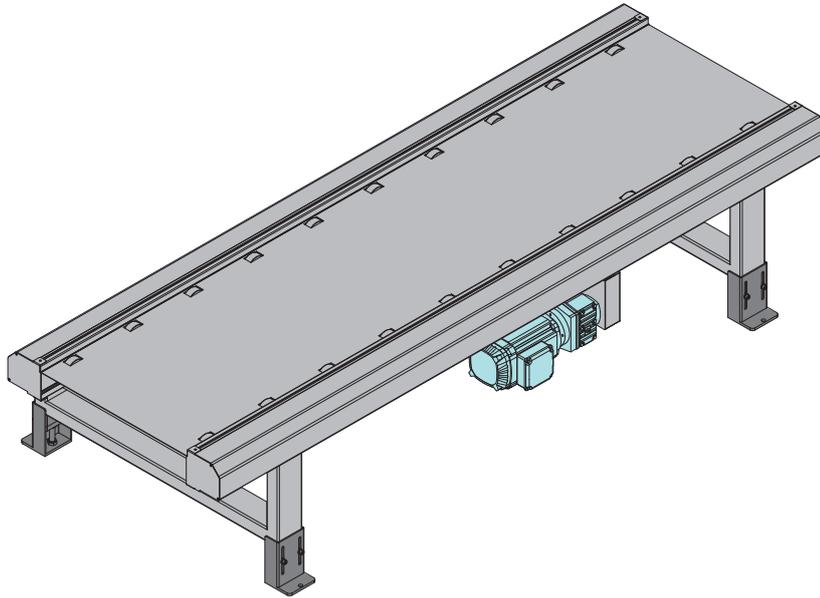
 PTS5/L---CH1---M150---V16---B_{WT}845---L2000---H800---N2---P195---SR

PTS5/L pallet conveyor---cantilever double bevel gear drive---full load 150 kg---conveyor speed 16 m/min---pallet width 845 mm---conveyor length 2000 mm---transport height 800 mm---2 sets of stand supports---roller spacing 195 mm



PTS5/L Pallet Conveyor

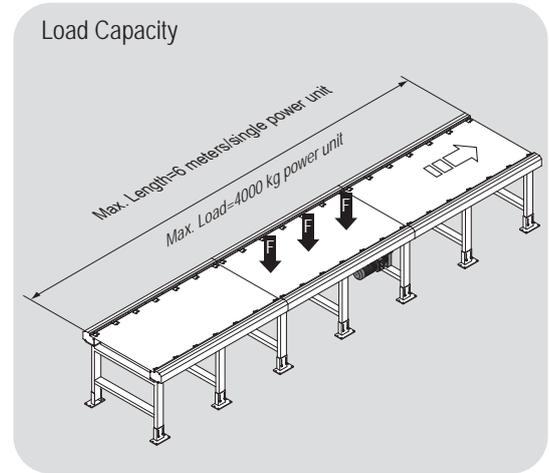
Cantilever Double Bevel Gear Drive (BG1)



- ⚠ We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	4000 kg
Max. Conveyor Speed	V max. = 16 m/min
Drive Medium	Bevel Gear
Conveying Medium	Roller
Roller Spacing	≥ 158 mm

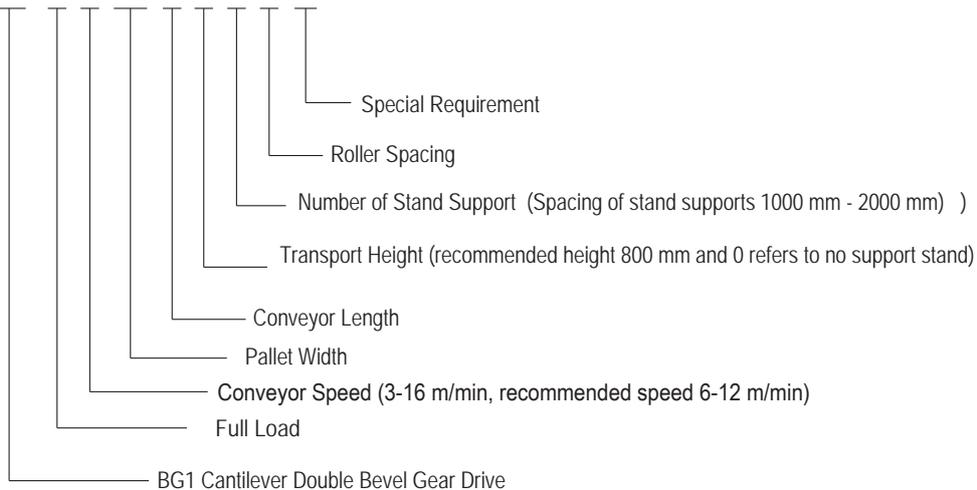


- ⚠ Unit Load Capacity: 1) Each set of rollers ≤ 200 kg;
 2) Each meter of conveyor line ≤ 800 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Ordering Reference

 PTS5/L---BG1---M---V---B_{WT}---L---H---N---P---SR


Example:

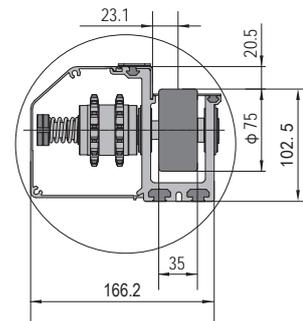
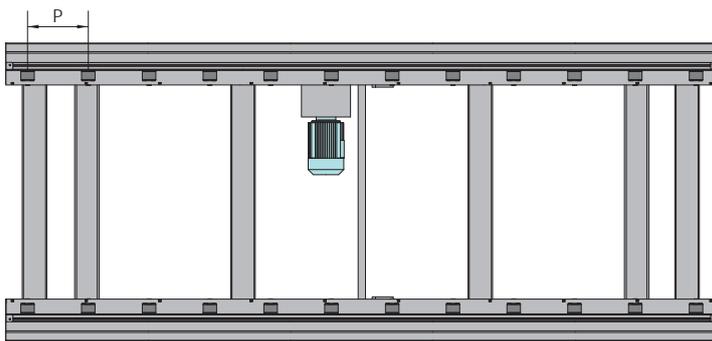
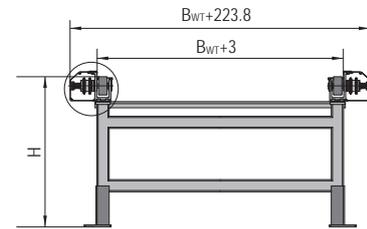
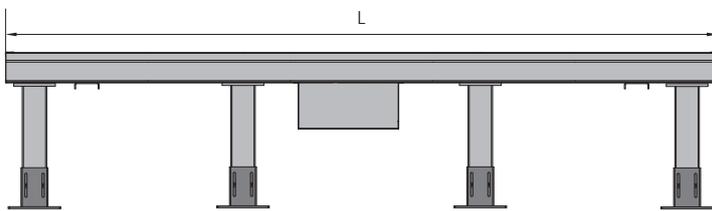
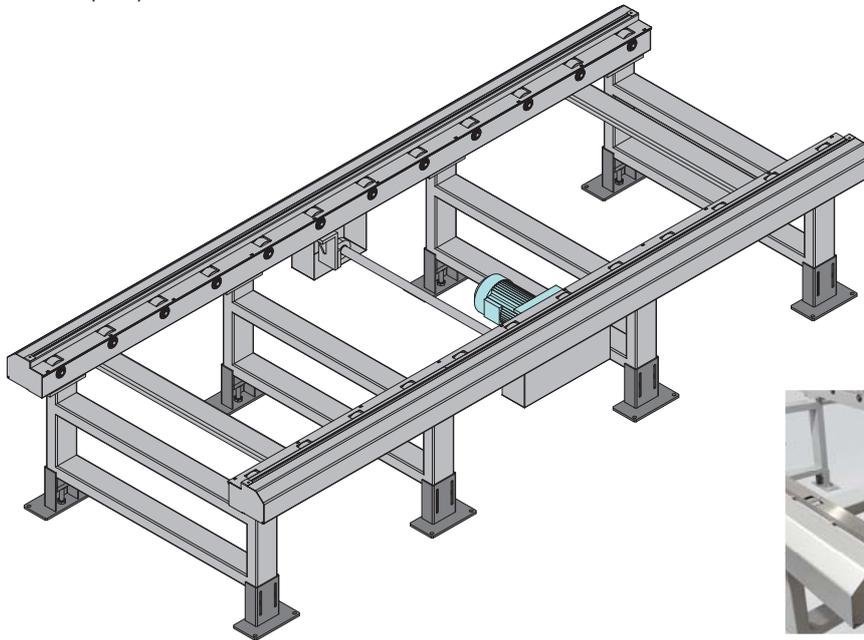
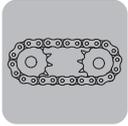
 PTS5/L---BG1---M150---V16---B_{WT}845---L2000---H800---N2---P195---SR

PTS5/L pallet conveyor---cantilever double bevel gear drive---full load 150 kg---conveyor speed 16 m/min---pallet width 845 mm---conveyor length 2000 mm---transport height 800 mm---2 sets of stand supports---roller spacing 195 mm



PTS5/L Pallet Conveyor

Double Support and Chain Drive (CH2)



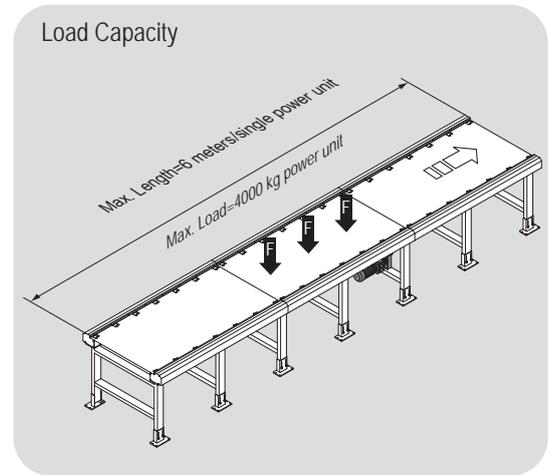
⚠ Pallet conveying width $B_{wt}+3$ tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.

⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.



Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	4000 kg
Max. Conveyor Speed	V max. = 16 m/min
Drive Medium	Chain
Conveying Medium	Roller
Roller Spacing	≥ 158 mm

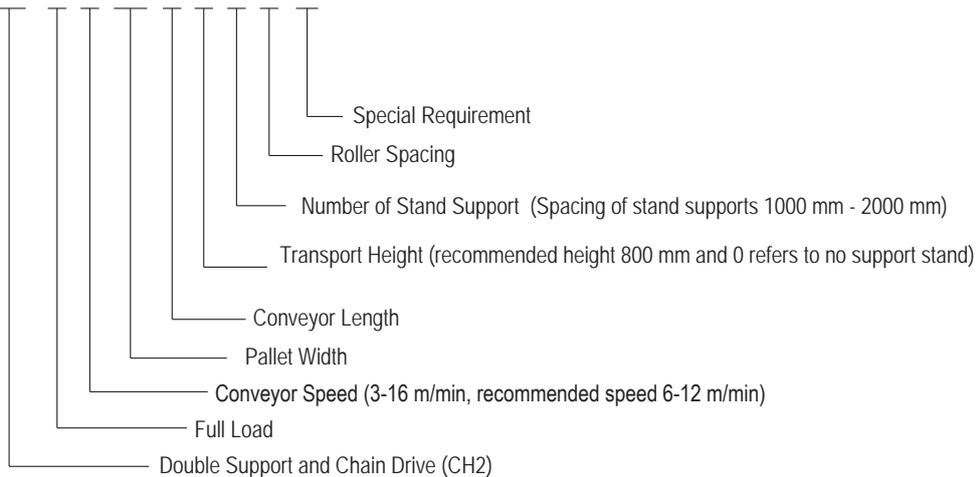


Unit Load Capacity: 1) Each set of rollers ≤ 200 kg;
 2) Each meter of conveyor line ≤ 800 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Ordering Reference

 PTS5/L---CH2---M---V---B_{WT}---L---H---N---P---SR


Example:

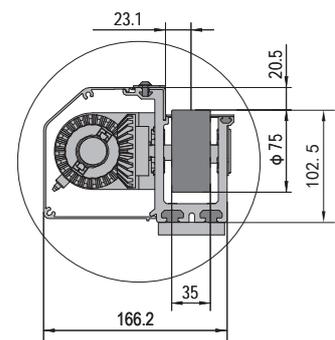
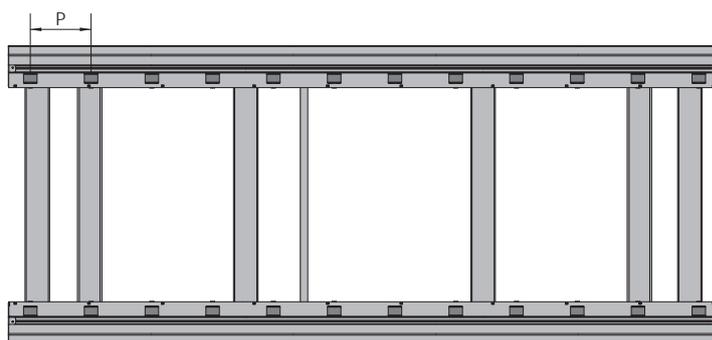
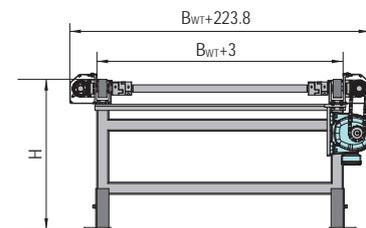
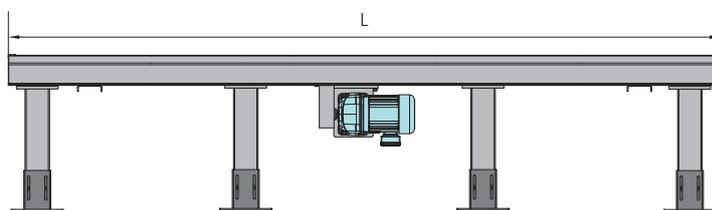
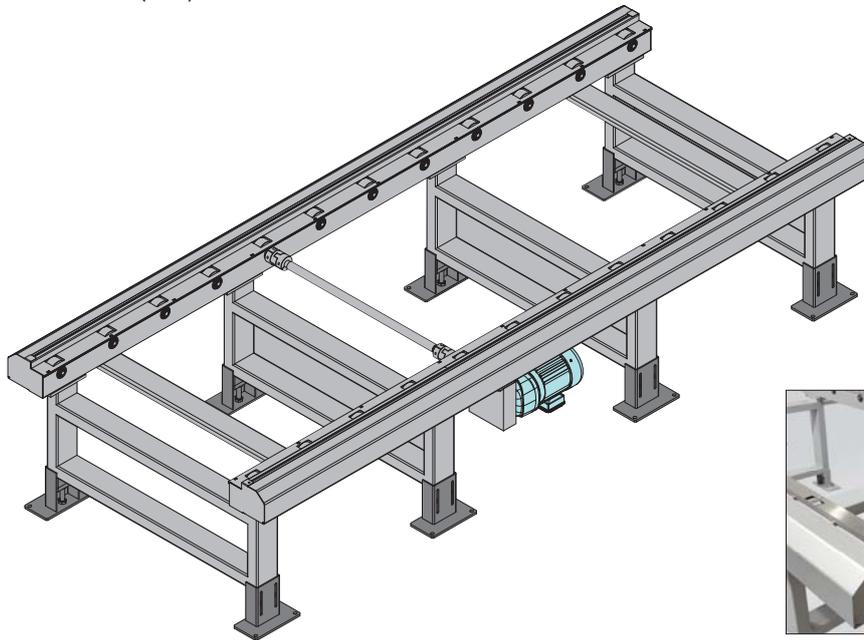
PTS5/L---CH2---M150---V16---BWT845---L2000---H800---N2---P195---SR

PTS5/L pallet conveyor---CH2---full load 150 kg---conveyor speed 16 m/min---pallet width 845 mm---conveyor length 2000 mm---transport height 800 mm---2 sets of stand supports---roller spacing 195 mm



PTS5/L Pallet Conveyor

Double Support and Bevel Gear Drive (BG2)



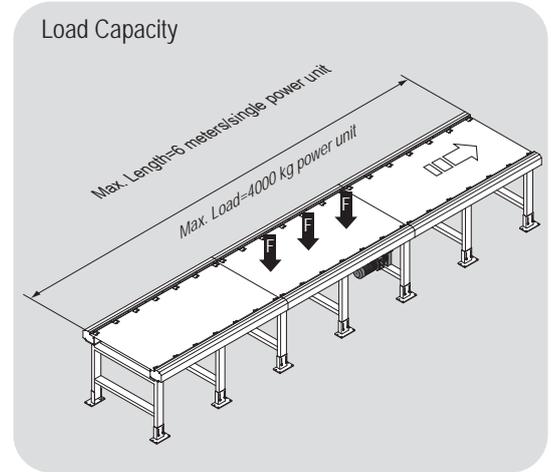
⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.

⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.



Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	4000 kg
Max. Conveyor Speed	V max. = 16 m/min
Drive Medium	Bevel Gear
Conveying Medium	Roller
Roller Spacing	≥ 158 mm

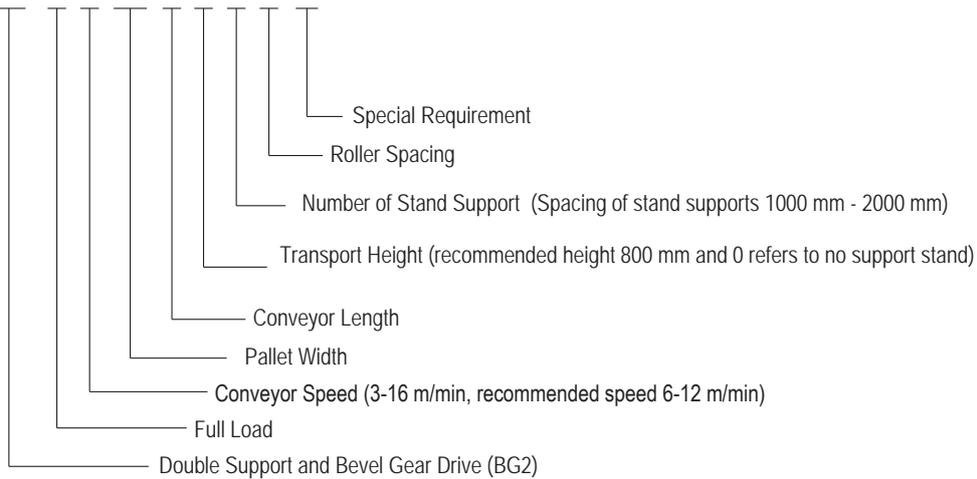


- Unit Load Capacity: 1) Each set of rollers ≤ 200 kg;
 2) Each meter of conveyor line ≤ 800 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Ordering Reference

 PTS5/L---BG2---M---V---B_{WT}---L---H---N---P---SR


Example:

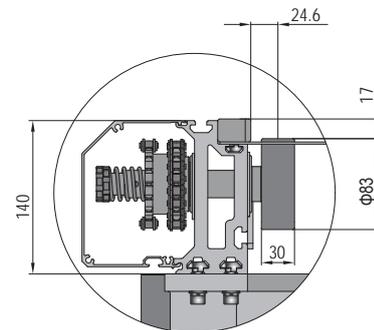
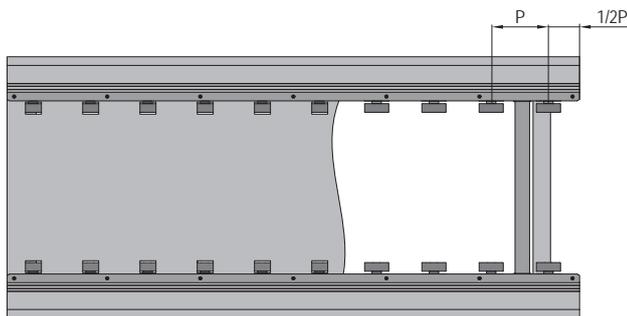
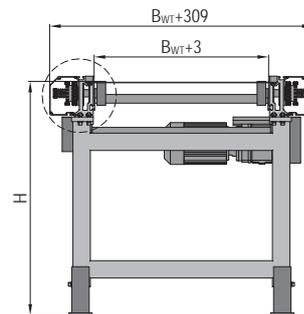
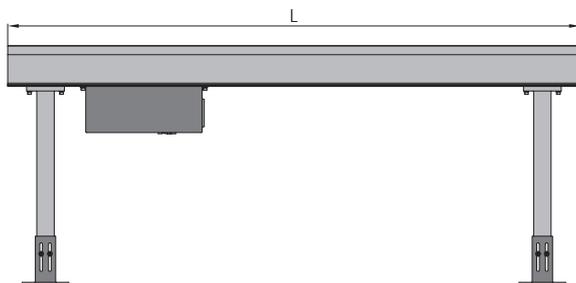
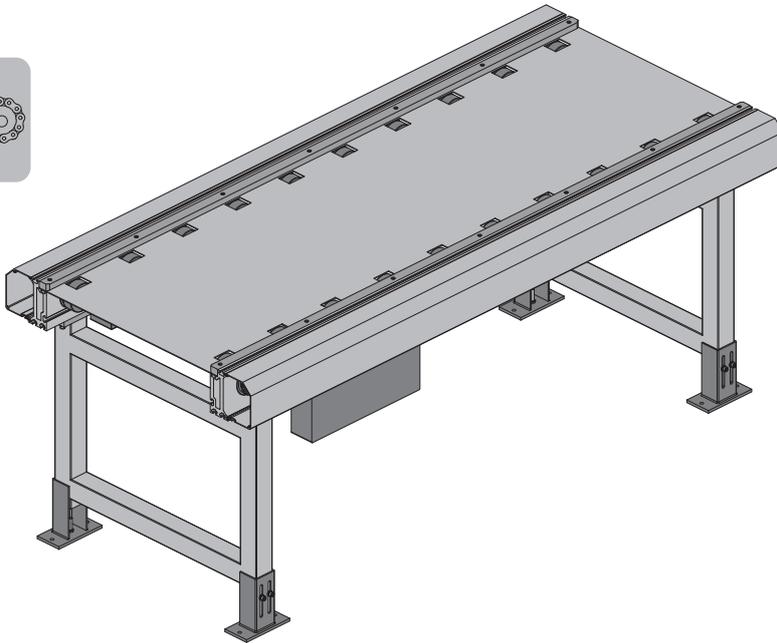
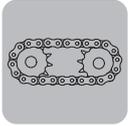
PTS5/L---BG2---M150---V16---BWT845---L2000---H800---N2---P195---SR

PTS5/L pallet conveyor---BG2---full load 150 kg---conveyor speed 16 m/min---pallet width 845 mm---conveyor length 2000 mm---transport height 800 mm---2 sets of stand supports---roller spacing 195 mm



PTS5 Pallet Conveyor

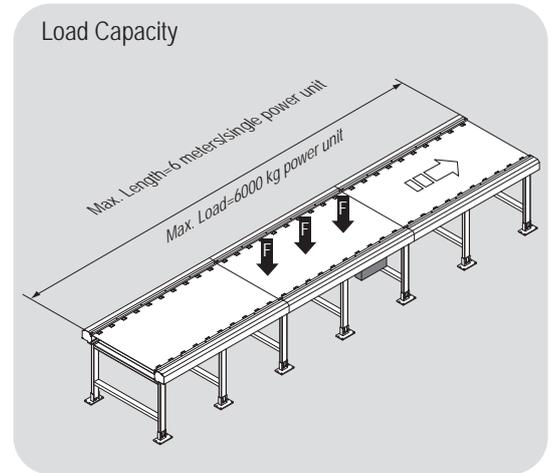
Cantilever Double Chain Drive (CH1)



- ⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	6000 kg
Max. Conveyor Speed	V max. = 15 m/min
Drive Medium	Chain
Conveying Medium	Roller
Roller Spacing	158 / 196 / 247 mm



- ⚠ Unit Load Capacity: 1) Each set of rollers ≤ 300 kg;
 2) Each meter of conveyor line ≤ 1200 kg.

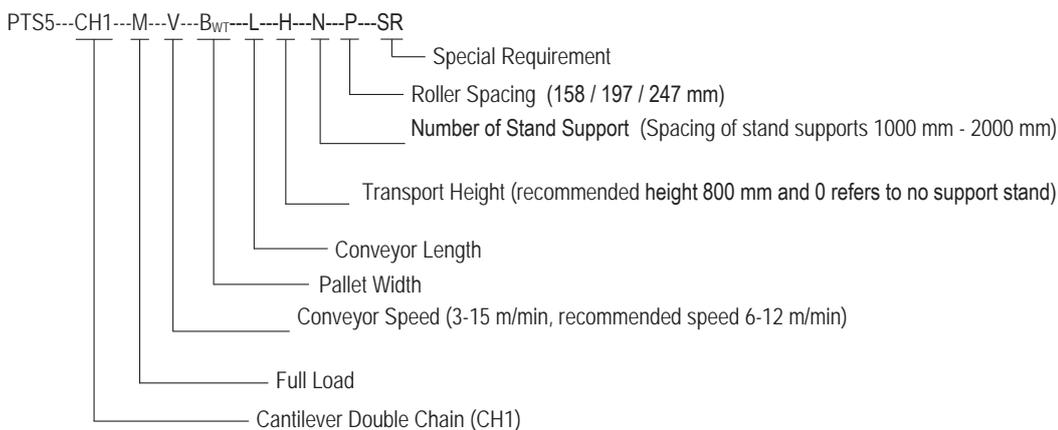
Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 1905 mm, 1968 mm and 1981 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Industries Served

Automatic assembly detection production line (automotive engine, transmission assembly line, circuit breaker etc).

Ordering Reference



Example:

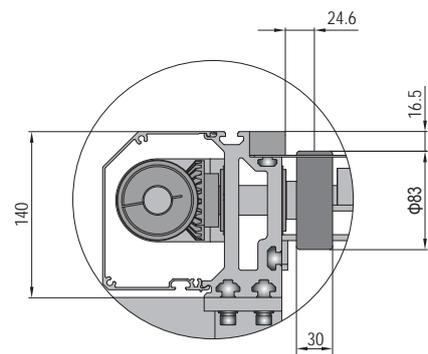
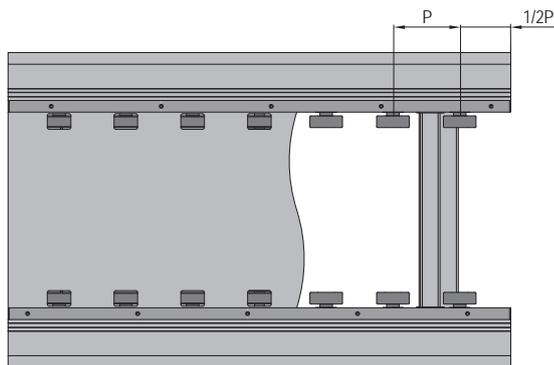
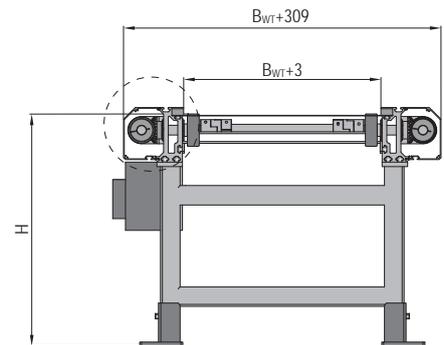
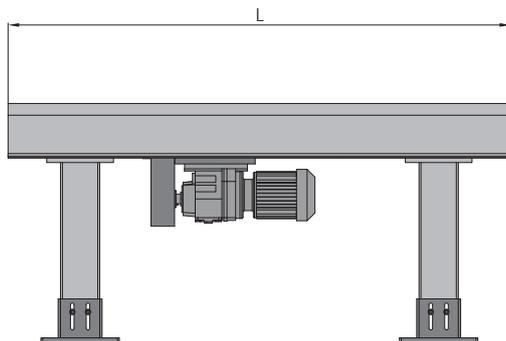
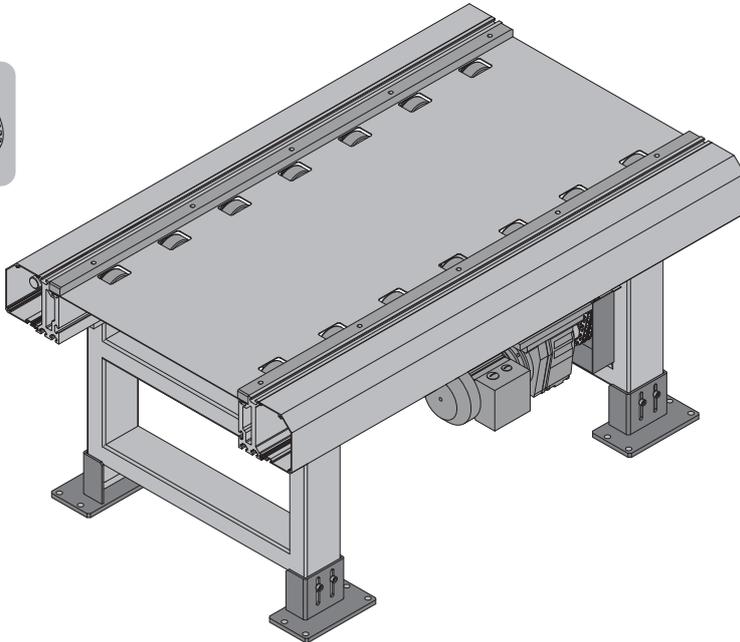
PTS5---CH1---M1000---V12---B_{WT}500---L2000---H800---N2---P158

PTS5 pallet conveyor---CH1---full load 1000 kg---conveyor speed 12 m/min---pallet width 500 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---roller spacing 158 mm



PTS5 Pallet Conveyor

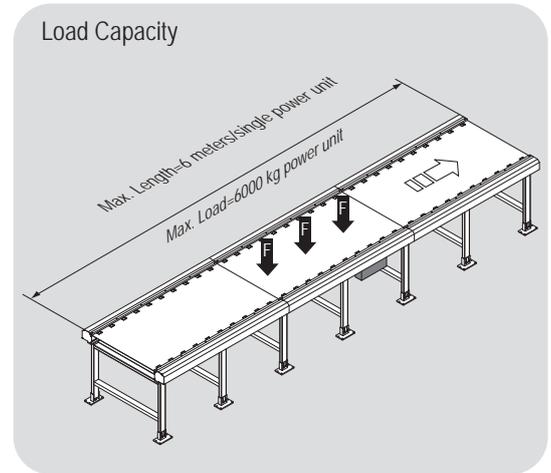
Cantilever Double Bevel Gear Drive (BG1)



- ⚠ Pallet conveying width B_{WT+3} tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$300 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	6000 kg
Max. Conveyor Speed	V max. = 3-15 m/min
Drive Medium	Bevel Gear
Conveying Medium	Roller
Roller Spacing	160 / 200 / 250 mm



- ⚠ Unit Load Capacity: 1) Each set of rollers ≤ 300 kg;
 2) Each meter of conveyor line ≤ 1200 kg.

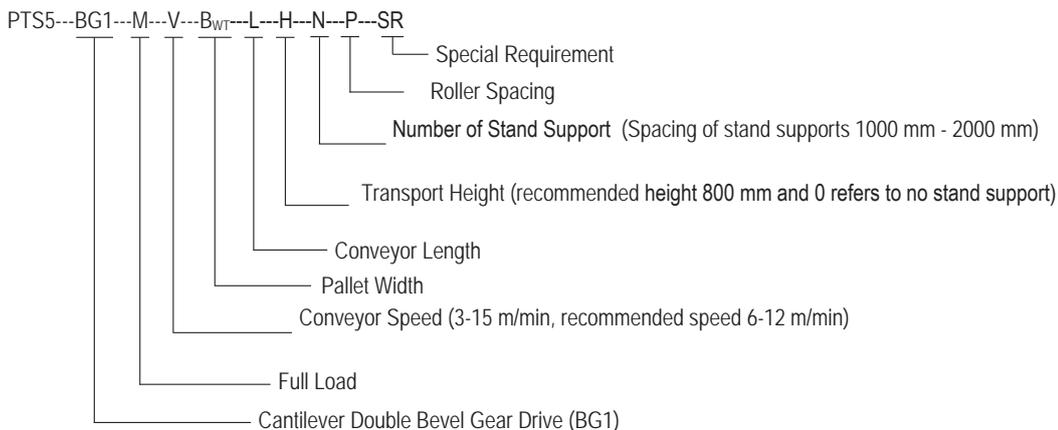
Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 1920 mm, and 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Industries Served

Automatic assembly detection production line (automotive engine, transmission assembly line, circuit breaker etc).

Ordering Reference



Example:

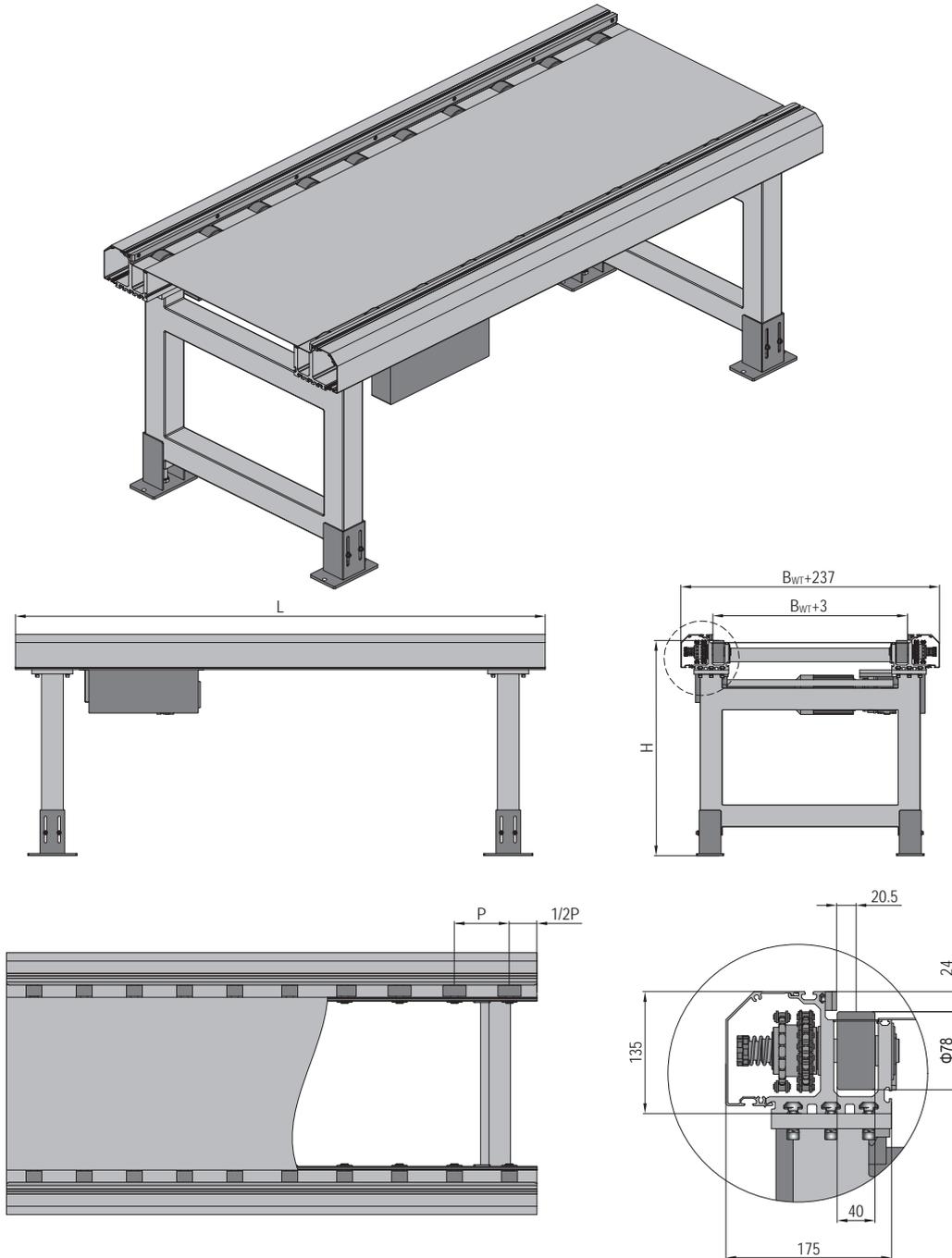
PTS5---BG1---M2000---V12---B_{WT}500---L2000---H800---N2---P160

PTS5 pallet conveyor---BG1---full load 2000 kg---conveyor speed 12 m/min---pallet width 500 mm---conveyor length 2000 mm---transport height 800 mm-- 2 sets of stand supports-----roller spacing 160 mm



PTS5 Pallet Conveyor

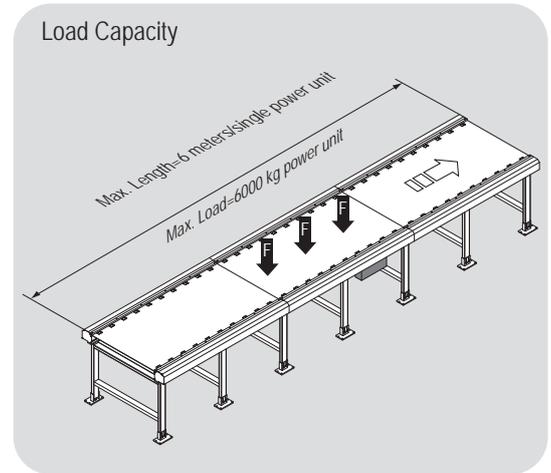
Double Support and Chain Drive (CH2)



- ⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$400 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	6000 kg
Max. Conveyor Speed	V max. = 15 m/min
Drive Medium	Chain
Conveying Medium	Roller
Roller Spacing	158 / 196 / 247 mm



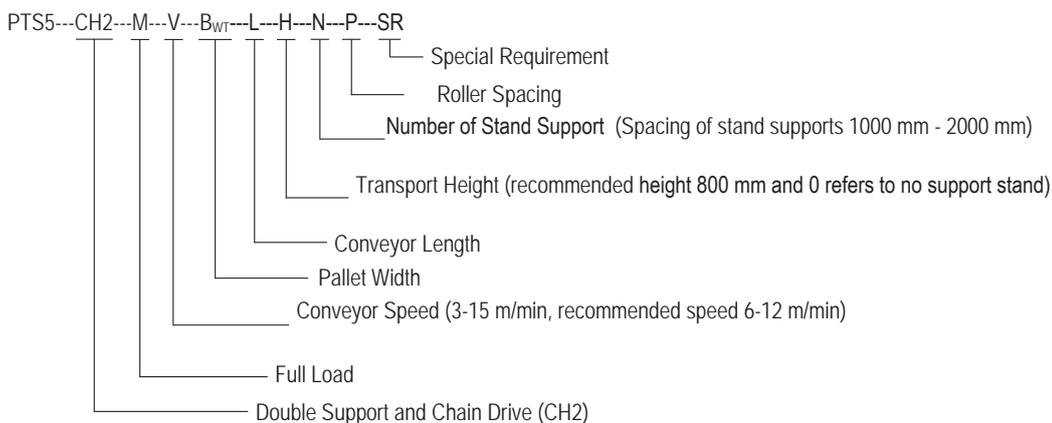
- ⚠ Unit Load Capacity: 1) Each set of rollers ≤ 300 kg;
 2) Each meter of conveyor line ≤ 1200 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 1905 mm, 1968 mm and 1981 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Industries Served

Automatic assembly detection production line (automotive engine, transmission assembly line, circuit breaker etc).

Ordering Reference


Example:

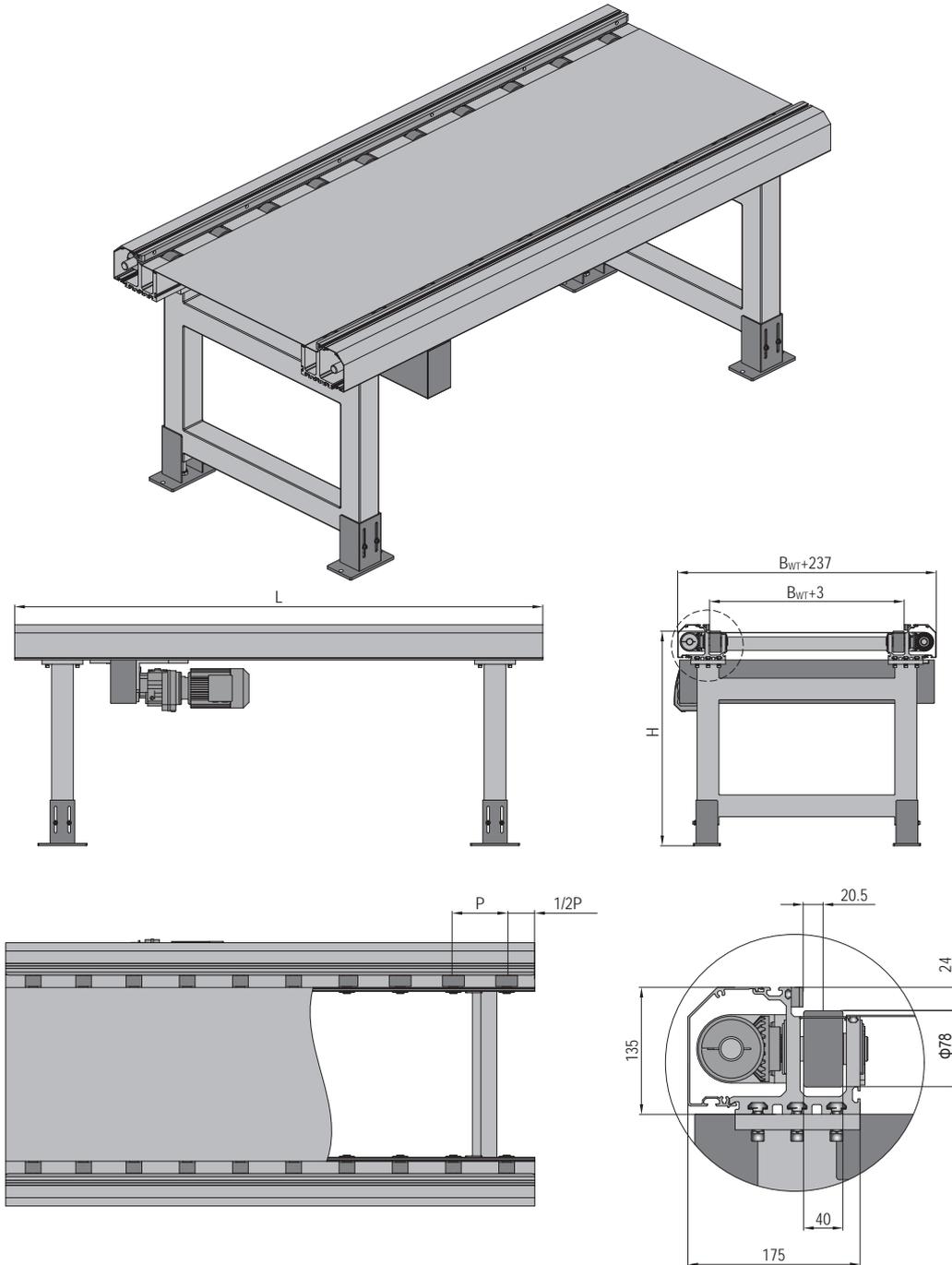
PTS5---CH2---M2000---V12---B_{WT}500---L2000---H800---N2---P158

PTS5 pallet conveyor---CH2---full load 2000 kg---conveyor speed 12 m/min---pallet width 500 mm---conveyor length 2000 mm---transport height 800 mm--- 2 sets of stand supports---roller spacing 158 mm



PTS5 Pallet Conveyor

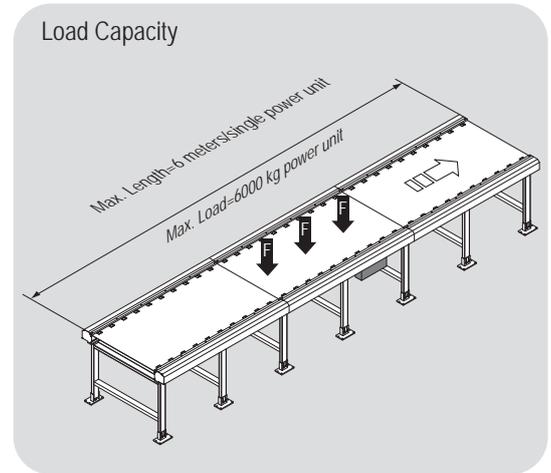
Double Support and Bevel Gear Drive (BG2)



- ⚠ Pallet conveying width $B_{WT}+3$ tolerance range is $\pm 1\text{mm}$. We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
- ⚠ The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$1000 \leq L \leq 6000$ mm
Pallet Width	$400 \leq B_{WT} \leq 1200$ mm
Conveyor Height	Customer Specified
Max. Load Capacity(Single power unit)	6000 kg
Max. Conveyor Speed	V max. = 3-15 m/min
Drive Medium	Bevel Gear
Conveying Medium	Roller
Roller Spacing	160 / 200 / 250 mm



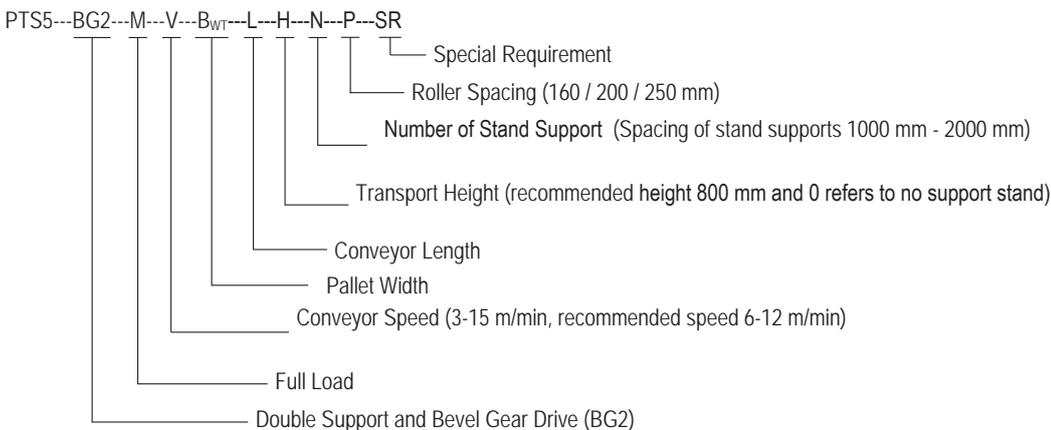
- ⚠ Unit Load Capacity: 1) Each set of rolles ≤ 300 kg;
 2) Each meter of conveyor line ≤ 1200 kg.

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 1920 mm, and 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control. The effective contact of the pallets should be fully considered when verify the load capacity.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Industries Served

Automatic assembly detection production line (automotive engine, transmission assembly line, circuit breaker etc).

Ordering Reference


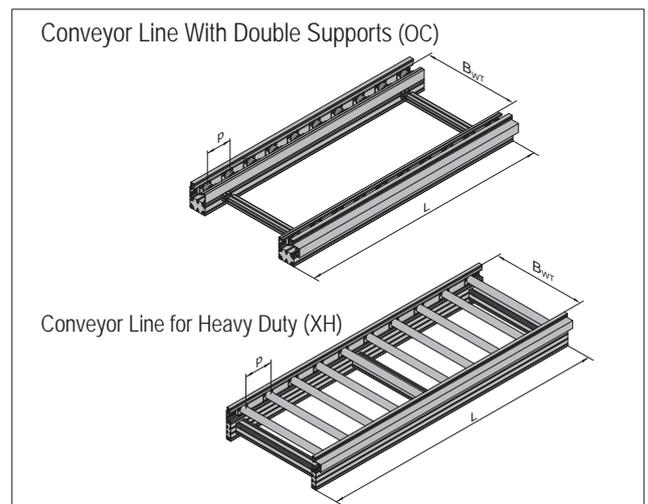
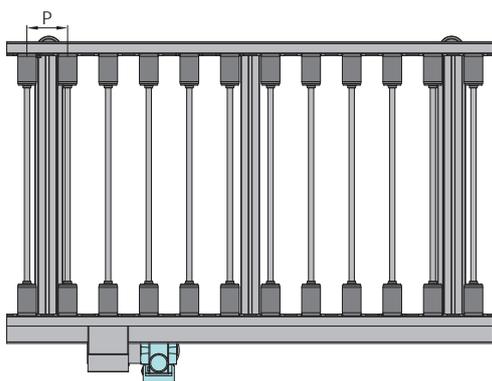
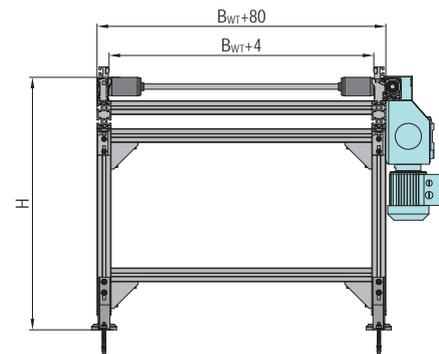
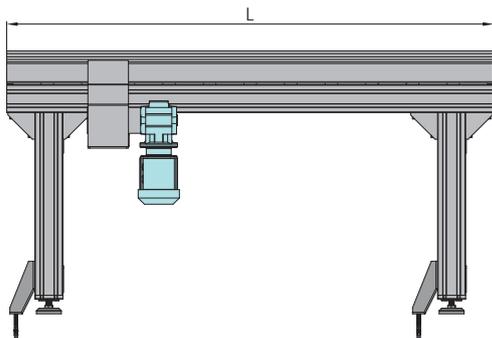
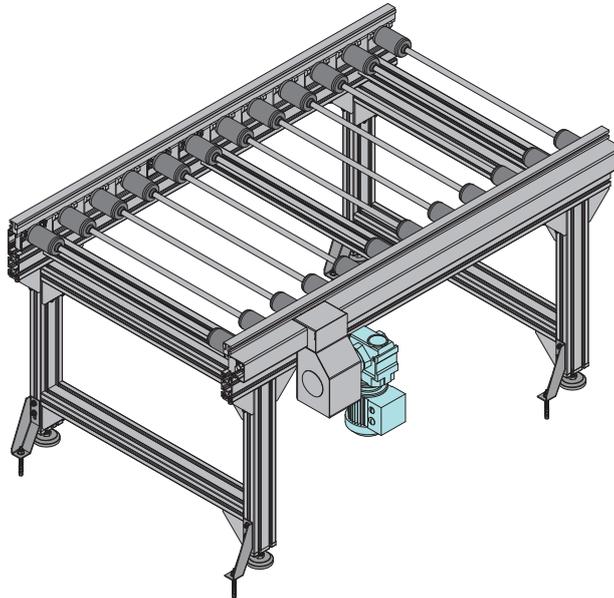
Example:

PTS5---BG2---M2000---V12---B_{WT}500---L2000---H800---N2---P160

PTS5 pallet conveyor---BG2---full load 2000 kg---conveyor speed 12 m/min---pallet width 500 mm---conveyor length 2000 mm---transport height 800 mm---2 sets of stand supports---roller spacing 160 mm



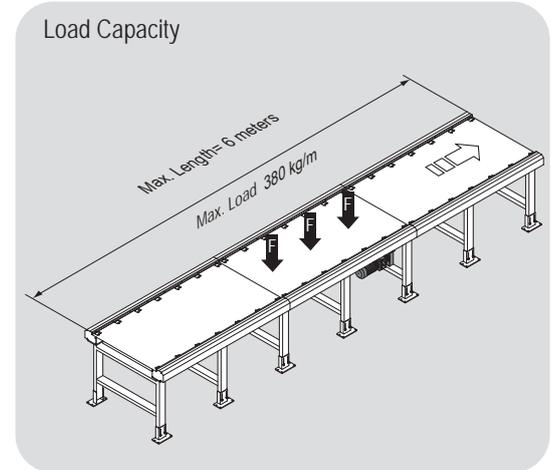
PTS5/E Pallet Conveyor



-  We need to verify the compatibility in advance for pallet made by customer, or we don't guarantee on the main conveyor line or related units.
-  The maximum length of conveyor is determined by the combining of the roller spacing and the number of working rollers. In case of special needs for roller spacing, please contact with us.

Specifications

Conveyor Length	$780 \leq L \leq 6000$ mm
Pallet Width	455 / 650 / 845 / 1040 mm
Conveyor Height	Customer Specified
Max. Load Capacity	H \leq 200 kg/m (Standard conveyor) XH \leq 380 kg/m (Conveyor for heavy duty) OC \leq 380 kg/m (Conveyor with double support)
Max. Conveyor Speed	V max. = 12 m/min
Drive Medium	Bevel Gear
Conveying Medium	Roller
Roller Spacing	130 / 195 / 260 / 325 mm

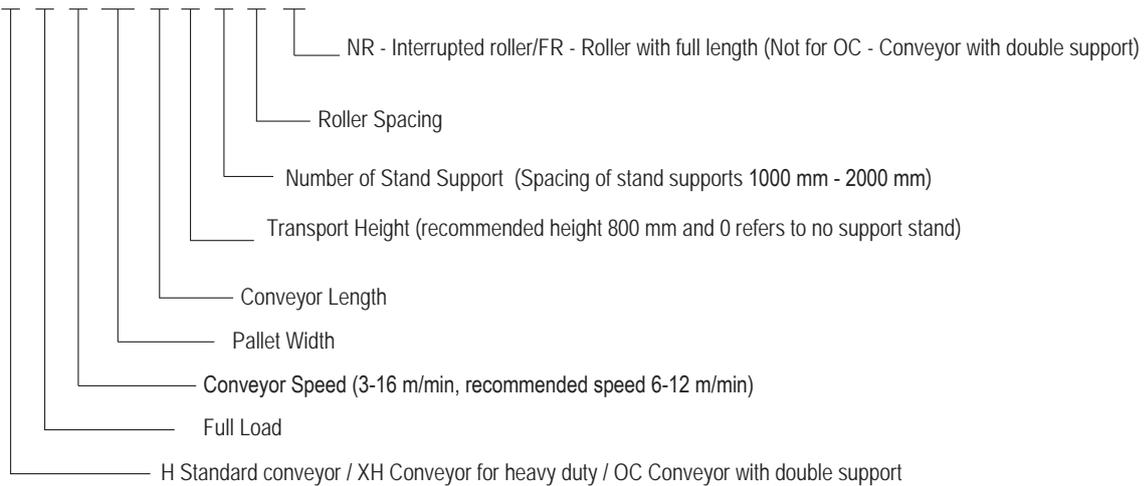


Unit Load Capacity \leq 50 kg for each pair of rollers

Features/Benefits

1. Modular design of standard unit (recommended length of standard unit is 2000 mm respectively according to different roller spacing).
2. Suitable for middle-loaded pallet conveying which can achieve flexible control.
3. In conjunction with rotary and lift transverse unit to achieve automation cycle control.

Ordering Reference

 PTS5/E---H---M---V---B_{WT}---L---H---N---P---NR*


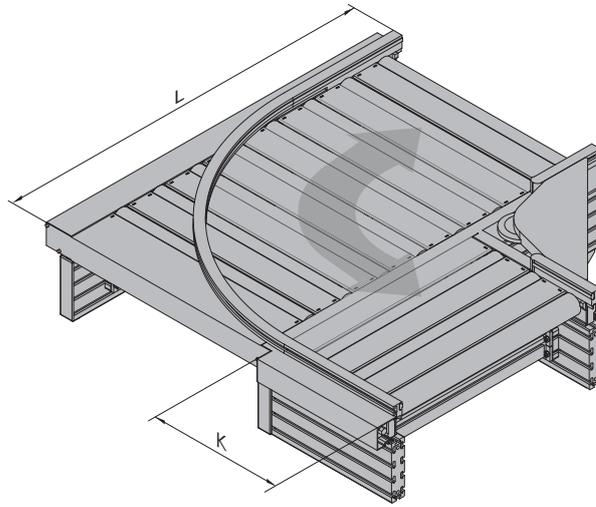
Example:

 PTS5/E---H---M150---V12---B_{WT}845---L1950---H800---N2---P195---NR

PTS5/E pallet conveyor---standard conveyor---full load 150 kg---conveyor speed 12 m/min---pallet width 845 mm---conveyor length 1950 mm---transport height 800 mm---2 sets of stand supports---roller spacing 195 mm---Interrupted roller



PTS5/E Curve Unit



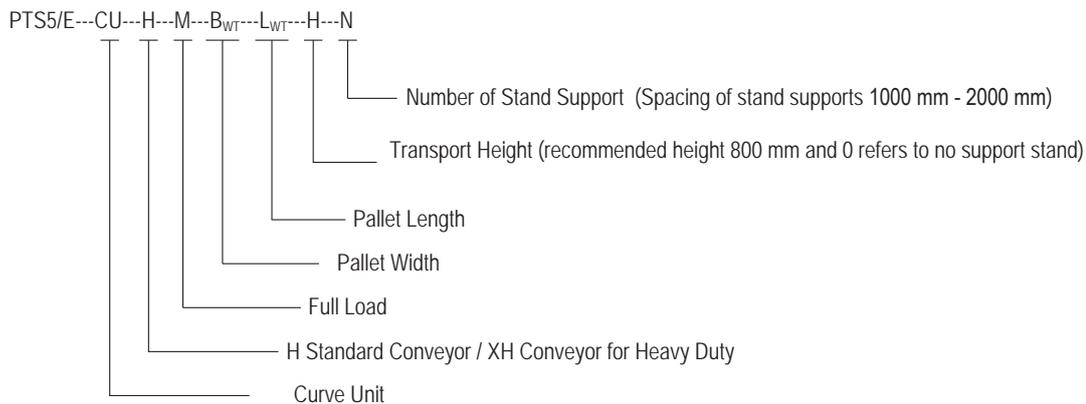
Specifications

	M_A (kg/m)	B_{WT} (mm)	L_{WT} (mm)	L (mm)	$K^{1)}$ (mm)
H	260	455	455	921.5	382.5
H	260	455	650	921.5	382.5
H	260	650	650	1149	415
XH	380	650	845	1149	415
XH	380	845	845	1376.5	447.5
XH	380	845	1040	1376.5	447.5

 Standard size of pallet suitable for this unit.

¹⁾ K is the standard length of the unit

Ordering Reference



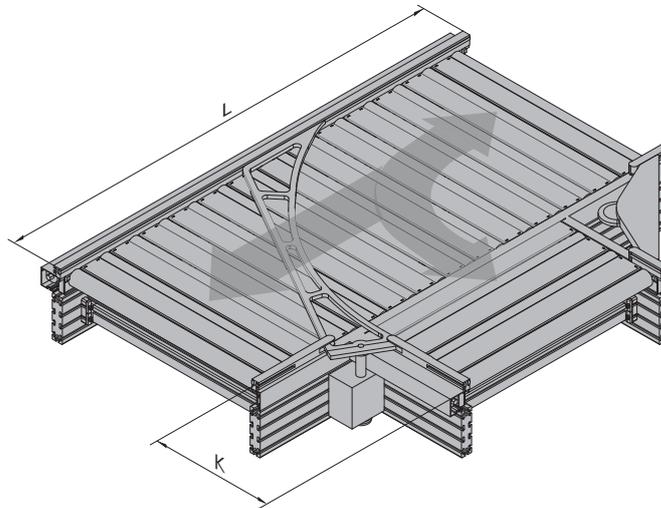
Example:

PTS5/E---CU---H---M150---B_{WT}455---L_{WT}455---H800---N3

PTS5/E pallet conveyor---curve unit---standard conveyor---full load 150 kg---conveyor speed 12 m/min---pallet width 845 mm---Pallet length 1950 mm---transport height 800 mm---3 sets of stand supports



PTS5/E Distribution and Confluence Unit



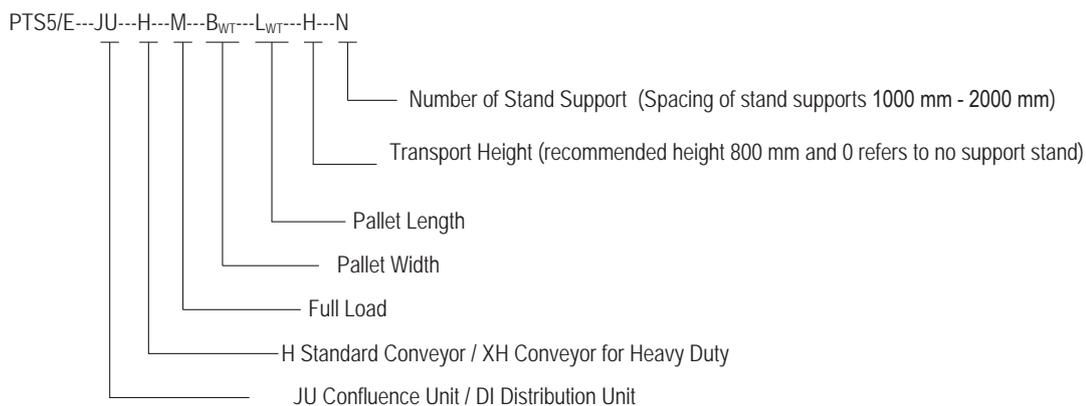
Specifications

	M_A (kg/m)	B_{WT} (mm)	L_{WT} (mm)	L (mm)	$K^{1)}$ (mm)
H	260	455	455	1300	382.5
H	260	455	650	1300	382.5
H	260	650	650	1560	415
XH	380	650	845	1560	415
XH	380	845	845	1820	447.5
XH	380	845	1040	1820	447.5

 Standard size of pallet suitable for this unit.

¹⁾ K is the standard length of the unit

Ordering Reference



Example:

 PTS5/E---JU---H---M150---B_{WT}455---L_{WT}455---H800---N3

PTS5/E pallet conveyor---confluence unit---standard conveyor---full load 150 kg---conveyor speed 12 m/min---pallet width 845 mm---Pallet length 1950 mm---transport height 800 mm---3 sets of stand supports

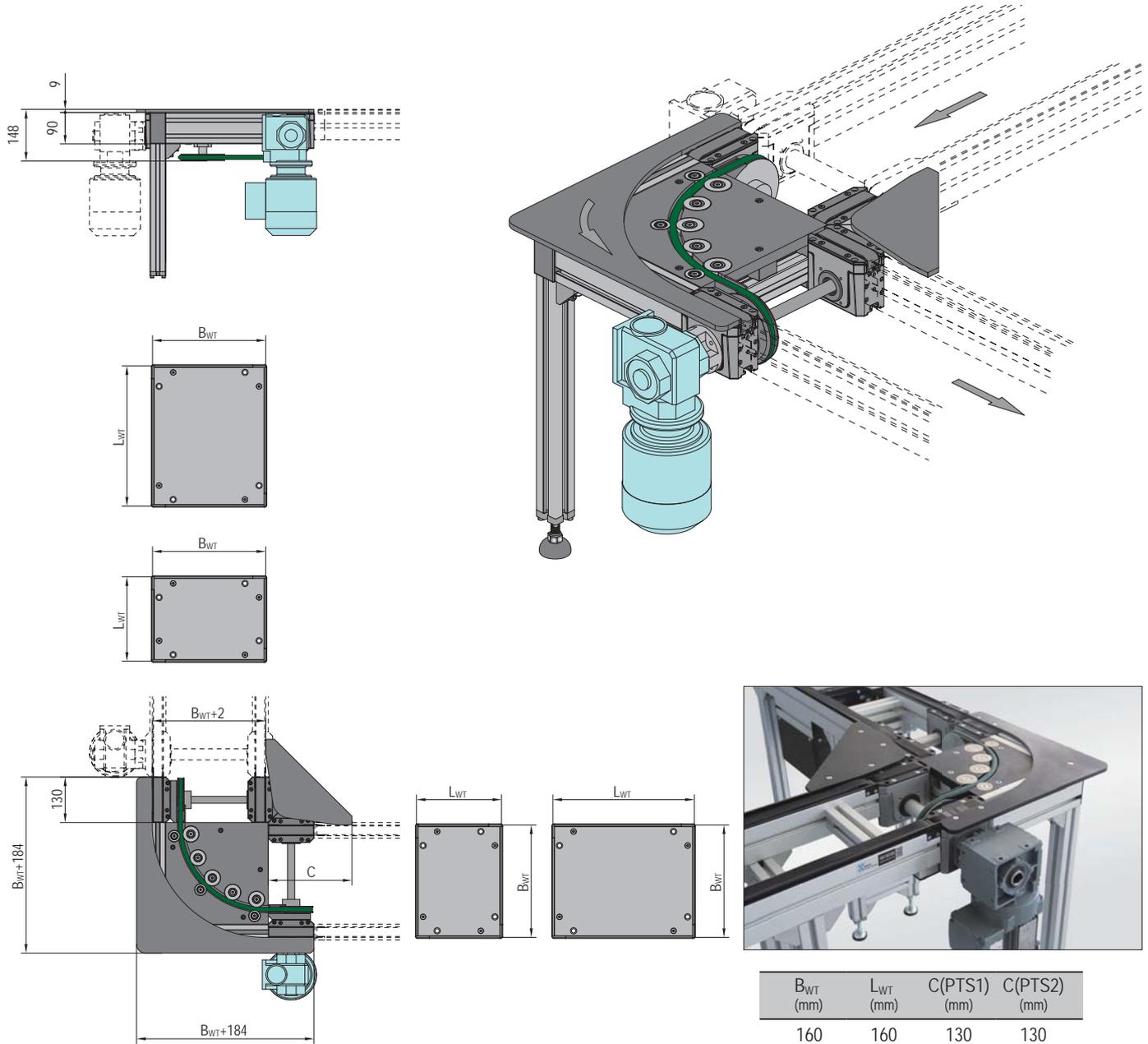


PCU90 Round Belt Curve

Self-powered (PCU90-IN)

 Delivery **15** Workday

 Please contact us for non-standard products



-  Maximum load capacity per pallet $\leq 20\text{kg}$.
-  90° curve conveying of the workpiece pallet one by one without accumulation operation.
-  Length-width ratio cannot exceed 1.5time of the pallet itself ($L_{WT}/B_{WT} \leq 1.5$).
-  To work with WP2/S, WP2/E or WP2/C .
-  Please contact us for slave driven type.

B_{WT} (mm)	L_{WT} (mm)	C(PTS1) (mm)	C(PTS2) (mm)
160	160	130	130
	240	260	300
240	160	130	130
	240	260	300
	320	260	300
320	240	260	300
	320	260	300
	400	300	300

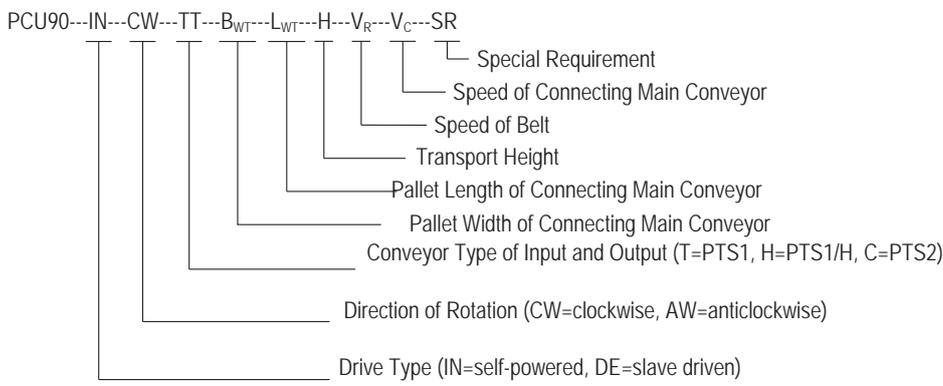
 Standard size of pallet suitable for 90° curve.



Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. 90° curve conveying of the pallet within the standard pallet width of 320mm and without changing the direction of pallet, and 30kg rotate unit is recommend for conveying of large size pallet.
3. T slot aluminum profile frame for easy accessory attachment(sensor, bracket etc).

Ordering Reference



Example:

PCU90---IN---CW---TT---B_{WT}240---L_{WT}320---V_R27---V_C15

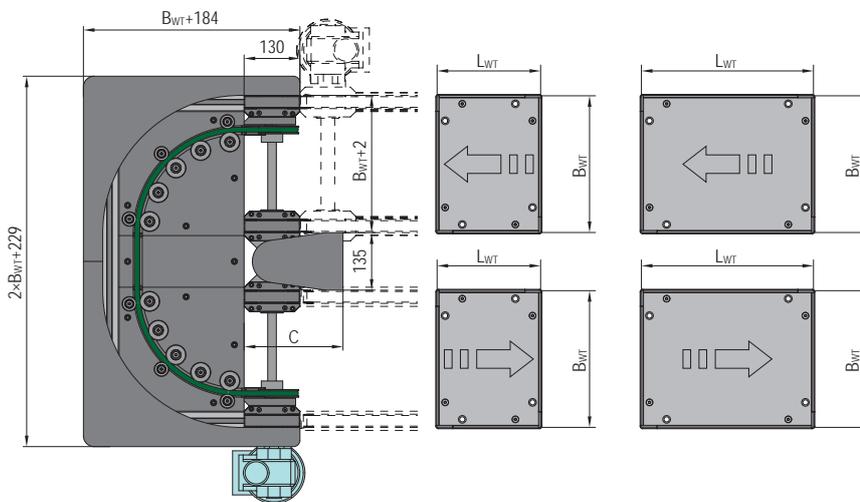
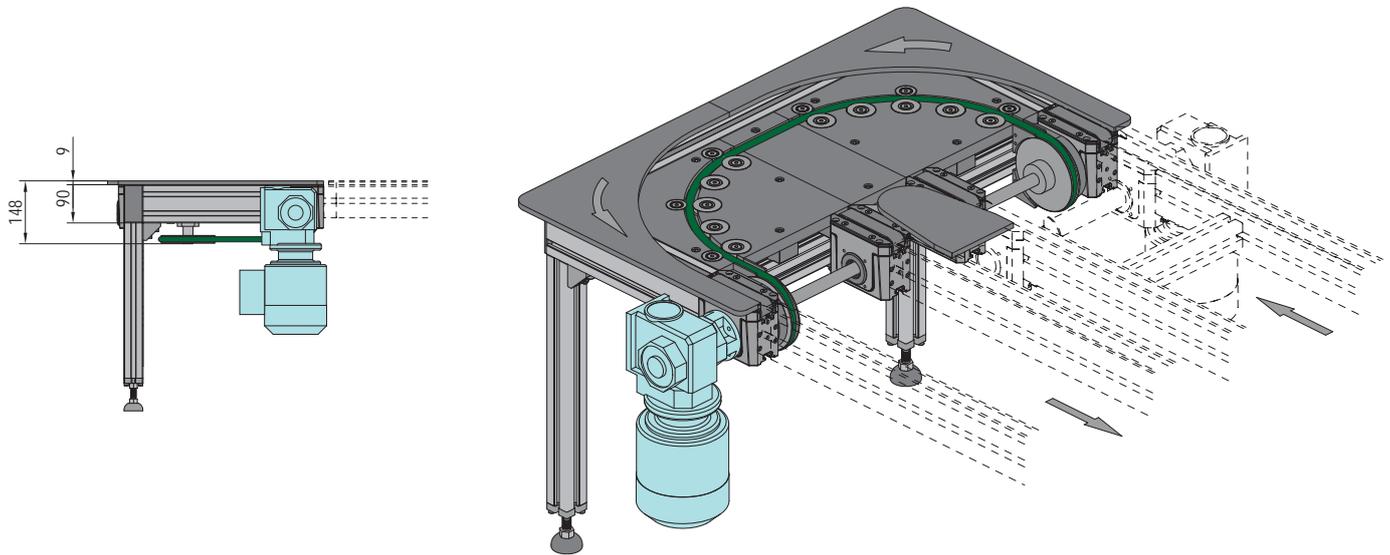
PCU90 round belt curve---self-powered---clockwise rotation---PTS1 conveyor for both input and output---pallet width of connecting main conveyor 240mm---pallet length of connecting main conveyor 320mm---transport height 650mm---curve speed 27m/min---speed of connecting main conveyor 15m/min

PCU180 Round Belt Curve

Self-powered (PCU180-IN)

 Delivery **15** Workday

 Please contact us for non-standard products



B _{WT} (mm)	L _{WT} (mm)	C(PTS1) (mm)	C(PTS2) (mm)
160	160	130	130
	240	260	300
240	160	130	130
	240	260	300
	320	260	300
320	240	260	300
	320	260	300
	400	300	300

-  Maximum Load capacity per pallet ≤ 20 kg.
-  180° curve conveying of the workpiece pallet one by one without accumulation operation.
-  Length-width ratio cannot exceed 1.5 time of the pallet itself ($L_{WT}/B_{WT} \leq 1.5$).
-  To work with WP2/S, WP2/E or WP2/C.
-  Please contact us for slave driven type.

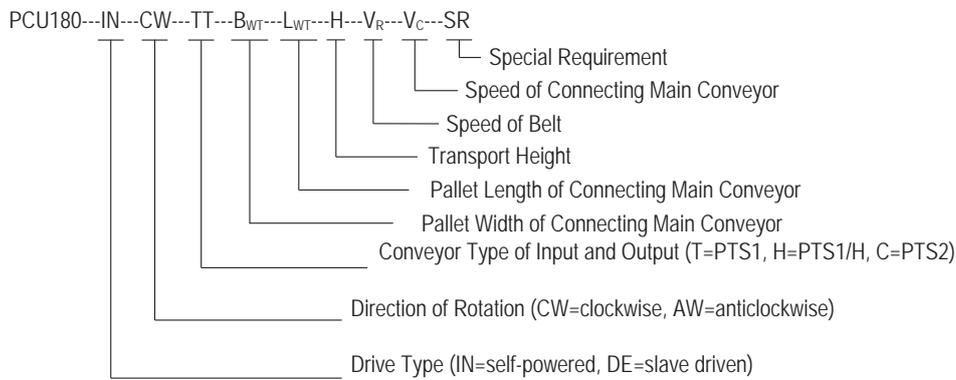
 Standard size of pallet suitable for 180° curve.



Features/Benefits

1. Modular design, independent part, simple structure, easy for assemble and maintenance.
2. 180° curve conveying of the pallet within the standard pallet width of 320mm and without changing the direction of pallet, and please contact us if large size of pallet needed.
3. T slot aluminum profile frame for easy accessory attachment(sensor, bracket etc).

Ordering Reference



Example:

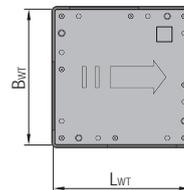
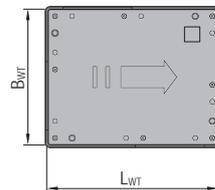
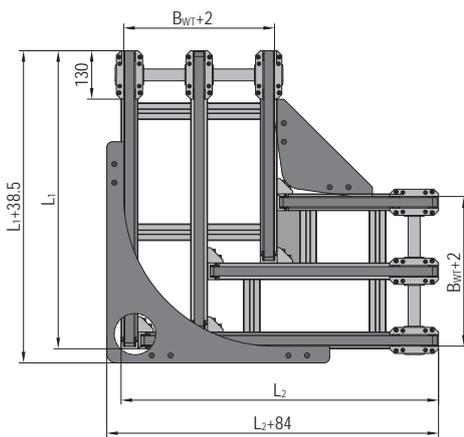
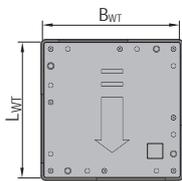
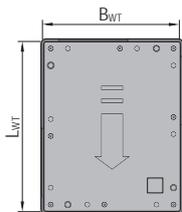
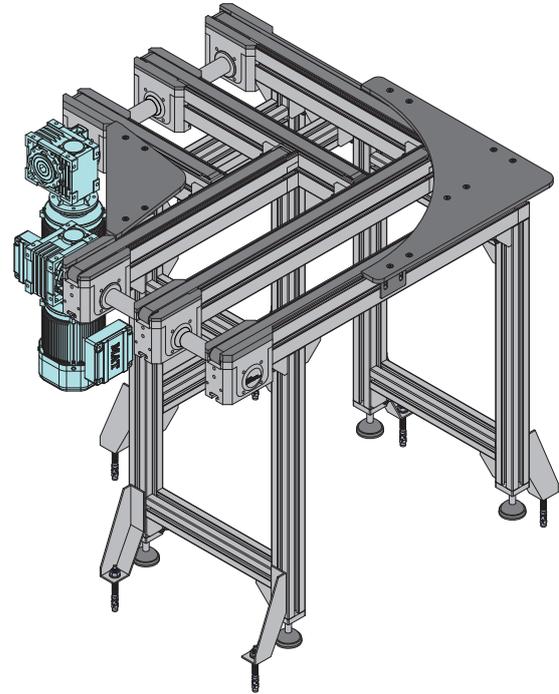
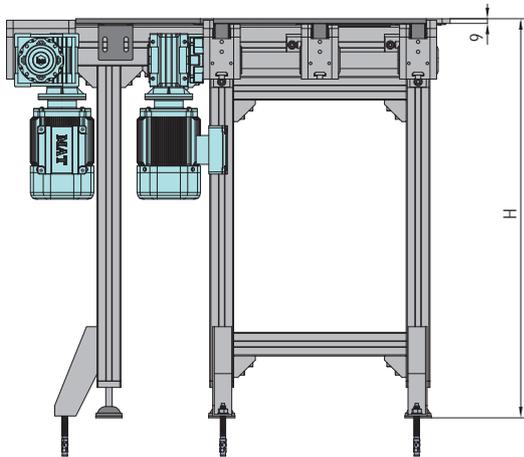
PCU180---IN---CW---TT---B_{WT}240---L_{WT}320---V_R27---V_C15

PCU180 round belt curve---self-powered---clockwise rotation---PTS1 conveyor for both input and output---pallet width of connecting main conveyor 240mm---pallet length of connecting main conveyor 320mm---transport height 650mm---curve speed 27m/min---speed of connecting main conveyor 15m/min



PFCU90 Forced Belt Curve

 Delivery **15** Workday
 Please contact us for non-standard products



B _{WT} (mm)	L _{WT} (mm)	C (mm)
240	240	267
	320	267
320	320	267
	400	307
400	320	307
	400	307

-  Maximum load capacity per pallet ≤ 30 kg.
-  90° curve conveying of the workpiece pallet one by one without accumulation operation.
-  Length-width ratio cannot exceed 1.5 time of the pallet itself ($L_{WT}/B_{WT} \leq 1.5$).
-  Conveying medium is antistatic toothed belt.

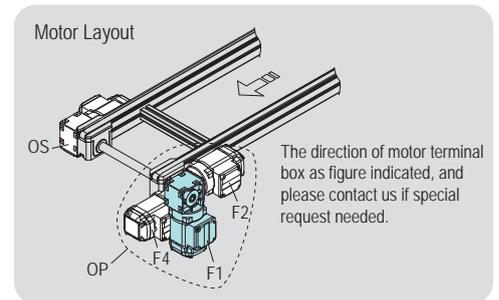
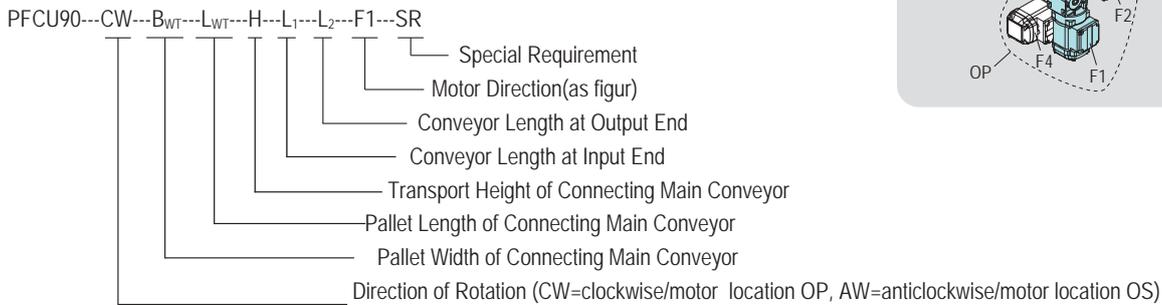
-  Standard size of pallet suitable for 180° curve.



Features/Benefits

1. Modular design, independent part, simple structure, easy for assemble and maintenance.
2. The transition speed of the curve is about 90% of the main conveyor section (According to actual load).
3. Palle 90° rotation without direction change
4. Only suitable for PTS1 conveyor
5. To work with WP2/S, WP2/E or WP2/C.

Ordering Reference



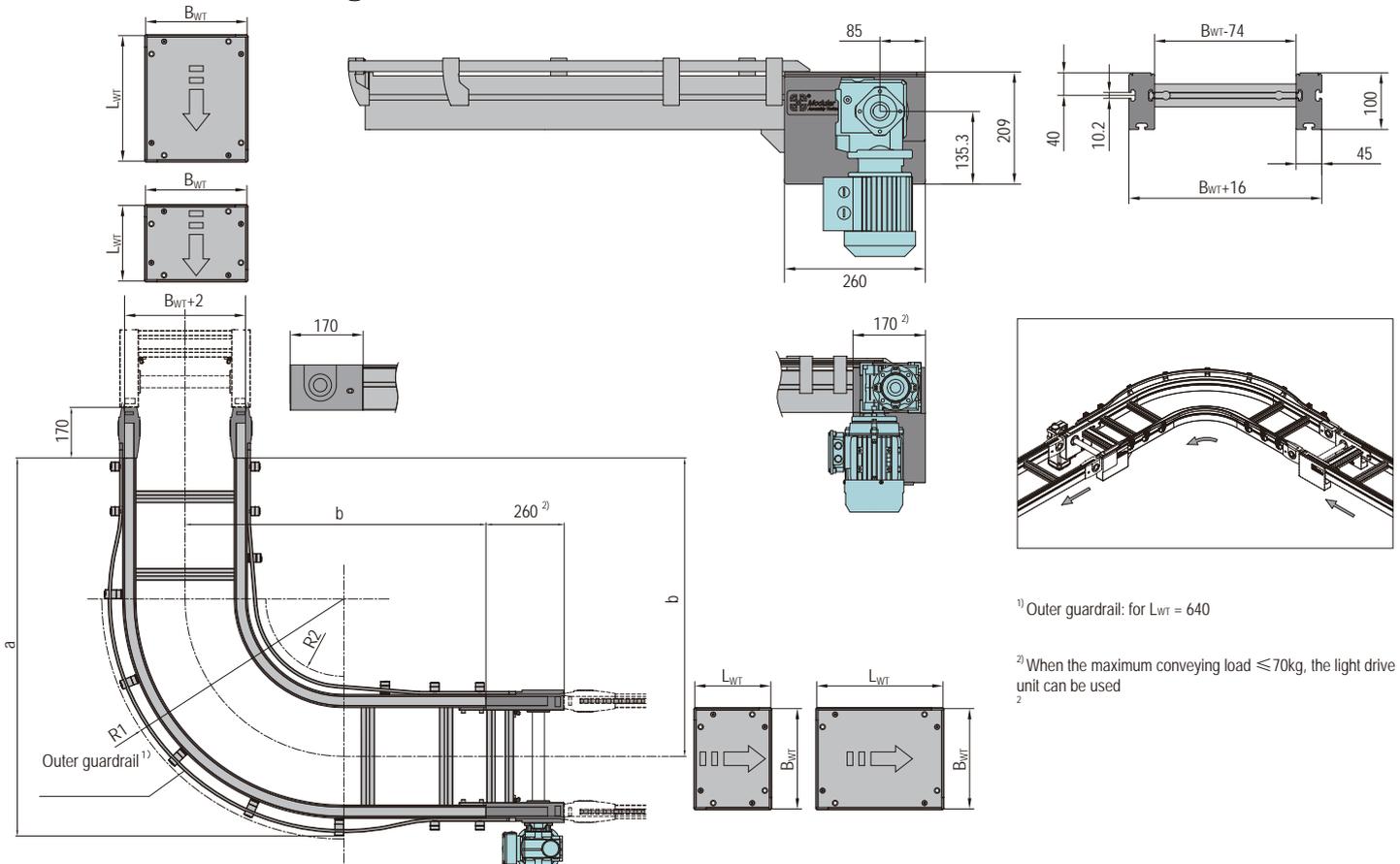
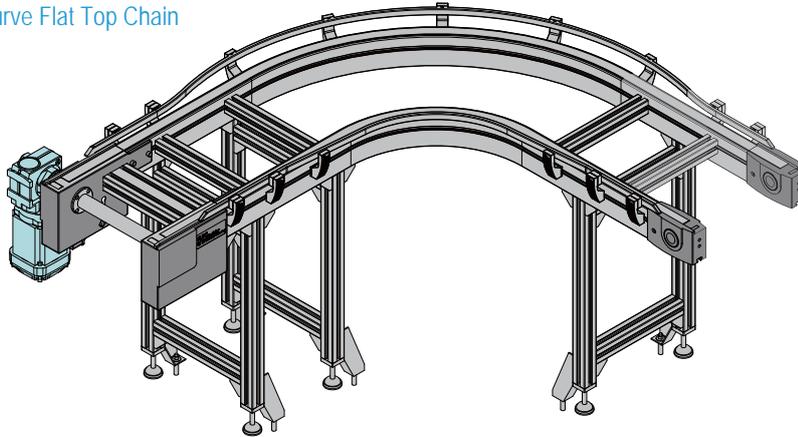
Example:

PFCU90---CW---B_{WT}240---L_{WT}320---H500---L₁800---L₂800---F1

PFCU90 forced belt curve---clockwise rotation---pallet width of connecting main conveyor 240mm---pallet length of connecting main conveyor 320mm---transport height of connecting main conveyor 500mm---conveyor length at Input end 800mm---conveyor length at output end 800mm---motor direction F1

PTS2/F Pallet Conveyor

90° Curve Flat Top Chain



¹⁾ Outer guardrail: for L_{WT} = 640

²⁾ When the maximum conveying load ≤ 70kg, the light drive unit can be used

- ⚠ To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.
- ⚠ It is suggested for one pallet passing each time. If accumulation transfer is required, the max. load capacity is 90 kg and unit load capacity is not more than 0.8 kg/cm.
- ⚠ To work with WP2/S or WP2/C.
- ⚠ AL automatic lubrication system is highly recommended for this conveyor.
- ⚠ Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.

Specifications

B _{WT} (mm)	L _{WT} (mm)	R1 ²⁾ (mm)	R2 ²⁾ (mm)	a ²⁾ (mm)	b (mm)
160	160	500	280	760	670
160	240	500	280	840	750
160	320	500	260	920	830
240	160	580	280	840	710
240	240	580	270	920	790
240	320	580	260	1000	870
240	400	580	250	1080	950
240	480	580	230	1160	1030
320	160	660	280	920	750
320	240	660	280	1000	830
320	320	660	270	1080	910
320	400	660	260	1160	990
320	480	660	240	1240	1070
400	240	740	280	1080	870
400	320	740	270	1160	950
400	400	740	260	1240	1030
400	480	740	250	1320	1110
400	640	780	250	1310	1040
480	320	820	270	1240	990
480	400	820	260	1320	1070
480	480	820	250	1400	1150
480	640	860	260	1370	1060
640	400	980	270	1480	1150
640	480	980	260	1560	1230
640	640	1020	270	1510	1120

⚠ Standard size of pallet suitable for this unit.

²⁾ R1, R2, a are dimensions for reference

Features/Benefits

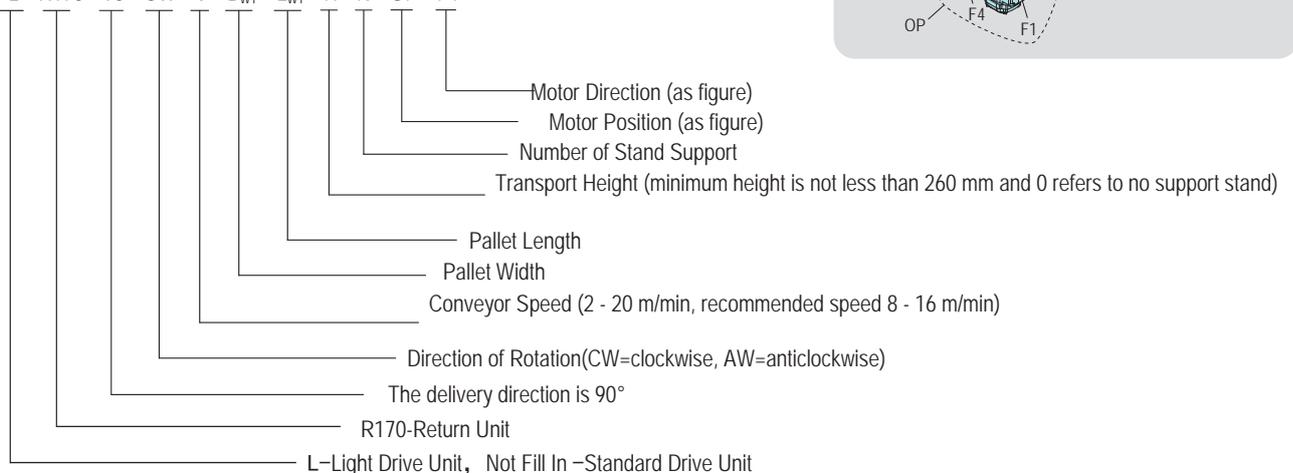
1. Modular design, part production in mold, easy to assemble and maintenance. The conveying medium is flat chain. The conveyor is suitable for 90° curve conveying of pallet.
2. Accumulation transfer is allowable. The max. load capacity is 90 kg. Be used with rotate unit, lift and transverse unit and lift unit etc.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

Ordering Reference

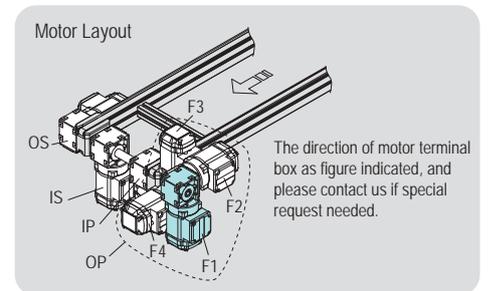
PTS2/F---L---R170---90---CW---V---B_{WT}---L_{WT}---H---N---OP---F1



Example:

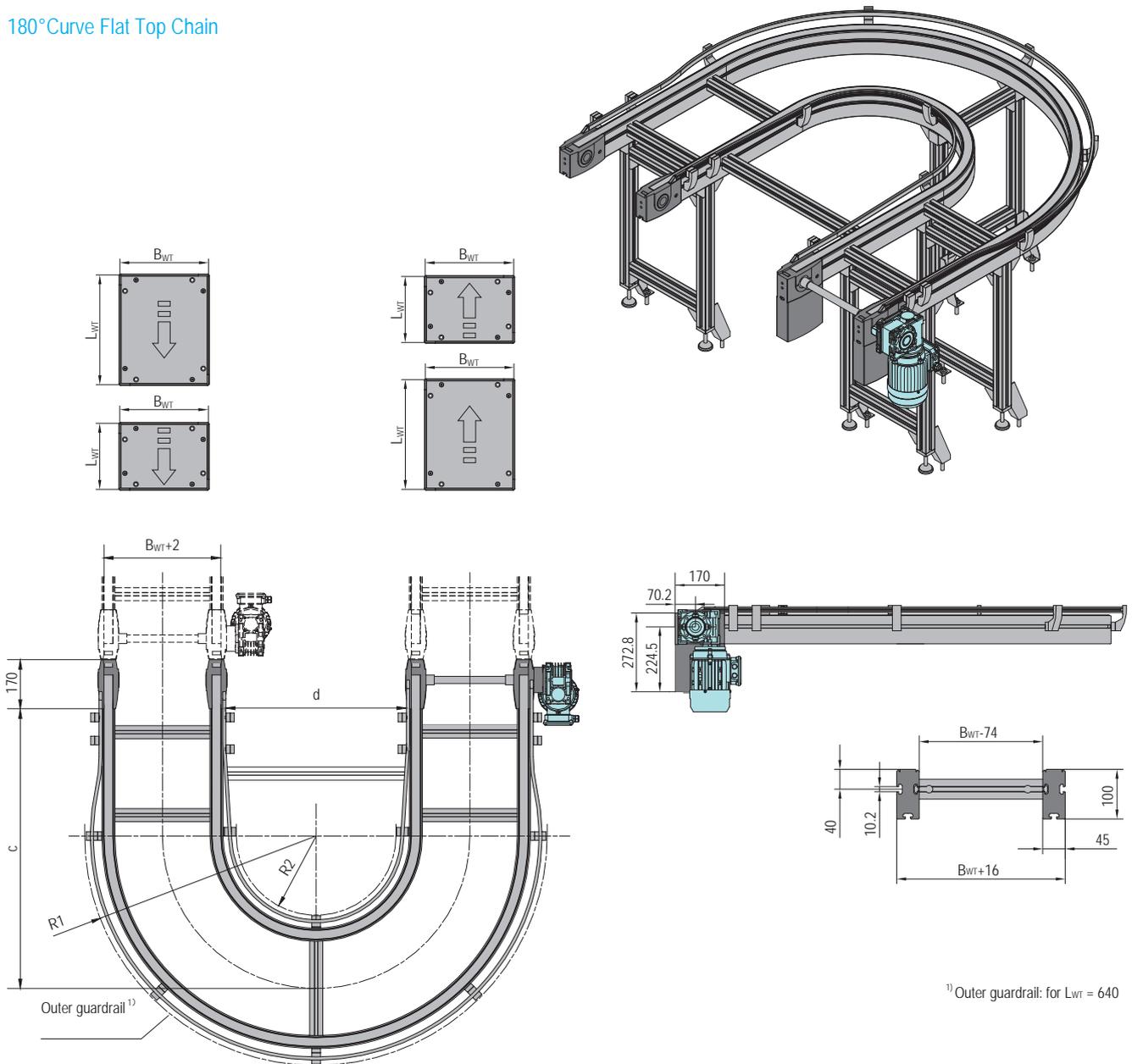
PTS2/F---L---R170---90---CW---V16---B_{WT}320---L_{WT}320---H800---N3---OP---F1

PTS2/F pallet conveyor---light drive unit---curve---R170-return unit ---the delivery direction is 90°---direction of rotation(CW=clockwise, AW=anticlockwise) --- conveyor speed 16 m/min---pallet width 320 mm---pallet length 320 mm---transport height 800mm---3 of Stand Support ---motor position OP---motor direction F1



PTS2/F Pallet Conveyor

180° Curve Flat Top Chain



¹⁾ Outer guardrail: for L_{WT} = 640

- ⚠ To be used only with Modular pallet for now. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.
- ⚠ It is suggested for one pallet passing each time. If accumulation transfer is required, the max. load capacity is 70 kg and unit load capacity is not more than 0.8 kg/cm.
- ⚠ To work with WP2/S or WP2/C.
- ⚠ AL automatic lubrication system is highly recommended for this conveyor.
- ⚠ Workpiece pallets should be conveyed toward a drive unit, reversible operation is forbidden.

Specifications

B _{WT} (mm)	L _{WT} (mm)	R1 ²⁾ (mm)	R2 ²⁾ (mm)	c ²⁾ (mm)	d (mm)
160	160	500	280	760	640
160	240	500	280	840	640
160	320	500	260	920	640
240	160	580	280	800	640
240	240	580	270	880	640
240	320	580	260	960	640
240	400	580	250	1040	640
240	480	580	230	1120	640
320	160	660	280	840	640
320	240	660	280	920	640
320	320	660	270	1000	640
320	400	660	260	1080	640
320	480	660	240	1160	640
400	240	740	280	960	640
400	320	740	270	1040	640
400	400	740	260	1120	640
400	480	740	250	1200	640
400	640	780	250	1130	640
480	320	820	270	1080	640
480	400	820	260	1160	640
480	480	820	250	1240	640
480	640	860	260	1150	640
640	400	980	270	1240	640
640	480	980	260	1320	640
640	640	1020	270	1210	640

Standard size of pallet suitable for this unit.

²⁾ R1, R2, c are dimensions for reference

Features/Benefits

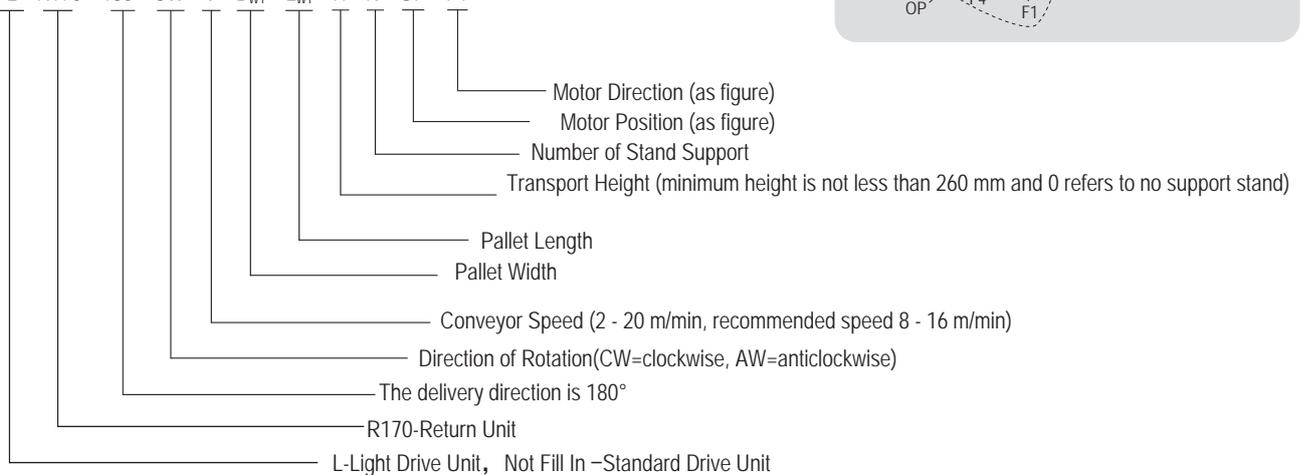
1. Modular design, part production in mold, easy to assemble and maintenance. The conveying medium is flat chain. The conveyor is suitable for 180° curve conveying of pallet.
2. Accumulation transfer is allowable. The max. load capacity is 70 kg. Be used with rotate unit, lift and transverse unit and lift unit etc.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Industries Served

Factory Automation, Home Appliances, Electronics, Automobile Parts etc.

Ordering Reference

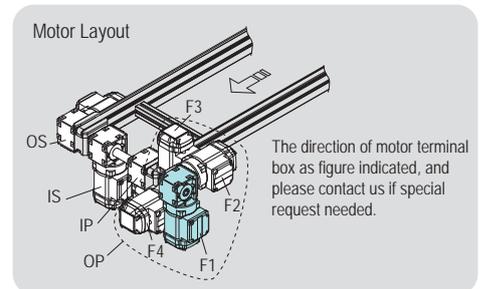
PTS2/F---L---R170---180---CW---V---B_{WT}---L_{WT}---H---N---OP---F1



Example:

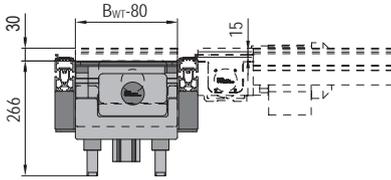
PTS2/F---L---R170---180---CW---V16---B_{WT}320---L_{WT}320---H800---N4---OP---F1

PTS2/F pallet conveyor---light drive unitcurve---R170-return unit ---the delivery direction is 180° ---direction of rotation(CW=clockwise, AW=anticlockwise) --- conveyor speed 16 m/min---pallet width 320 mm---pallet length 320 mm---transport height 800mm---4 sets of stand supports---motor position OP---motor direction F1

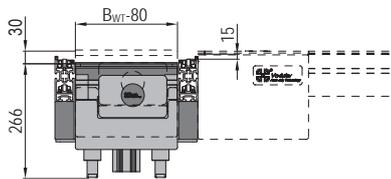


PLT60 Lift and Transverse Unit

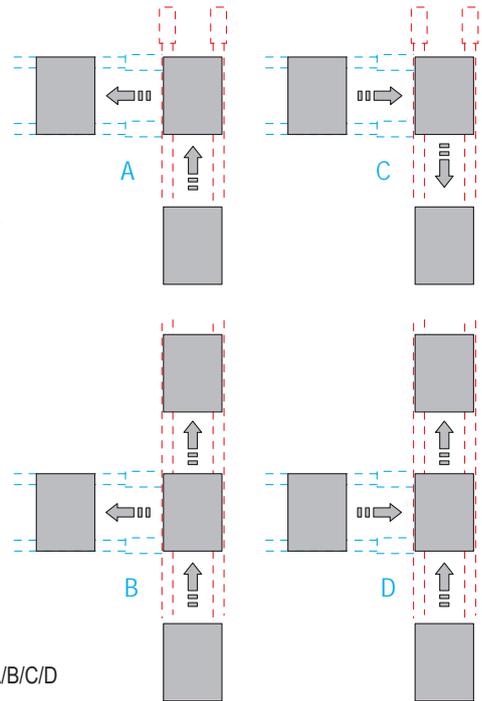
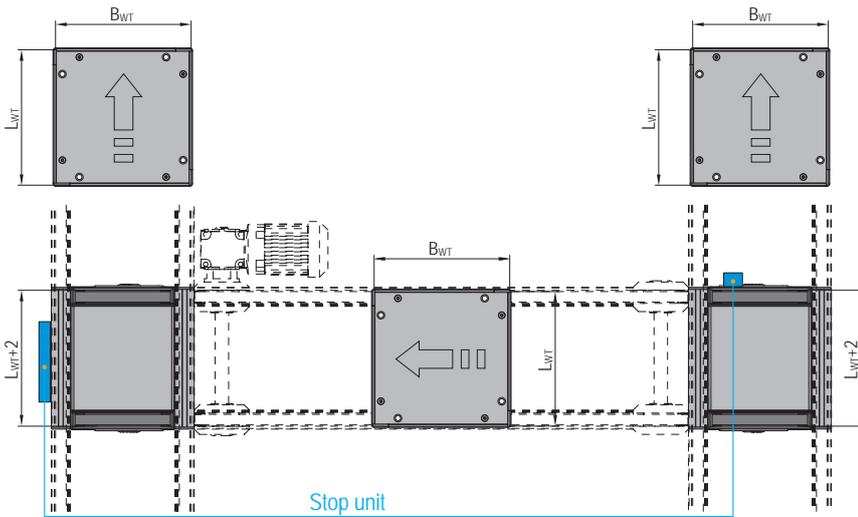
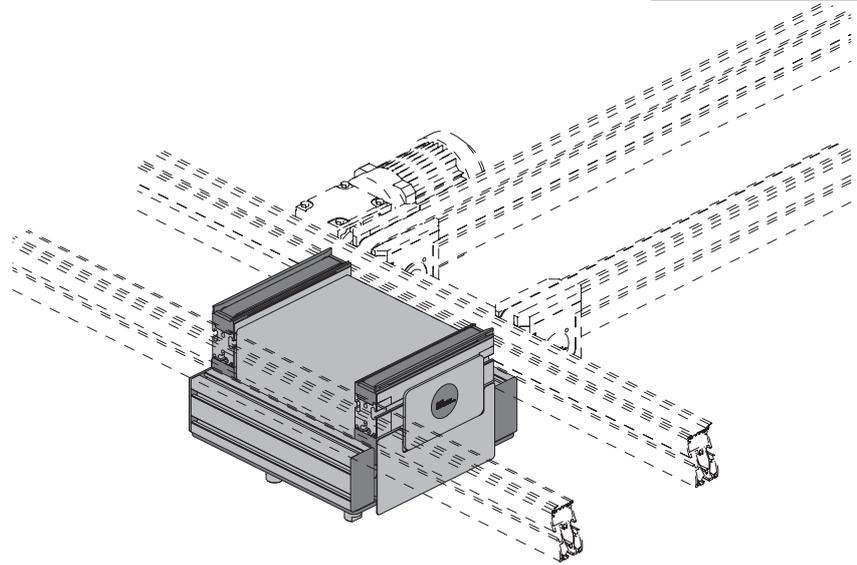
 Delivery **15** Workday
 Please contact us for non-standard products



▲ Main Conveyor PTS1 or PTS1/H



▲ Main Conveyor PTS2



-  PLT60 Lift Transverse Unit excludes stop unit.
-  Maximum load capacity per pallet ≤ 50 kg.
-  Please cross check in the following table the pallet size suitable for lift and transverse unit type A/B/C/D when the branch line is PTS1 or PTS2.

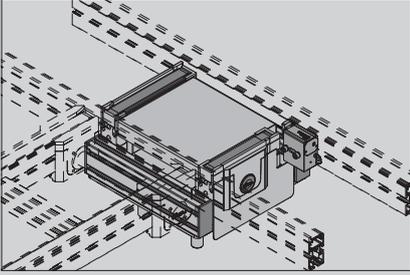
Transfer method	PTS1	PTS1/H	PTS2
A	$B_{WT} \geq 160$	$B_{WT} \geq 300$	$B_{WT} \geq 300$
B	$B_{WT} \geq 160$	$B_{WT} \geq 300$	$B_{WT} \geq 300$
C	$B_{WT} \geq 160$	$B_{WT} \geq 240$	$B_{WT} \geq 240$
D	$B_{WT} \geq 160$	$B_{WT} \geq 240$	$B_{WT} \geq 240$

--- Main line
--- Branch



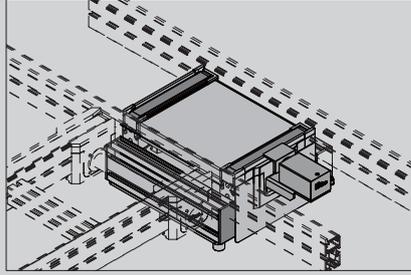
Other Types of Lift and Transverse Unit

PLT60 Lift and Transverse Unit - Unequal Side



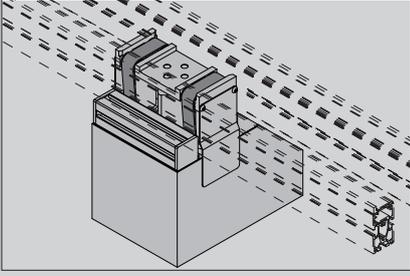
B _{WT} (mm)	L _{WT} (mm)
320	320
	400
	480
400	320
	400
	480
480	320
	400
	480

PLT60 Lift and Transverse Unit - Three-position Cylinder



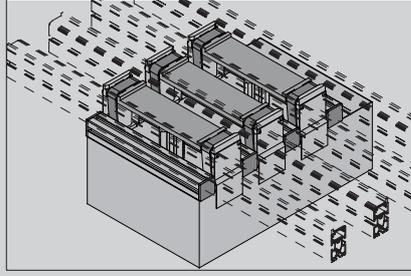
B _{WT} (mm)	L _{WT} (mm)
320	320
	400
	480
400	320
	400
	480
480	320
	400
	480

PLT30 Lift and Transverse Unit - Small Pallet



B _{WT} (mm)	L _{WT} (mm)
160	160
	240
	320
240	240
	320
	400
	480

PLT30 Lift and Transverse Unit - Triplet Unit

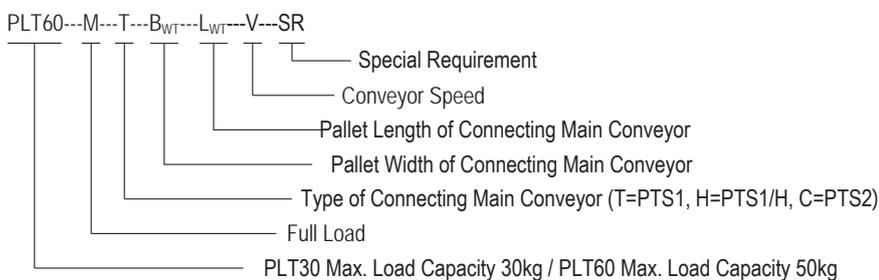


B _{WT} (mm)	L _{WT} (mm)
160	160
	240
	320
240	240
	320
	400
	480

 Please contact us for non-standard size of pallet.

Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Lift and transverse unit move the workpiece pallets from a transverse conveyor section onto a longitudinal conveyor section with changing direction of pallet.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.

Ordering Reference


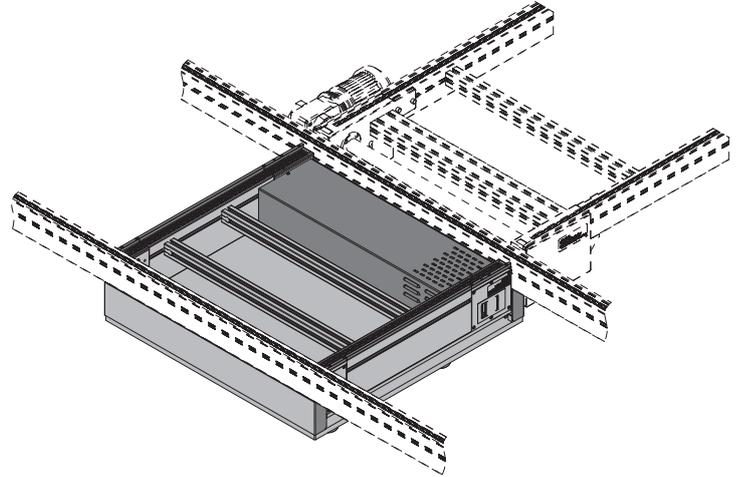
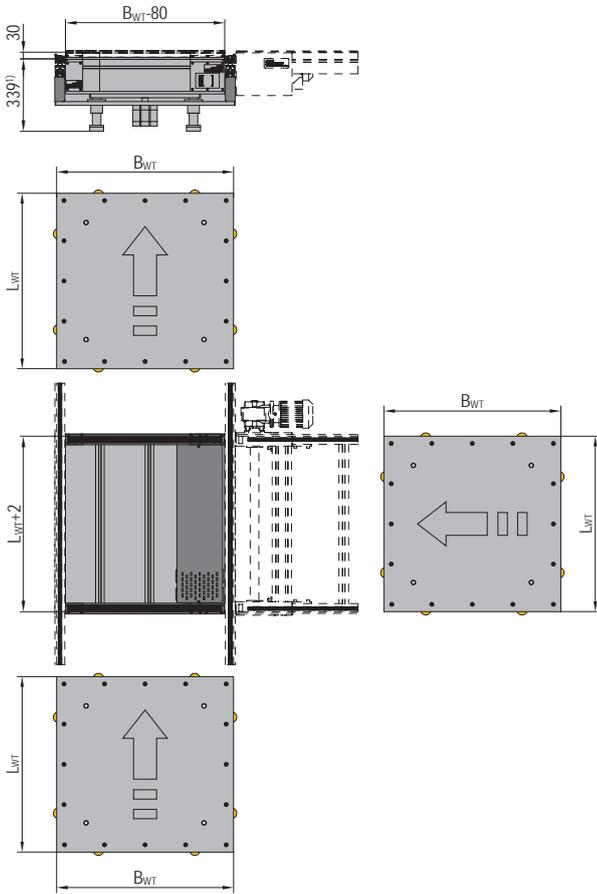
Example:

PLT60---M30---T---B_{WT}320---L_{WT}320---V10

PLT60 lift and transverse unit--full load 30 kg--main conveyor of PTS1--pallet width of connecting main conveyor 320 mm--pallet length of connecting main conveyor 320mm--conveyor speed 10m/min



PLT200 Lift and Transverse Unit



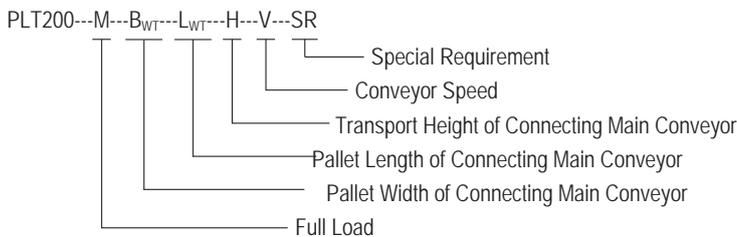
¹⁾ Dimension for reference, please contact us for actual parameter.

- ⚠ PLT200 lift and transverse unit excludes stop unit.
- ⚠ Maximum load capacity per pallet ≤ 200 kg.

Features/Benefits

1. Modular design with practical performance.
2. Lift and transverse unit move the workpiece pallets from a transverse conveyor section onto a longitudinal conveyor section with changing direction of pallet.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).

Ordering Reference



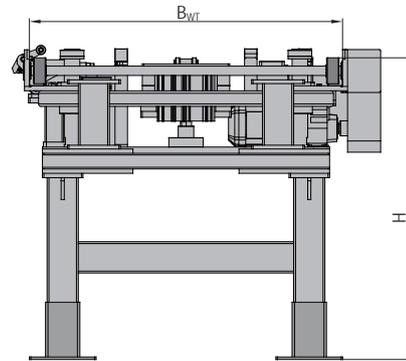
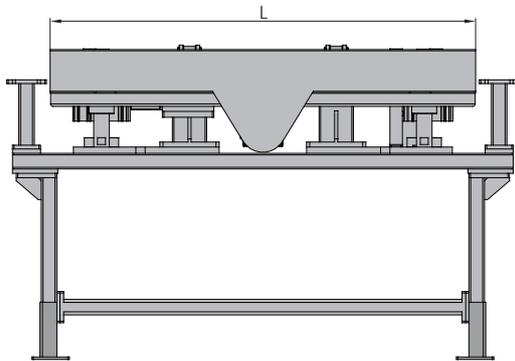
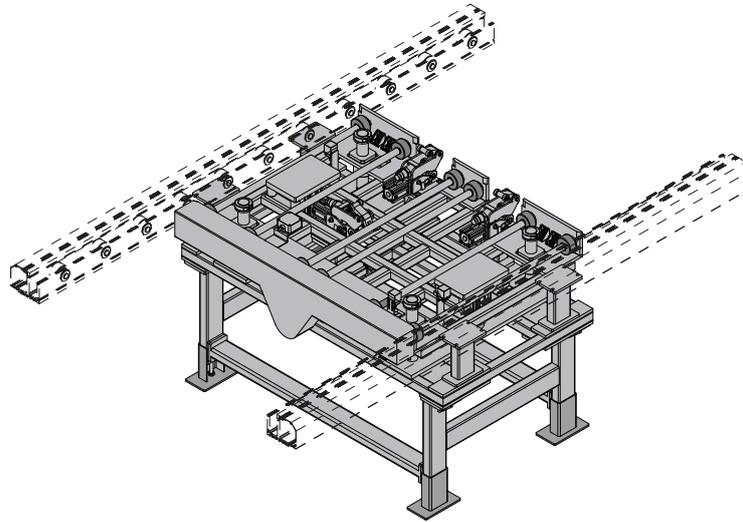
Example:

PLT200---M200---B_{WT}600---L_{WT}800---H600---V10

PLT200 lift and transverse unit---full load 200 kg---pallet width of main conveyor 600 mm---pallet length of main conveyor 800 mm---conveyor speed 10 m/min



PLT1000 Lift and Transverse Unit

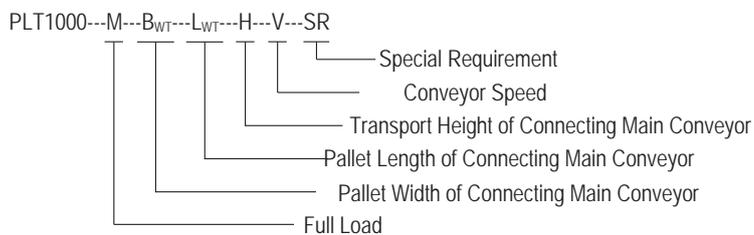


 Please contact us for more details.

Features/Benefits

1. Modular design with practical performance.
2. Lift transverse unit move the workpiece pallets from a transverse conveyor onto a longitudinal conveyor section with changing the direction of pallet.
3. In conjunction with pallet conveyors of heavy duty.

Ordering Reference



Example:

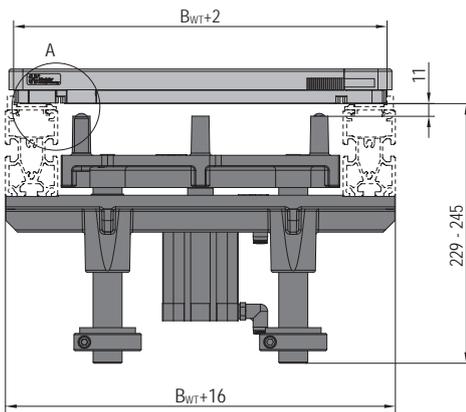
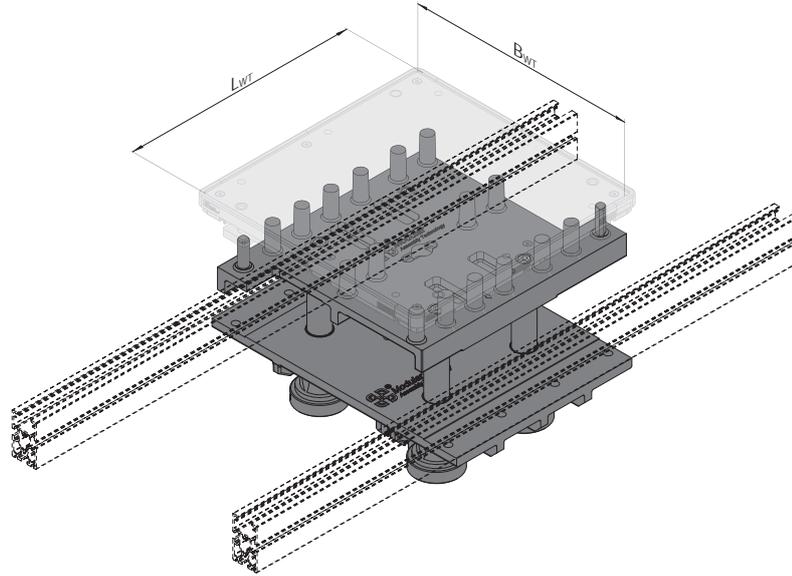
PLT1000---M800---B_{WT}600---L_{WT}800---H600---V10

PLT1000 lift and transverse unit---full load 800 kg---pallet width of main conveyor 600 mm---pallet length of main conveyor 800 mm---transport height 600 mm---conveyor speed 10 m/min

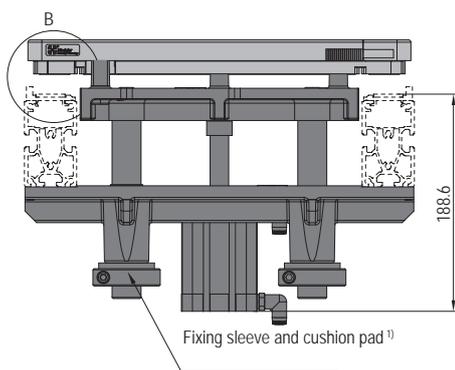
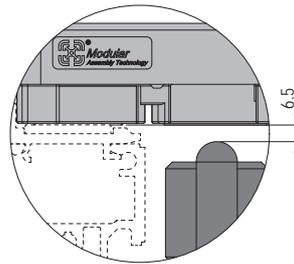


PPE30 Lift and Positioning Unit

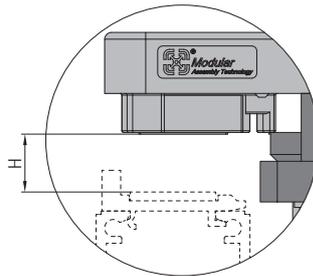
 Delivery **15** Workday
 Please contact us for non-standard products



A Enlargement



B Enlargement



 Suitable for standard WP2/S, WP2/E or WP2/C pallet

B _{WT} (mm)	L _{WT} (mm)	B _{WT} (mm)	L _{WT} (mm)
160	160	320	400
	240		480
	320	400	240
240	160		320
	240		400
	320		480
	400	480	240
320	160		320
	240		400
	320		480

¹⁾ B_{WT} ≤ 240 mm, without fixing sleeve and cushion pad.

 Rate route H_{WP2/S} = 17 mm; H_{WP2/C} = 10 mm

 PPE30 Lift and positioning unit excludes stop unit.

 Maximum load capacity per pallet ≤ 30 kg

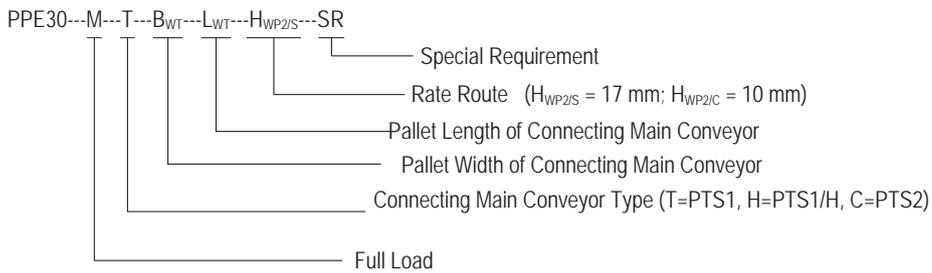
 To be used only with Modular pallet. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.



Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Positioning accuracy ± 0.1 mm, to locate the pallet on the work place.
3. To locate the positioning sleeve with positioning bushing.
4. To work with WP2/S, WP2/E and WP2/C pallet.

Ordering Reference



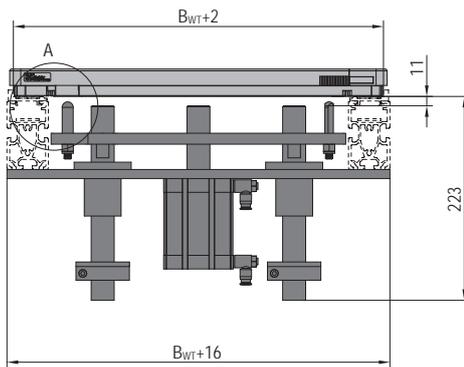
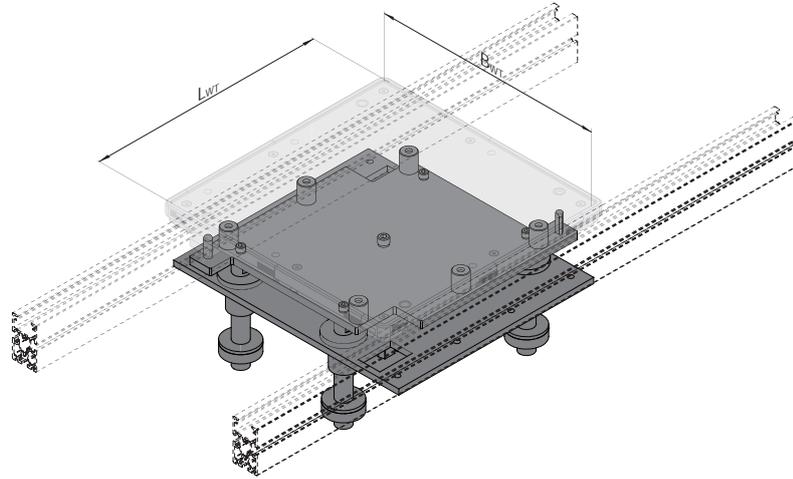
Example:

PPE30---M30---T---B_{WT}240---L_{WT}320---H_{WP2/S}

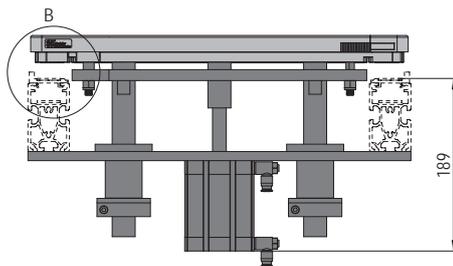
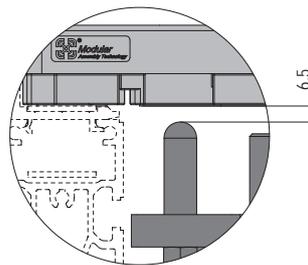
PPE30 lift and positioning unit---full load 30 kg---PTS1---pallet width of connecting main conveyor 240 mm---pallet length of connecting main conveyor 320 mm---used with WP2/S pallet, rate route 17 mm



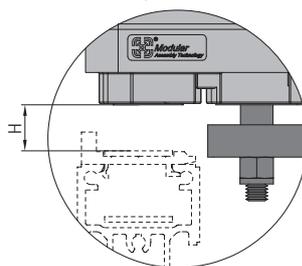
PPE60 Lift and Positioning Unit


 Delivery **15** Workday
 Please contact us for non-standard products


A Enlargement



B Enlargement


 Suitable for standard WP2/S, WP2/E or WP2/C pallet

B _{WT} (mm)	L _{WT} (mm)	B _{WT} (mm)	L _{WT} (mm)
240	240	400	480
	320		560
	400		640
	480	480	480
320	320		560
	400		640
	480	560	560
	560		640
	640	640	640
400	400		

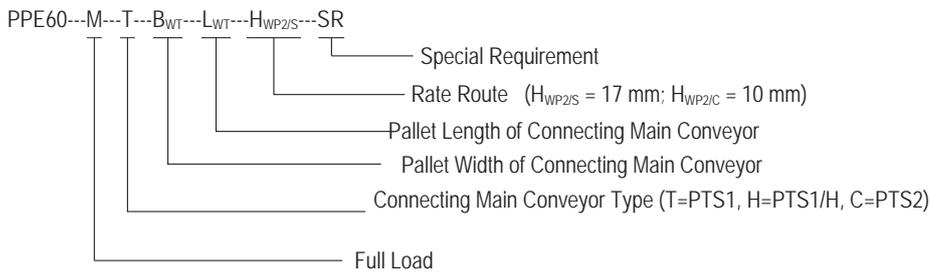
-  Rate route H_{WP2/S} = 17 mm; H_{WP2/C} = 10 mm
-  PPE60 Lift and positioning unit excludes stop unit.
-  Maximum load capacity per pallet ≤ 60 kg, contact us for non-standard load requirement.
-  To be used only with Modular pallet. For the pallet from other suppliers or made by customers, we need to verify for the compatibility in advance, or we don't guarantee on the main conveyor line or related units.



Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Positioning accuracy ± 0.1 mm, to locate the pallet on the work place.
3. To locate the positioning sleeve with positioning bushing.
4. To work with WP2/S, WP2/E and WP2/C pallet.

Ordering Reference

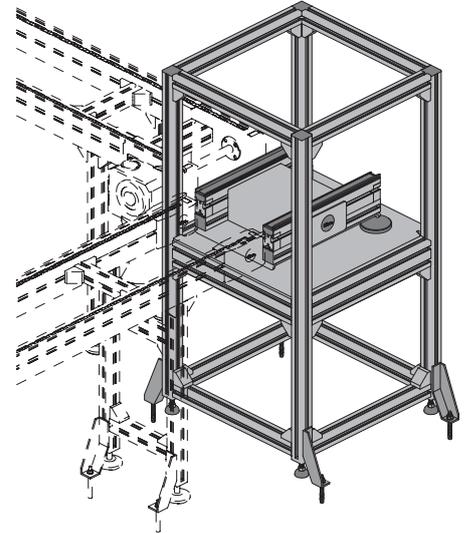
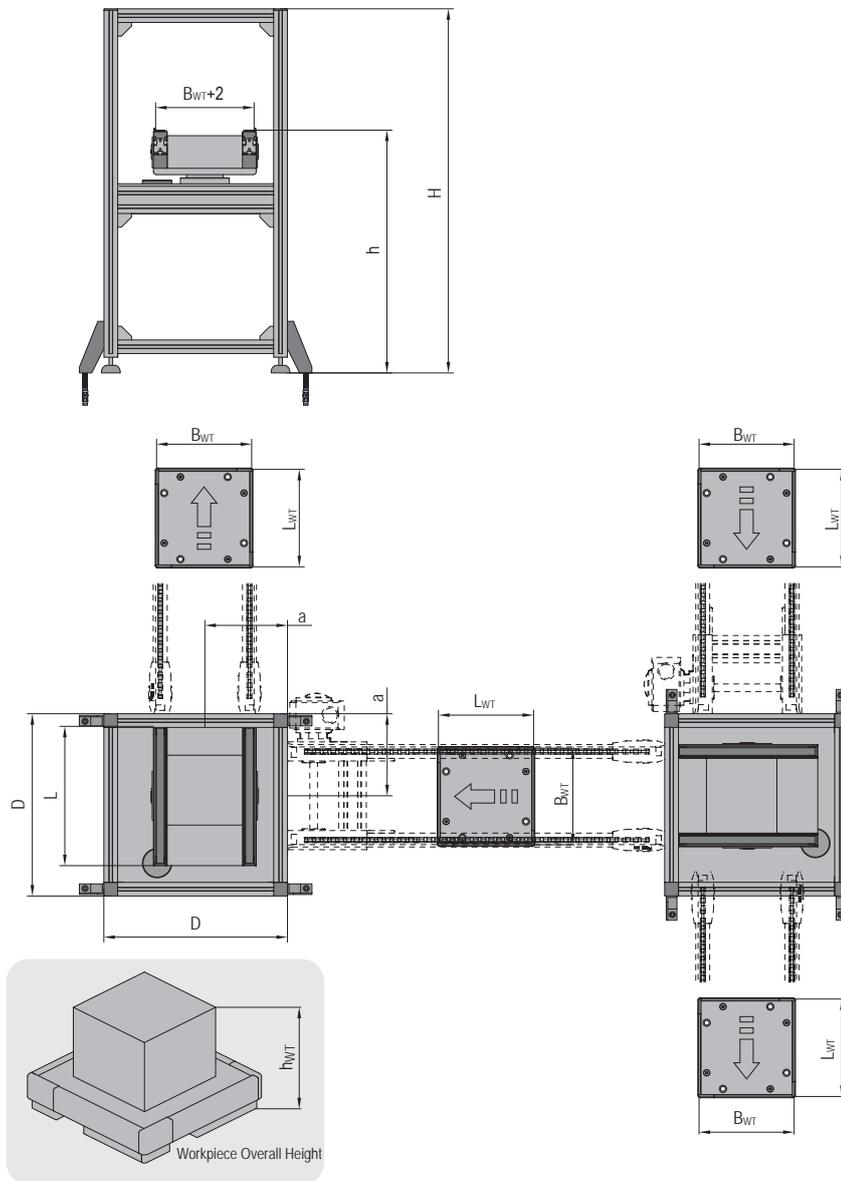


Example:

PPE60---M60---T---B_{WT}240---L_{WT}320---H_{WP2/S}

PPE60 lift and positioning unit---full load 60 kg---PTS1---pallet width of connecting main conveyor 240 mm---pallet length of connecting main conveyor 320 mm---rate route $H_{WP2/S}$

PRO60 Rotate Unit


 Delivery **15** Workday
 Please contact us for non-standard products


B _{WT} (mm)	L _{WT} (mm)	L (mm)	a (mm)	D (mm)
160	240	400	220	540 ★
	320	460	250	570 ★
240	240	400	230	550 ★
	320	460	260	570 ★
	400	540	295	675 ★
	480	620	335	690 ★
320	240	400	240	550
	320	460	270	600
	400	540	310	675
	480	620	350	750
400	240	480	280	645
	320	480	280	645
	400	540	310	700
	480	620	350	770
480	240	560	320	740
	320	560	320	740
	400	560	320	740
	480	620	350	795

-  Maximum load capacity per pallet ≤ 50 kg.
-  Pay attention when selecting: $H \geq h + h_{WT} + 90$ mm.
-  When $L_{WT} \leq 240$ mm, PTS1 will be chosen for interconnection.
-  The motor of return conveyor will be arranged under the return plate when the pallet with ★ is chosen and the height of return conveyor will be increased by 130 mm.
-  The pneumatic non-return valve is included to keep stable operation. Rotation $90^\circ \geq 2$ s when the pallet length/width ≤ 320 mm, rotation $90^\circ \geq 3$ s when the pallet length/width > 320 mm and < 480 mm. Please contact for special requirement.

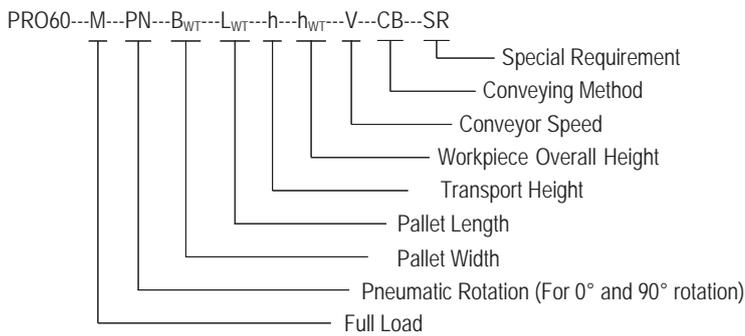
 Standard size of pallet suitable for 30kg rotate unit.



Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Rotate unit with pneumatic cylinder conveying of the pallet 90° curve without changing the direction of pallet.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.

Ordering Reference

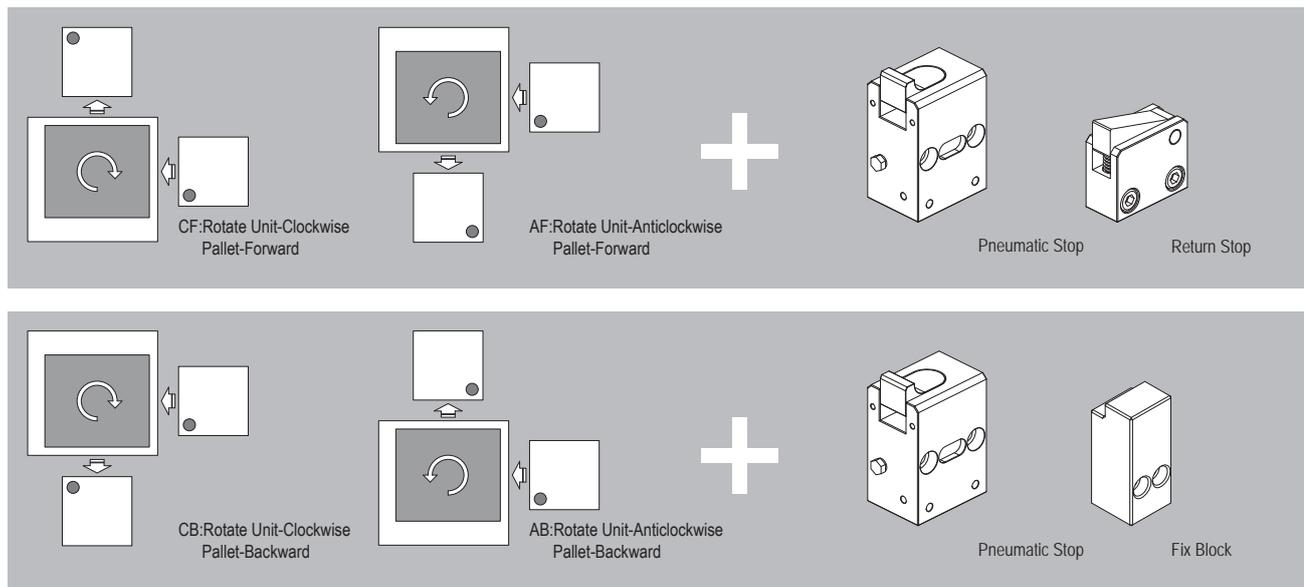


Example:

PRO60---M30---PN---B_{WT}320---L_{WT}400---h650---h_{WT}100---V10---CB

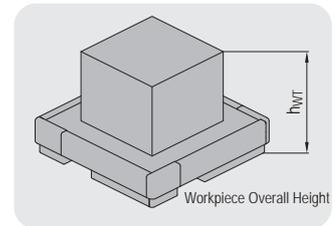
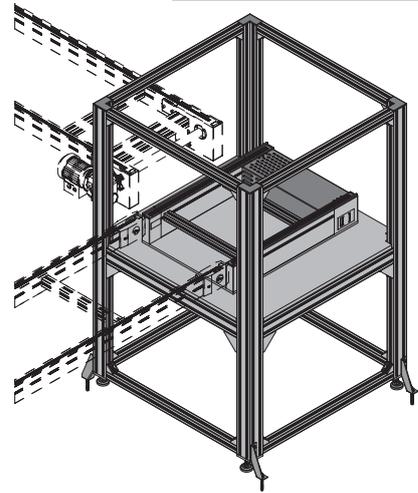
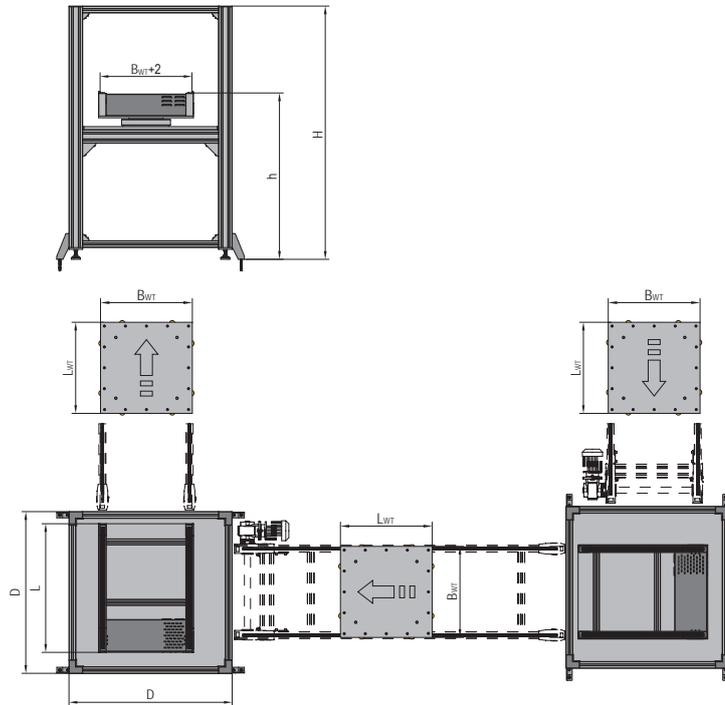
PRO60 rotate unit---full load 30 kg---pneumatic rotation---pallet width 320 mm--pallet length 400 mm---transport height 650 mm---workpiece overall height 100 mm
---conveyor speed 10 m/min---Rotate Unit: Clockwise Pallet: Backward

Conveying method



PRO200 Rotate Unit

 Delivery **15** Workday
 Please contact us for non-standard products

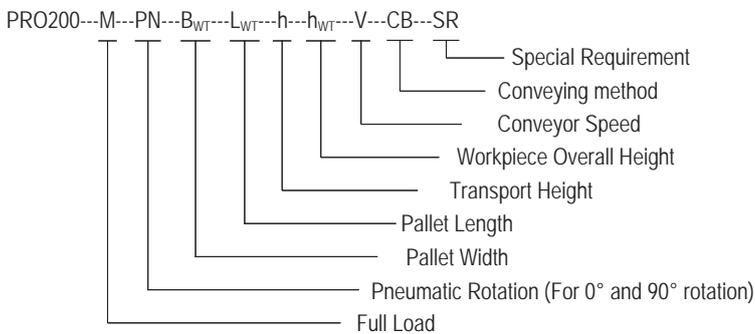


Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Rotate unit with pneumatic cylinder conveying of the pallet 90° curve without changing the direction of pallet.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is 06B steel double chain.

- ⚠ Maximum load capacity per pallet ≤ 200 kg.
- ⚠ Pay attention when selecting: $H \geq h + h_{WT} + 90$ mm.

Ordering Reference



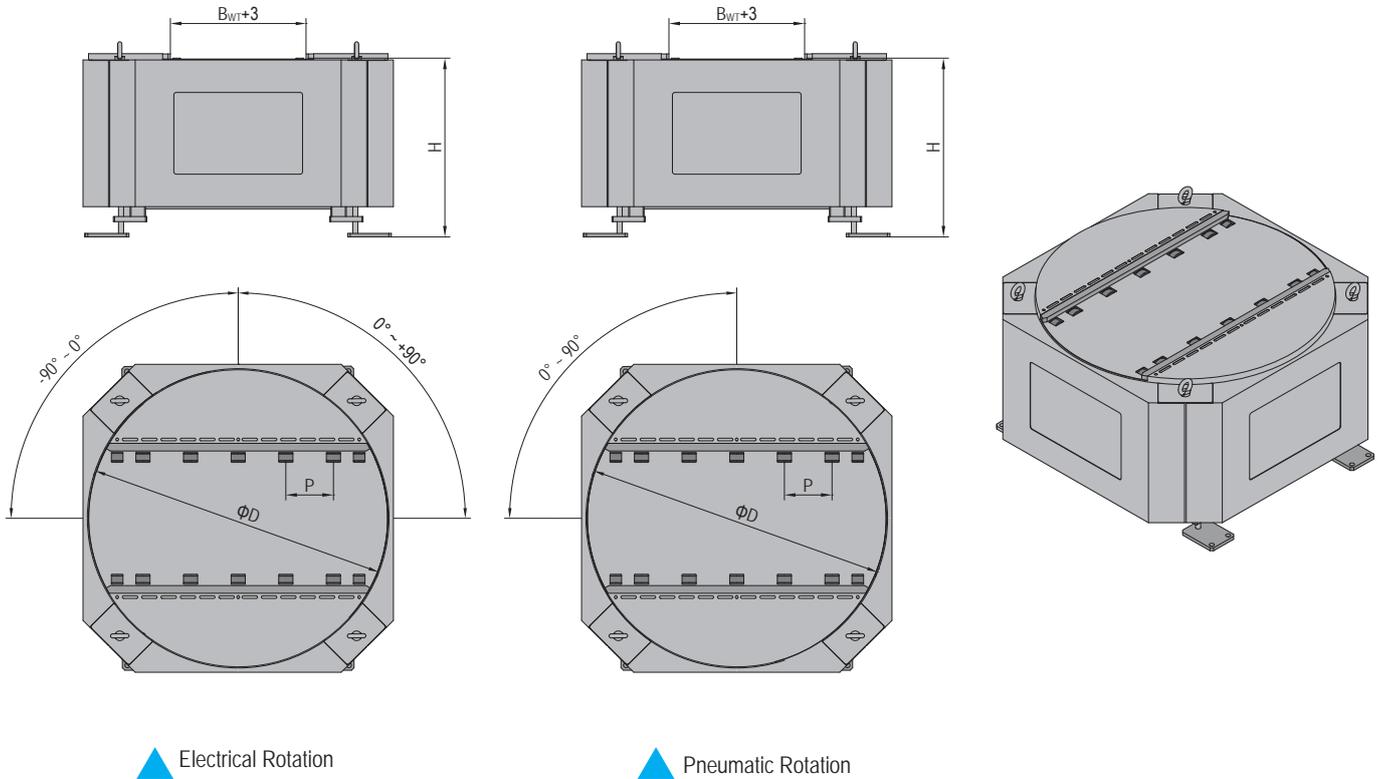
Example:

PRO200---M200---PN---B_{WT}320---L_{WT}400---h650---h_{WT}100---V10---CB

PRO200 rotate unit---full load 200 kg---pneumatic rotation---pallet width 320 mm---pallet length 400 mm---transport height 650 mm---workpiece overall height 100 mm---conveyor speed 10 m/min---Rotate Unit: Clockwise Pallet: Backward.



PRO1000 Rotate Unit

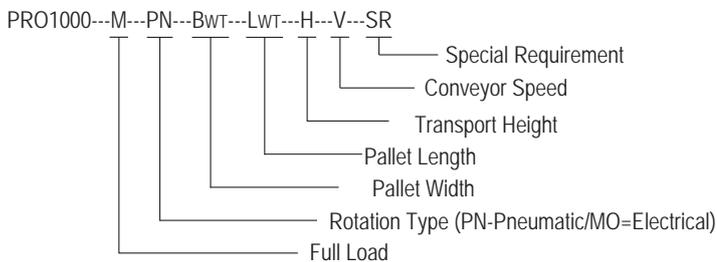


⚠ Please contact us for more details.

Features/Benefits

1. Rotate unit of pneumatic or electrical is used to turn the orientation of the workpiece pallet 90° or 180° without changing the direction of pallet.
2. In conjunction with PTS5 pallet conveyors.

Ordering Reference



Example:

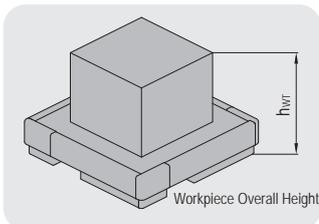
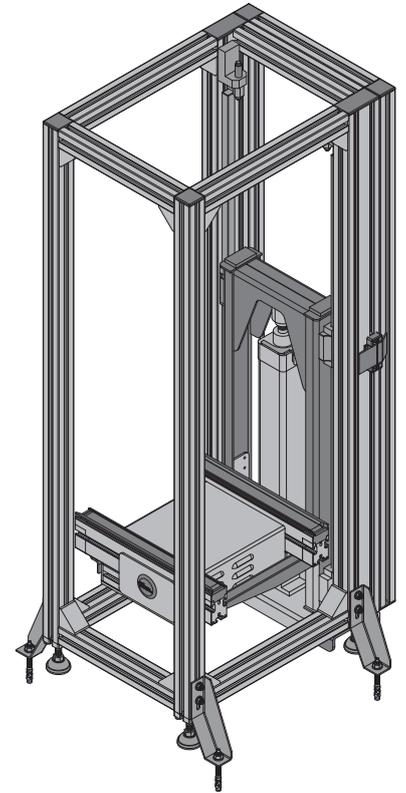
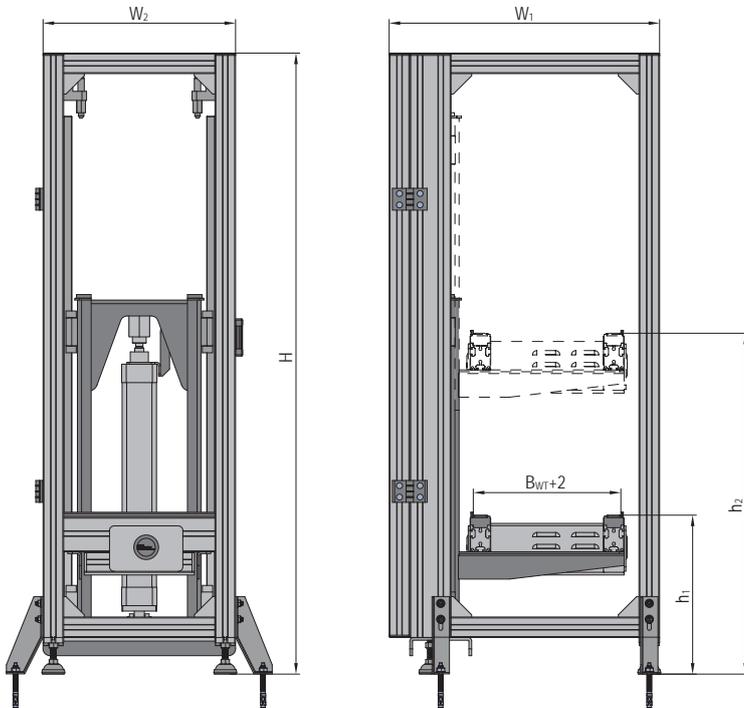
PRO1000---M800---PN---BWT600---LWT800---H600---V10

PRO1000 rotate unit---full load 800 kg---pneumatic rotation---pallet width 600 mm---pallet length 800 mm---transport height 600 mm---conveyor speed 10 m/min

PLI60 Lift Unit


 Delivery **20** Workday
 Please contact us for non-standard products

Lift Unit - Cylinder With Rod (PLI60-SC)



B _{WT} (mm)	W1 (mm)	L _{WT} (mm)	W2 (mm)
160	530	160	420
240	530	240	420
320	590	320	420
400	670	400	500
480	750	480	580

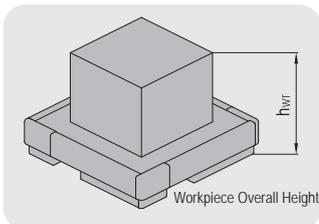
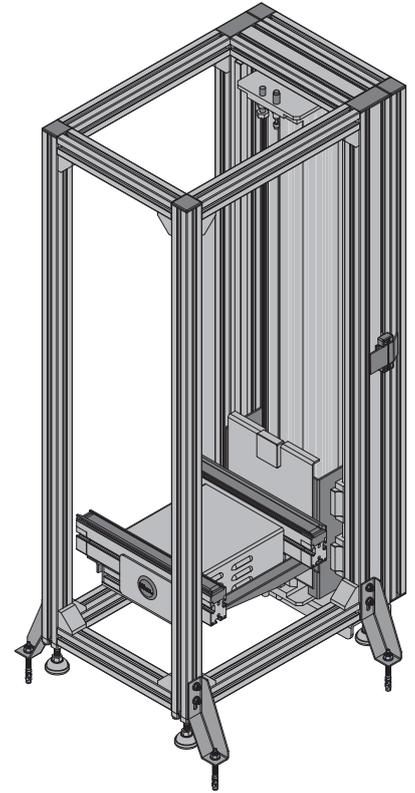
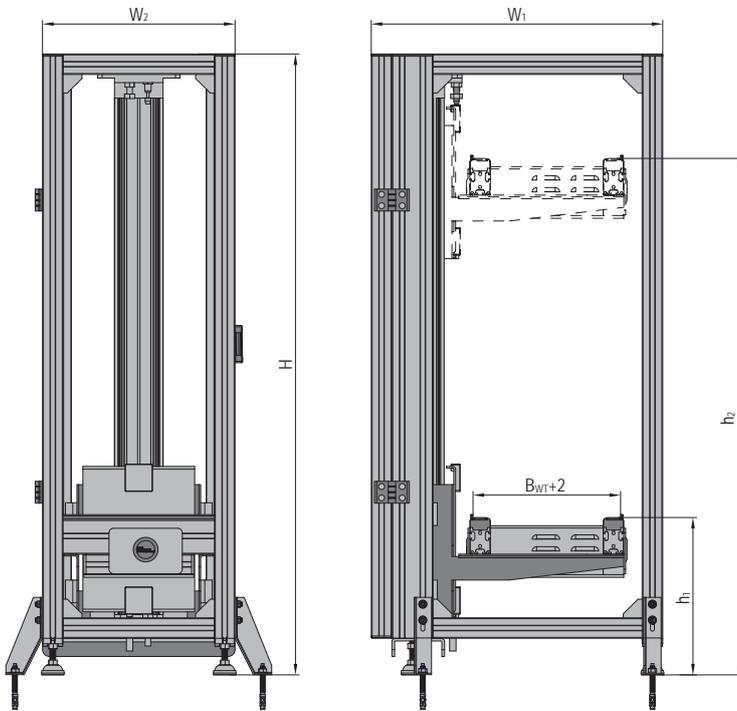
 Suitable for all standard size of Modular workpiece pallet.

-  Maximum load capacity per pallet ≤ 50 kg.
-  $h_{1min} = 260$ mm, contact us for height less than 260mm.
-  Pay attention when selecting: When upper conveyor is PTS1, $h_2 - h_1 \geq h_{WT} + 130$;
When upper conveyor is PTS2, $h_2 - h_1 \geq h_{WT} + 230$.
-  The pneumatic non-returning valve is included to keep stable operation, lifting speed ≤ 260 mm/s, and please contact us for special request.



Lift Unit - Rodless Cylinder (PLI60-RC)

 Delivery **20** Workday
 Please contact us for non-standard products

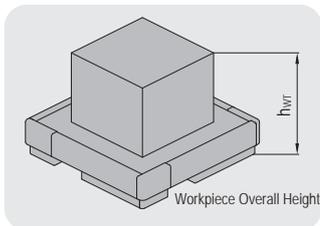
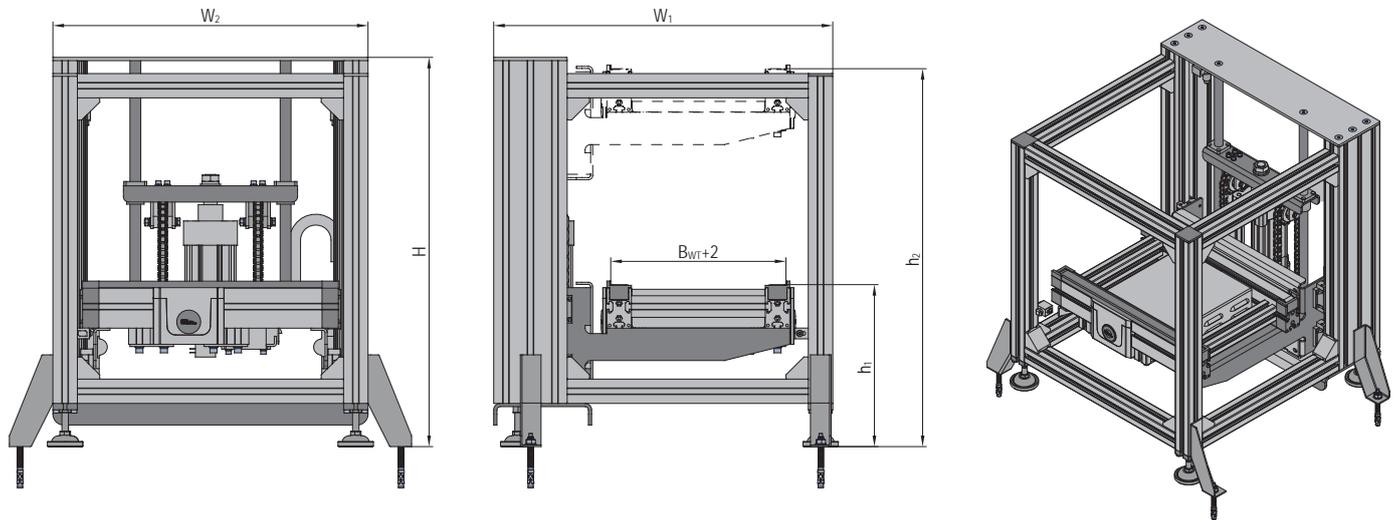


B_{WT} (mm)	W_1 (mm)	L_{WT} (mm)	W_2 (mm)
160	580	160	420
240	580	240	420
320	640	320	420
400	720	400	500
480	800	480	580

 Suitable for all standard size of Modular workpiece pallet.

-  Maximum load capacity per pallet ≤ 50 kg.
-  $h_{1min} = 260$ mm, contact us for height less than 260mm.
-  Pay attention when selecting: When upper conveyor is PTS1, $h_2-h_1 \geq h_{WT}+130$;
When upper conveyor is PTS2, $h_2-h_1 \geq h_{WT}+230$.
-  The pneumatic non-returning valve is included to keep stable operation, lifting speed ≤ 260 mm/s, and please contact us for special request.

Lift Unit - Double Stroke (PLI60-DS)

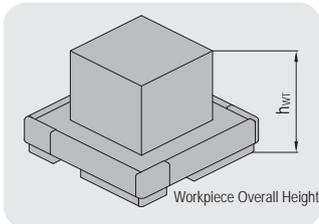
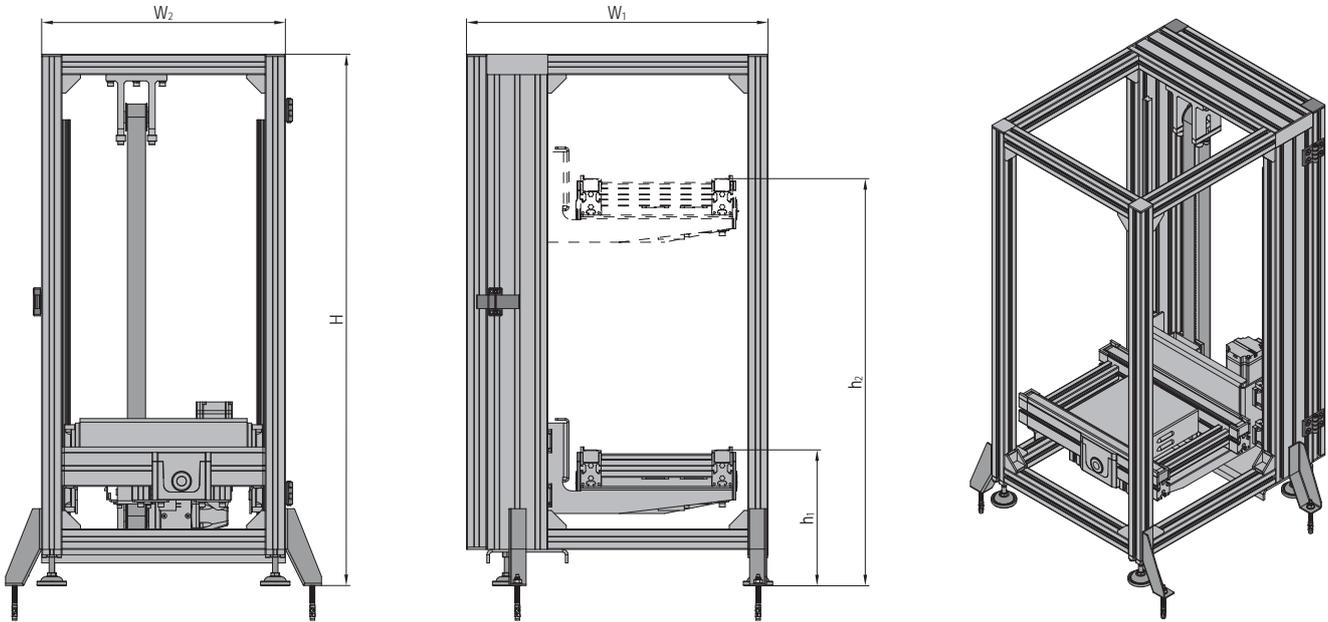

 Delivery **20** Workday
 Please contact us for non-standard products


B_{WT} (mm)	W_1 (mm)	L_{WT} (mm)	W_2 (mm)
160	508	160	515
240	588	240	515
320	668	320	515
400	748	400	579
480	828	480	659

-  Maximum load capacity per pallet ≤ 50 kg.
-  When $h_1 < 330$, $W_1 = B_{WT} + 348$, $W_2 \geq 515$, $H = h_2 - h_1 + 321$.
When $h_1 \geq 330$, $W_1 = B_{WT} + 348$, $W_2 \geq 515$, $H = h_2 - 9$.
-  Pay attention when selecting: $h_2 - h_1 \leq h_{WT} + 60$.
-  The pneumatic non-returning valve is included to keep stable operation, lifting speed ≤ 260 mm/s, and please contact us for special request.
-  No protection on the top, contact us if the protection on the top is required.



Lift Unit - Timing Belt (PLI60-TB)



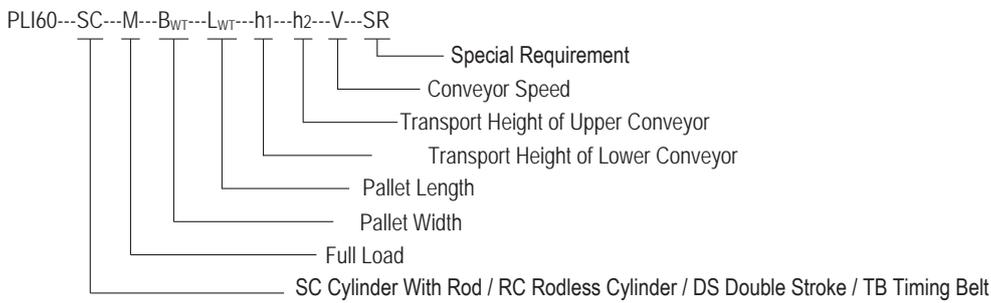
B_{WT} (mm)	W_1 (mm)	L_{WT} (mm)	W_2 (mm)
160	508	160	540
240	588	240	540
320	668	320	540
400	748	400	540
480	828	480	580

- ⚠ Maximum load capacity per pallet ≤ 50 kg.
- ⚠ $h_{1min} = 300$ mm, contact us for height less than 300mm.
- ⚠ Pay attention when selecting: When upper conveyor is PTS1, $h_2 - h_1 \geq h_{WT} + 130$;
When lower conveyor is PTS2, $h_2 - h_1 \geq h_{WT} + 230$.
- ⚠ The standard unit is driven by servo motor, lifting speed ≤ 600 mm/s, and please contact us for special request.

Features/Benefits

1. Modular design, easy to assemble and maintenance.
2. Lift unit is used to transfer workpiece pallets vertically between upper and lower conveyor sections with changing the direction of pallets.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is antistatic toothed belt.
5. Suitable for all standard size of Modular workpiece pallet.

Ordering Reference



Example:

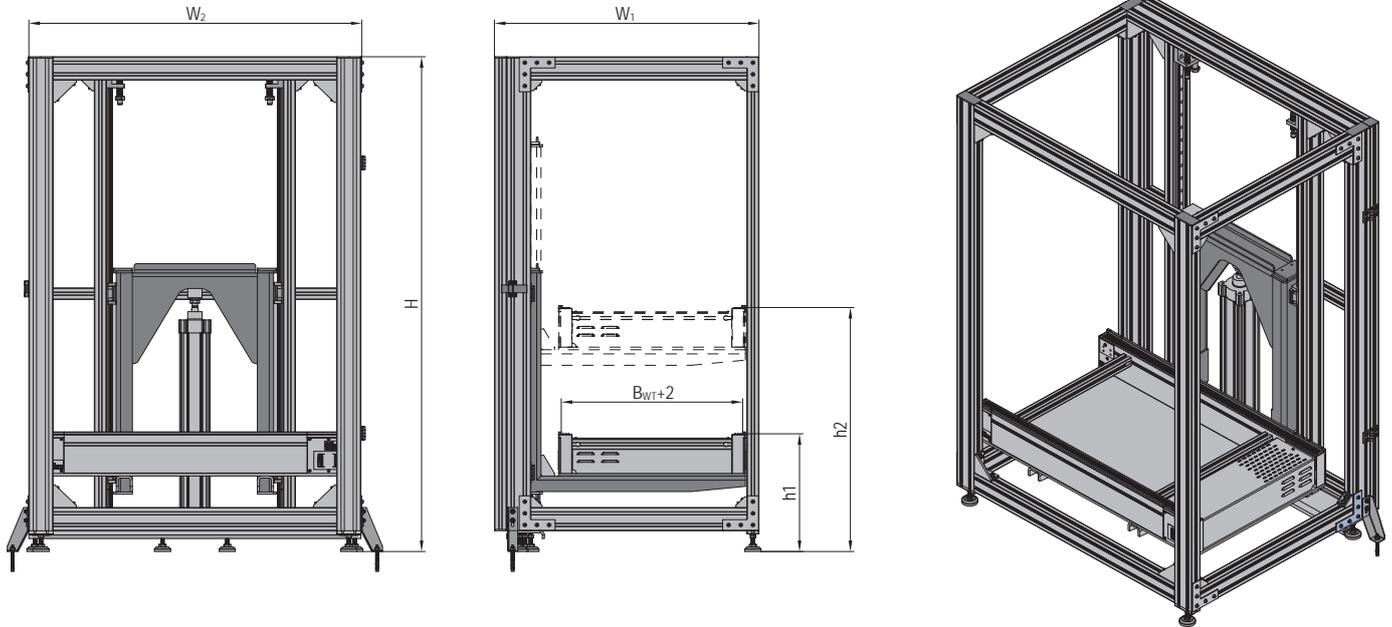
PLI60---SC---M30---B_{WT}320---L_{WT}320---h₁350---h₂750---V10

PLI60 lift unit---cylinder with rod---full load 30 kg---pallet width 320 mm---pallet length 320 mm---transport height of lower conveyor 350 mm---transport height of upper conveyor 750 mm---conveyor speed 10 m/min



PLI200 Lift Unit

Lift Unit - Cylinder With Rod (PLI200-SC)

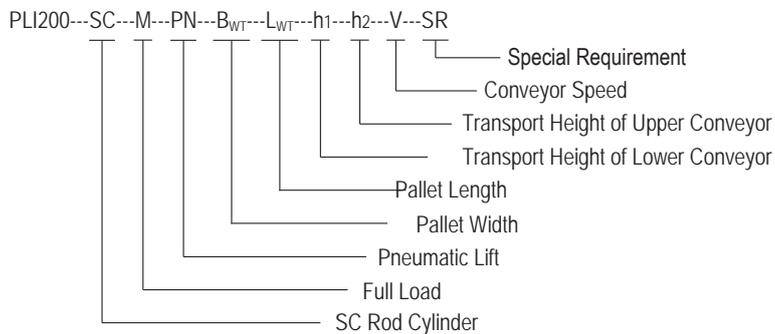


 Please contact us for more details.

Features/Benefits

1. Modular design with practical performance.
2. Lift unit is used to transfer workpiece pallets vertically between upper and lower conveyor sections with changing direction of pallets.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is 06B steel double chain.

Ordering Reference

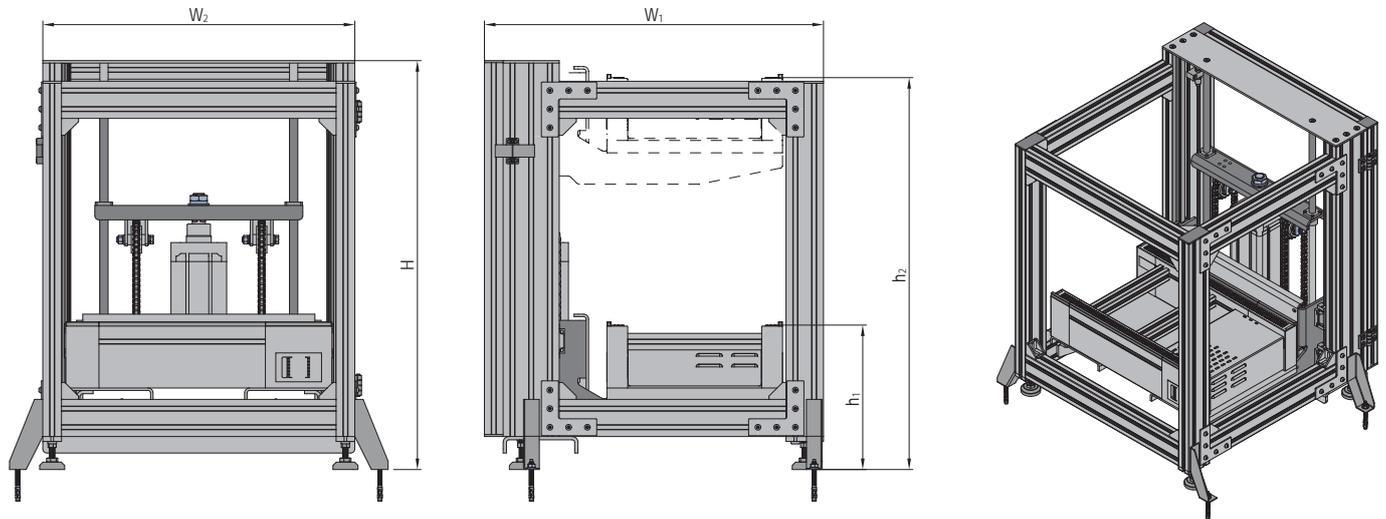


Example:

PLI200---SC---M200---PN---B_{WT}600---L_{WT}800---h₁350---h₂750---V10

PLI200 lift unit---SC rod cylinder---full load 200 kg---pneumatic lift---pallet width 600 mm---pallet length 800 mm---transport height of lower conveyor 350 mm---transport height of upper conveyor 750 mm---conveyor speed 10 m/min.

Lift Unit - Double Stroke (PLI200-DS)

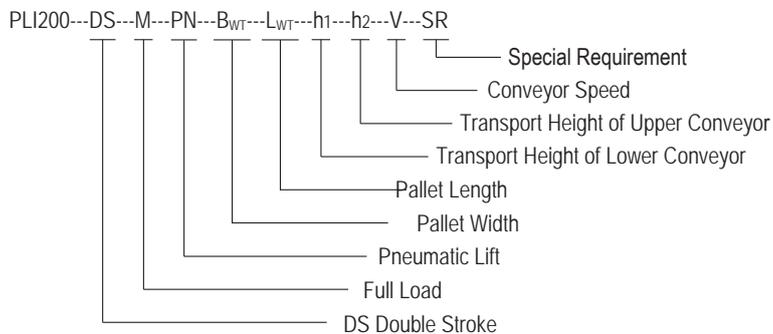


- ⚠ Maximum load capacity per pallet ≤ 200 kg.
- ⚠ When $h_1 < 400$, $W_1 = B_{WT} + 415$, $W_2 = L + 110 \geq 650$, $H = h_2 + 90$.
- ⚠ When $h_1 \geq 400$, $W_1 = B_{WT} + 415$, $W_2 = L + 110 \geq 650$, $H = h_2 - 9$.
- ⚠ The pneumatic non-returning valve is included to keep stable operation, lifting speed ≤ 260 mm/s, and please contact us for special request.

Features/Benefits

1. Pulley block and cylinder for lifting, compact structure, open top. Easy for assembly and maintenance.
2. Lift unit is used to transfer workpiece pallets vertically between upper and lower conveyor sections with changing direction of pallets.
3. T slot aluminum profile frame for easy accessory attachment (sensor, bracket etc).
4. Conveying medium is 06B steel double chain.

Ordering Reference



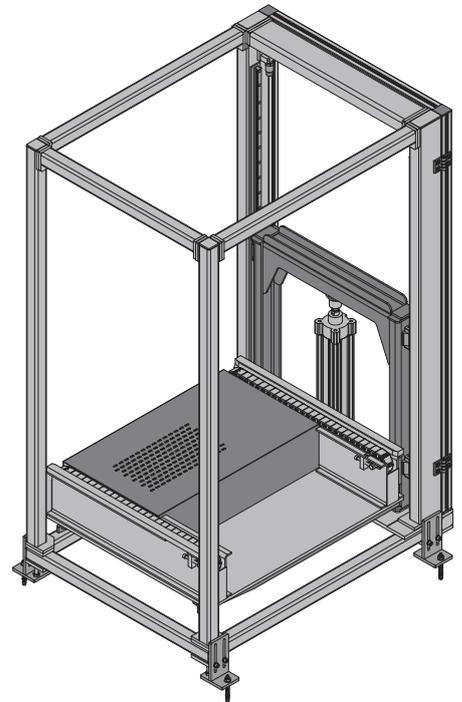
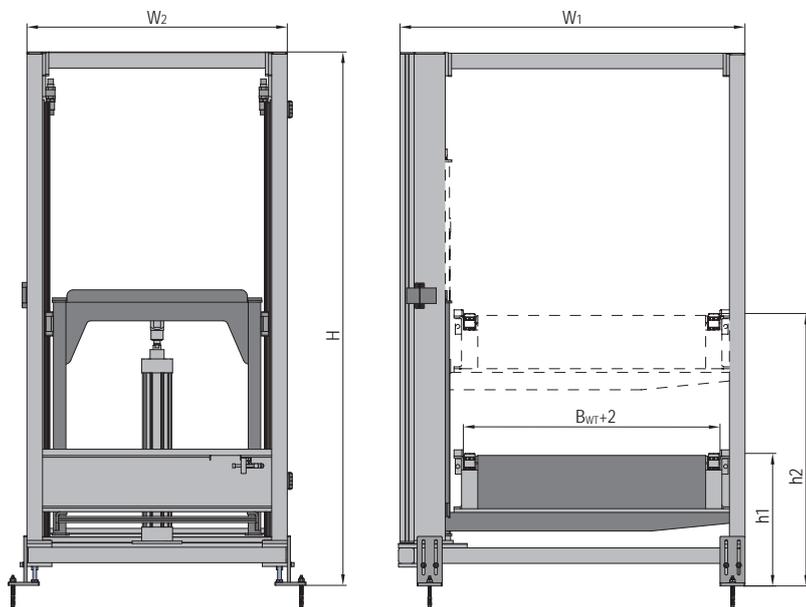
Example:

PLI200---DS---M100---PN---B_{WT}600---L_{WT}800---h₁350---h₂750---V10

PLI200 lift unit---double stroke---full load 100 kg---pneumatic lift---pallet width 600 mm---pallet length 800 mm---transport height of lower conveyor 350 mm---transport height of upper conveyor 750 mm---conveyor speed 10 m/min

PLI300 Lift Unit

Lift Unit - Cylinder With Rod (PLI300-SC)

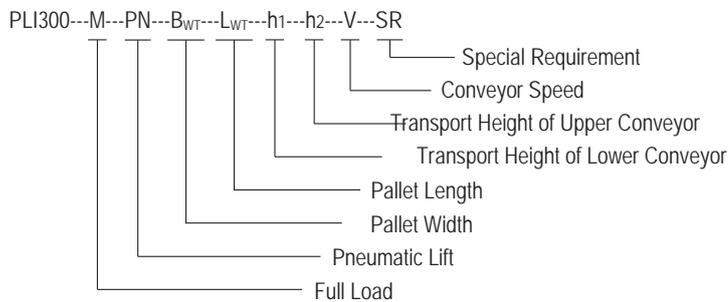


 Please contact us for more details.

Features/Benefits

1. Modular design with practical performance.
2. Lift unit is used to transfer workpiece pallets vertically between upper and lower conveyor sections with changing direction of pallets.
3. The frame structure is high strength carton steel.
4. Conveying medium is U type plate chain.

Ordering Reference



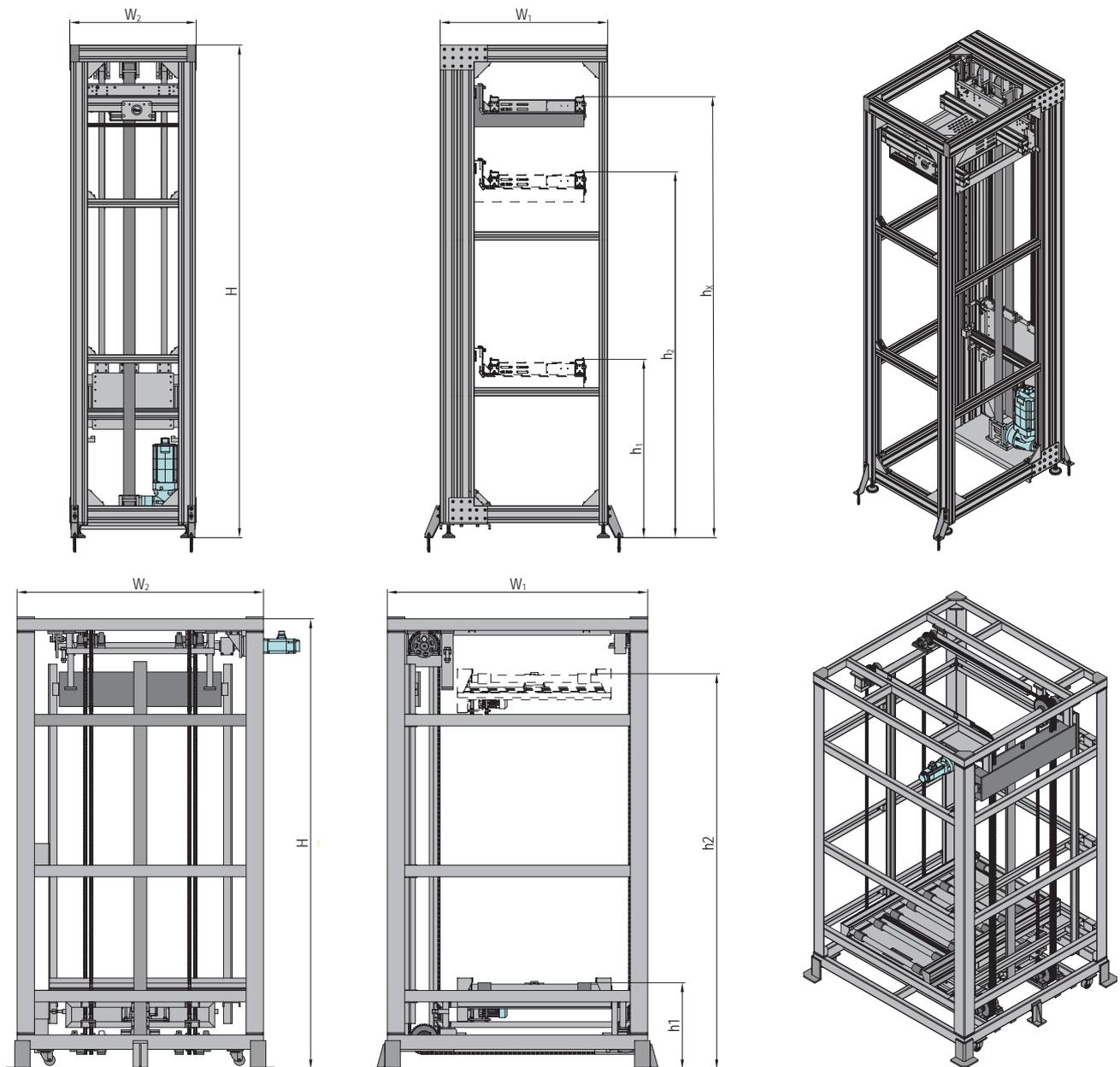
Example:

PLI300---M300---PN---B_{WT}600---L_{WT}800---h1350---h2750---V10

PLI300 lift unit---full load 300 kg---pneumatic lift---pallet width 600 mm--pallet length 800 mm---transport height of lower conveyor 350 mm---transport height of upper conveyor 750 mm---conveyor speed 10 m/min



Other Types of Lift Units



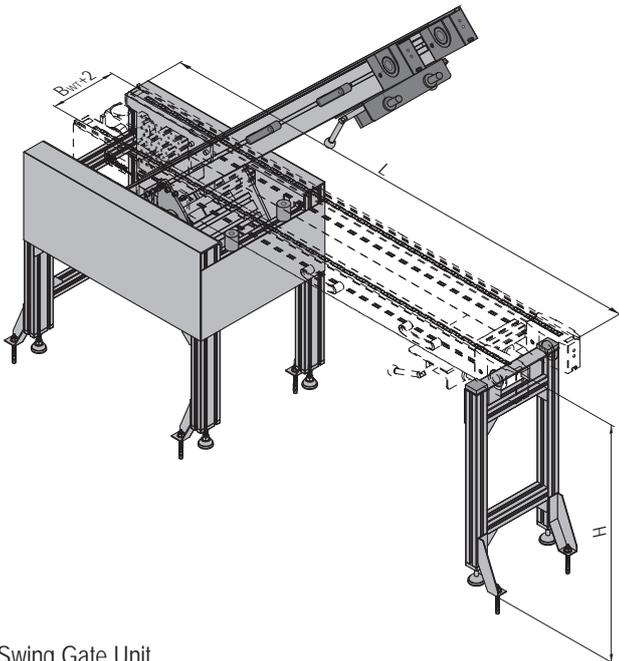
 Please contact us for more details.

Features/Benefits

1. Lift unit is used to transfer workpiece pallets vertically for long distance and multiple levels, with changing the direction of pallets.
2. The lifting medium is steel chain or high strength toothed belt, suitable for many working situations.
3. The frame is carbon steel structure or aluminum profile, suitable for different load requirements.
4. The safety latch mechanism and detection mechanism are easy for maintenance.
5. The conveying medium is not limited to accumulation chain, toothed belt or roller, suitable for different types of pallets.

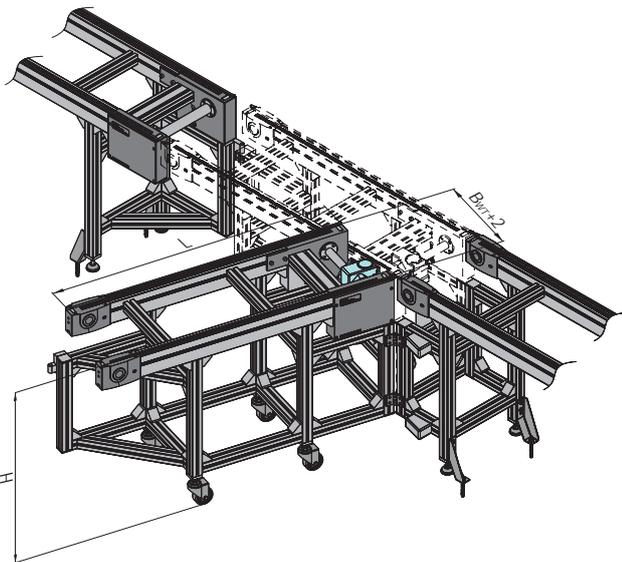


Lift Gate Unit



- ⚠ The standard lift gate unit can be used with PTS1 and PTS2 conveyors. The lift gate unit for other conveyor types can be custom made. Contact us for more details.
- ⚠ The unit can be manually flipped up in the range of 0-90°. The unit is supported by spring air spring when it flips up and locked by manual latch when it is in horizontal position.
- ⚠ The sensor is used to detect the connection situation of the conveyor. The unit is equipped with installation bracket of sensor (sensor excluded).

Swing Gate Unit



- ⚠ The standard swing gate unit can be used with PTS1 and PTS2 conveyors. The swing gate unit for other conveyor types can be custom made. Contact us for more details.
- ⚠ The unit can be manually opened in the range of 0-150°. The unit is locked by manual latch at original position.
- ⚠ The sensor is used to detect the connection situation of the conveyor. The unit is equipped with installation bracket of sensor (sensor excluded).

Ordering Reference

PTS2---M---V---B_{WT}---L---H---N---OP---F1---C1---A0---SR---LG

└── LG Lift Gate Unit / SG Swing Gate Unit

└── Part No. of Pallet Conveyor

PTS2---M50---V16---B_{WT}320---L1000---H800---N2---OP---F1---C1---A0---LG

PTS2 pallet conveyor---full load 50 kg---conveyor speed 16 m/min---pallet width 320 mm---conveyor length 1000 mm---transport height 800 mm--- 2 sets of stand supports---motor position OP---motor direction F1---steel chain---without chain cover---pivot flip



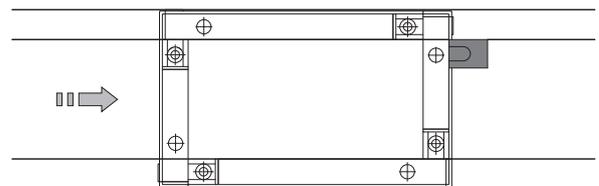
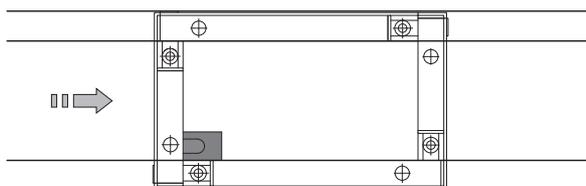


Conveying Control Device

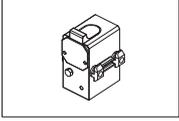
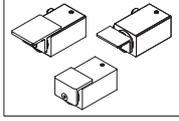
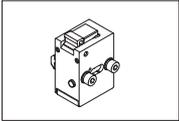
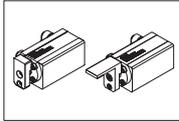
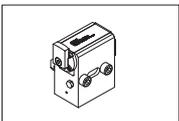
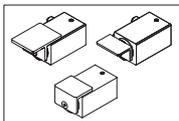
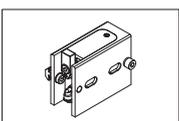
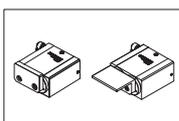
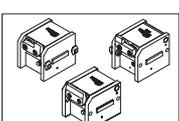
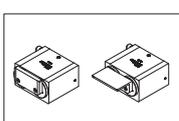
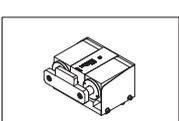
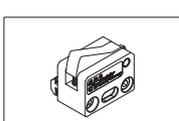
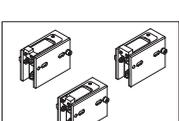
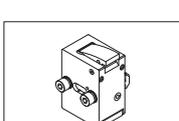
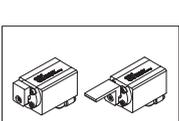
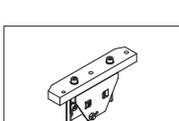
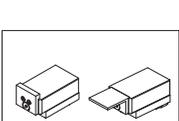
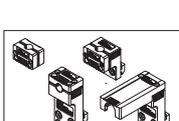
The control device is an essential part of pallet transfer system. It is used to stop, transfer and distribute the pallet to realize automatic flexible control of the pallet transfer system.

Installation position of pallet stop

When the stop is used with WP2 pallets, it will be mounted in rear right or front left position in the direction of transport.



Transportation Control Selection

	ST.PN.01/A-180 Pneumatic Stop PG - 135		BU.PN.01/...-150 Pneumatic Damper PG - 176
	ST.PN.01/B-180 Pneumatic Stop PG - 139		BU.PN.02/...-60 Pneumatic Double Action Damper PG - 181
	ST.PN.02/A-60 Pneumatic Damping Stop PG - 143		BU.PN.02/...-120 Pneumatic Double Action Damper PG - 186
	ST.PN.02/A-140 Pneumatic Damping Stop PG - 147		BU.PN.02/...-220 Pneumatic Double Action Damper PG - 191
	ST.PN.02/...-150 Pneumatic Damping Stop PG - 151		BU.PN.02/...-300 Pneumatic Double Action Damper PG - 196
	ST.PN.02/A-250 Pneumatic Damping Stop PG - 157		RS.01 Return Stop PG - 201
	ST.PN.02/...-270 Pneumatic Damping Stop PG - 163		RS.02 Return Stop PG - 203
	BU.PN.01/...-60 Pneumatic Damper PG - 166		Mechanical Rocker Plate PG - 205
	BU.PN.01/...-120 Pneumatic Damper PG - 171		Sensor Bracket Unit PG - 207

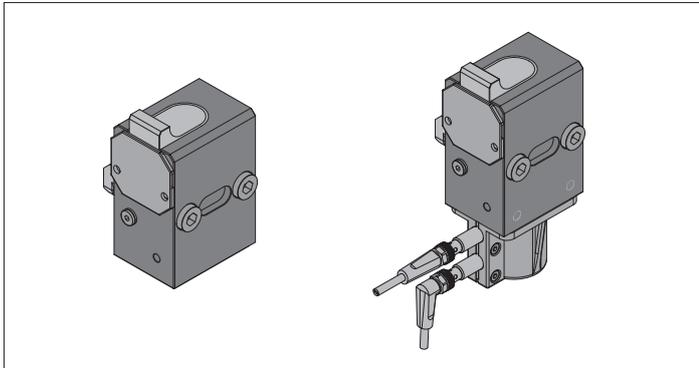
ST.PN.01/A-180 Pneumatic Stop



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



Features/Benefits

1. No inverse operation allowed and to be installed directly on the conveyor line.
2. Operation noise less than 60 dB. The adjustment valve can be used if lower noise is expected.
3. Stop and release height is 9 mm.
4. It can be used on PTS1、PTS2 or PTS1/H conveyor to control WP2/S、WP2/E or WP2/C pallet.
5. It stops or releases the pallet at the defined position and realize the accumulation or distribution of multi-pallets.
6. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Including all positioning and fastening sets (2xLE+1xGM) to mount on pallet conveyor.

GM	Fastening Set	LE	Fastening Set
	Positioning part PA6		M8x45 Bolt zinc plated
			D8 Locking Washer 304
			M8 T Nut nickel plated

2. Delivery condition

Equipped

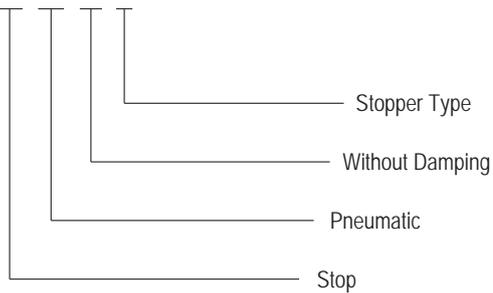


Specifications

Part No.	50801100
Pallet and workpiece max. mass	180
Mass	560
ESD	Yes
Material	Case: aluminum alloy (black) Stop rod: nickel plated carbon steel
Working temperature	0...60
Quick connector	Hose, outer diameter $\Phi 6$
Pressure range	0.4 - 0.8 clean compressed air

Ordering Reference

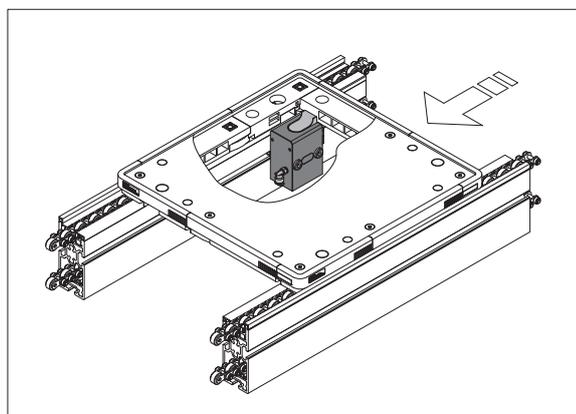
ST . PN . 01 / A - 180



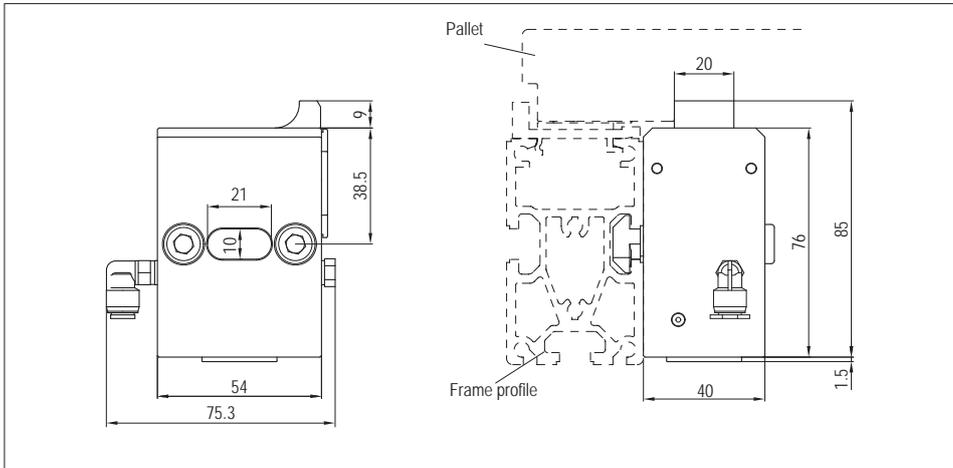
Installation Position



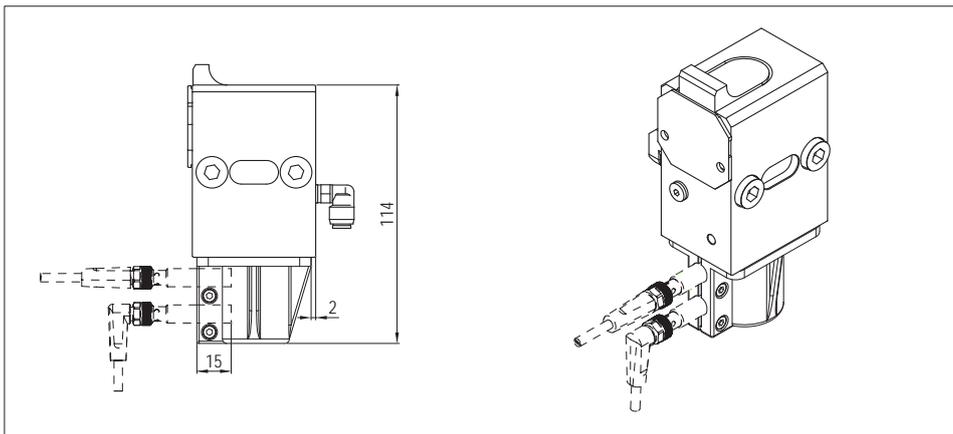
ST.PN.01/A-180 Pneumatic Stop



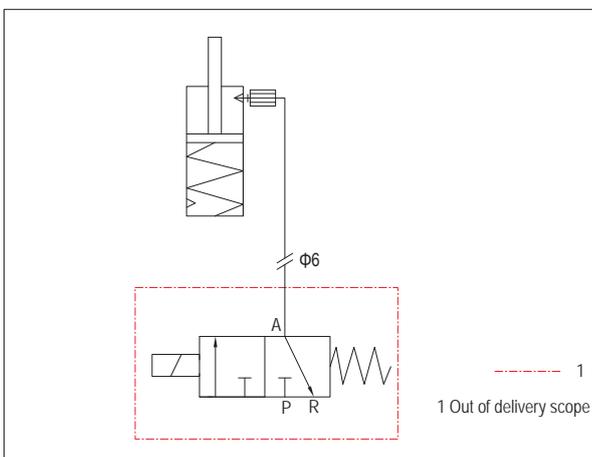
Dimension



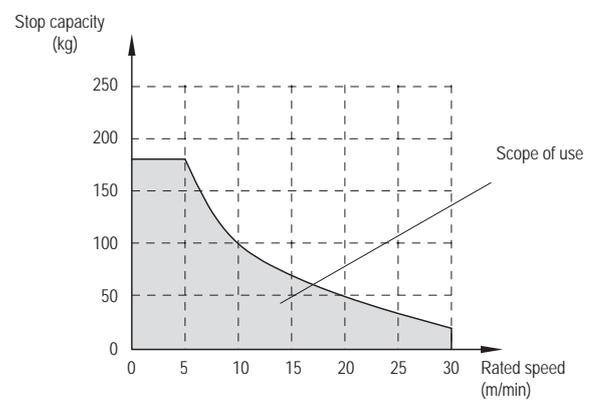
Sensor Installation Diagram



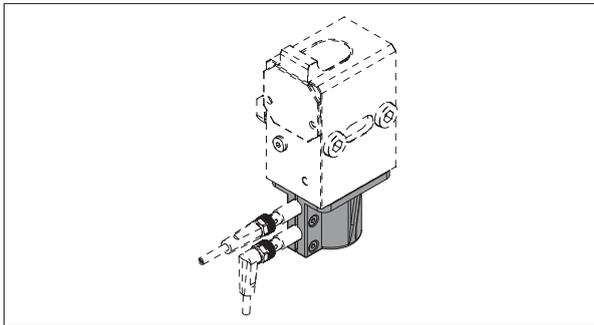
Schematic Diagram



Stop Capacity Diagram



Detection Unit for Stop

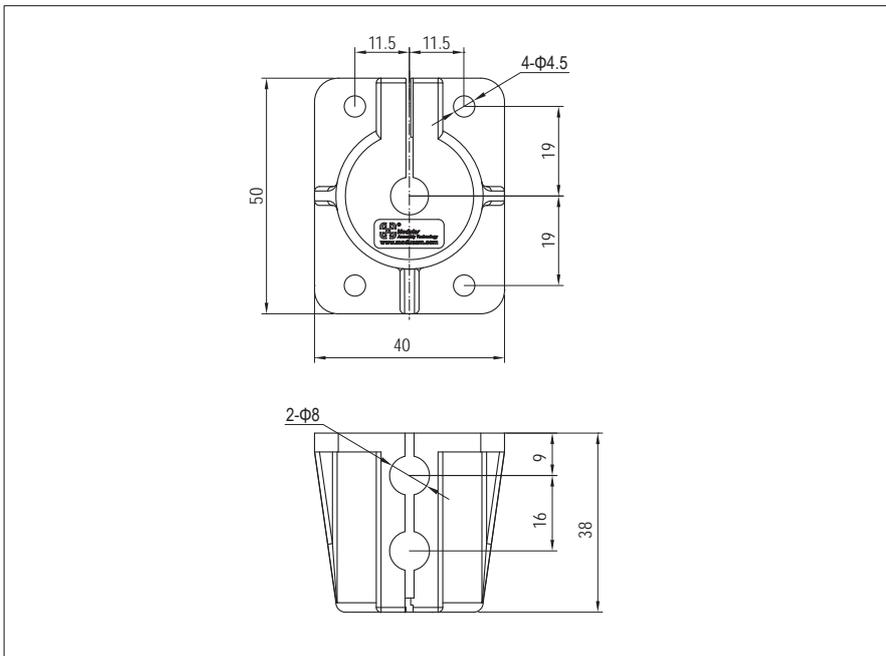


- ▶ Material: Bracket, PA6 Black; detection rod, zinc plated steel
- ▶ Used with 50801100 stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

! Ordering reference

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50801200

Dimension



▶ Scope of delivery

Including all fastening sets to mount on pallet conveyor

▶ Supply mode

Not equipped

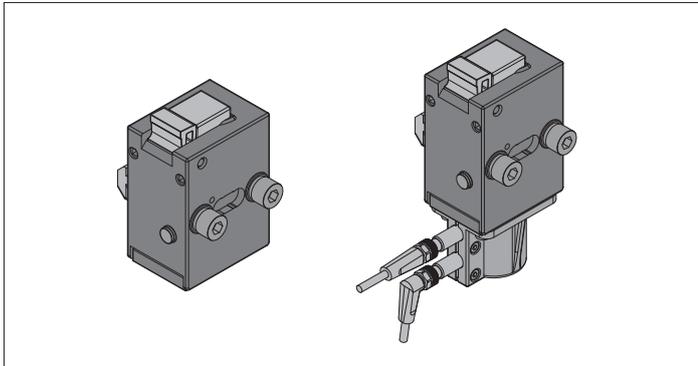
ST.PN.01/B-180 Pneumatic Stop



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



Features/Benefits

1. No inverse operation allowed and to be installed directly on the conveyor line.
2. Operation noise less than 60 dB. The adjustment valve can be used if lower noise is expected.
3. Stop and release height is 8.8 mm.
4. It can be used on PTS1、PTS2 or PTS1/H conveyor to control WP2/S or WP2/E pallet.
5. It stops or releases the pallet at the defined position and realize the accumulation or distribution of multi-pallets.
6. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Including all positioning and fastening sets (2xLF+1xGM) to mount on pallet conveyor.

LF	Fastening Set	GM	Fastening Set
	M8x50 Bolt zinc plated		Positioning part
	D8 Locking Washer 304		
	M8 T Nut nickel plated		

2. Delivery condition

Equipped

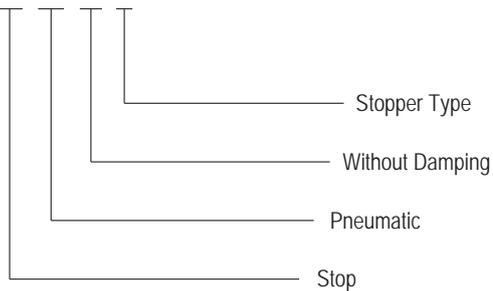


Specifications

Part No.	50811100
Pallet and workpiece max. mass m_c (kg)	180
Mass m (g)	410
Material	Case: PA6 (black) Stopper: PA6 (black) Block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 - 0.8 clean compressed air

Ordering Reference

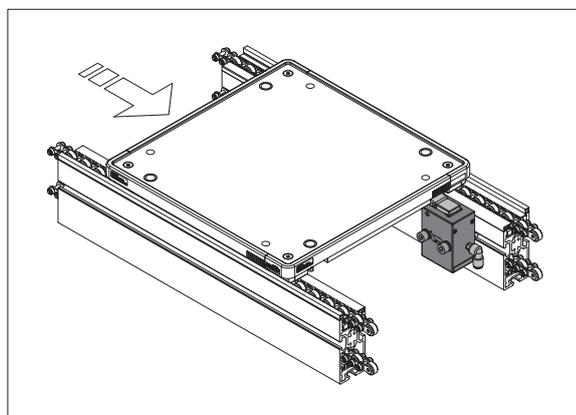
ST . PN . 01 / B - 180



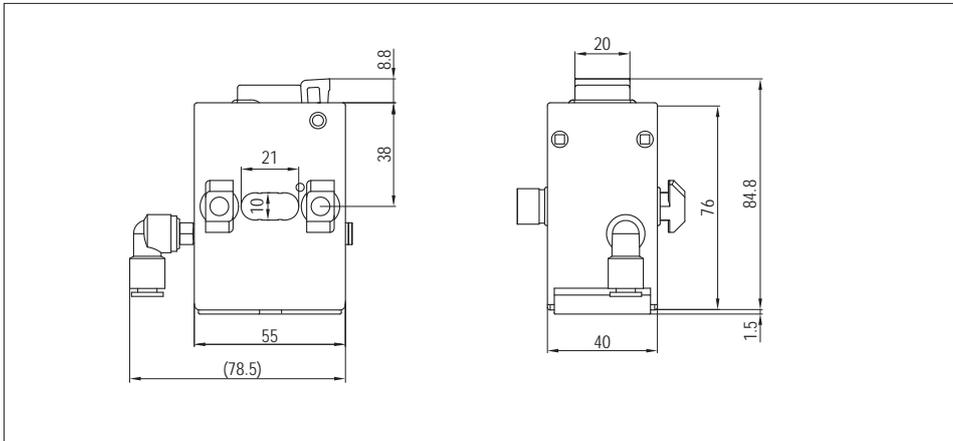
Installation Position



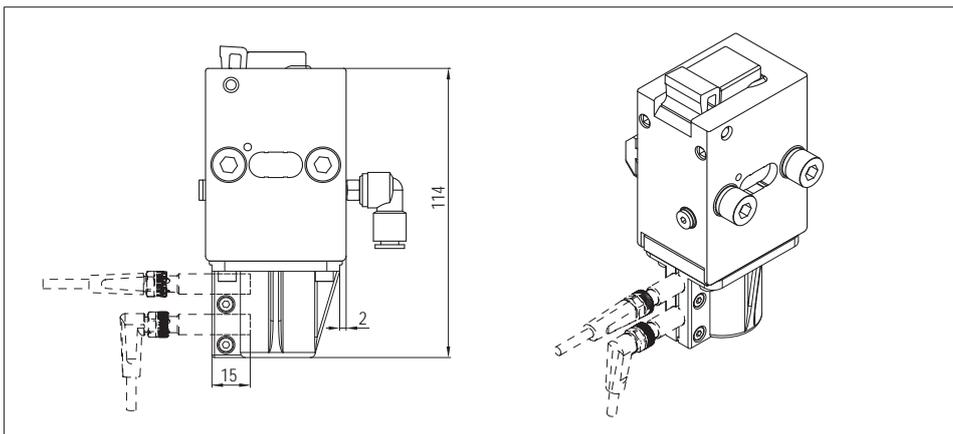
ST.PN.01/B-180 Pneumatic Stop



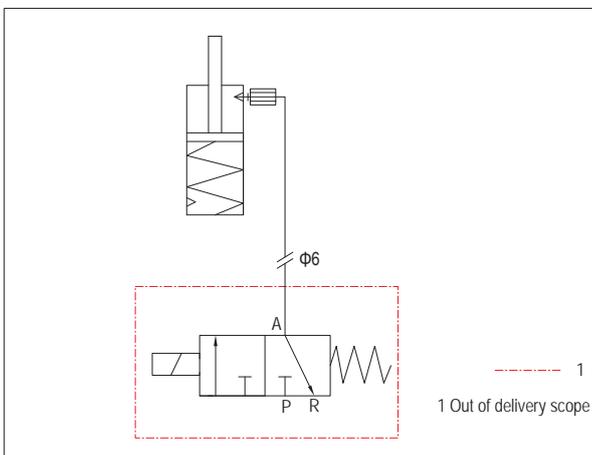
Dimension



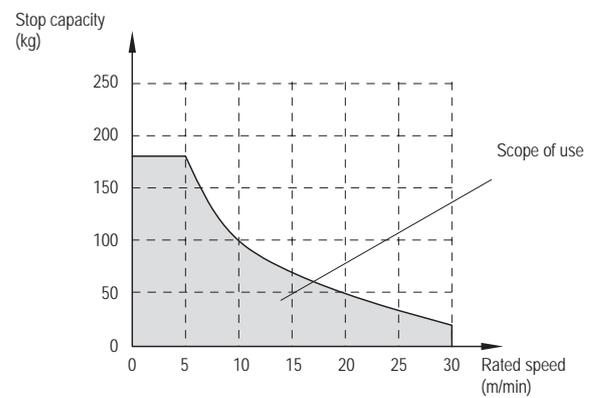
Sensor Installation Diagram



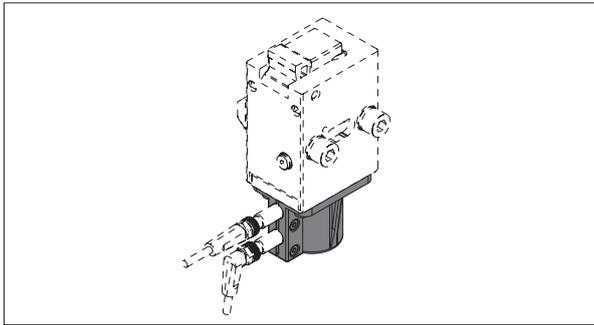
Schematic Diagram



Stop Capacity Diagram



Detection Unit for Stop

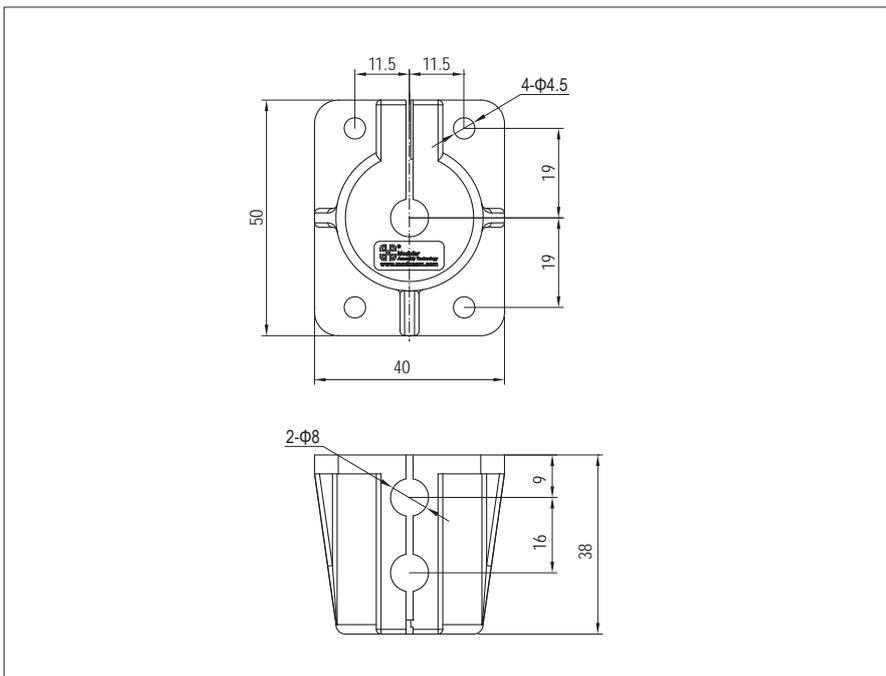


- ▶ Material: Bracket, PA6 Black; detection rod, zinc plated steel
- ▶ Used with 50811100 stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

Ordering reference

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50811200

Dimension



Scope of delivery

Including all fastening sets to mount on pallet conveyor

Supply mode

Not equipped

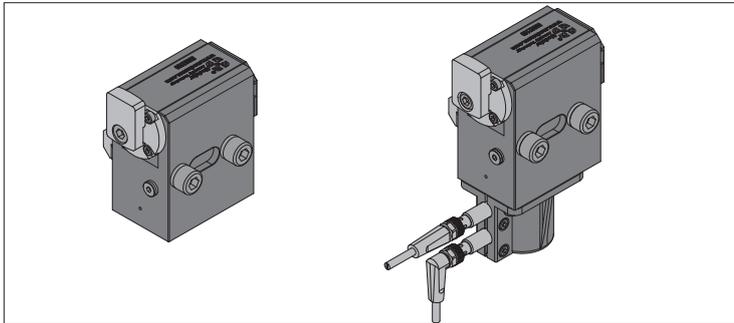
ST.PN.02/A-60 Pneumatic Damping Stop



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



Features/Benefits

1. No inverse operation allowed and to be installed directly on the conveyor line.
2. Operation noise less than 60 dB. Stop and release height is 9 mm, buffer stroke is 18.6 mm.
3. It can be used on PTS1, PTS2 or PTS1/H conveyor to control WP2/S, WP2/E or WP2/C pallet.
4. Damped stopping of the first accumulating pallet. It stops one or more accumulating pallets at the defined position. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Including all positioning and fastening sets (2xLF+1xGM) to mount on pallet conveyor.

LF	Fastening Set	GM	Fastening Set
	M8x50 Bolt zinc plated		Positioning part
	D8 Locking Washer 304		
	M8 T Nut nickel plated		

2. Delivery condition

Equipped

 Locking torque of M8x50 bolt is 10.6 N.m.

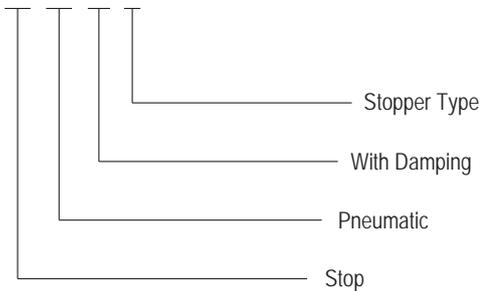


Specifications

Part No.	50802100
Pallet and workpiece max. mass m_G (kg)	60 ¹⁾
Pallet and workpiece min. mass m (kg)	1 ¹⁾
Mass m (g)	550
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector (Mpa)	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 - 0.8 clean compressed air

Ordering Reference

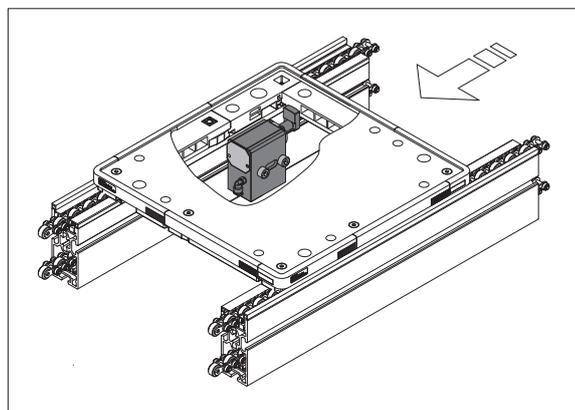
ST . PN . 02 / A - 60



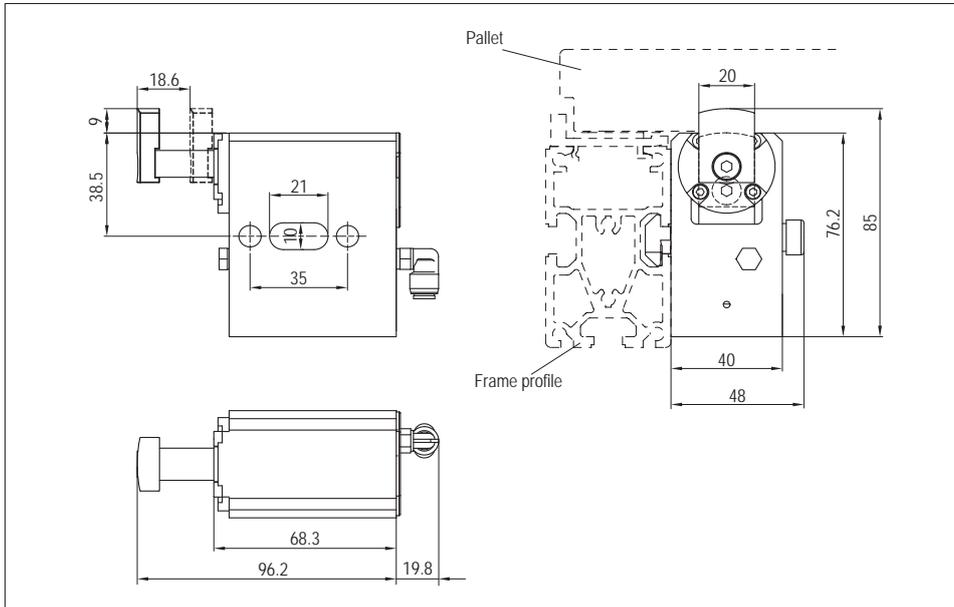
Installation Position



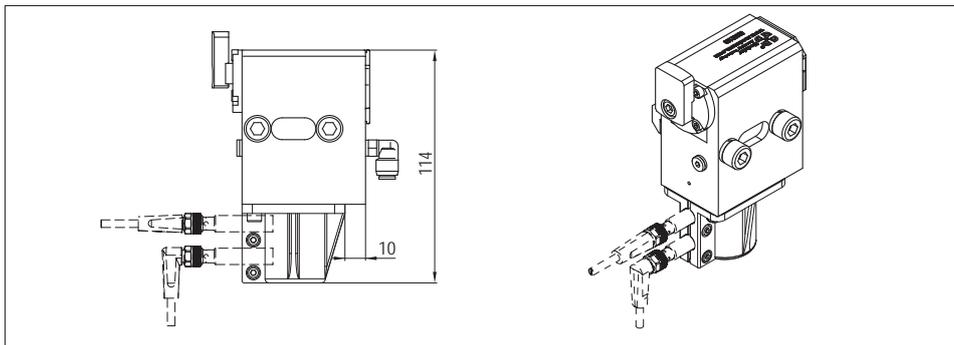
ST.PN.02/A-60 Pneumatic Damping Stop



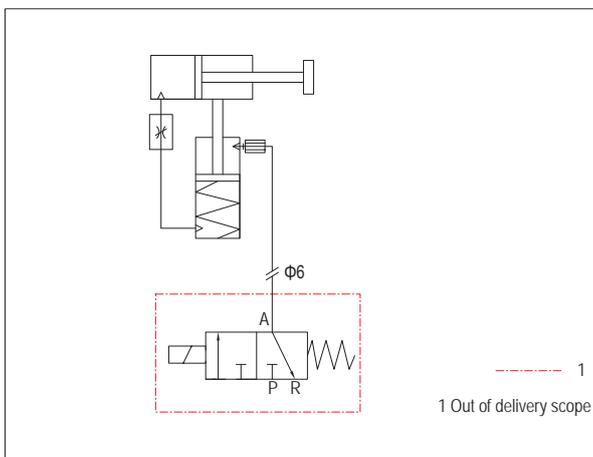
Dimension



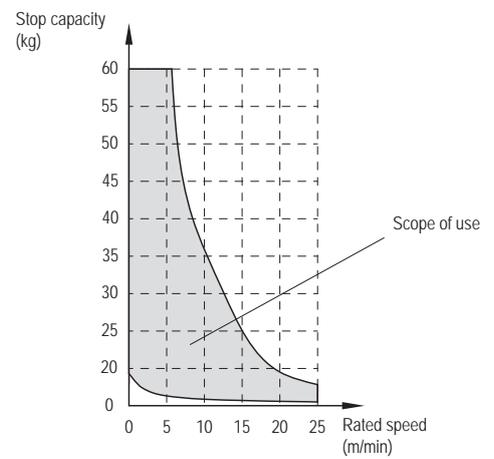
Sensor Installation Diagram



Schematic Diagram

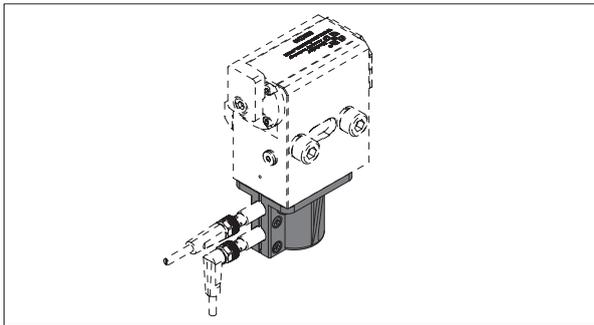


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Detection Unit for Stop

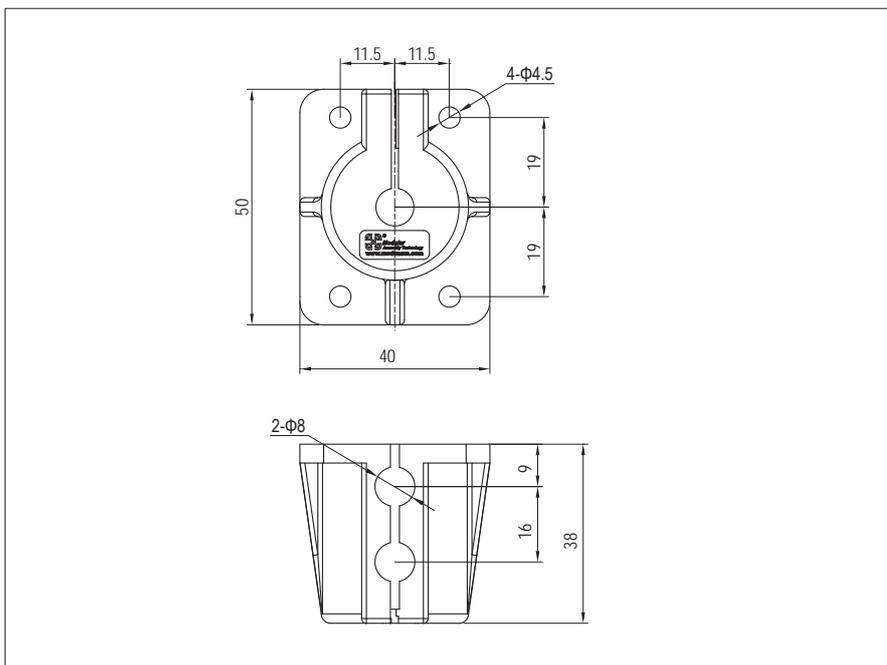


- ▶ Material: Bracket, PA6 Black; detection rod, zinc plated steel
- ▶ Used with 50802100 Stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

 Ordering reference

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50802200

Dimension



▶ Scope of delivery

Including all fastening sets to mount on pallet conveyor

▶ Supply mode

Not equipped

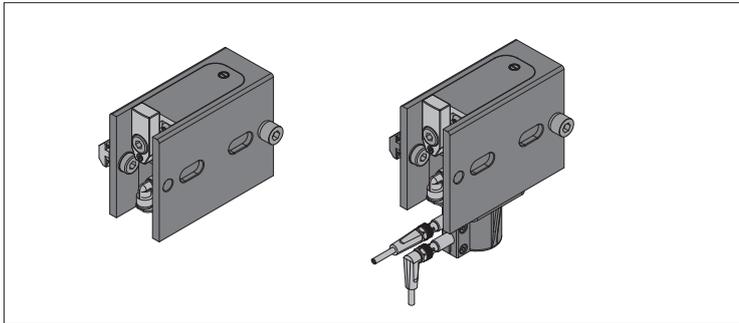
ST.PN.02/A-140 Pneumatic Damping Stop



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



Features/Benefits

1. No inverse operation allowed and to be installed directly on the conveyor line.
2. Operation noise less than 60 dB. Stop and release height is 8 mm, buffer stroke is 30 mm.
3. It can be used on PTS1, PTS2 or PTS1/H conveyor to control WP2/S, WP2 E or WP2/C pallet.
4. Damped stopping of the first accumulating pallet. It stops one or more accumulating pallets at the defined position. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Including all positioning and fastening sets (1xLD+1xLI+2xGM) to mount on pallet conveyor.

LD	Fastening Set	LI	Fastening Set	GM	Fastening Set
	M8x16 Bolt (DIN 7984) zinc plated		M8x55 Bolt zinc plated		Positioning part
	D8 Locking Washer 304		D8 Locking Washer 304		
	M8 T Nut nickel plated		M8 T Nut nickel plated		

2. Delivery condition

Equipped

- Locking torque of M8x55 bolt is 10.6 N.m.

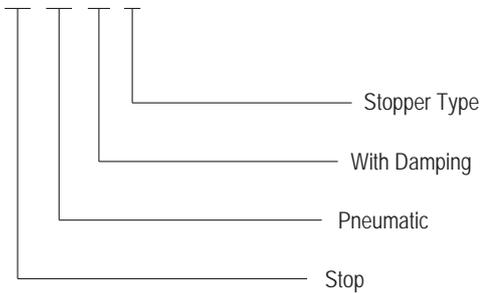


Specifications

Part No.	50816100
Pallet and workpiece max. mass m_G (kg)	140 ¹⁾
Pallet and workpiece min. mass m (kg)	6 ¹⁾
Mass m (g)	855
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector (Mpa)	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 - 0.8 clean compressed air

Ordering Reference

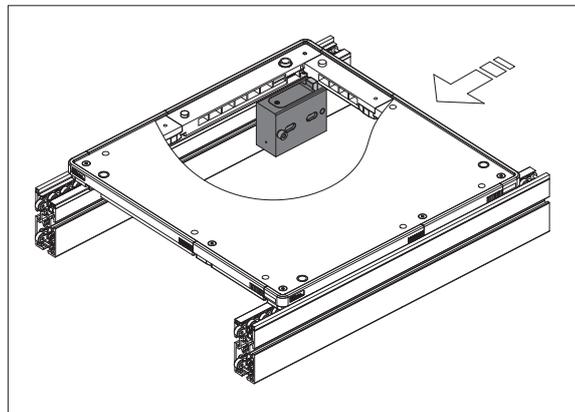
ST . PN . 02 / A - 140



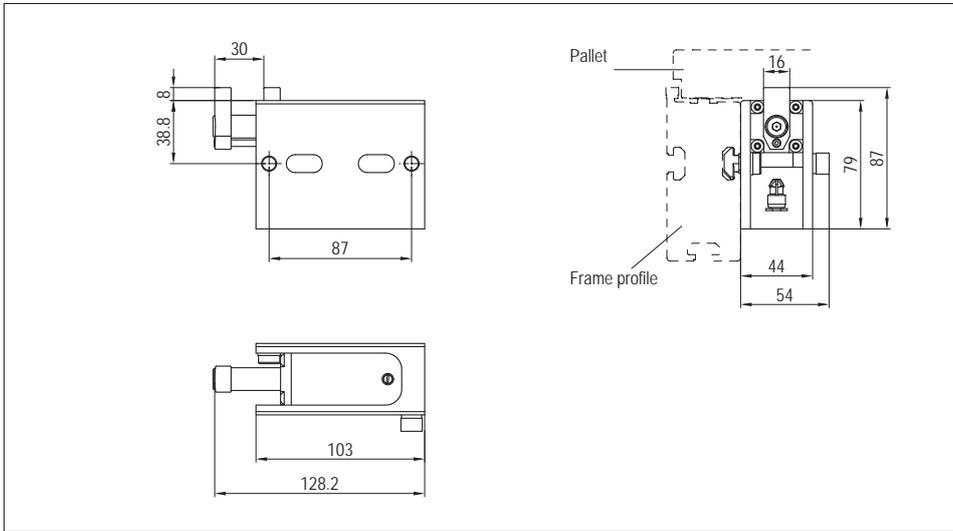
Installation Position



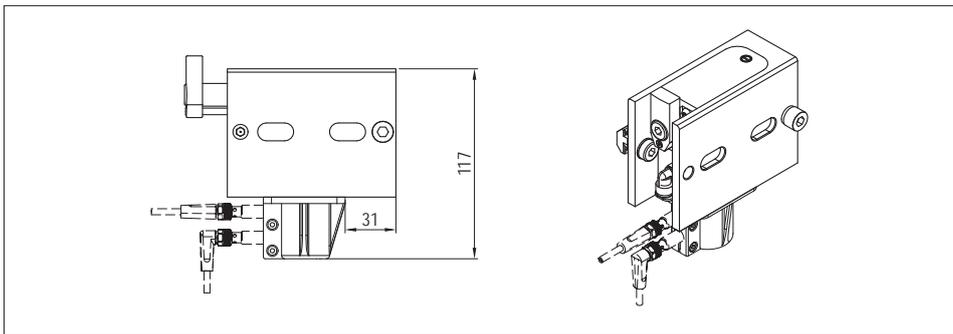
ST.PN.02/A-140 Pneumatic Damping Stop



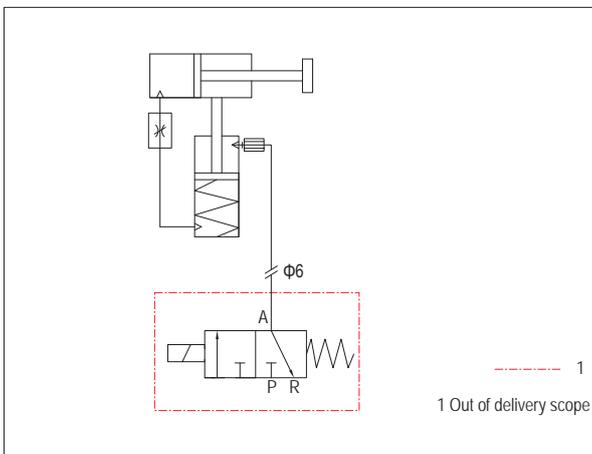
Dimension



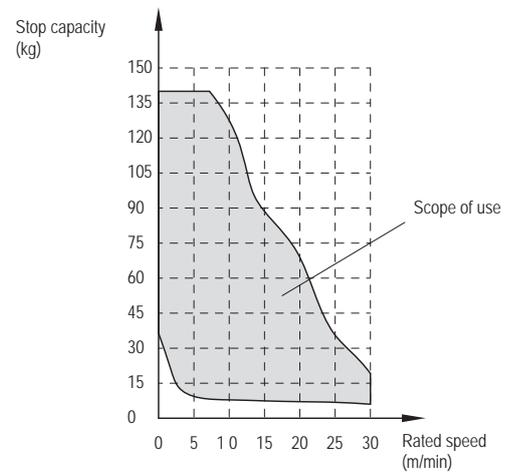
Sensor Installation Diagram



Schematic Diagram

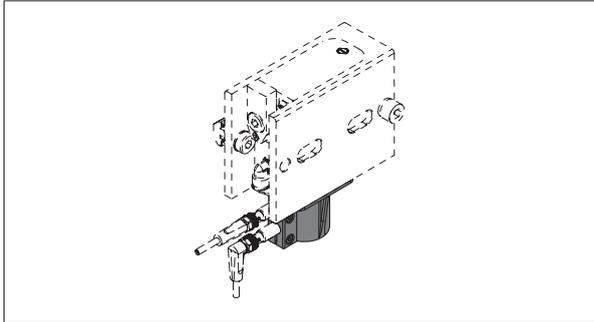


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Detection Unit for Stop

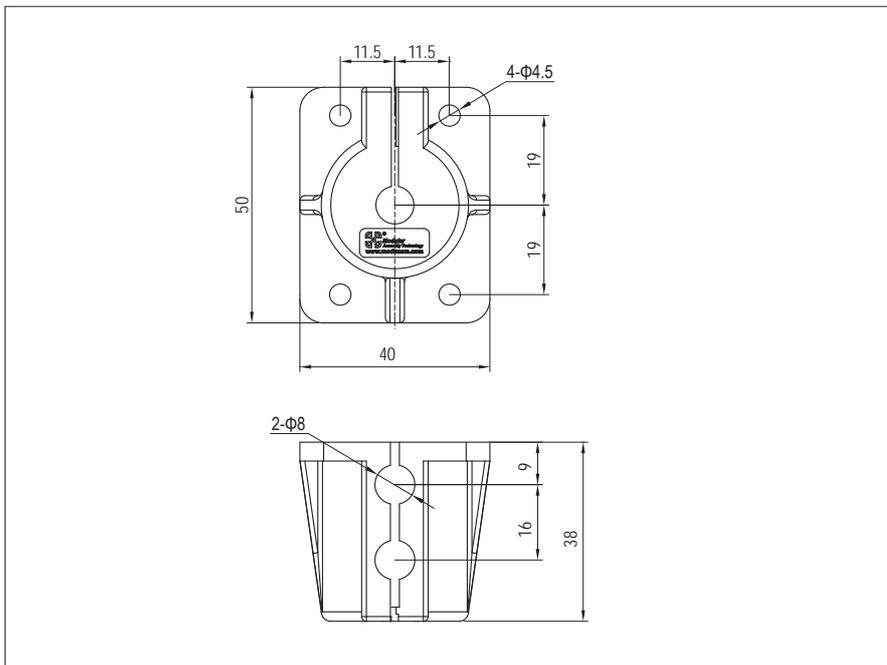


- ▶ Material: Bracket, PA6 Black; detection rod, zinc plated steel
- ▶ Used with 50816100 Stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

 Ordering reference

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50802200

Dimension



▶ Scope of delivery

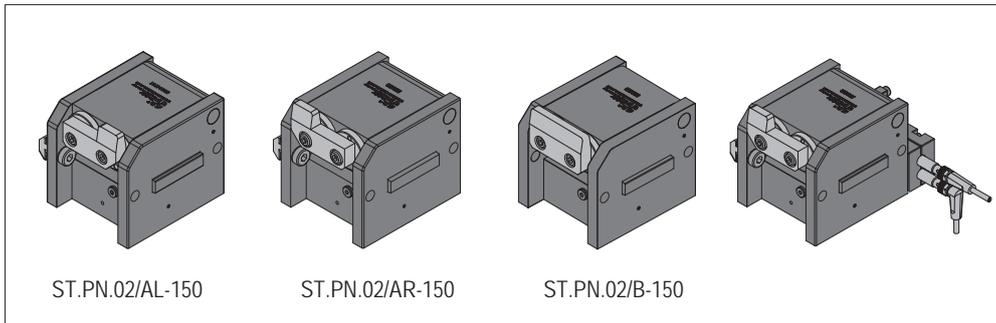
Including all fastening sets to mount on pallet conveyor

▶ Supply mode

Not equipped

ST.PN.02/...-150 Pneumatic Damping Stop

	Delivery	05	Workday
	Please contact us if order quantities more than 50 pcs		



Features/Benefits

1. All-metal design with double piston damper.
2. No inverse operation allowed and to be installed directly on the conveyor line or on the cross bracing of conveyor line.
3. Operation noise less than 60 dB. Stop and release height is 8.5 mm, buffer stroke is 20 mm.
4. It can be used on PTS1, PTS 2, PTS1/H and PTS4 conveyor to control WP2/S, WP2/E or WP2/C pallet. When the pallet width is more than 640mm, and installed on PTS4 conveyor , please choose ST.PN.02/B-150 pneumatic damping stop. The pallet is custom made pallet.
5. Damped stopping of the first accumulating pallet. It stops one or more accumulating pallets at the defined position. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Pneumatic damping stop with three different stop blocks

Fittings

ST.PN.02/AL-150 is installed on the inside of main conveyor section without support. Including all positioning and fastening sets (2x**ZN**) to mount on the conveyor.

ST.PN.02/AR-150 is installed on the inside of main conveyor section without support. Including all positioning and fastening sets (2x**ZN**) to mount on the conveyor.

ST.PN.02/B-150 Pneumatic damping stop is installed on the inside of main conveyor section with support. The support need to be ordered separately (including fasteners 6x**LG**+4x**DH**+8x**SG**)(see PG 137)

ZN	Fastening Set	LG	Fastening Set	DH	Fastening Set	SG	Fastening Set
	M8x20 Bolt (CB6191) zinc plated		M8x15 Bolt zinc plated		M8x20 Bolt zinc plated	 3.21.45.4545.STJ	
	D8 Locking Washer 304		M8 Spring Washer zinc plated		M8 Spring Washer zinc plated		
	M8 T Nut nickel plated		M8 T Nut nickel plated		M8 Spring Washer zinc plated		

2. Delivery condition

Equipped

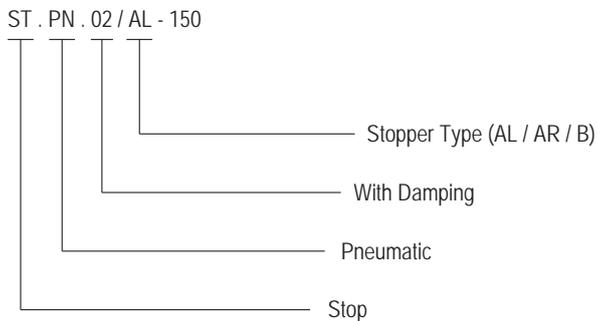
 Locking torque of M8x55 bolt is 10.6 N.m.



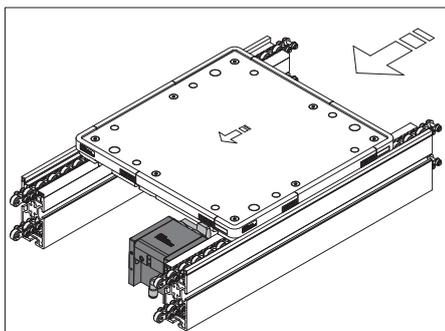
Specifications

ST.PN.02/AL-150 Part No.	50804101
ST.PN.02/AR-150 Part No.	50804103
ST.PN.02/B-150 Part No.	50804102
Pallet and workpiece max. mass m_G (kg)	150 ¹⁾
Pallet and workpiece min. mass m (kg)	10 ¹⁾
ST.PN.02/AL-150 Mass m (g)	1560
ST.PN.02/AR-150 Mass m (g)	1560
ST.PN.02/B-150 Mass m (g)	1588
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

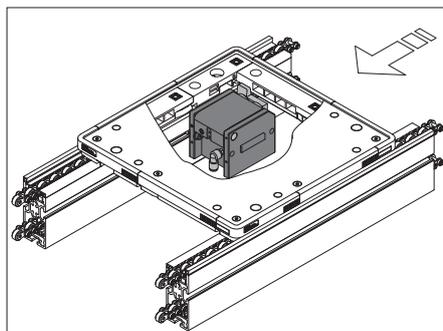
Ordering Reference



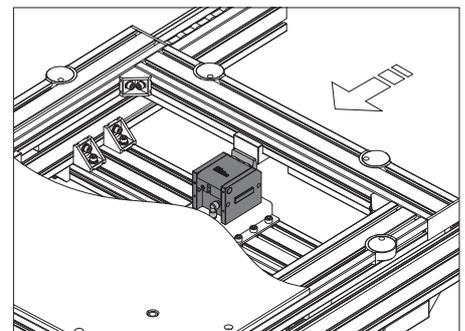
Installation Position



ST.PN.02/AR-150 Pneumatic Damping Stop



ST.PN.02/AL-150 Pneumatic Damping Stop

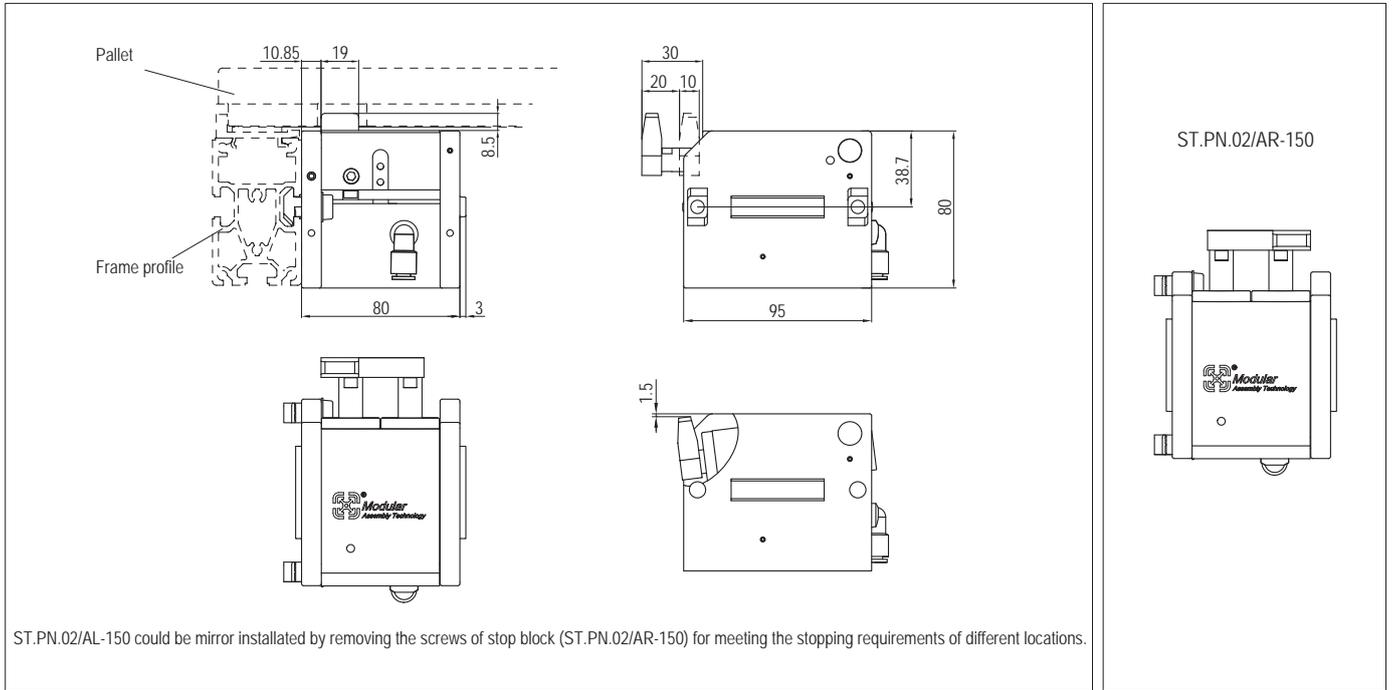


ST.PN.02/B-150 Pneumatic Damping Stop

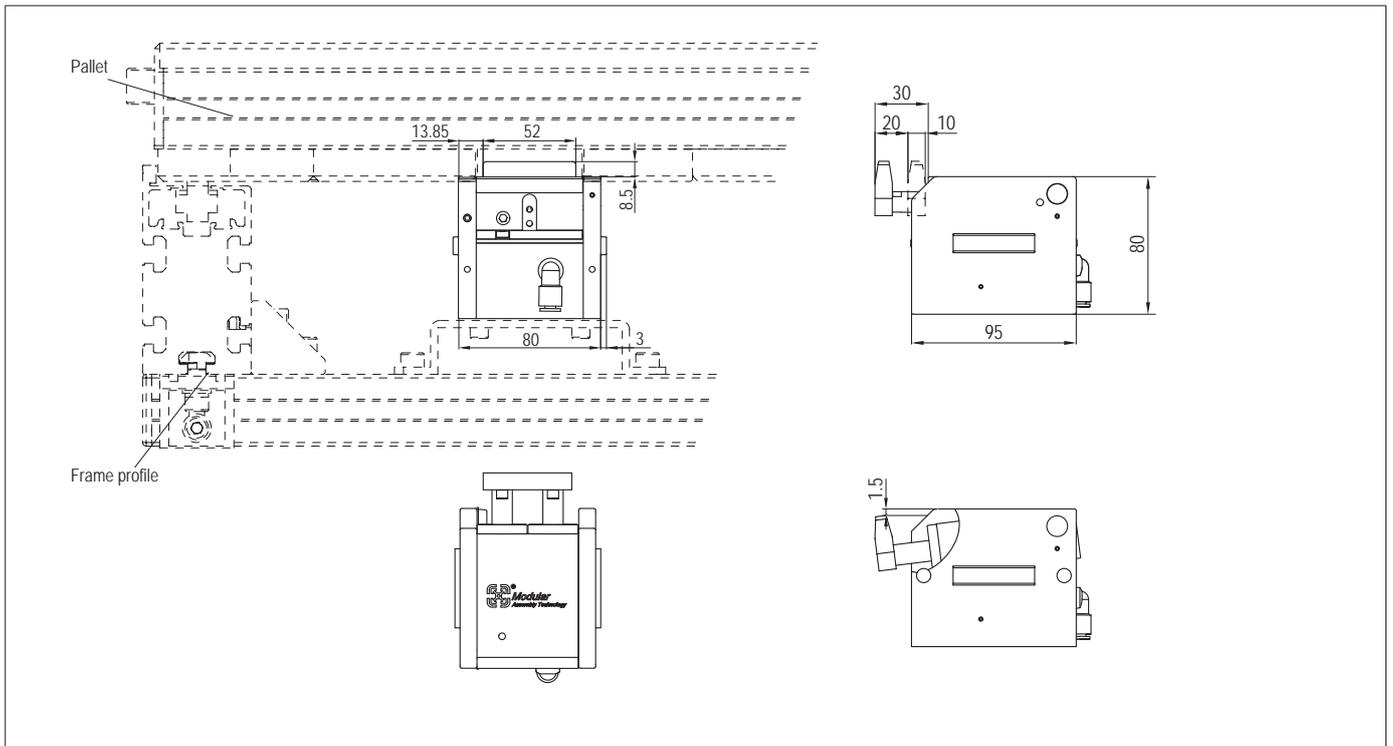


Dimension

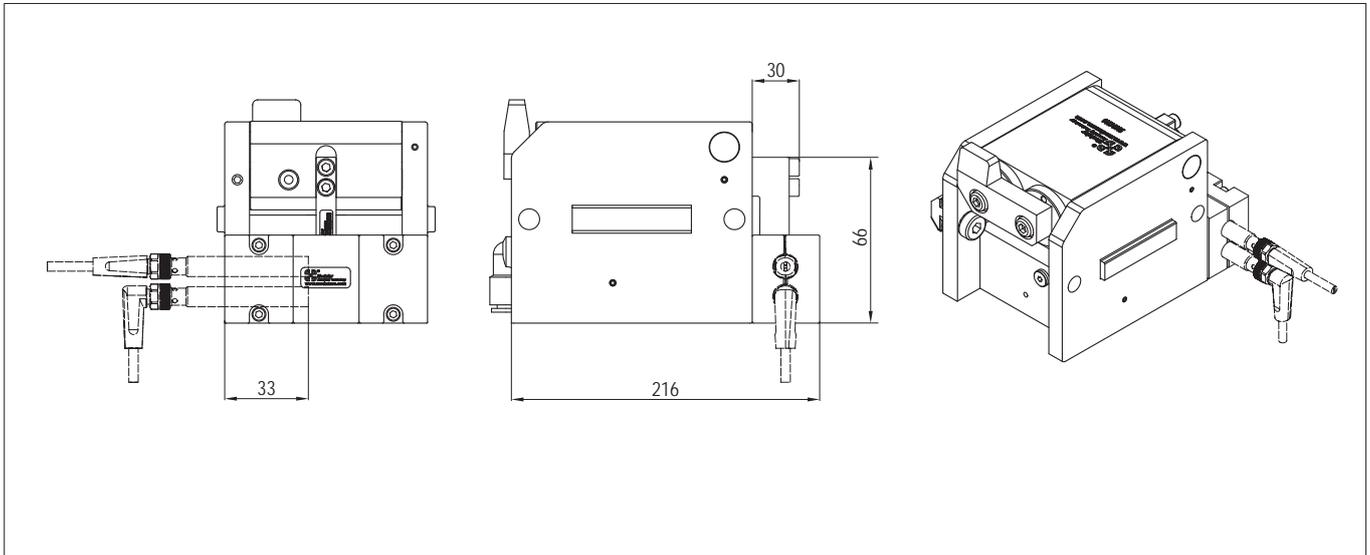
ST.PN.02/AL-150 Pneumatic damping stop



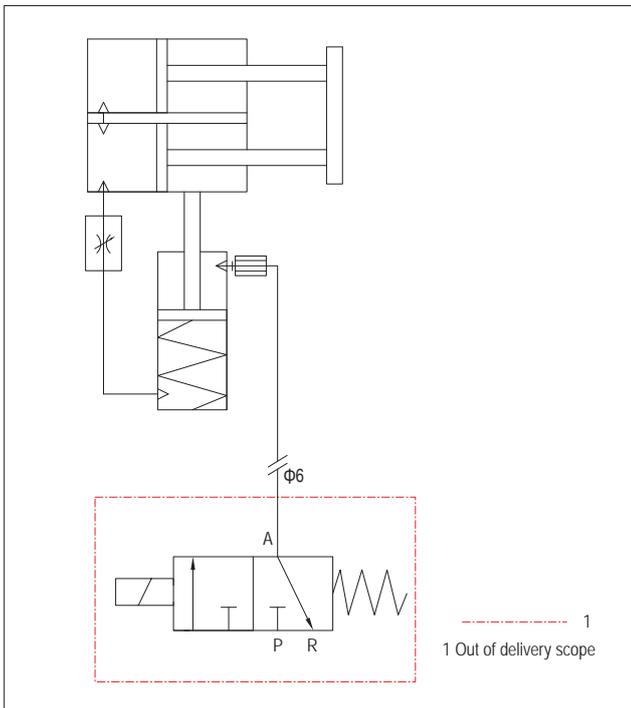
ST.PN.02/B-150 Pneumatic damping stop



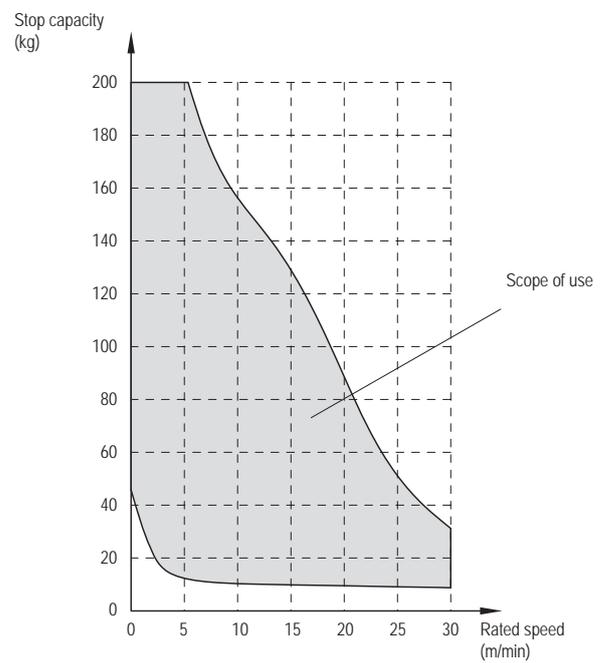
Sensor Installation Diagram



Schematic Diagram

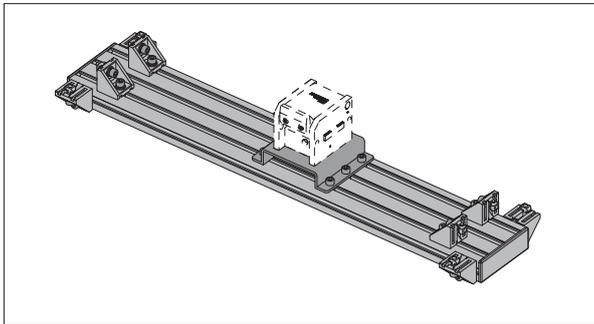


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

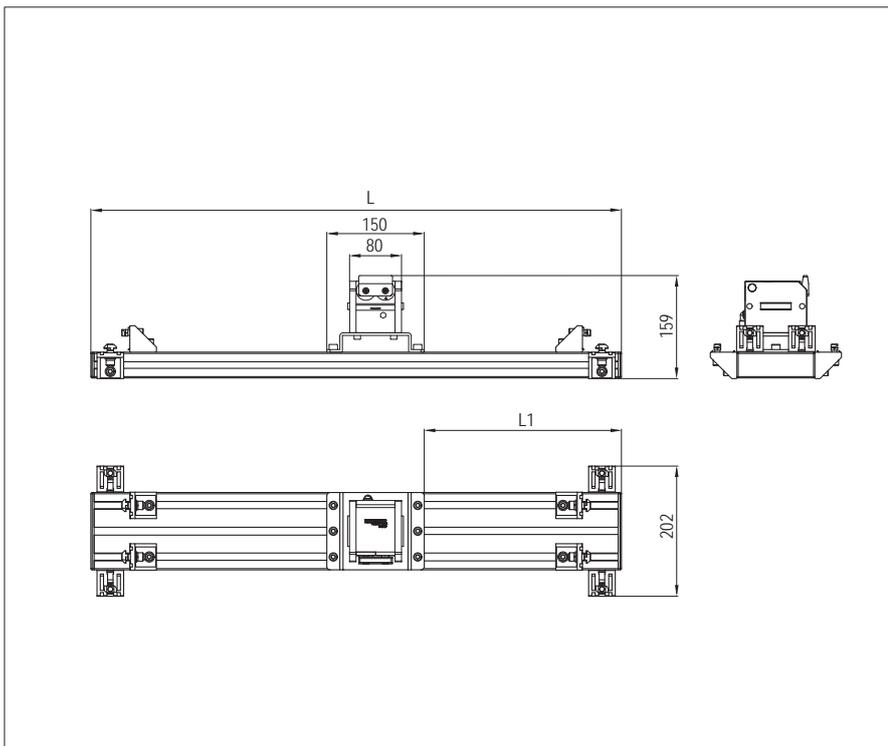


- ▶ Material: aluminum, steel, Diecast aluminum
- ▶ Used with ST.PN.02/B-150 pneumatic damper.
- ▶ Support length L is subject to the pallet width. The installation position of stop is subject to the corresponding location of the slot on the pallet.

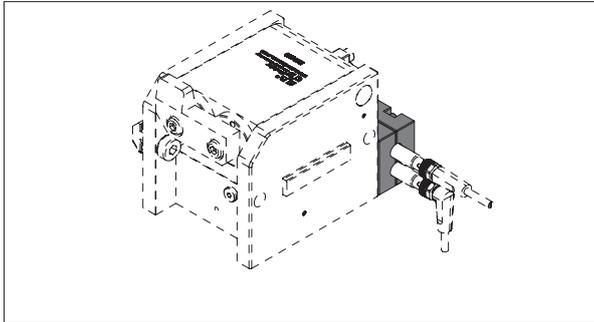
! Ordering reference

Product description	Delivery unit	Part No.
Support	1	Custom made(No stock for now)

Dimension



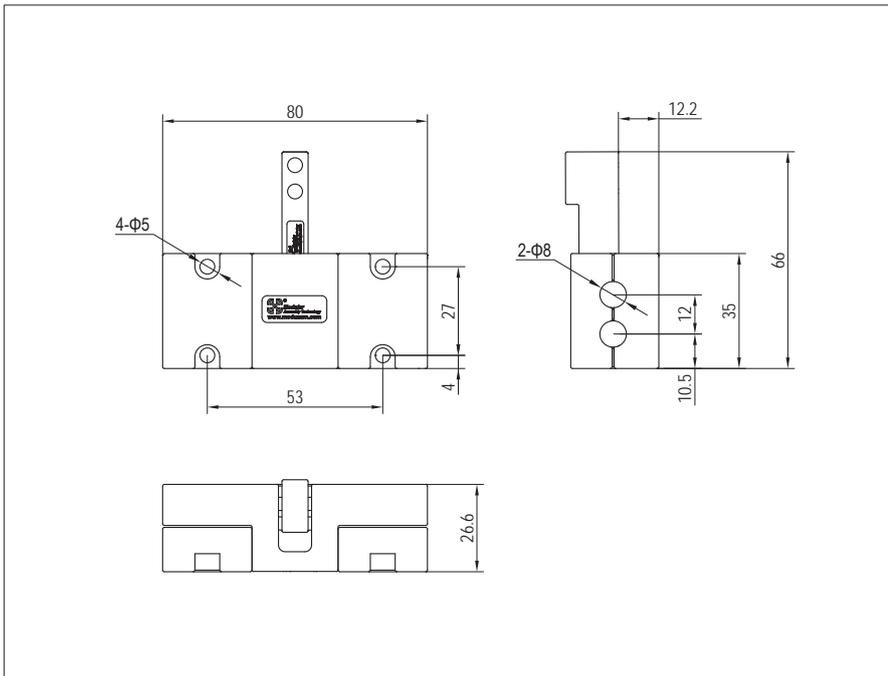
Detection Unit for Stop



- ▶ Material: Bracket, PA6 Black; detection rod, PA6 Black, SUS304
- ▶ Used with 50804101 / 50804102 Stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50804200

Dimension



▶ Scope of delivery

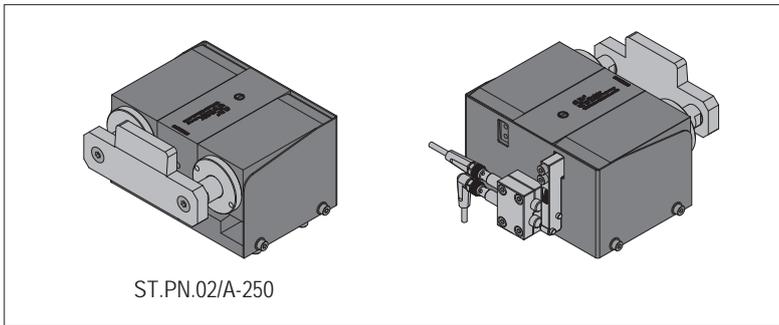
Including all fastening sets to mount on pallet conveyer

▶ Supply mode

Not equipped

ST.PN.02/A-250 Pneumatic Damping Stop

 Delivery **05** Workday
 Please contact us if order quantities more than 50 pcs



Features/Benefits

1. All-metal design with double piston damper.
2. No inverse operation allowed and to be installed on the transverse bracing on inner side of conveyor line.
3. Operation noise less than 60 dB. Stop and release height is 11.5 mm, buffer stroke is 24 mm.
4. It can be used on PTS1, PTS2, PTS1/H and PTS4 conveyor to control WP2/S, WP2/E or WP2/C pallet.
5. Damped stopping of the first accumulating pallet. It stops one or more accumulating pallets at the defined position. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Fittings

ST.PN.02/A-250 Including fastening sets (4xLH) . Pneumatic damping stop is installed on the inside of main conveyor section with support. The support need to be ordered separately (including fasteners 6xLG+10xSG)(see PG 143)

LH	Fastening Set	LG	Fastening Set	SG	Fastening Set
	M8x30 Bolt stainless steel		M8x15 Bolt zinc plated		3.21.45.4545.STJ
	D8 Locking Washer 304		M8 Spring Washer zinc plated		
			M8 T Nut nickel plated		

2. Delivery condition

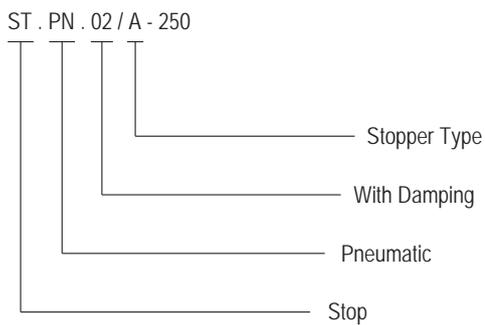
Equipped



Specifications

ST.PN.02/A-250 Part No.	50813100
Pallet and workpiece max. mass m_c (kg)	250 ¹⁾
Pallet and workpiece min. mass m (kg)	30 ¹⁾
ST.PN.02/A-250 Mass m (g)	3050
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304 Protection casing: carbon steel, black electrophoresis
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

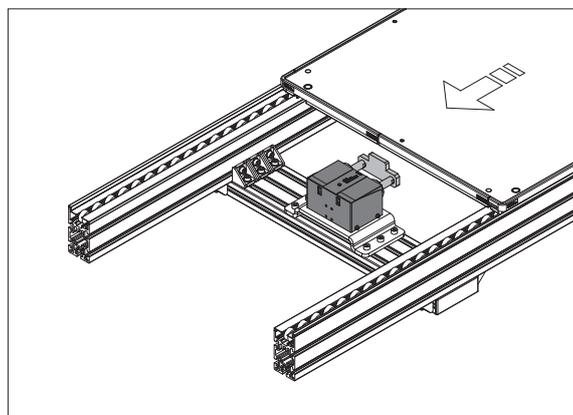
Ordering Reference



Installation Position

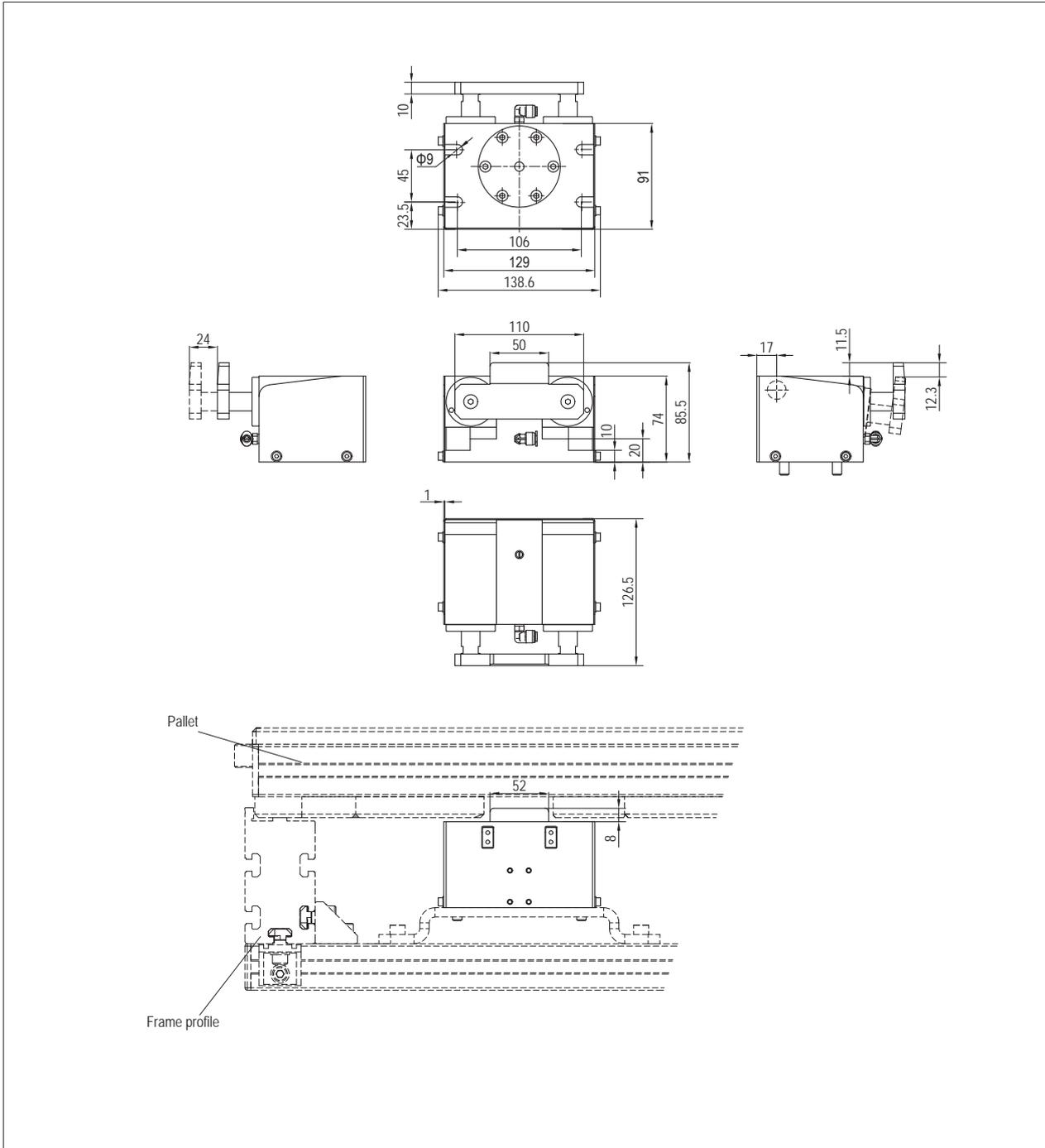


ST.PN.02/A-250 Pneumatic damping stop

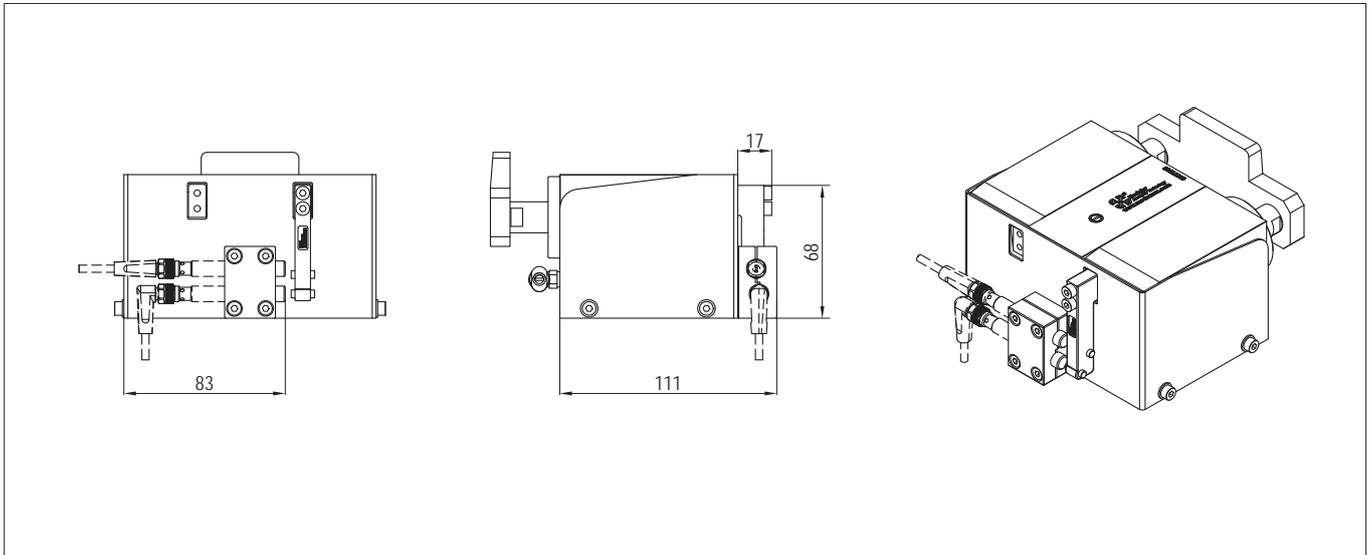


Dimension

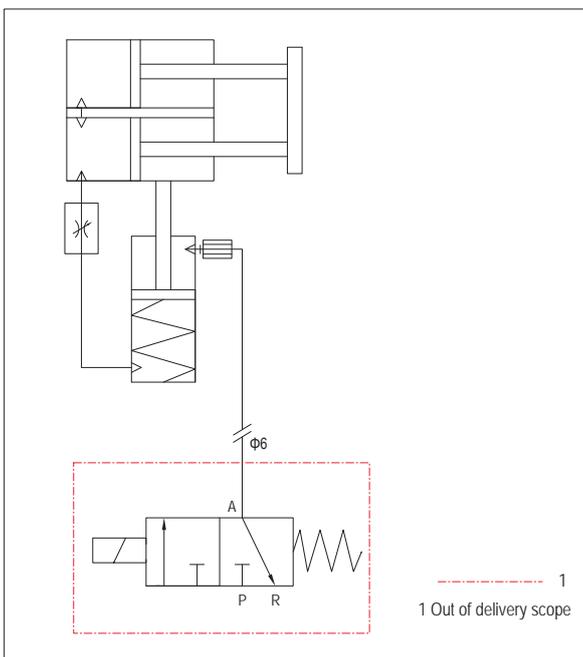
ST.PN.02/A-250 Pneumatic damping stop



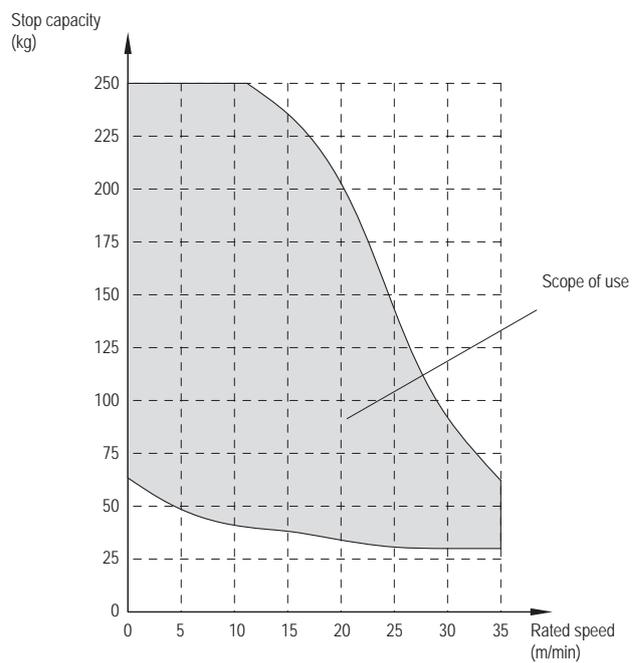
Sensor Installation Diagram



Schematic Diagram

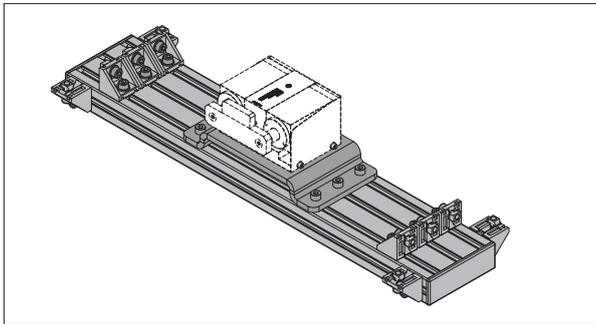


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

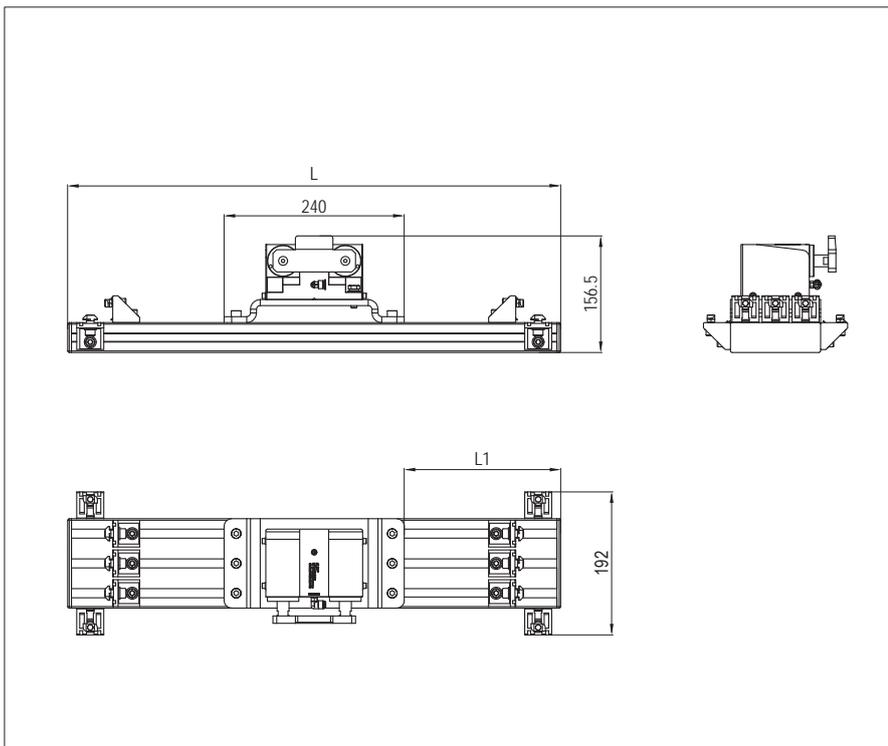


- ▶ Material: aluminum, steel, Diecast aluminum
- ▶ Used with ST.PN.02/A-250 pneumatic damper.
- ▶ Support length L is subject to the pallet width. The installation position of stop is subject to the corresponding location of the slot on the pallet.

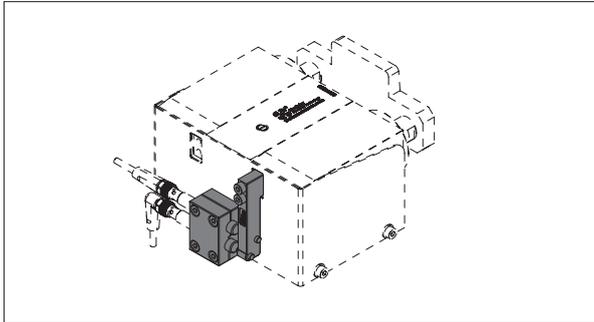
! Ordering reference

Product description	Delivery unit	Part No.
Support	1	Custom made (No stock for now)

Dimension



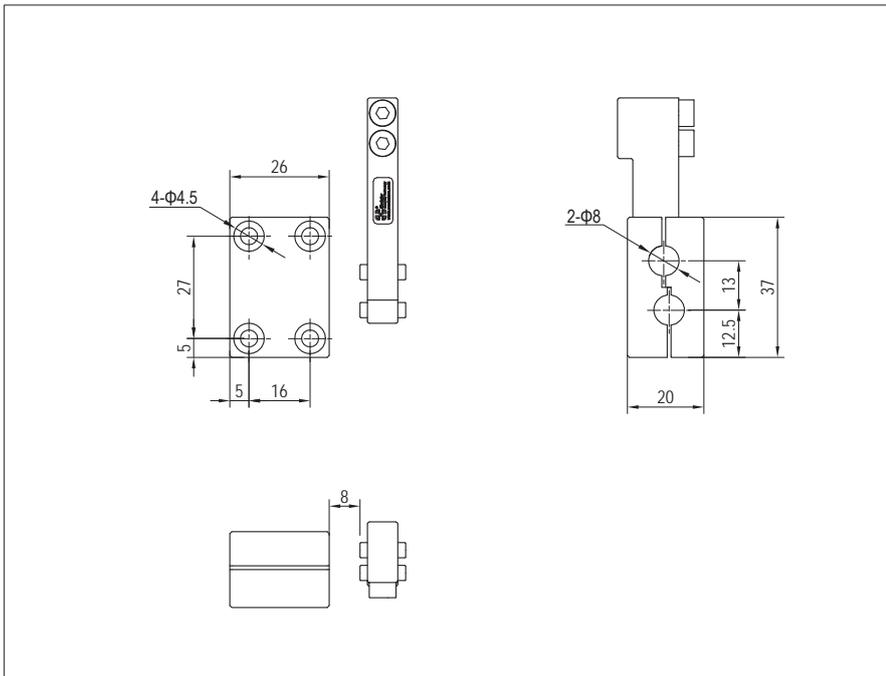
Detection Unit for Stop



- ▶ Material: Bracket, PA6 Black; detection rod, PA6 Black, SUS304
- ▶ Used with 50813100 Stop to detect whether the stop is under release condition.
- ▶ Matching accessory: M8x1 sensor (To be ordered separately).

Product description	Delivery unit	Part No.
Detection Unit for Stop	1	50813200

Dimension



▶ Scope of delivery

Including all fastening sets to mount on pallet conveyer

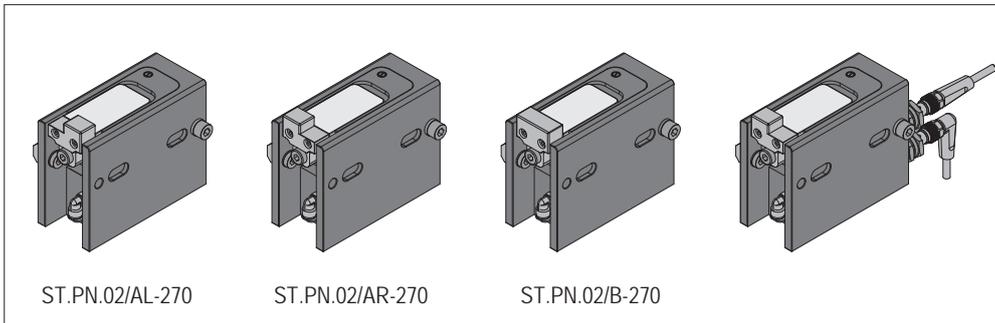
▶ Supply mode

Not equipped

ST.PN.02/...-270 Pneumatic Damping Stop


 Delivery **05** Workday


Please contact us if order quantities more than 50pcs



Features/Benefits

1. No inverse operation allowed and to be installed directly on the conveyor line or on the cross bracing of conveyor line.
2. Operation noise less than 60 dB. Stop and release height is 9 mm, buffer stroke is 35 mm.
3. It can be used on PTS1, PTS2 or PTS1/H conveyor to control WP2/S, WP2/E or WP2/C pallet.
4. Damped stopping of the first accumulating pallet. It stops one or more accumulating pallets at the defined position. When the pressure is released, the stop is closed by a spring and the workpiece pallet is stopped.

Supply Mode

1. Scope of delivery

Pneumatic damping stop with three different stop blocks

Fittings

Including all positioning and fastening sets (1xLD+1xLJ+2xGM) to mount on pallet conveyor.

LD	Fastening Set	LJ	Fastening Set	GM	Fastening Set
	M8x16 Bolt (DIN 7984) zinc plated D8 Locking Washer 304 M8 T Nut nickel plated		M8x65 Bolt (DIN 7984) zinc plated D8 Locking Washer 304 M8 T Nut nickel plated		Positioning part

2. Delivery condition

Equipped

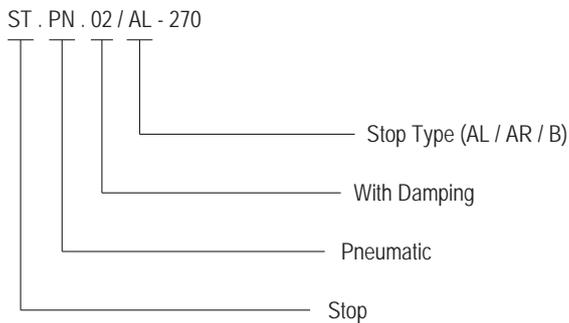
Locking torque of M8x65 bolt is 10.6 N.m.



Specifications

ST.PN.02/AL-270 Part No.	50815101
ST.PN.02/AR-270 Part No.	50815102
ST.PN.02/B-270 Part No.	50815103
Pallet and workpiece max. mass m _G (kg)	270 ¹⁾
Pallet and workpiece min. mass m (kg)	8 ¹⁾
ST.PN.02/AL-270 Mass m (g)	1750
ST.PN.02/AR-270 Mass m (g)	1750
ST.PN.02/B-270 Mass m (g)	1760
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0..60
Quick connector Φ6	Hose, outer diameter Φ6
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

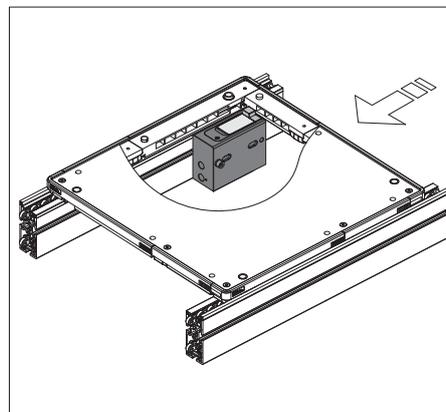
Ordering Reference



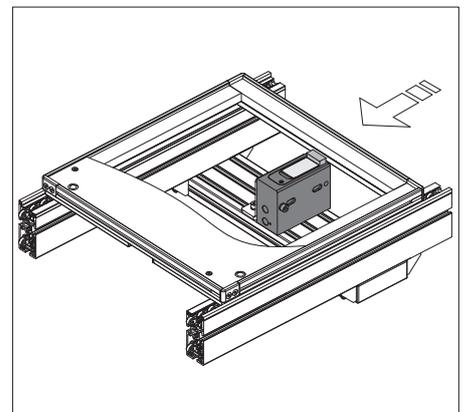
Installation Position



ST.PN.02/AR-270 Pneumatic damping stop



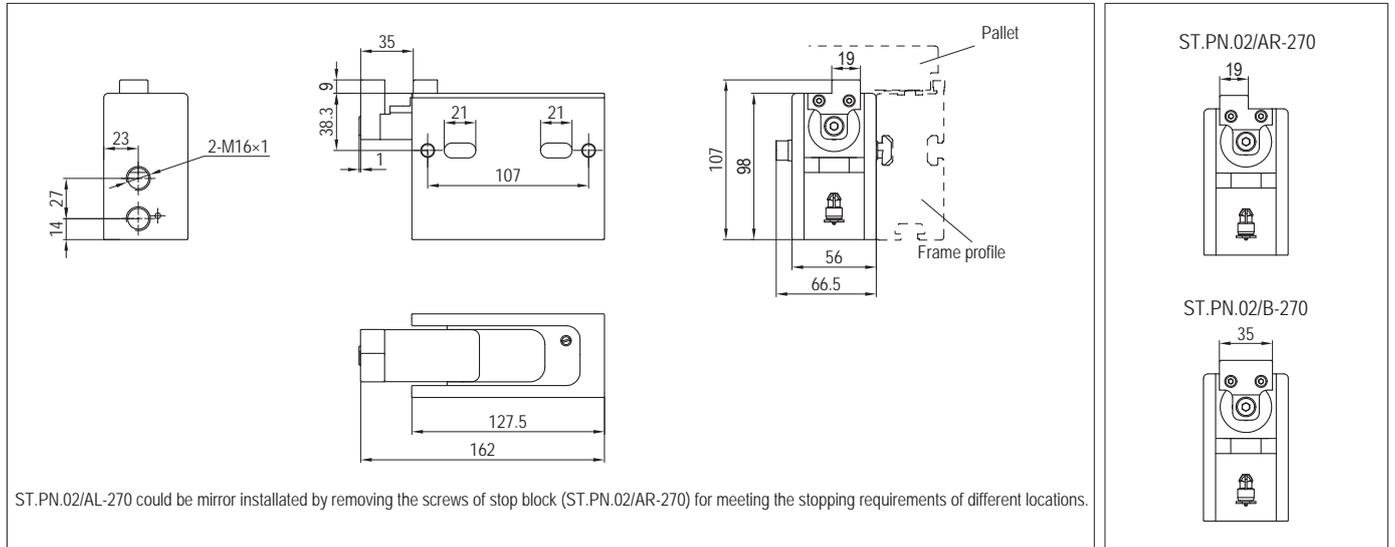
ST.PN.02/AL-270 Pneumatic damping stop



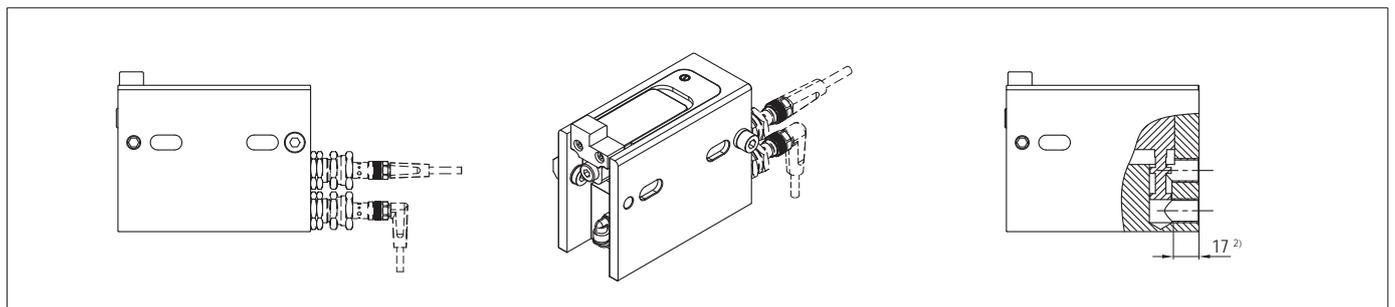
ST.PN.02/B-270 Pneumatic damping stop

Dimension

ST.PN.02/AL-270 Pneumatic Damping Stop



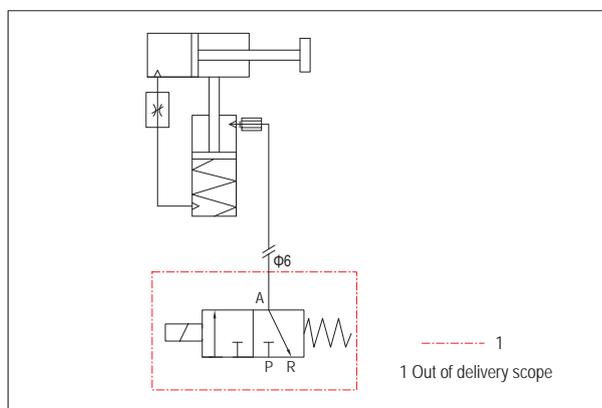
Sensor Installation Diagram



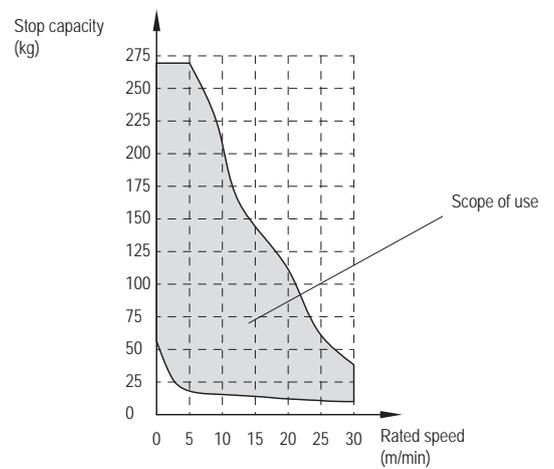
Matching accessory: M16x1 sensor mounting clip, M12x1 sensor (to be ordered separately)

²⁾ Screw-in length of sensor mounting clip

Schematic Diagram



Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.



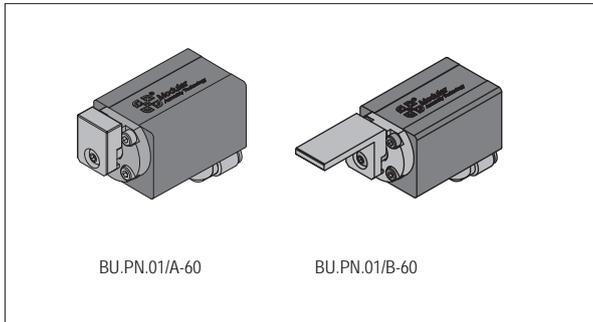
BU.PN.01/...-60 Pneumatic Damper



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



Features/Benefits

1. No inverse operation allowed and to be installed at the end of the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 21.5 mm. To work with WP2/S or WP2/C pallet.
3. BU.PN.01/A-60 pneumatic damper is suitable to be used on PTS1, PTS2 or PTS1/H conveyor. BU.PN.01/B-60 pneumatic damper is suitable to be used on lift and transverse unit.
4. The damper cushions the impact of pallets when they are moved from or onto a main conveyor section. When the stop is open and the pallet moves to the damper, the damper resets at the same time.
5. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic damper with different stop blocks

Fittings

BU.PN.01/A-60 is installed at the end of the main conveyor section with support. The support need to be ordered separately (including fasteners 2xGB+4xGU)(see PG 152).

BU.PN.01/B-60 pneumatic damper is directly installed on the side plate of lift and transverse unit. Including fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	M8x16 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 Spring Washer zinc plated		M6 Spring Washer zinc plated
	M8 Washer zinc plated		M6 Washer zinc plated
	M8 T Nut nickel plated		

2. Delivery condition

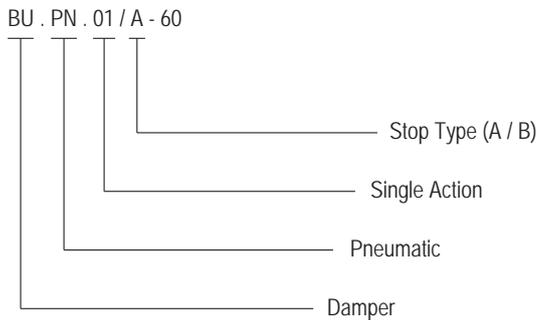
Equipped



Specifications

BU.PN.01/A-60 Part No.	50806101
BU.PN.01/B-60 Part No.	50806102
Pallet and workpiece max. mass m_G (kg)	60 ¹⁾
Pallet and workpiece min. mass m (kg)	1 ¹⁾
BU.PN.01/A-60 Mass m (g)	350
BU.PN.01/B-60 Mass/ m (g)	380
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

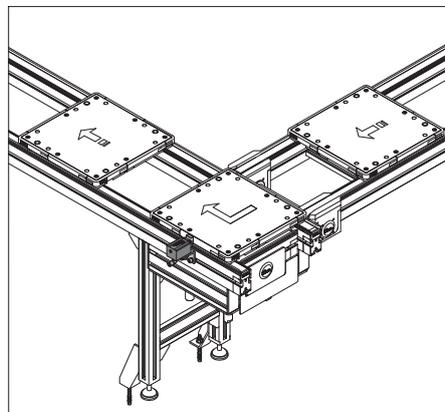
Ordering Reference



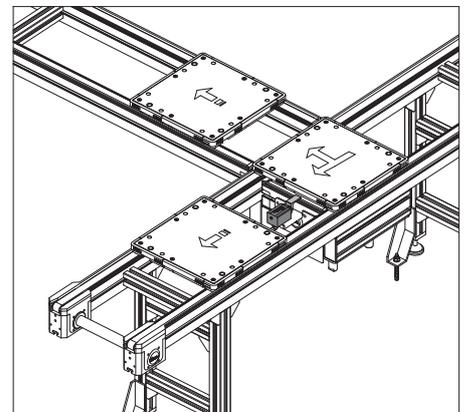
Installation Position



BU.PN.01/A-60 Pneumatic Damper



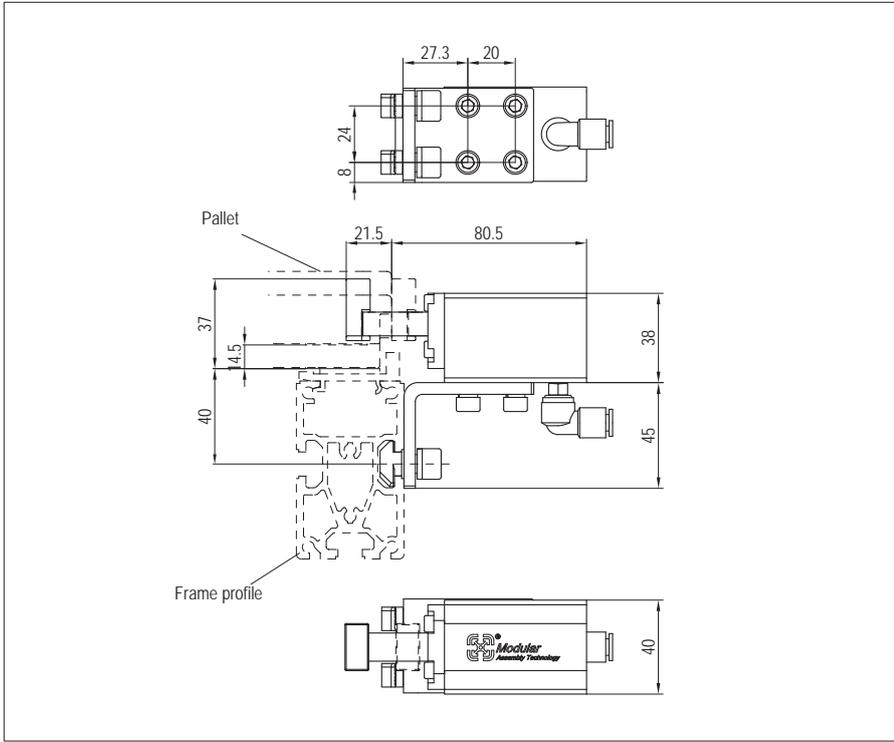
BU.PN.01/A-60 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.



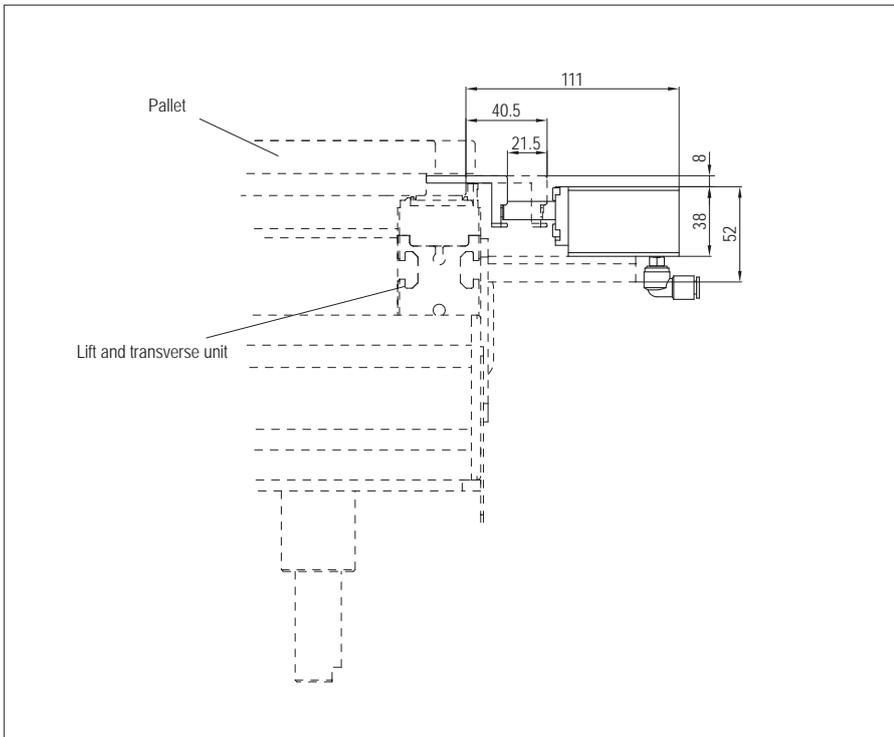
BU.PN.01/B-60 installed on the Lift and Transverse Unit (3 position) at the joint of the conveyor. It is used to buffer and stop the pallet outfeeding from the main conveyor.

Dimension

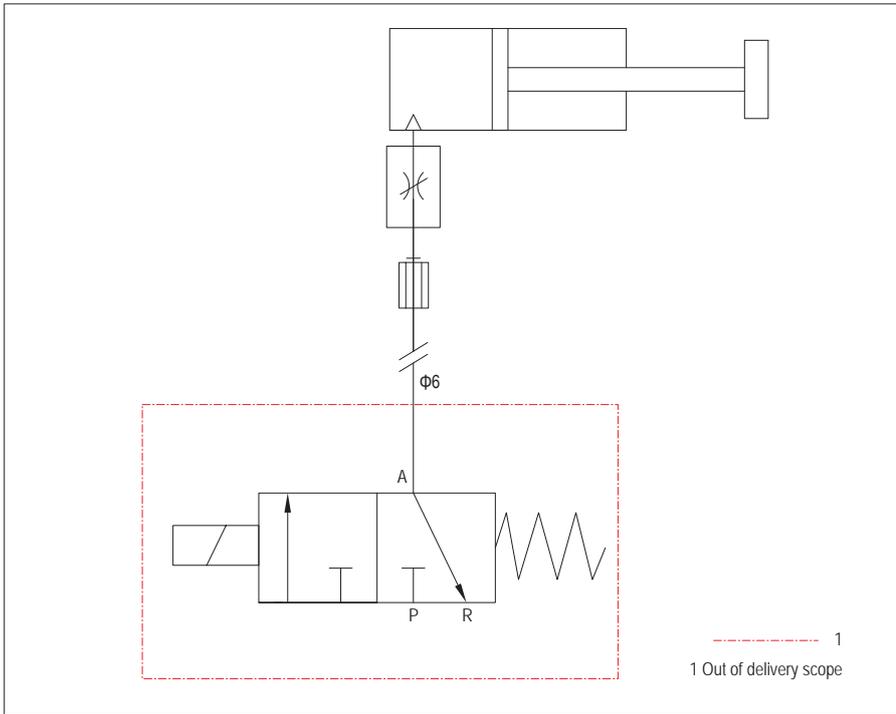
BU.PN.01/A-60 Pneumatic damper



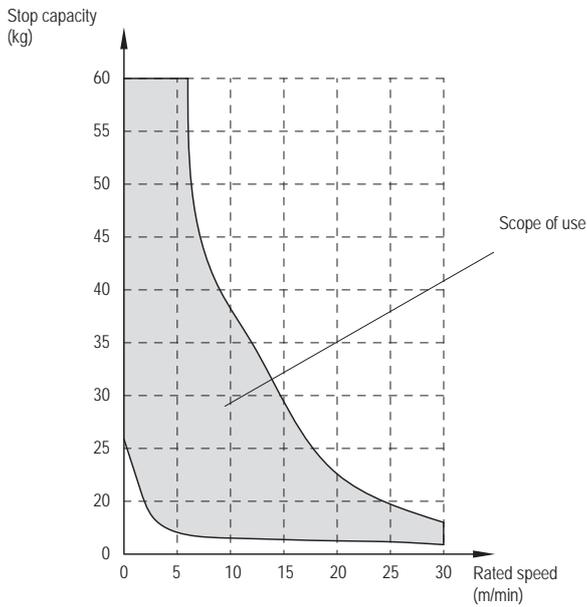
BU.PN.01/B-60 Pneumatic damper



Schematic Diagram



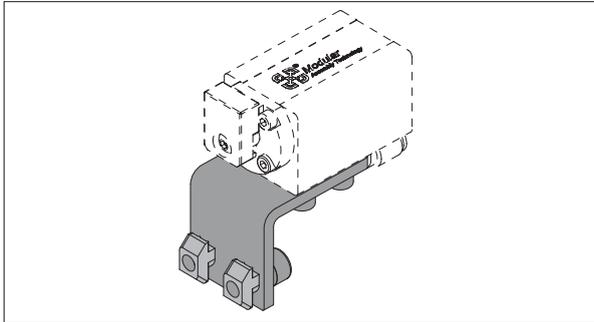
Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.



Support

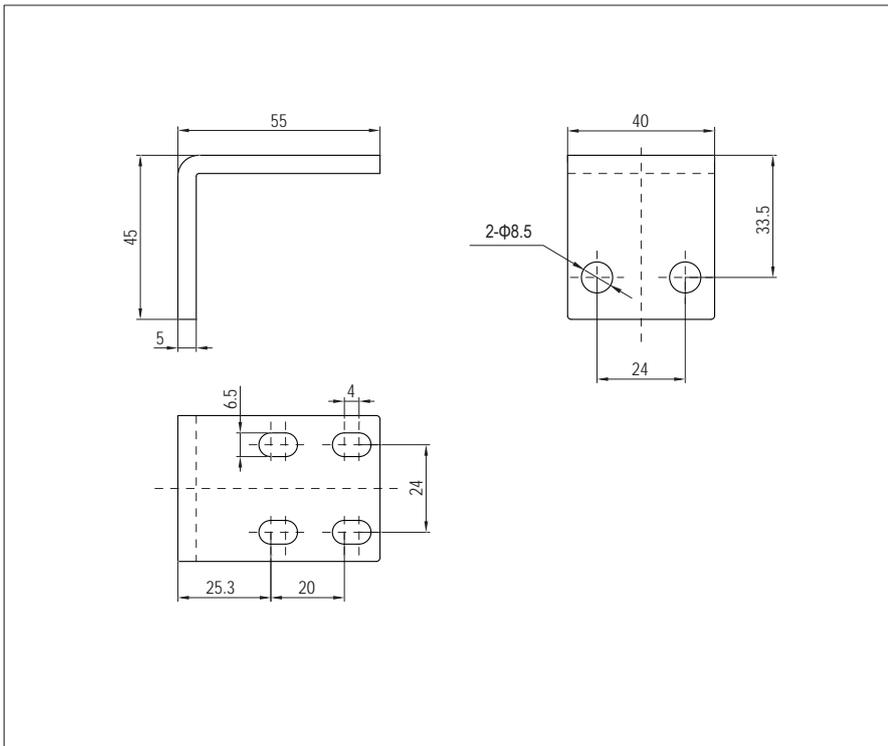


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.01/A-60 pneumatic damper

! Ordering reference

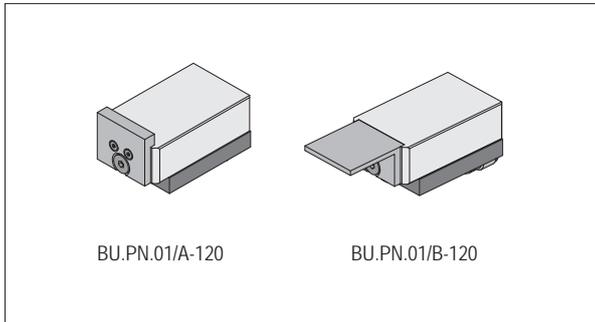
Product description	Delivery unit	Part No.
Support	1	50806103

Dimension



BU.PN.01/...-120 Pneumatic Damper

	Delivery	05	Workday
	Please contact us if order quantities more than 50 pcs		



Features/Benefits

1. No inverse operation allowed and to be installed at the end of the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 34.5 mm. To work with WP2/S, WP2/E or WP2/C pallet.
3. BU.PN.01/A-120 pneumatic damper is suitable to be used on PTS 1, PTS2 or PTS1/H conveyor.
4. BU.PN.01/B-120 pneumatic damper is suitable to be used on lift and transverse unit.
5. The damper cushions the impact of workpiece pallets when they are moved from or onto a main conveyor section. When the stop is open and the pallet move to the damper, the damper resets at the same time.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic damper with different stop blocks

Fittings

BU.PN.01/A-120 is installed at the end of the main conveyor section with support. The support need to be ordered separately (including fasteners 2xGB+4xGU) (see PG 157)

BU.PN.01/B-120 pneumatic damper is directly installed on the side plate of lift and transverse unit. Including fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	M6x16 Bolt zinc plated		M6x16 Bolt zinc plated
	M6 Spring Washer zinc plated		M6 Spring Washer zinc plated
	M6 Washer zinc plated		M6 Washer zinc plated
	M6 1/2 Nut nickel plated		

2. Delivery condition

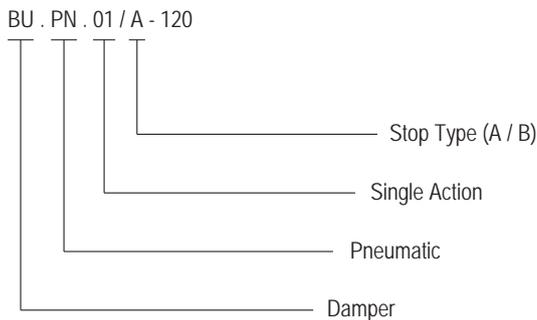
Equipped



Specifications

BU.PN.01/A-120 Part No.	50805101
BU.PN.01/B-120 Part No.	50805102
Pallet and workpiece max. mass m_G (kg)	120 ¹⁾
Pallet and workpiece min. mass m (kg)	10 ¹⁾
BU.PN.01/A-120 Mass m (g)	880
BU.PN.01/B-120 Mass m (g)	920
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

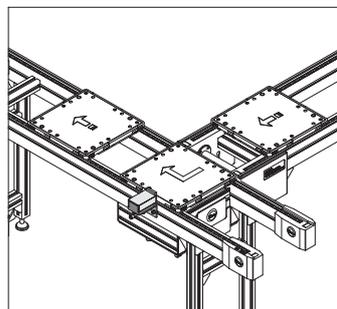
Ordering Reference



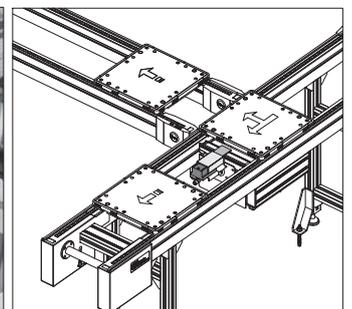
Installation Position



BU.PN.01/A-120 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

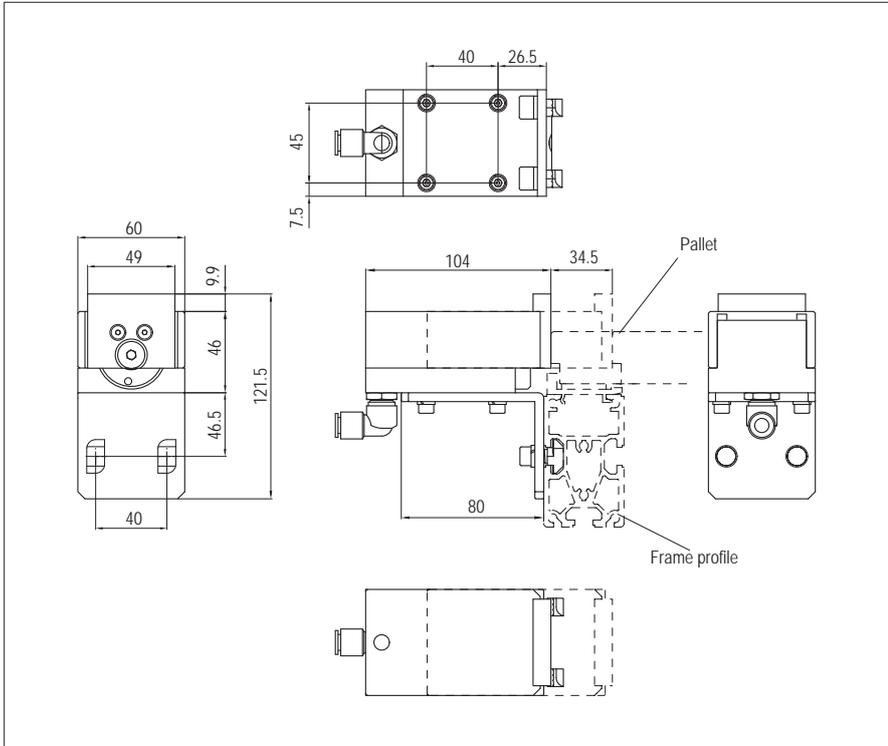


BU.PN.01/B-120 installed on the Lift and Transverse Unit(3 position)at the joint of the conveyor. It is used to buffer and stop the pallet outfeeding from the main conveyor.

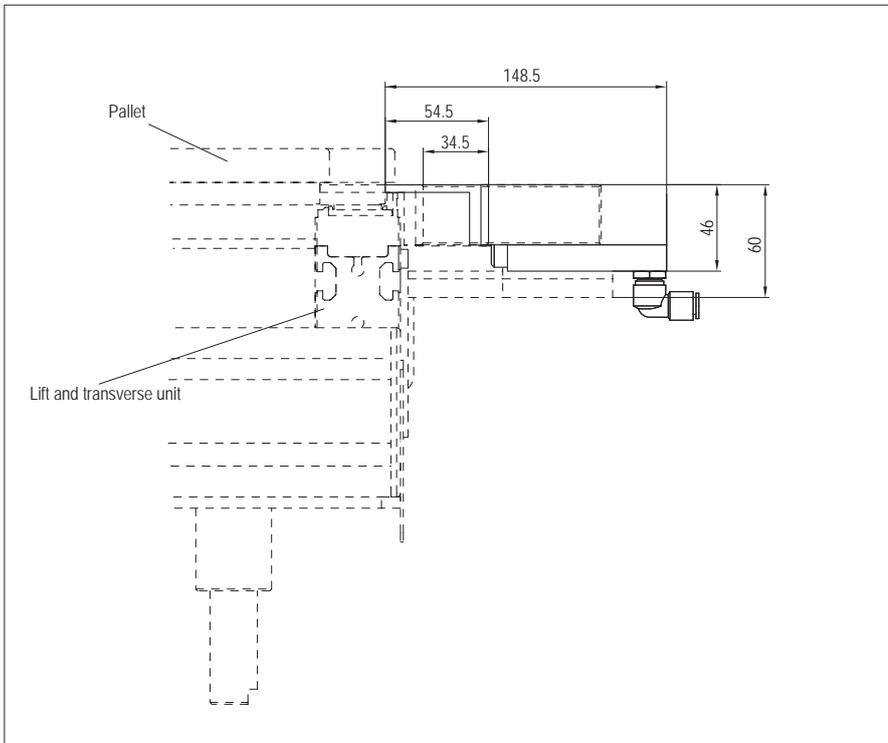


Dimension

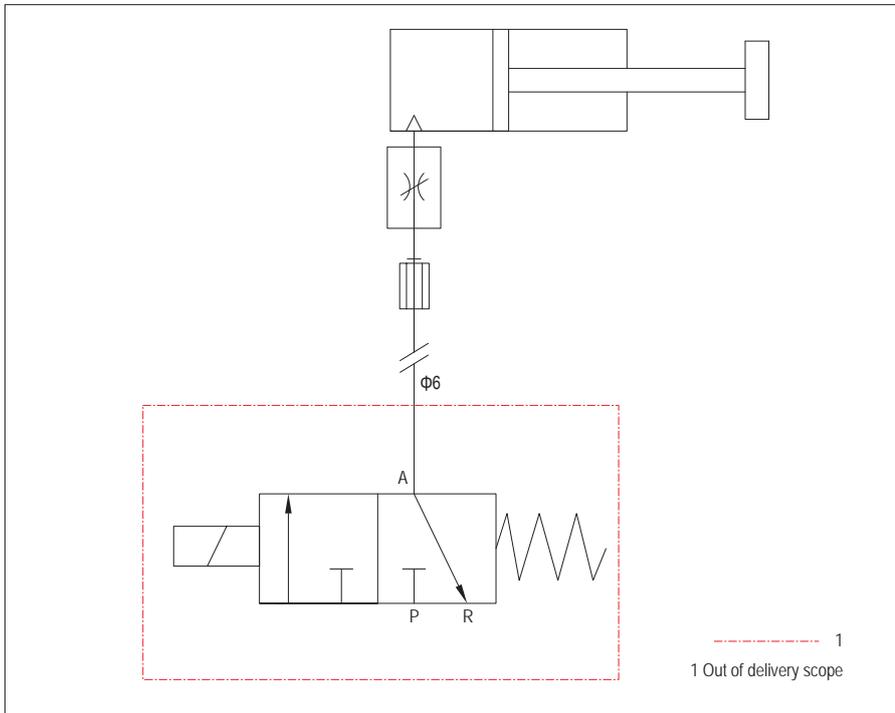
BU.PN.01/A-120 Pneumatic damper



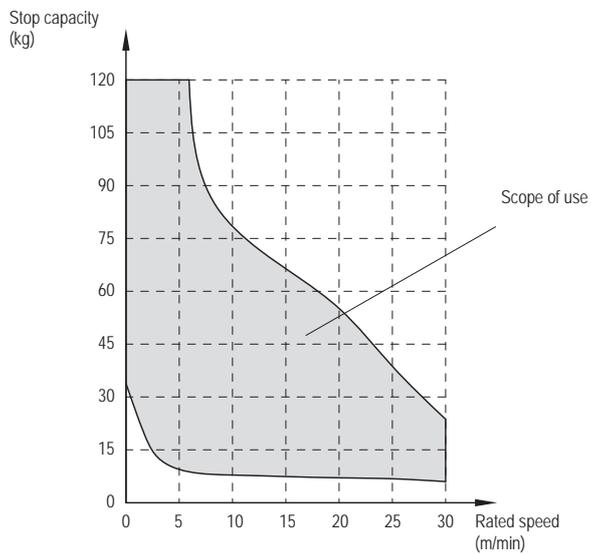
BU.PN.01/B-120 Pneumatic damper



Schematic Diagram

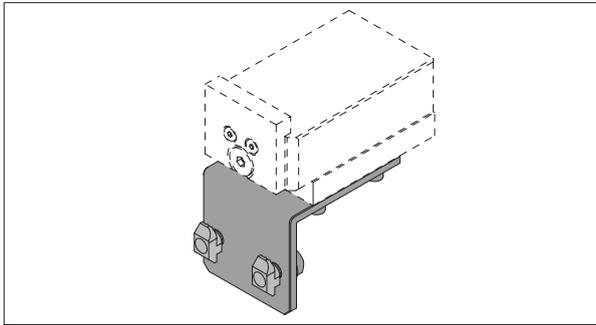


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

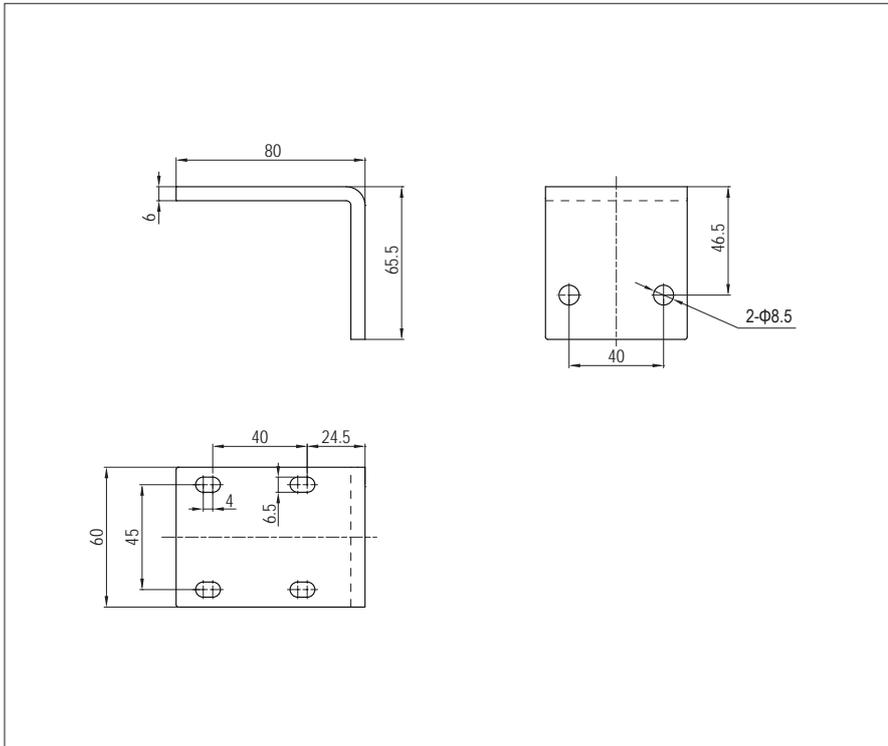


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.01/A-120 pneumatic damper

⚠ Ordering reference

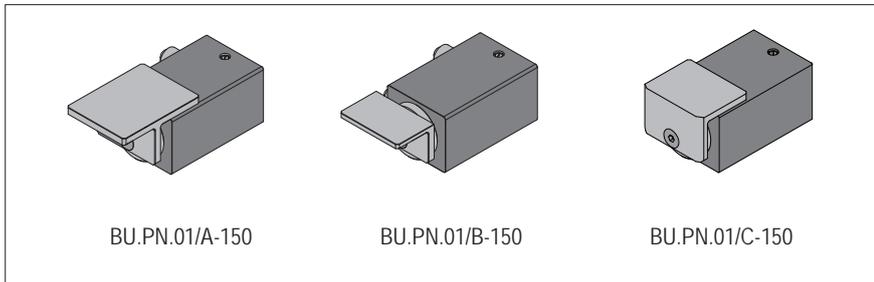
Product description	Delivery unit	Part No.
Support	1	50805103

Dimension



BU.PN.01/...-150 Pneumatic Damper

	Delivery	05	Workday
	Please contact us if order quantities more than 50 pcs		



Features/Benefits

1. No inverse operation allowed and to be easily and directly installed on the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 24 mm.
3. Used on PTS1, PTS1/H, PTS2, PTS4 conveyor or lift and transverse unit to control WP2/S, WP2/E or WP2/C pallet.
4. BU.PN.01/A/C-150 pneumatic damper cushions the impact of workpiece pallets when they are moved onto a main conveyor section. When the stop is open and the pallet moves to the damper, the damper resets at the same time.
5. BU.PN.01/B-150 pneumatic damper used with lift and transverse unit.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic damper with three different stop blocks

Fittings

BU.PN.01/A-150 is installed at the end of the main conveyor section with support. The support need to be ordered separately. (including fasteners 2xGB+4xGU) (see PG 162).

BU.PN.01/B-150 pneumatic damper is directly installed on the side plate of lift and transverse unit without support, Including fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	MBx16 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 Spring Washer zinc plated		M6 Spring Washer zinc plated
	M8 Washer zinc plated		M6 Washer zinc plated
	M8 T. Nut nickel plated		

2. Delivery condition

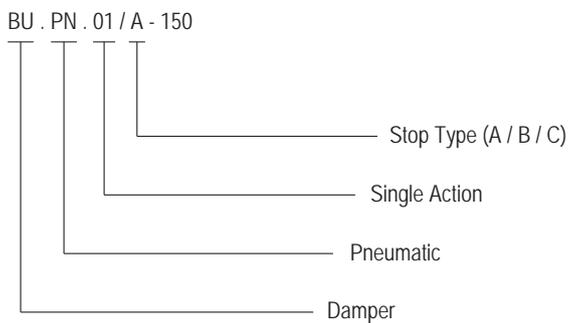
Equipped



Specifications

BU.PN.01/A-150 Part No.	50808131
BU.PN.01/B-150 Part No.	50808132
BU.PN.01/C-150 Part No.	50808133
Pallet and workpiece max. mass m_G (kg)	150 ¹⁾
Pallet and workpiece min. mass m (kg)	7 ¹⁾
BU.PN.01/A-150 Mass m (g)	1810
BU.PN.01/B-150 Mass m (g)	1830
BU.PN.01/C-150 Mass m (g)	1733
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

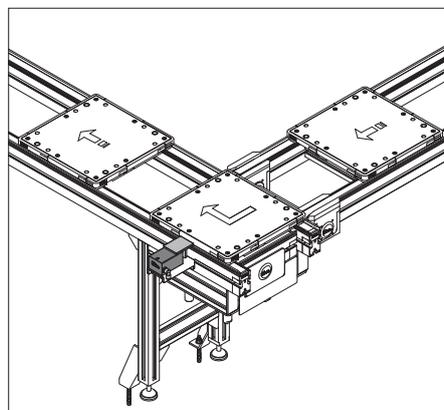
Ordering Reference



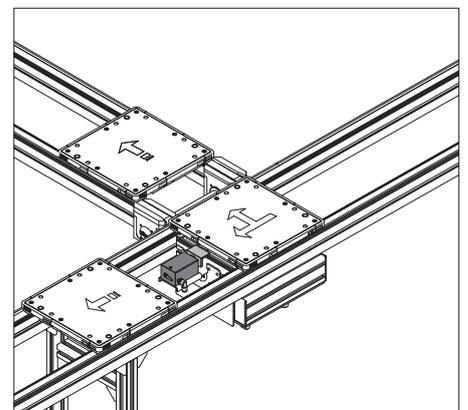
Installation Position



BU.PN.01/A-150 Pneumatic Damper



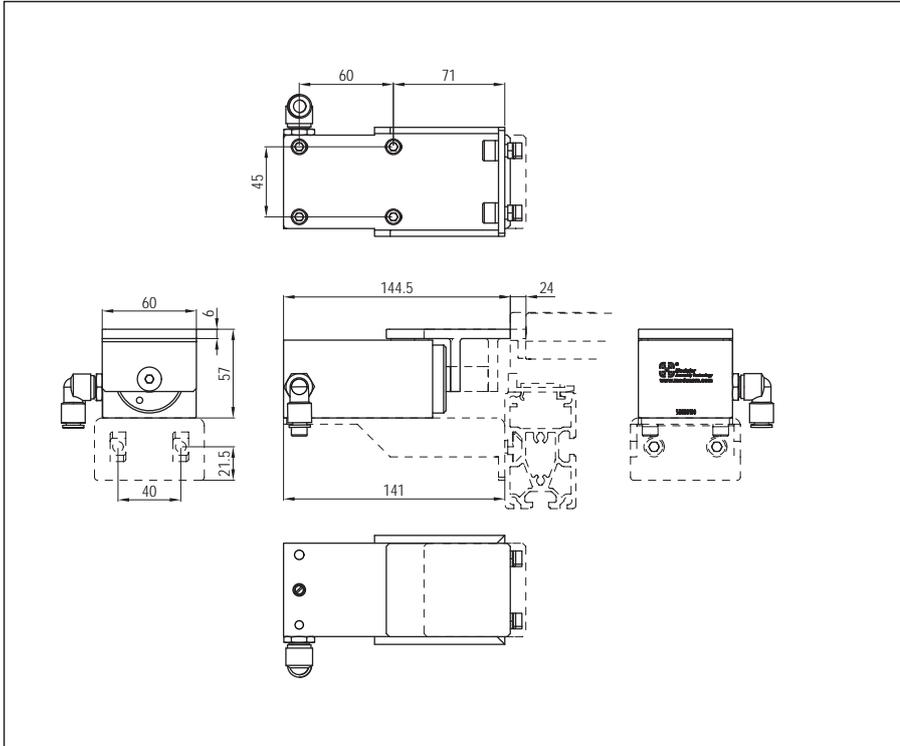
BU.PN.01/A/C-150 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.



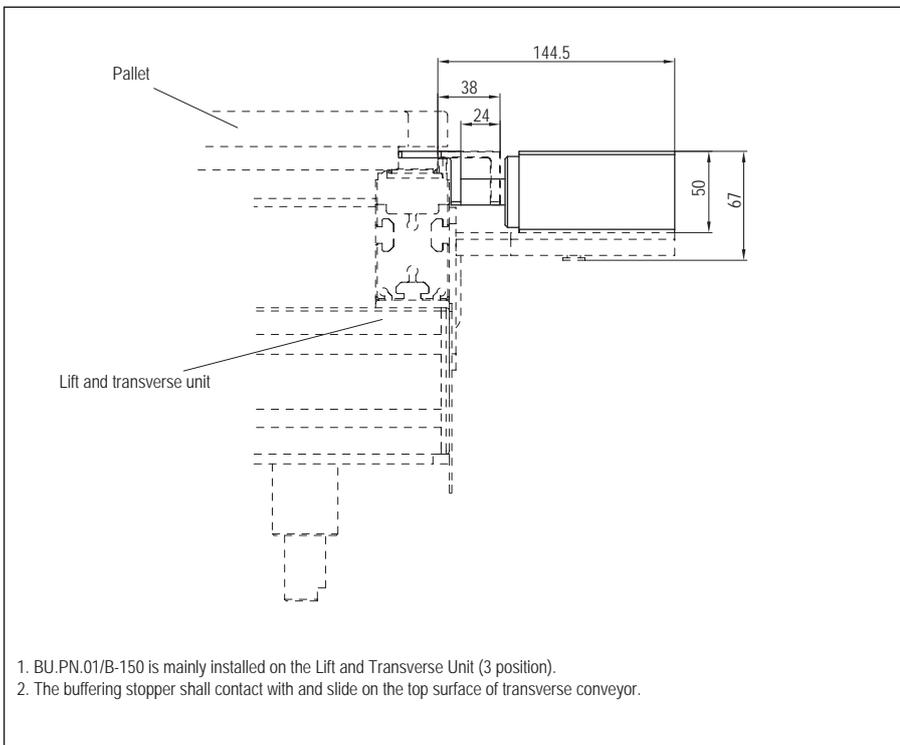
BU.PN.01/B-150 installed on the Lift and Transverse Unit (3 position) at the joint of the conveyor. It is used to buffer and stop the pallet outfeeding from the main conveyor.

Dimension

BU.PN.01/A-150 Pneumatic damper

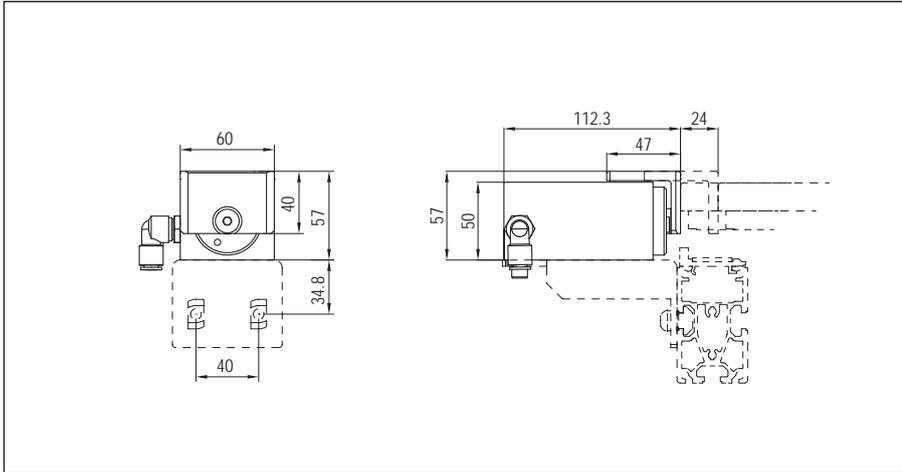


BU.PN.01/B-150 Pneumatic damper

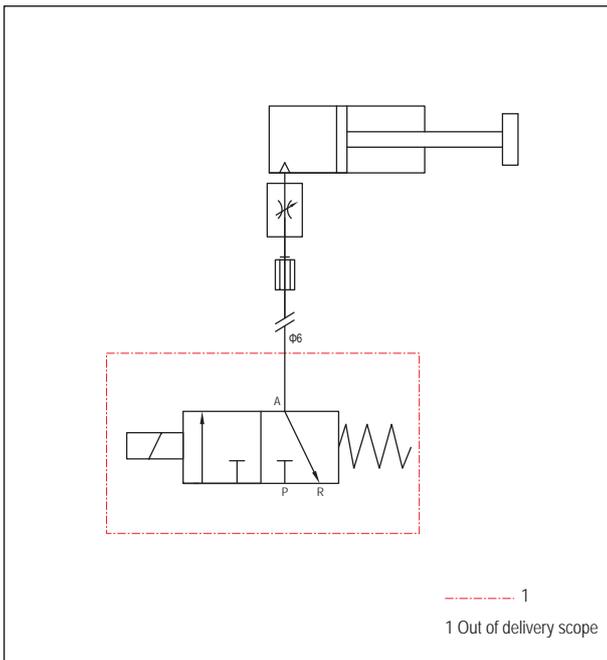


Dimension

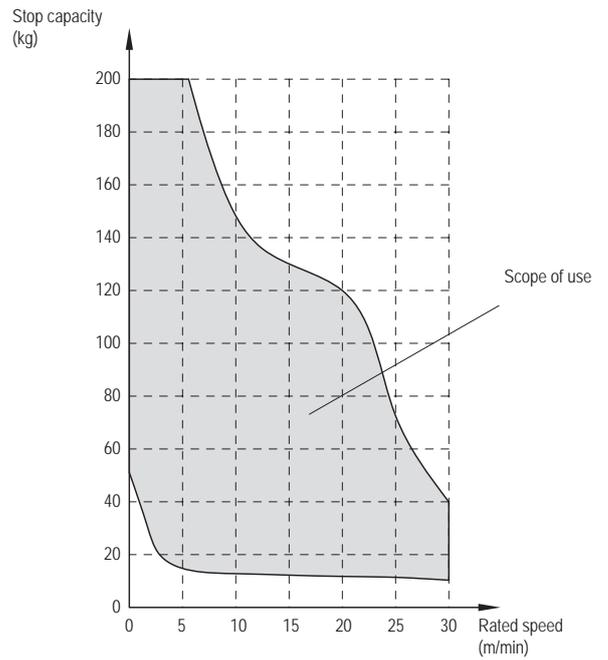
BU.PN.01/C-150 Pneumatic damper



Schematic Diagram

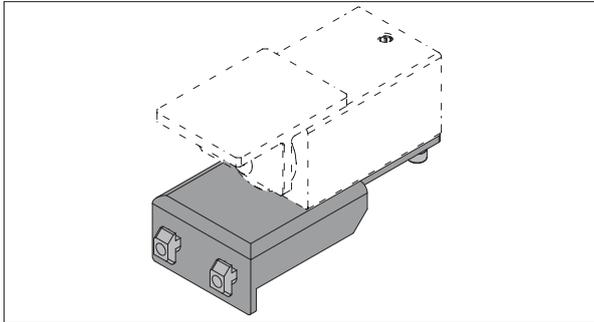


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

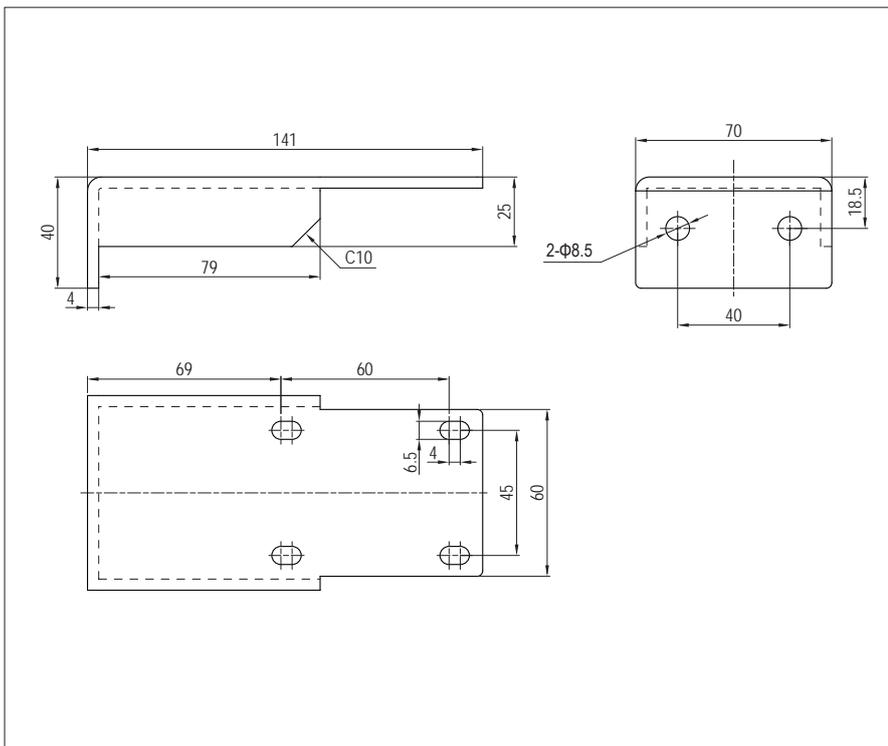


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.01/A-150 Pneumatic damper.

! Ordering reference

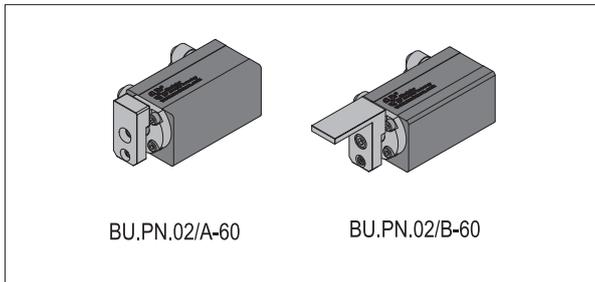
Product description	Delivery unit	Part No.
Support	1	50808103

Dimension



BU.PN.02/...-60 Pneumatic Double Action Damper

	Delivery	05	Workday
	Please contact us if order quantities more than 50pcs		



Features/Benefits

1. No inverse operation allowed and to be easily and directly installed on the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 21.5 mm.
3. To be used on PTS1, PTS2, PTS1/H conveyor or lift and transverse unit to control WP2/S, WP2/E or WP2/S.
4. BU.PN.02/A-60 damper cushions the impact of workpiece pallets when they are moves onto a main conveyor section. When the stop is open and the pallet move to the damper, the damper resets at the same time. When the pallet runs along the main conveyor section, the stopper withdraws and the pallet will pass.
5. BU.PN.02/B-60 pneumatic double action damper is suitable to be used on lift and transverse unit. BU.PN.02/A-60 and BU.PN.02/B-60 damper are used when the transition between main conveyor section and branch section is required.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic double action damper with different stop blocks

Fittings

BU.PN.02/A-60 is installed on the side of the main conveyor section with support. The support need to be ordered separately (including fasteners 2xGB+4xGU) (see PG 167).

BU.PN.02/B-60 pneumatic damper is directly installed on the side plate of lift and transverse unit without support, Including Fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	M8x16 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 Spring Washer zinc plated		M6 Spring Washer zinc plated
	M8 Washer zinc plated		M6 Washer zinc plated
	M8 T Nut nickel plated		

2. Delivery condition

Equipped

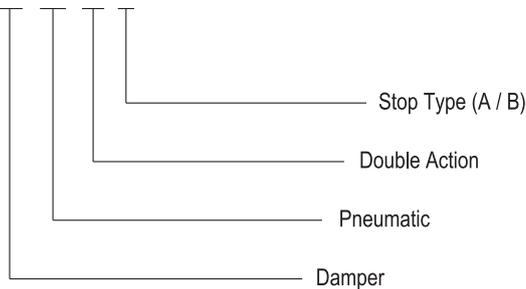


Specifications

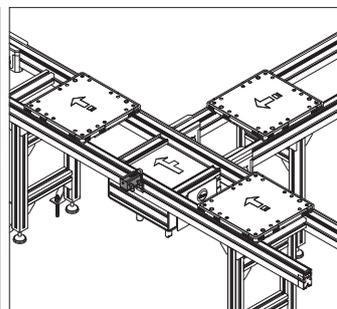
BU.PN.02/A-60 Part No.	50809101
BU.PN.02/B-60 Part No.	50809102
Pallet and workpiece max. mass m_G (kg)	60 ¹⁾
Pallet and workpiece min. mass m (kg)	5 ¹⁾
BU.PN.02/A-60 Mass m (g)	450
BU.PN.02/B-60 Mass m (g)	470
ESD	Yes
Material	Case: aluminum alloy(black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0,4 ~ 0,8 clean compressed air

Ordering Reference

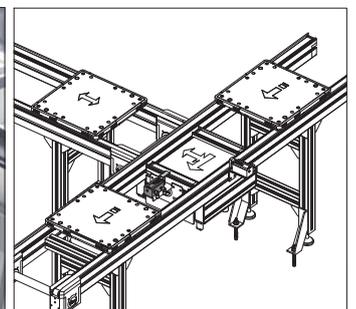
BU . PN . 02 / A - 60



Installation Position



BU.PN.02/A-60 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

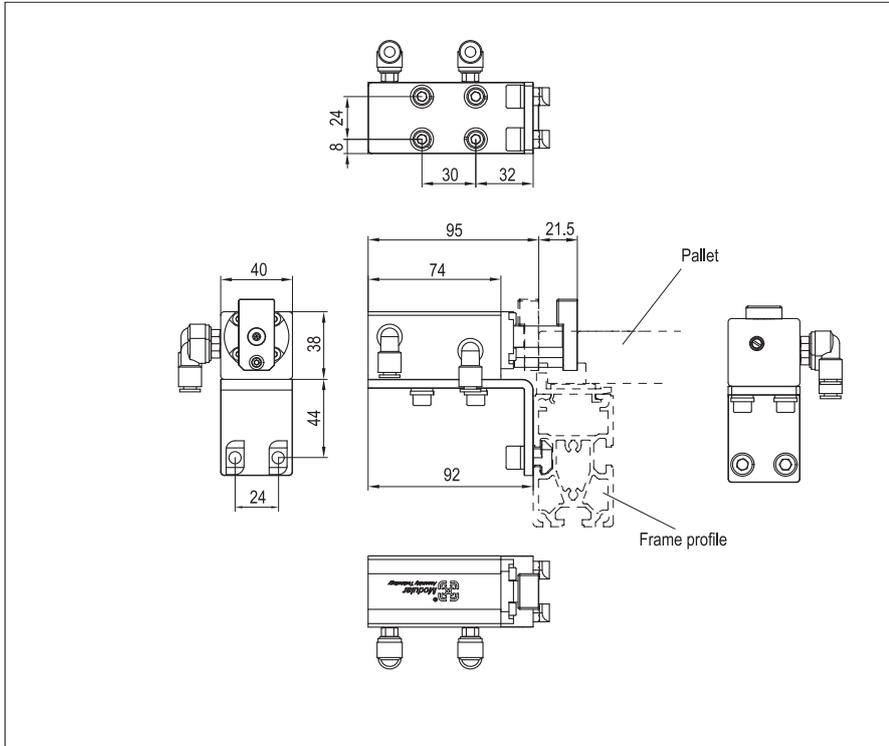


BU.PN.02/B-60 installed on the Lift and Transverse Unit(3 position)at the joint of the conveyor. It is used to buffer and stop the pallet outfeeding from the main conveyor.

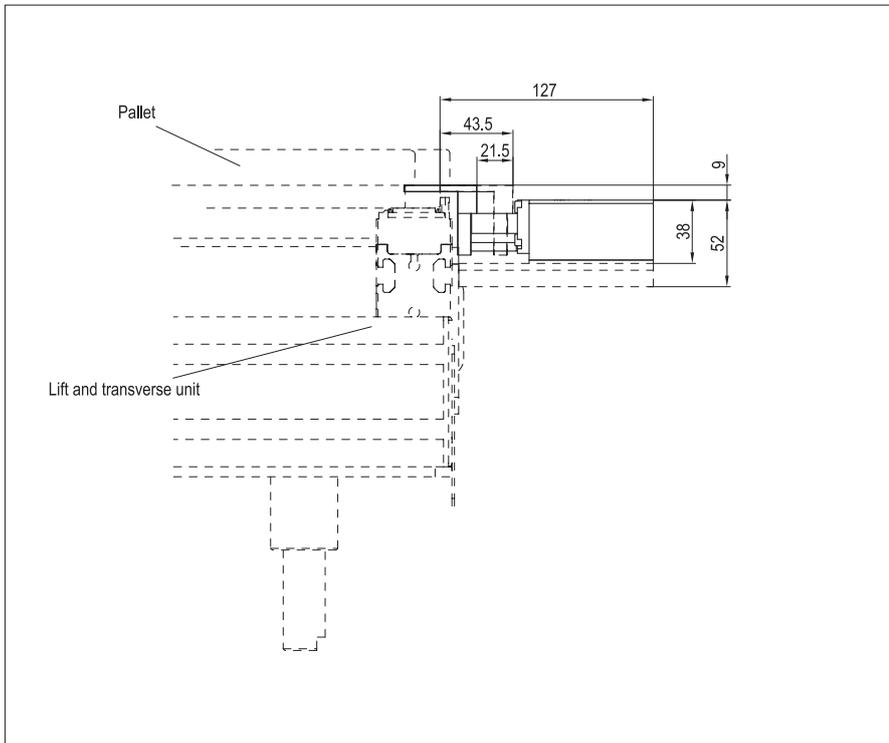


Dimension

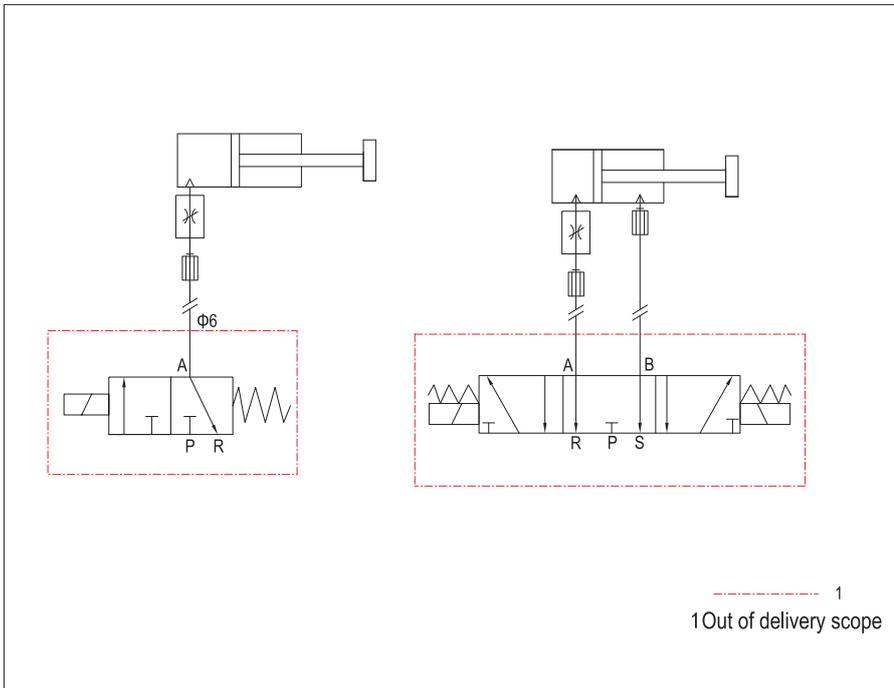
BU.PN.02/A-60 Pneumatic double action damper



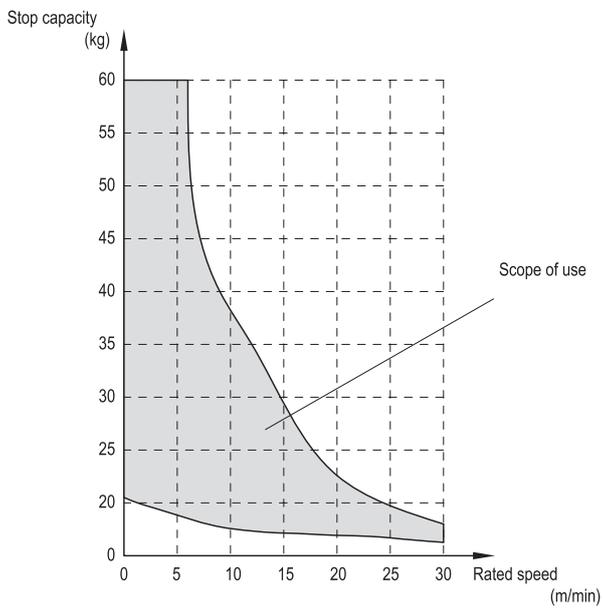
BU.PN.02/B-60 Pneumatic double action damper



Schematic Diagram

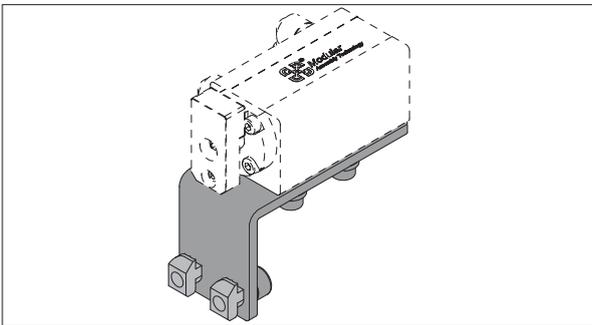


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Dimension

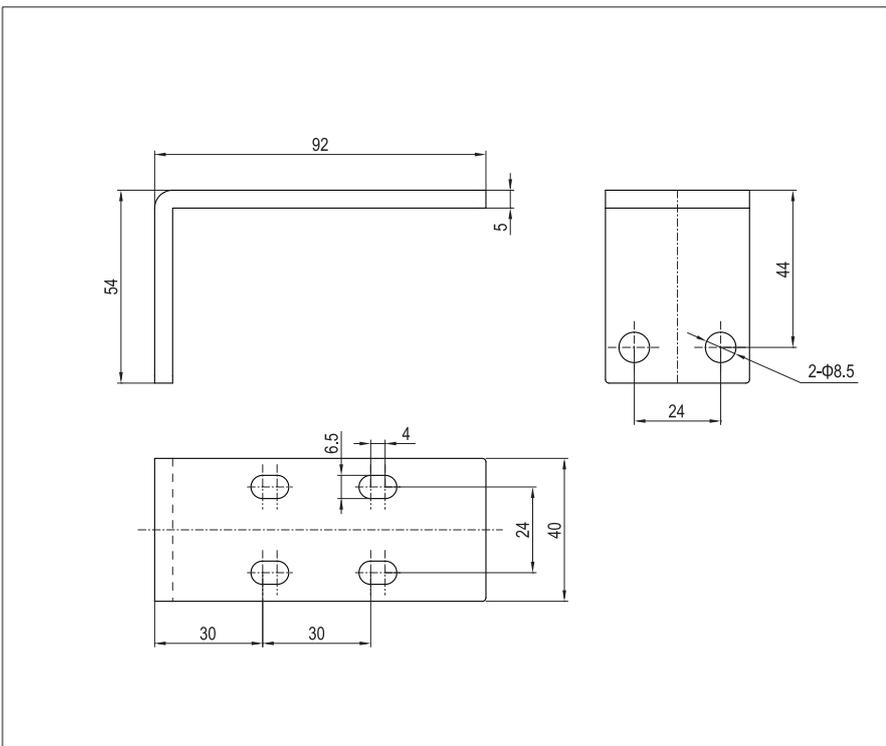


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.02/A-60 pneumatic double action damper

! Ordering reference

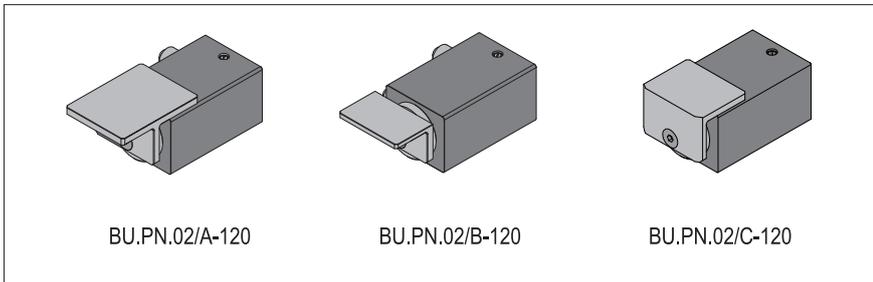
Product description	Delivery unit	Part No.
Support	1	50809103

Dimension



BU.PN.02/...-120 Pneumatic Double Action Damper

	Delivery	05	Workday
	Please contact us if order quantities more than 50pcs		


Features/Benefits

- 1.No inverse operation allowed and to be easily and directly installed on the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 24 mm.
3. Used on PTS1, PTS1/H, PTS2, PTS4 conveyor or lift and transverse unit to control WP2/S, WP2/E or WP2/C pallet.
4. BU.PN.02/A-120 pneumatic double action damper cushions the impact of workpiece pallets when they are moved onto a main conveyor section. When the stop is open and the pallet moves to the damper, the damper resets at the same time. When the pallet runs along the main conveyor section, the stopper withdraws and the pallet will pass.
5. BU.PN.02/B-120 pneumatic double action damper is suitable to be used on lift and transverse unit. BU.PN.02/B-120 and BU.PN.02/A/C-120 damper are used when the transition between main conveyor section and branch section is required.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic double action damper with different stop blocks

Fittings

BU.PN.02/A-120 is installed at the end of the main conveyor section with support. The support need to be ordered separately. (including fasteners 2xGB+4xGU) (see PG 172).

BU.PN.02/B-120 pneumatic damper is directly installed on the side plate of lift and transverse unit without support, Including fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	MBx16 Bolt zinc plated		MBx16 Bolt zinc plated
	M8 Spring Washer zinc plated		M8 Spring Washer zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated
	M8 T. Nut nickel plated		M8 Washer zinc plated

2. Delivery condition

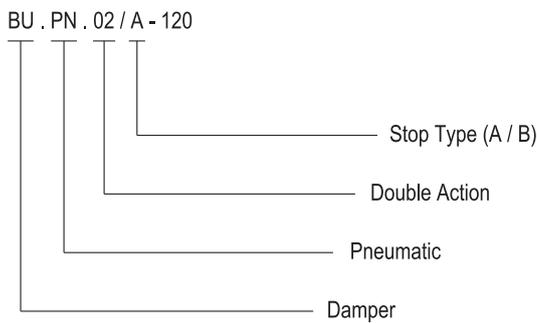
Equipped



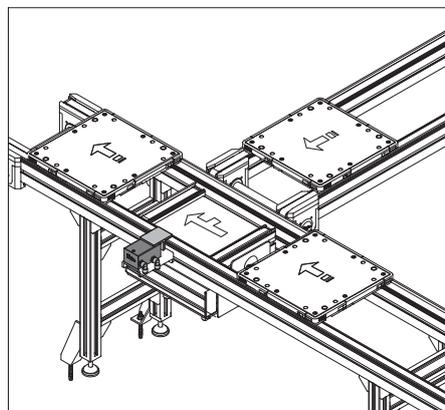
Specifications

BU.PN.02/A-120 Part No.	50808101
BU.PN.02/B-120 Part No.	50808102
BU.PN.02/C-120 Part No.	50808104
Pallet and workpiece max. mass m_e (kg)	120 ¹⁾
Pallet and workpiece min. mass m (kg)	10 ¹⁾
BU.PN.02/A-120 Mass m (g)	1810
BU.PN.02/B-120 Mass m (g)	1830
BU.PN.02/C-120 Mass m (g)	1733
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

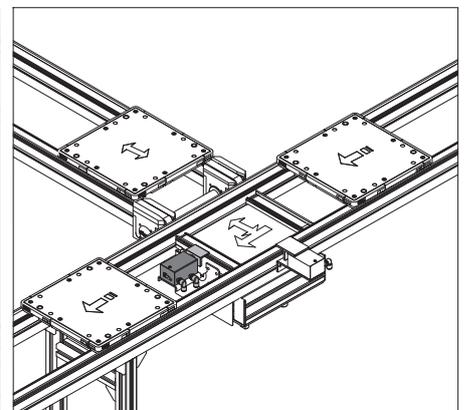
Ordering Reference



Installation Position



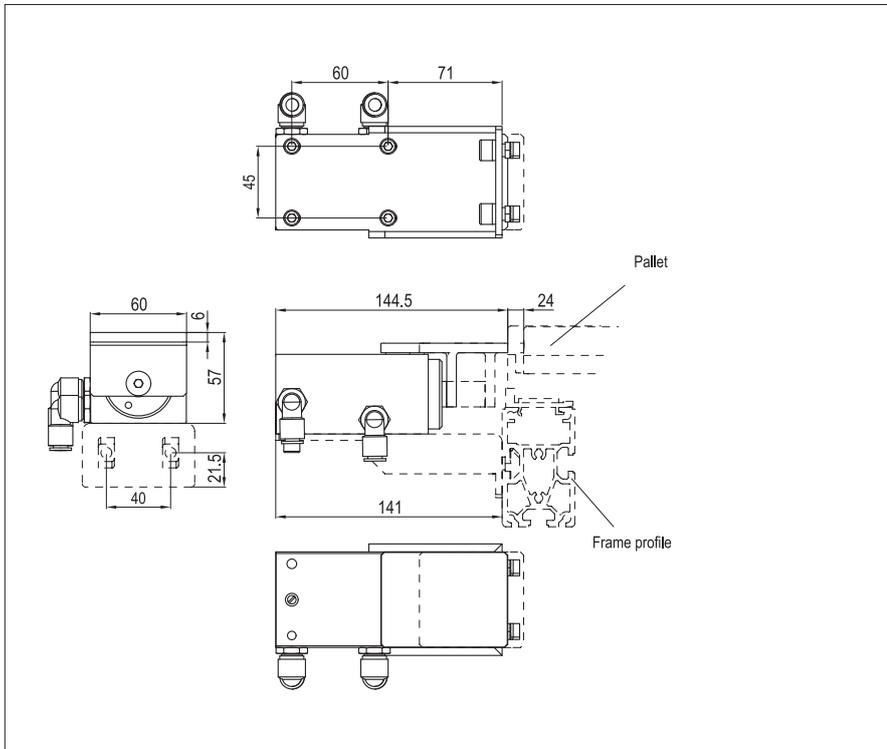
BU.PN.02/A/C-120 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.



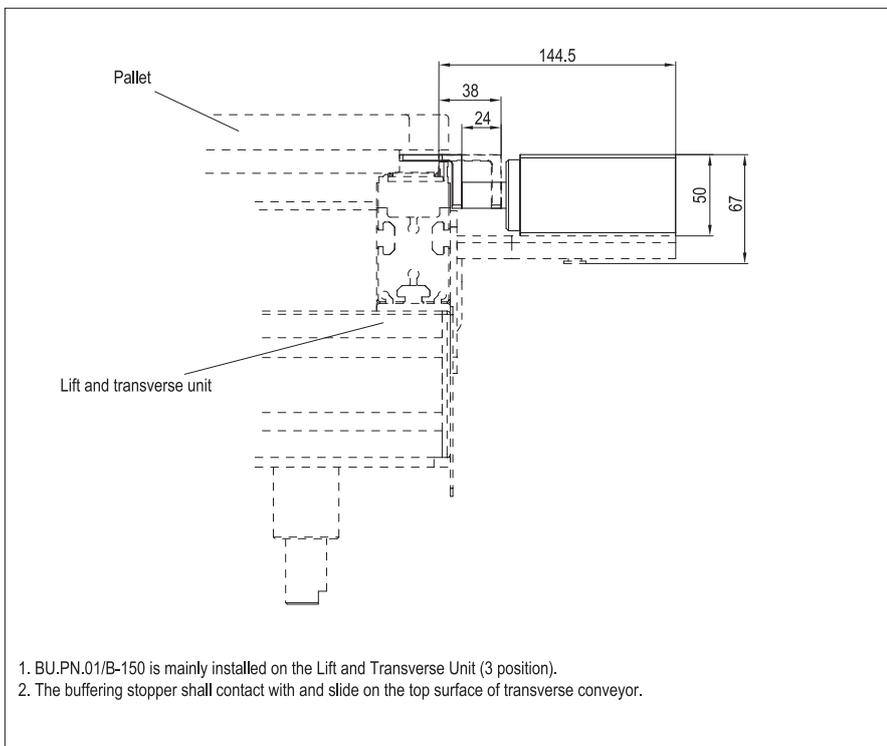
BU.PN.02/B-120 installed on the Lift and Transverse Unit(3 position) at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

Dimension

BU.PN.02/A-120 Pneumatic double action damper

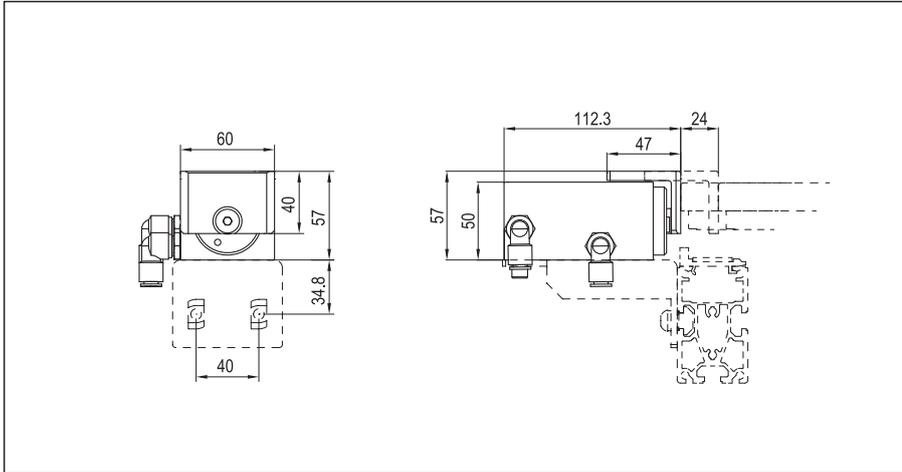


BU.PN.02/B-120 Pneumatic double action damper

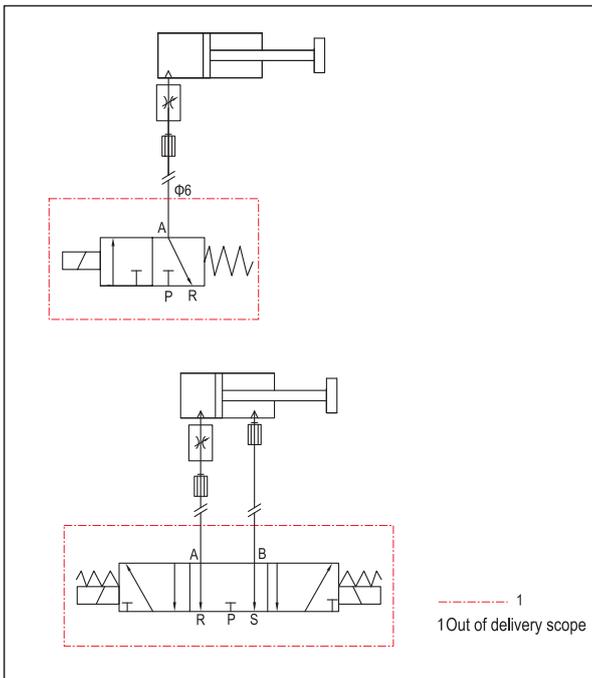


Dimension

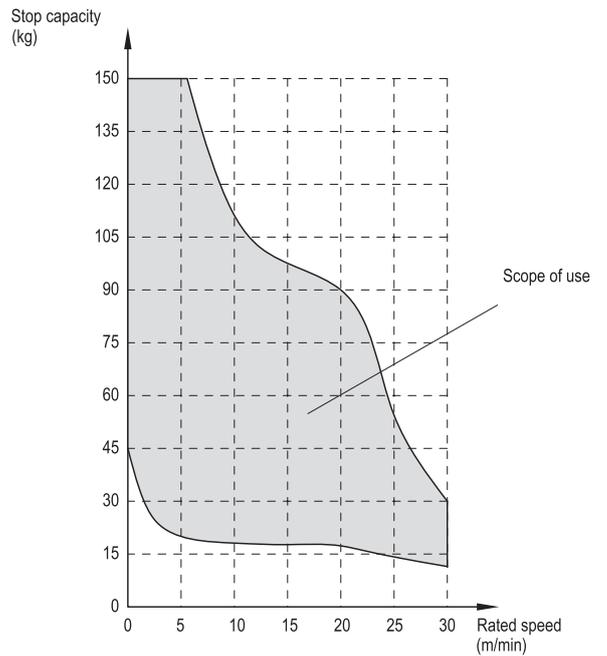
BU.PN.02/C-120 Pneumatic double action damper



Schematic Diagram

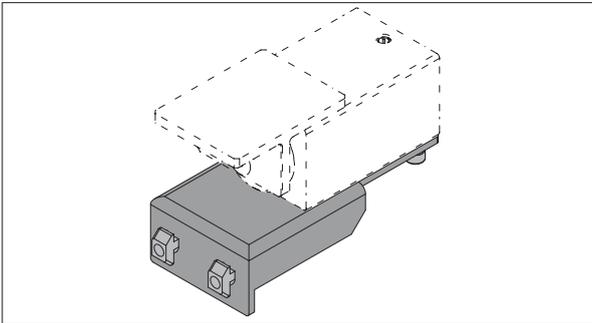


Stop Capacity Diagram



¹⁾The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

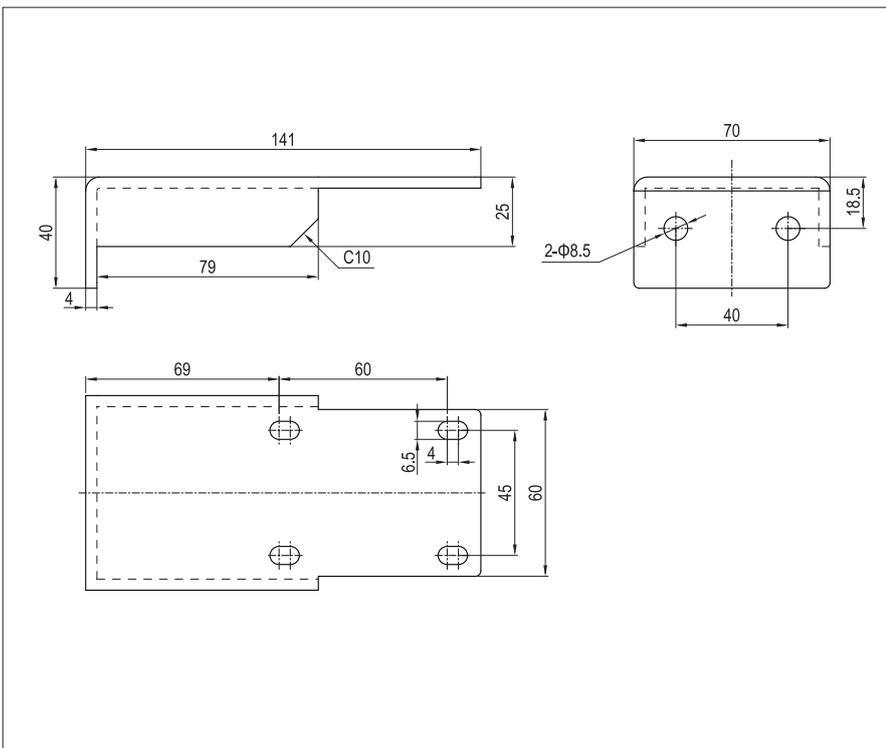


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.02/A-120 Pneumatic double action damper.

⚠ Ordering reference

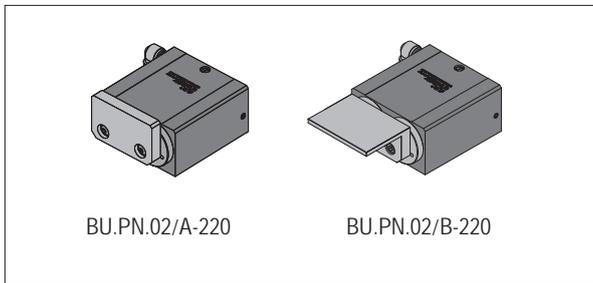
Product description	Delivery unit	Part No.
Support	1	50808103

Dimension



BU.PN.02/...-220 Pneumatic Double Action Damper

	Delivery	05	Workday
	Please contact us if order quantities more than 50pcs		



Features/Benefits

1. No inverse operation allowed and to be easily and directly installed on the conveyor line or lift and transverse unit.
2. Operation noise less than 60dB. Buffer stroke is 29 mm.
3. Used on PTS2, PTS4 conveyor or lift and transverse unit to control WP2/S, WP2/E or WP2/C pallet.
4. BU.PN.02/A-220 pneumatic double action damper cushions the impact of workpiece pallets when they are moved onto a main conveyor section. When the stop is open and the pallet moves to the damper, the damper resets at the same time. When the pallet runs along the main conveyor section, the stopper withdraws and the pallet will pass.
5. BU.PN.02/B-220 pneumatic double action damper is suitable to be used on lift and transverse unit. BU.PN.02/B-220 and BU.PN.02/A-220 damper are used when the transition between main conveyor section and branch section is required.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic double action damper with different stop blocks

Fittings

BU.PN.02/A-220 is installed at the end of the main conveyor section with support. The support need to be ordered separately (including fasteners 2xGB+4xGU) (see PG 177).

BU.PN.02/B-220 pneumatic damper is directly installed on the side plate of lift and transverse unit without support, Including fastening set (4xGU) installed on the lift and transverse unit.

GB	Fastening Set	GU	Fastening Set
	M6x16 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 Spring Washer zinc plated		M6 Spring Washer zinc plated
	M8 Washer zinc plated		M6 Washer zinc plated
	M8 T Nut nickel plated		

2. Supply mode

Equipped

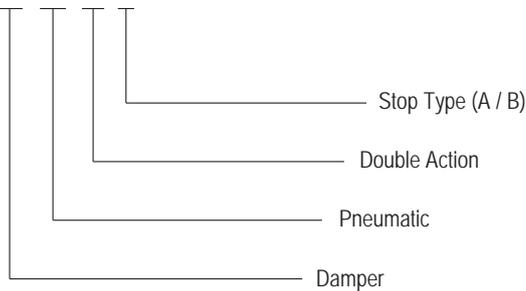


Specifications

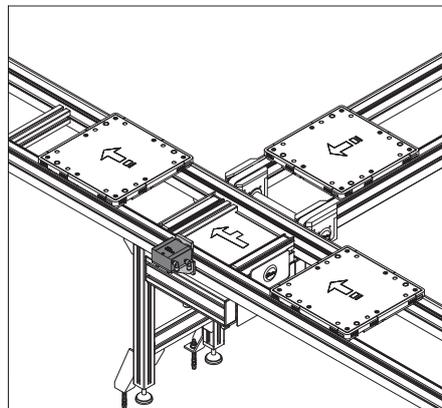
BU.PN.02/A-220Part No.	50807101
BU.PN.02/B-220 Part No.	50807102
Pallet and workpiece max. mass m_c (kg)	220 ¹⁾
Pallet and workpiece min. mass m (kg)	25 ¹⁾
BU.PN.02/A-220 Mass m (g)	1030
BU.PN.02/B-220 Mass m (g)	1060
ESD	Yes
Material	Case: aluminum alloy (black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

Ordering Reference

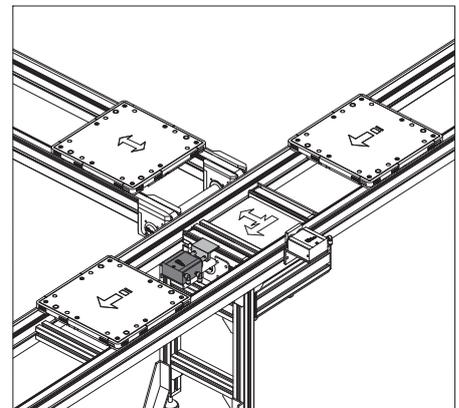
BU . PN . 02 / A - 220



Installation Position



BU.PN.02/A-220 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

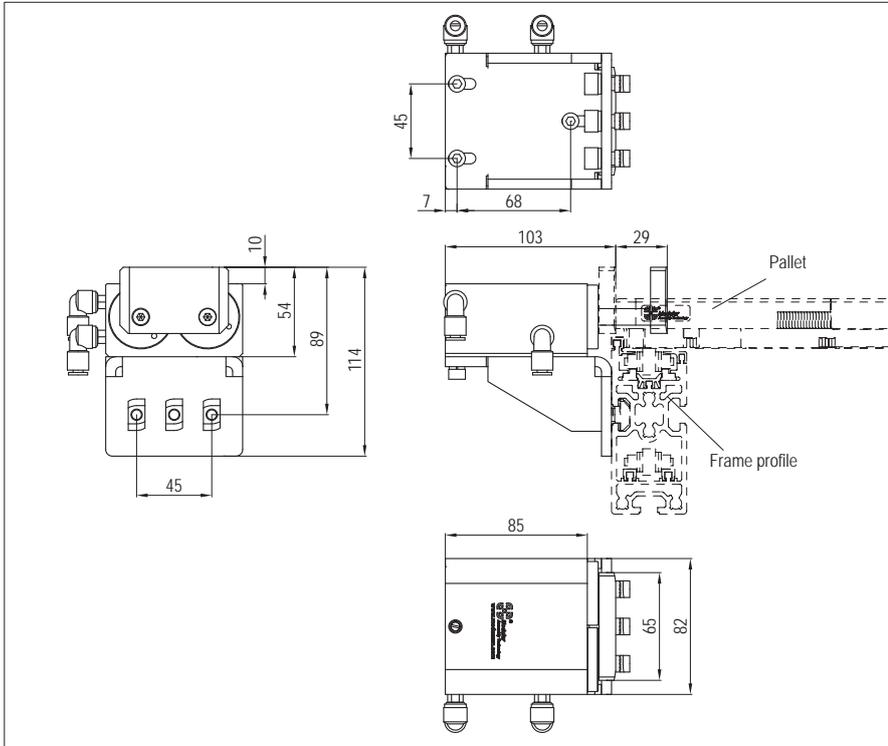


BU.PN.02/B-220 installed on the Lift and Transverse Unit(3 position) at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

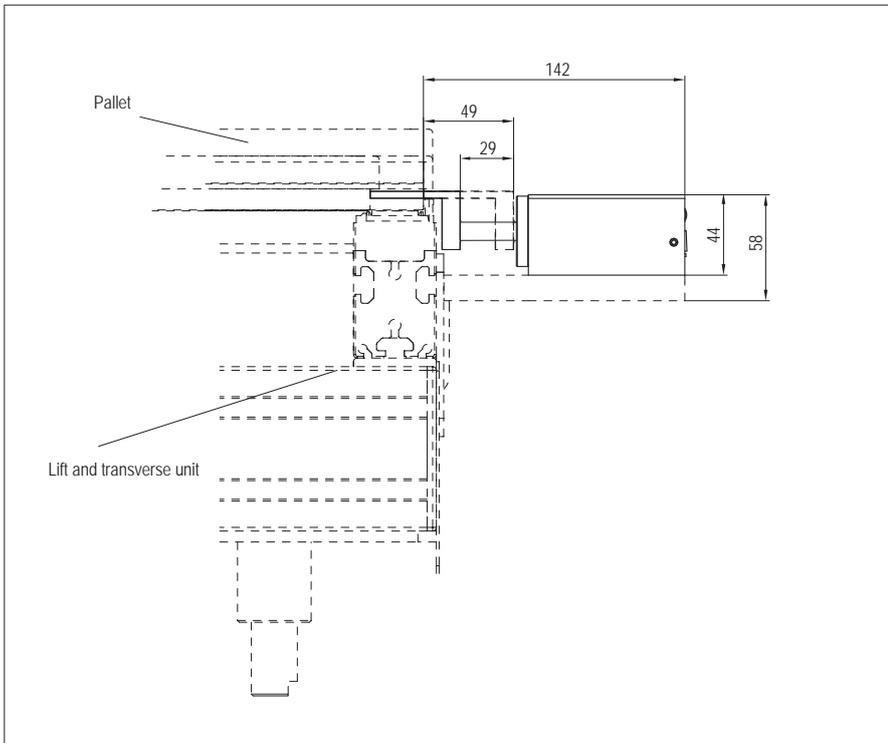


Dimension

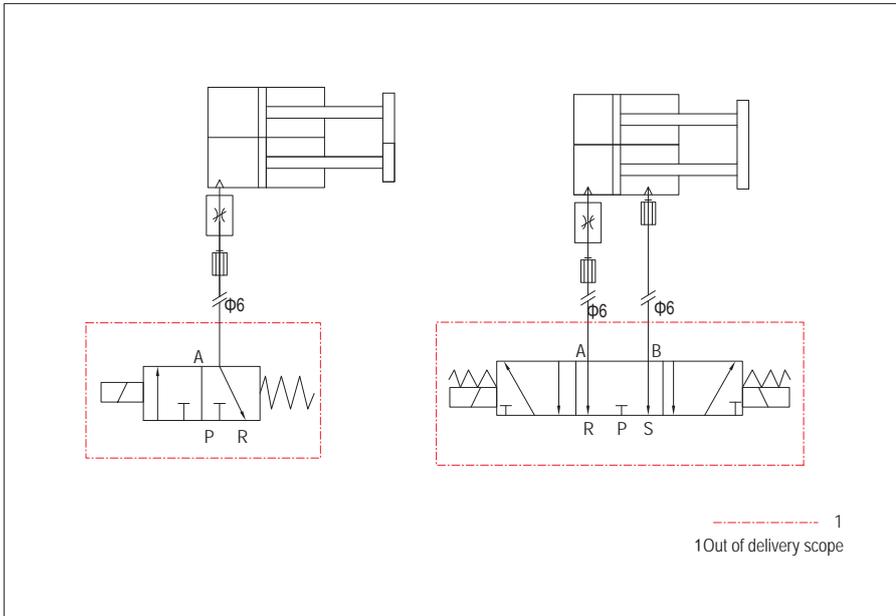
BU.PN.02/A-220 Pneumatic double action damper



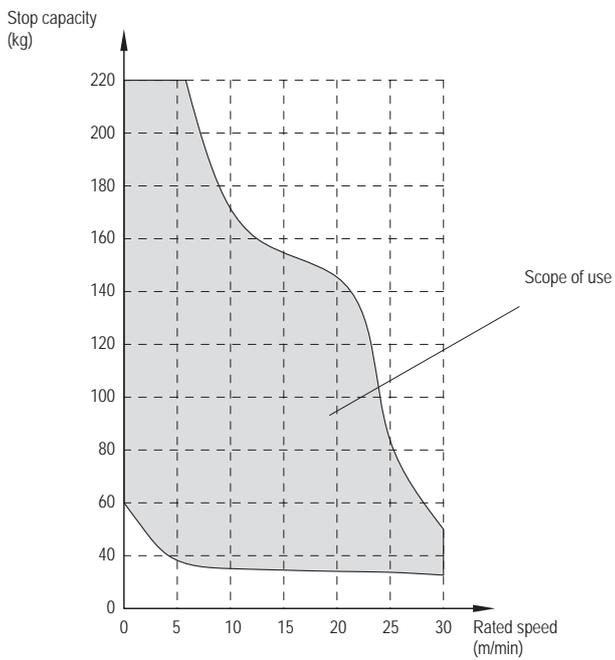
BU.PN.02/B-220 Pneumatic double action damper



Schematic Diagram

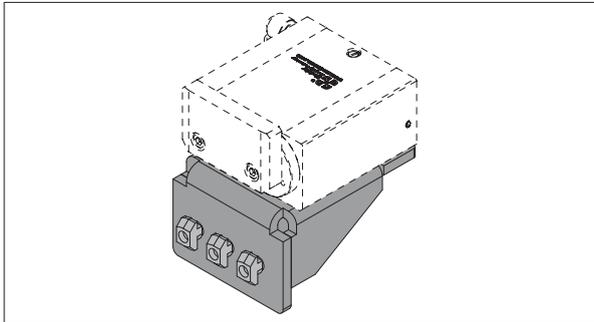


Stop Capacity Diagram



¹⁾ The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.

Support

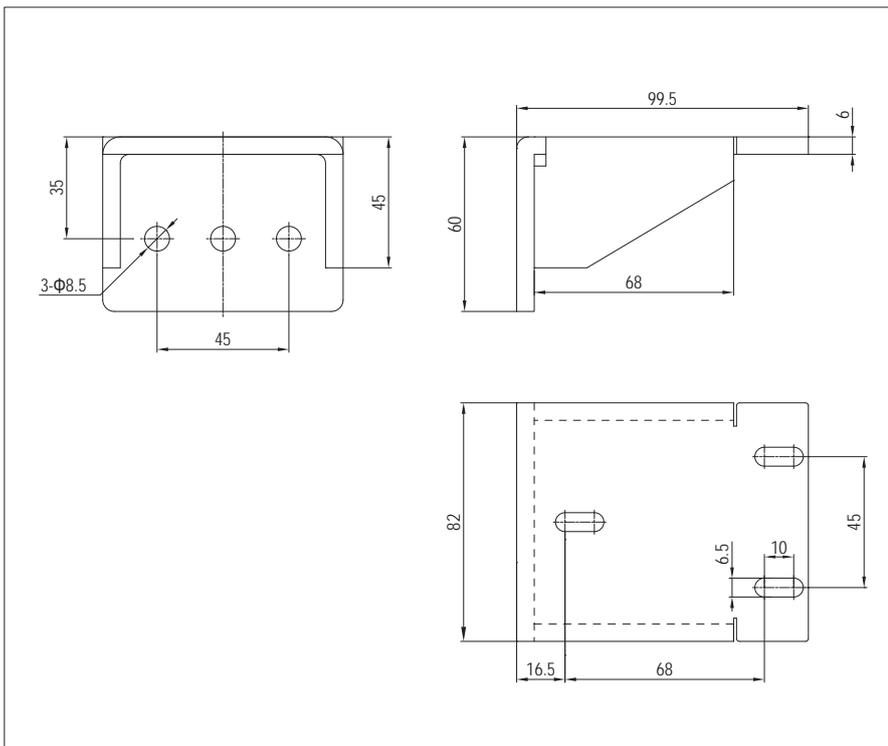


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.02/A-220 pneumatic double action damper

! Ordering reference

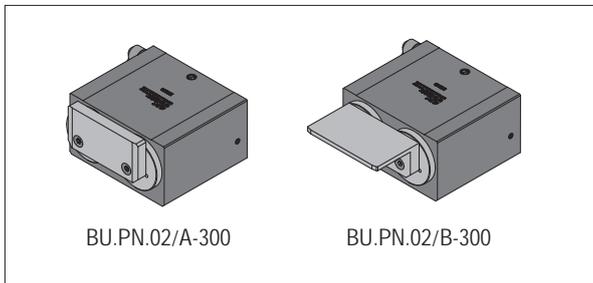
Product description	Delivery unit	Part No.
Support	1	50807120

Dimension



BU.PN.02/...-300 Pneumatic Double Action Damper

 Delivery **05** Workday
 Please contact us if order quantities more than 50pcs



Features/Benefits

1. No inverse operation allowed and to be easily and directly installed on the conveyor line or lift and transverse unit.
2. Operation noise less than 60 dB. Buffer stroke is 24 mm.
3. Used on PTS2, PTS4 conveyor or lift and transverse unit to control WP2/S, WP2/E or WP2/C pallet.
4. BU.PN.02/A-300 pneumatic double action damper cushions the impact of workpiece pallets when they are moved onto a main conveyor section. When the stop is open and the pallet moves to the damper, the damper resets at the same time. When the pallet runs along the main conveyor section, the stopper withdraws and the pallet will pass.
5. BU.PN.02/B-300 pneumatic double action damper is suitable to be used on lift and transverse unit. It is used when the transition between main conveyor section and branch section is required.
6. The adjusting screw at the back side of the damper is used to adjust the buffering force.

Supply Mode

1. Scope of delivery

Pneumatic double action damper with different stop blocks

Fittings

BU.PN.02/A-300 is installed at the end of the main conveyor section with support. The support need to be ordered separately (including fasteners 6xHT+3xEX) (see PG 182).

BU.PN.02/B-300 pneumatic damper is directly installed on the side plate of lift and transverse unit without support, Including fastening set (3xEX) installed on the lift and transverse unit.

HT	Fastening Set	EX	Fastening Set
	M8x16 Bolt zinc plated		M10x20 Bolt zinc plated
	M8 Spring Washer zinc plated		M10 Spring Washer zinc plated
	M8 T Nut nickel plated		M10 Washer zinc plated

2. Supply mode

Equipped

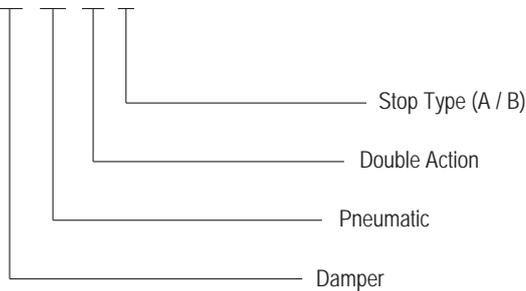


Specifications

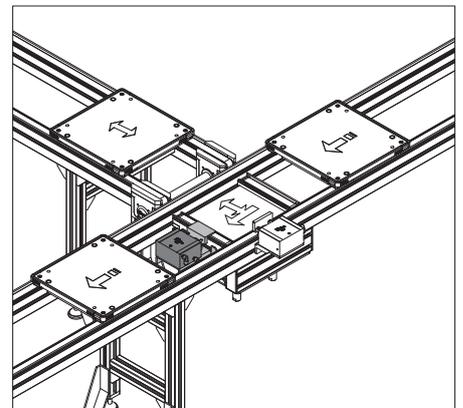
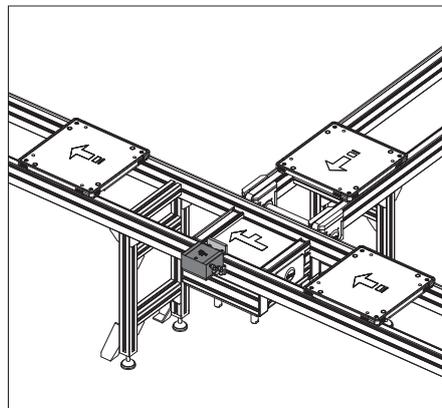
BU.PN.02/A-300 Part No.	50812101
BU.PN.02/B-300 Part No.	50812102
Pallet and workpiece max. mass m_c (kg)	300 ¹⁾
Pallet and workpiece min. mass m (kg)	20 ¹⁾
BU.PN.02/A-300 Mass m (g)	2400
BU.PN.02/B-300 Mass m (g)	2460
ESD	Yes
Material	Case: aluminum alloy(black) Stop block: SUS304
Working temperature (°C)	0...60
Quick connector $\Phi 6$	Hose, outer diameter $\Phi 6$
Pressure range (Mpa)	0.4 ~ 0.8 clean compressed air

Ordering Reference

BU . PN . 02 / A - 300



Installation Position

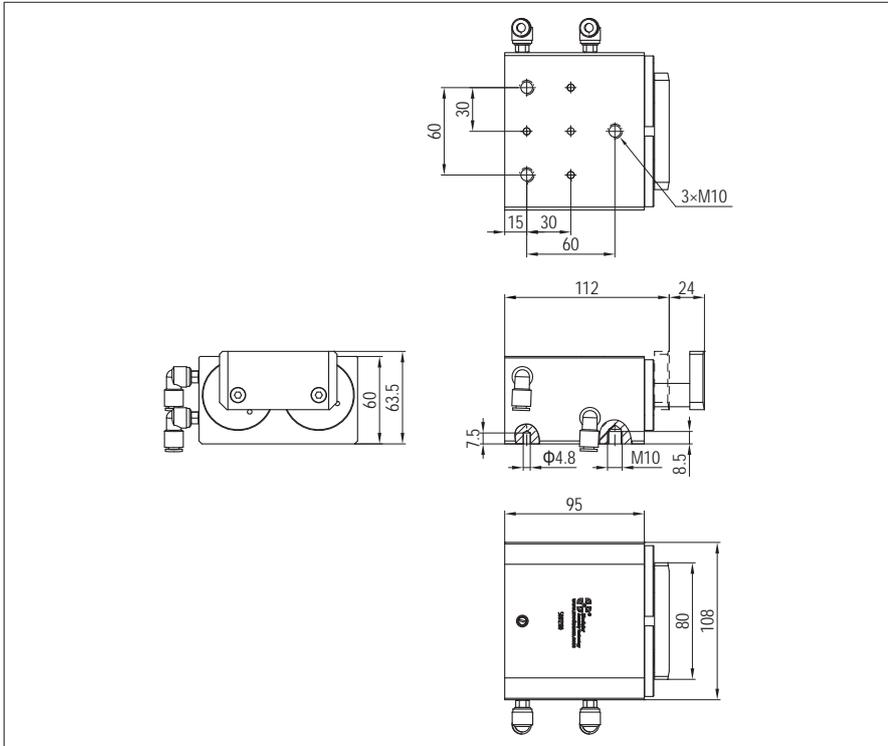


BU.PN.02/A-300 installed at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

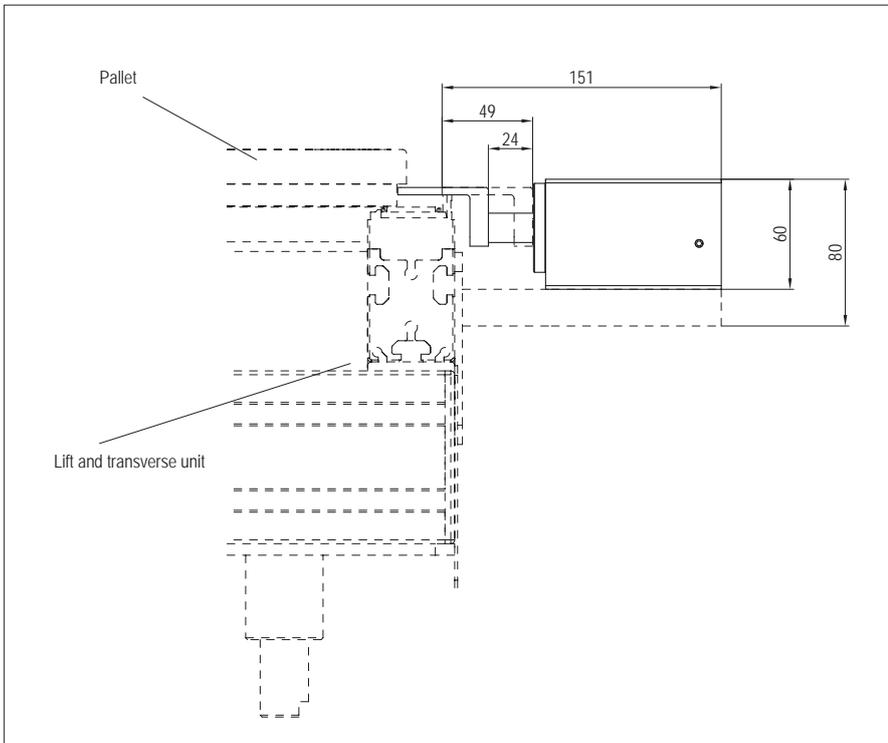
BU.PN.02/B-300 installed on the Lift and Transverse Unit(3 position) at the joint of the conveyor. It is used to buffer and stop the pallet infeeding or outfeeding from the main conveyor.

Dimension

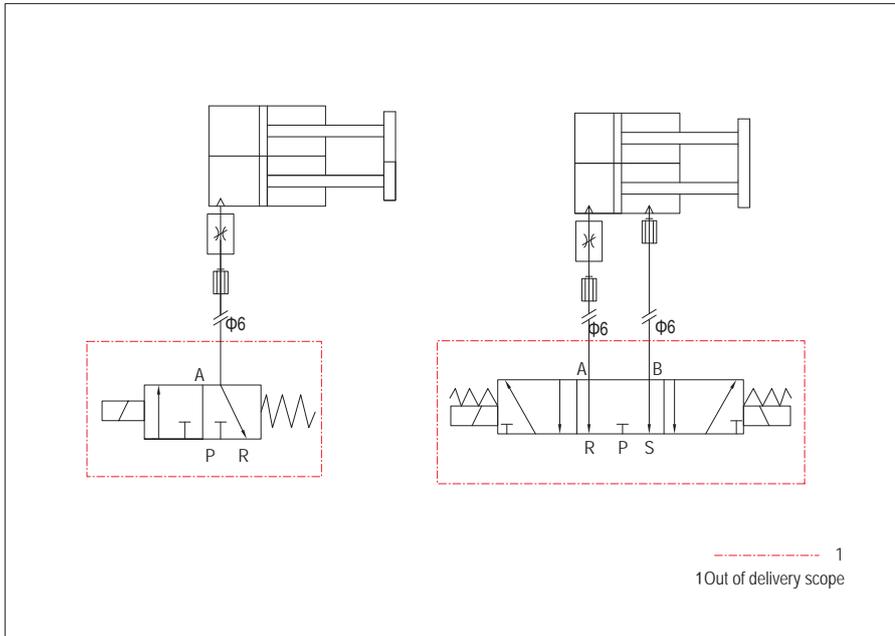
BU.PN.02/A-300 Pneumatic double action damper



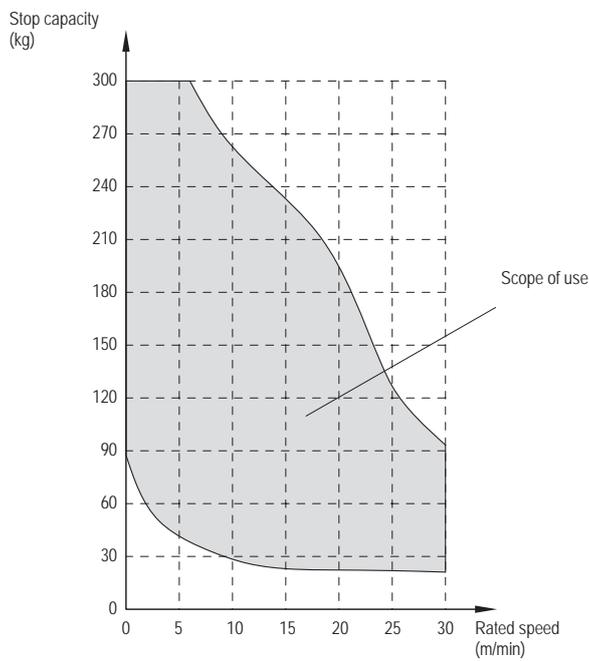
BU.PN.02/B-300 Pneumatic double action damper



Schematic Diagram



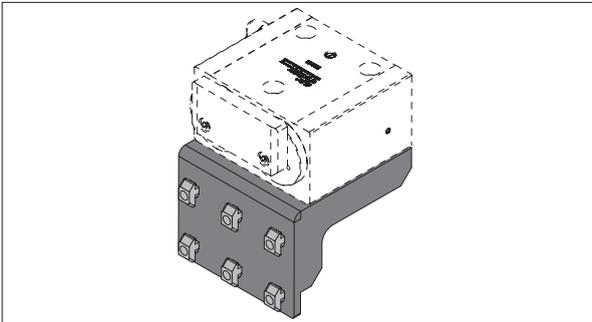
Stop Capacity Diagram



¹⁾ The information applies to friction of $\mu=0.05$ between the pallet bottom and conveyor medium, with modular standard pallet and stop plate.



Support

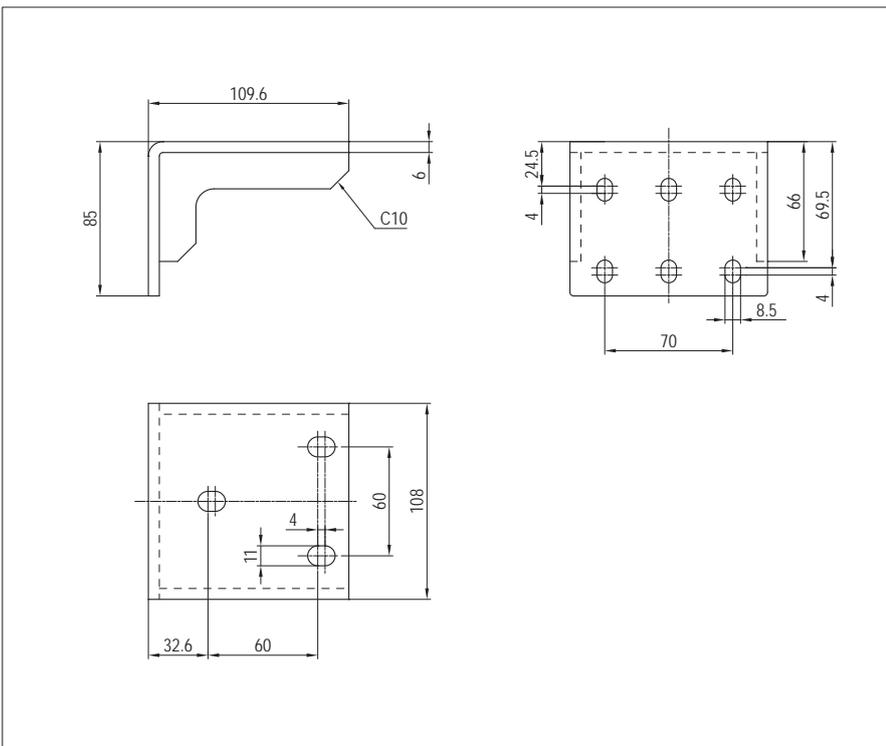


- ▶ Material: steel, black electrophoresis
- ▶ Used with BU.PN.02/A-300 pneumatic double action damper.

! Ordering reference

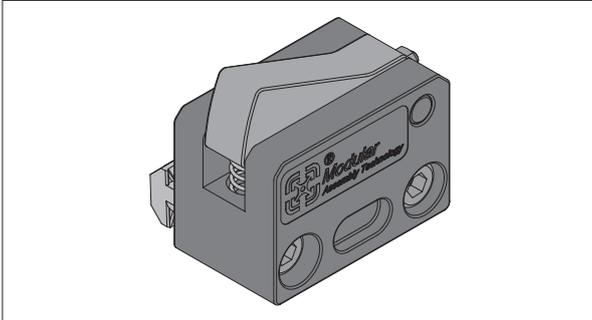
Product description	Delivery unit	Part No.
Support	1	50812103

Dimension



RS.01/A-300 Return Stop

 Delivery **05** Workday
 Please contact us if order quantities more than 50 pcs



Features/Benefits

1. Return stop is used to prevent the pallet from returning back due to bounce from pneumatic stop and to avoid the pallet run reversely.

Supply Mode

1. Scope of delivery

Including all fastening sets required to install on the conveyor body (2xEZ+1xGM)

EZ	Fastening Set	GM	Fastening Set
	MBxCS Bolt zinc plated		Positioning part
	MB Spring Washer zinc plated		
	MB T Nut nickel plated		

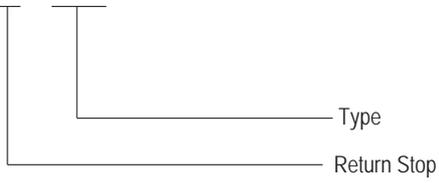
Specifications

Part No.	50803110
Pallet and workpiece mass M _c (kg)	3...300
Mass m (g)	640
ESD	Yes
Material	Case: nickel plated carbon steel Stop block: nickel plated carbon steel
Working temperature (°C)	0...60

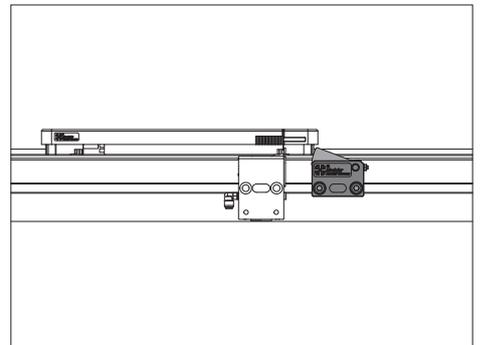
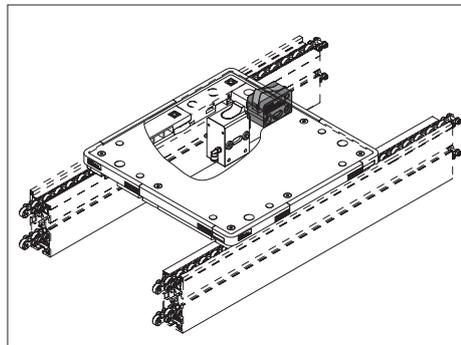


Ordering Reference

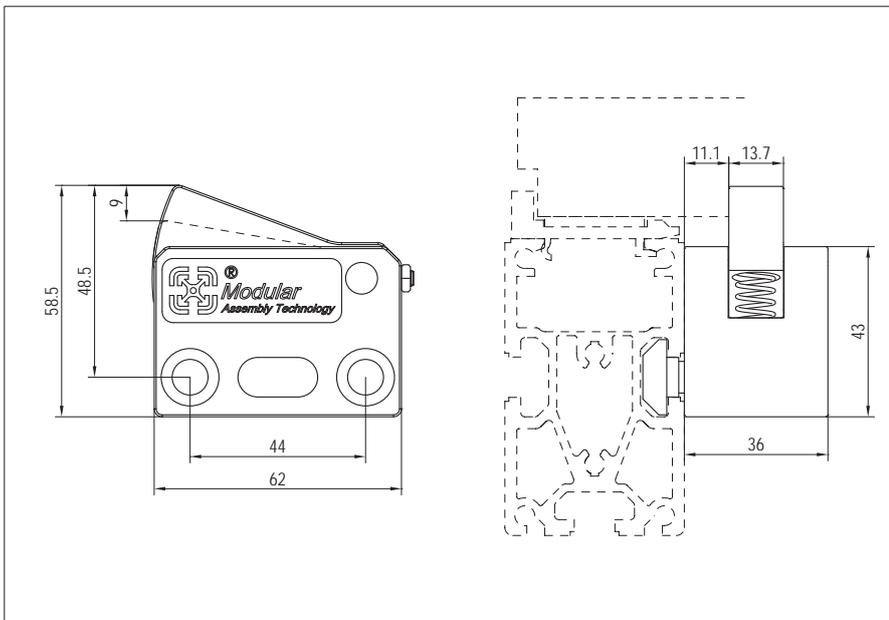
RS .01/ A - 300



Installation Position

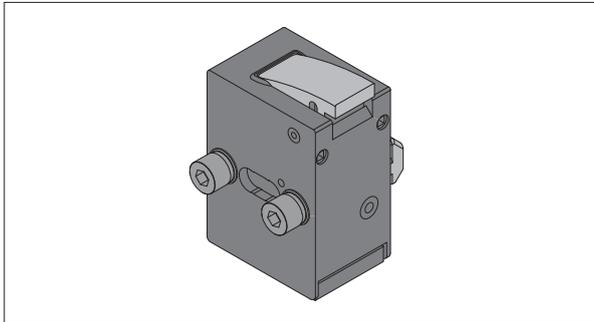


Dimension



RS.02/A-200 Return Stop

	Delivery	05	Workday
	Please contact us if order quantities more than 50 pcs		



Features/Benefits

1. Return stop is used to prevent the pallet from returning back due to bounce from pneumatic stop and to avoid the pallet run reversely.

Supply Mode

1. Scope of delivery

Including all fastening sets required to install on the conveyor body (2xLF+1xGM)

LF	Fastening Set	GM	Fastening Set
	M6x50 Bolt zinc plated		Positioning part
	D8 Locking Washer 304		
	M8 T. Nut nickel plated		

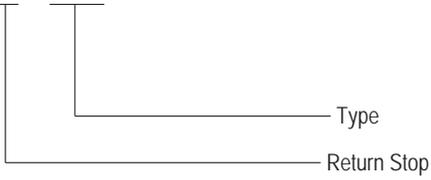
Specifications

Part No.	50814100
Pallet and workpiece mass M_c (kg)	3...200
Mass m (g)	28
ESD	No
Material	Case: PA6 (black) Stop block: PA6 (black)
Working temperature (°C)	0...60

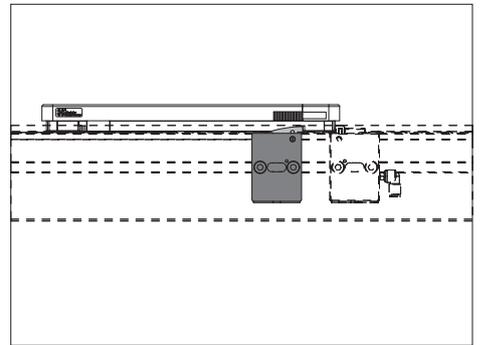
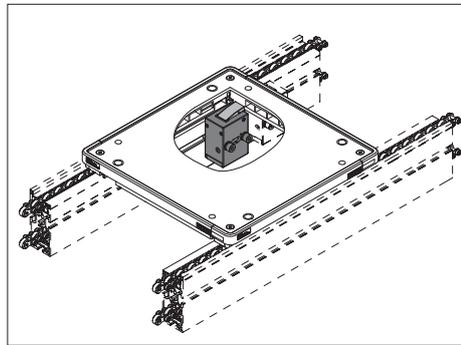


Ordering Reference

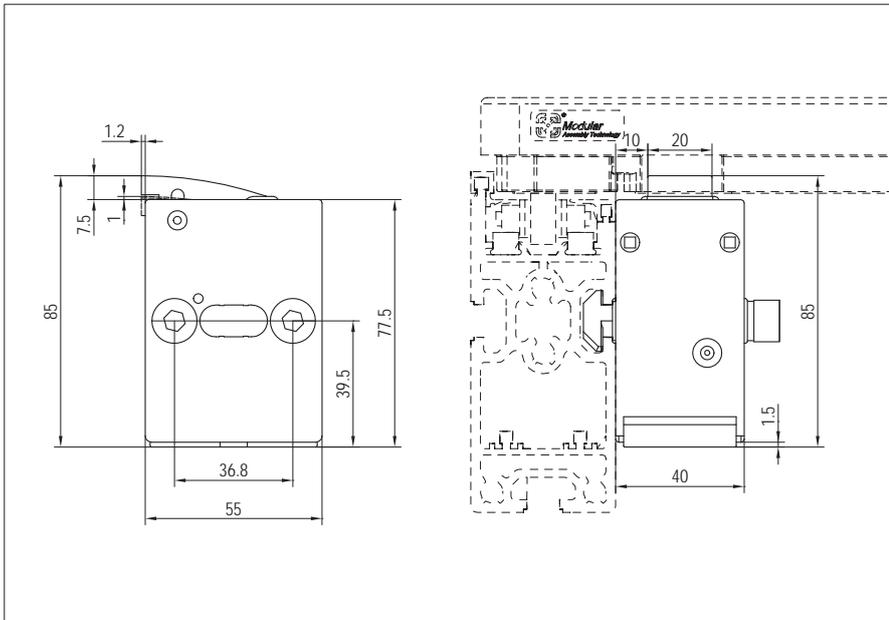
RS .02/ A - 200



Installation Position

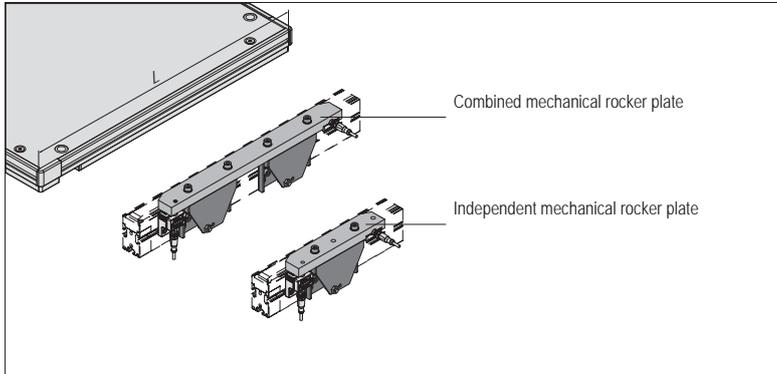


Dimension



Mechanical Rocker Plate

 Delivery **05** Workday
 Please contact us if order quantities more than 50 pcs



Combined mechanical rocker plate for $L \geq 480$ mm.

Independent mechanical rocker plate for $L < 480$ mm.

Features/Benefits

1. It is used to detect the pallet in the area and stop the pallet conveying in transversal direction.
2. When it is used with damping stop, it will damp and stop the pallet conveying in transversal direction.
3. To be used on PTS1, PTS1/H, PTS2 pallet conveyor to stop WP2/S, WP2/E, WP2/C pallet.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor

HT	Fastening Set
	M8x16 Bolt zinc plated
	M8 Spring Washer zinc plated
	M8 T Nut nickel plated

2. Supply mode

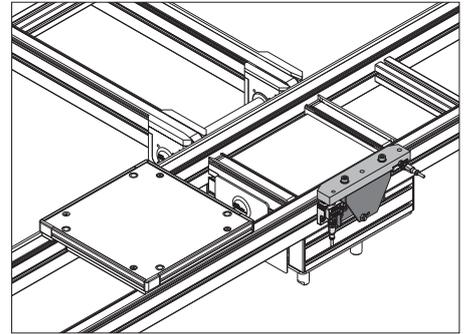
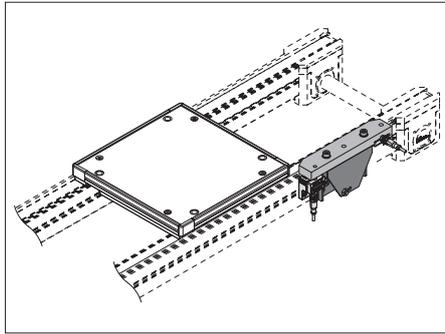
Equipped

Specifications

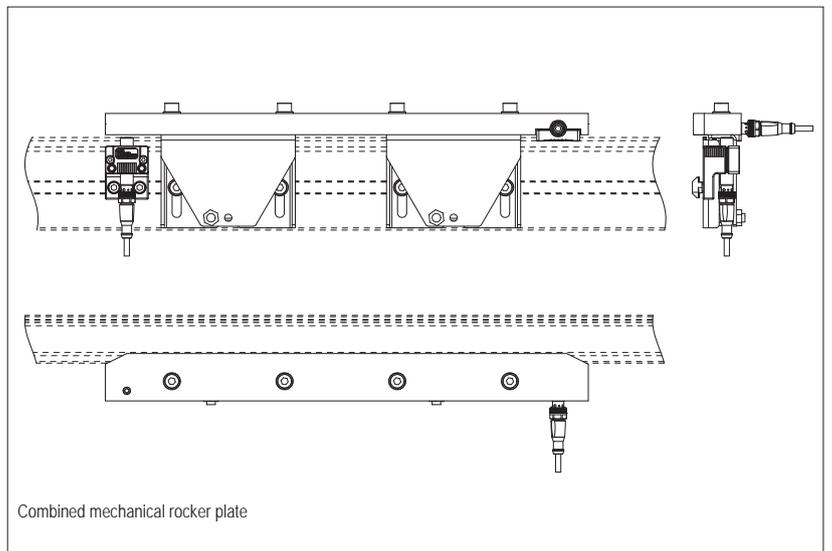
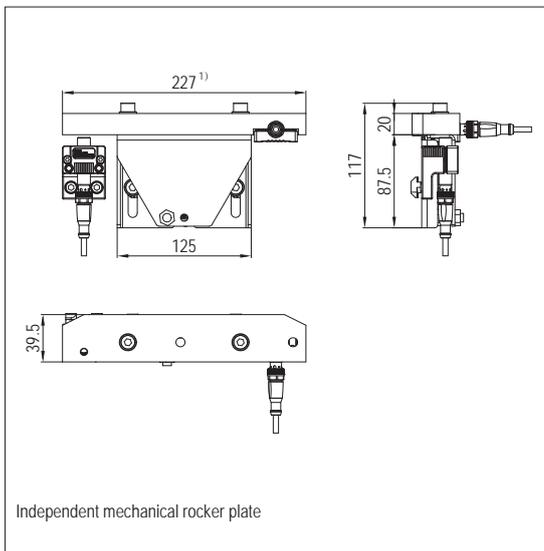
Part No. for independent mechanical rocker plate	50810100
Part No. for combined mechanical rocker plate	50810200
Pallet max.mass for independent mechanical rocker plate M_G (kg)	30
Pallet min.mass for independent mechanical rocker plate m (kg)	2



Installation Position

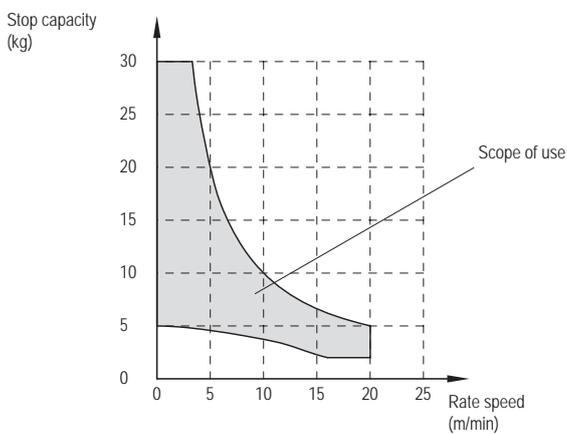


Dimension



¹⁾ Please contact us for non-standard size.

Stop Capacity Diagram



⚠ Additional stop need to be used when the load is more than the stop capacity of the rocker plate. Please contact us for more details.

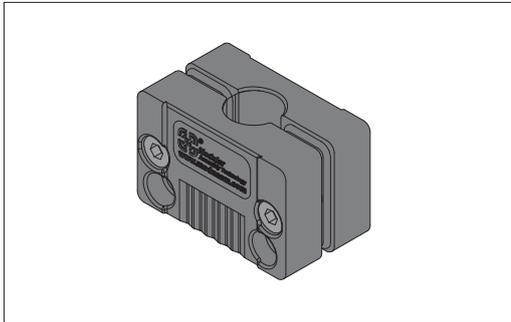
Sensor Bracket Unit for Stop



Delivery **05** Workday



Please contact us if order quantities more than 50 pcs



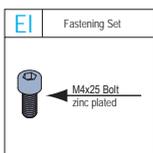
Features/Benefits

1. It is used to fix the sensor (M12x1).
2. Used with Pneumatic stop 50801100 / Pneumatic stop 50811100 .
3. Used with sensor for inquiry of workpiece pallet location from below.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor (2×EI).



2. Supply mode

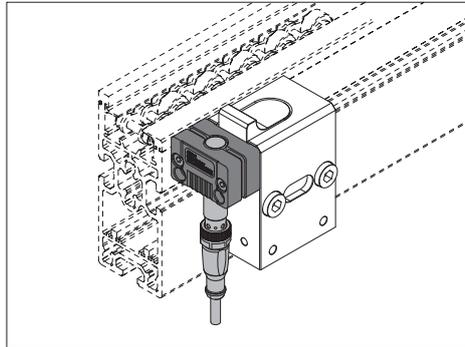
Not equipped

Specifications

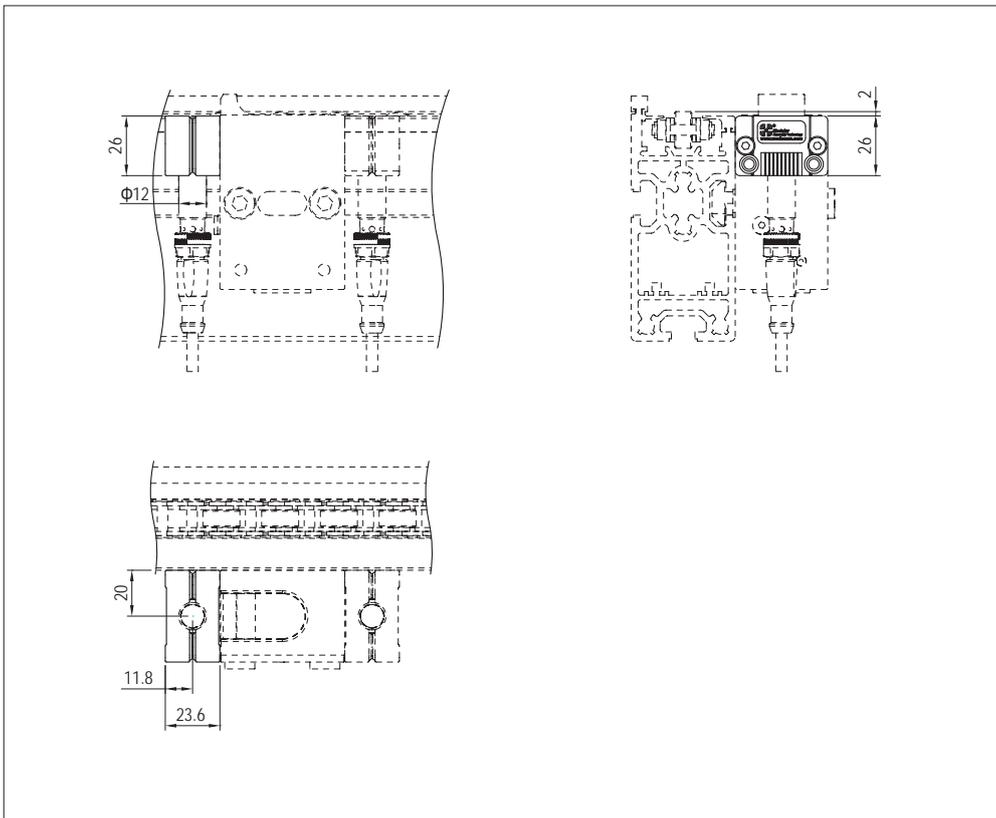
Part No. for sensor bracket unit for stop	50821101
Material	PA6 black
Delivery unit	1



Installation Position

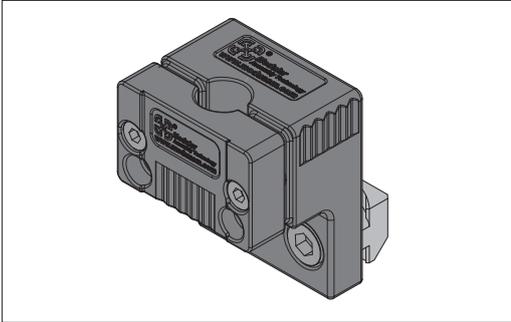


Dimension



Sensor Bracket Unit on Inner Side of Conveyor Frame

 Delivery **05** Workday
 Please contact us if order quantities more than 50 pcs



Features/Benefits

1. It is used to fix the sensor (M12x1).
2. To be installed in the inner slot of conveyor frame.
3. Used with sensor for inquiry of workpiece pallet location from below.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor (2xEJ).

EJ	Fastening Set
	M6x14 Bolt zinc plated
	M6 T Nut nickel plated
	ST4x20 Bolt Stainless Steel

2. Supply mode

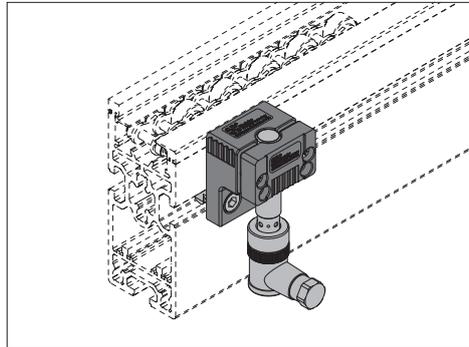
Not equipped

Specifications

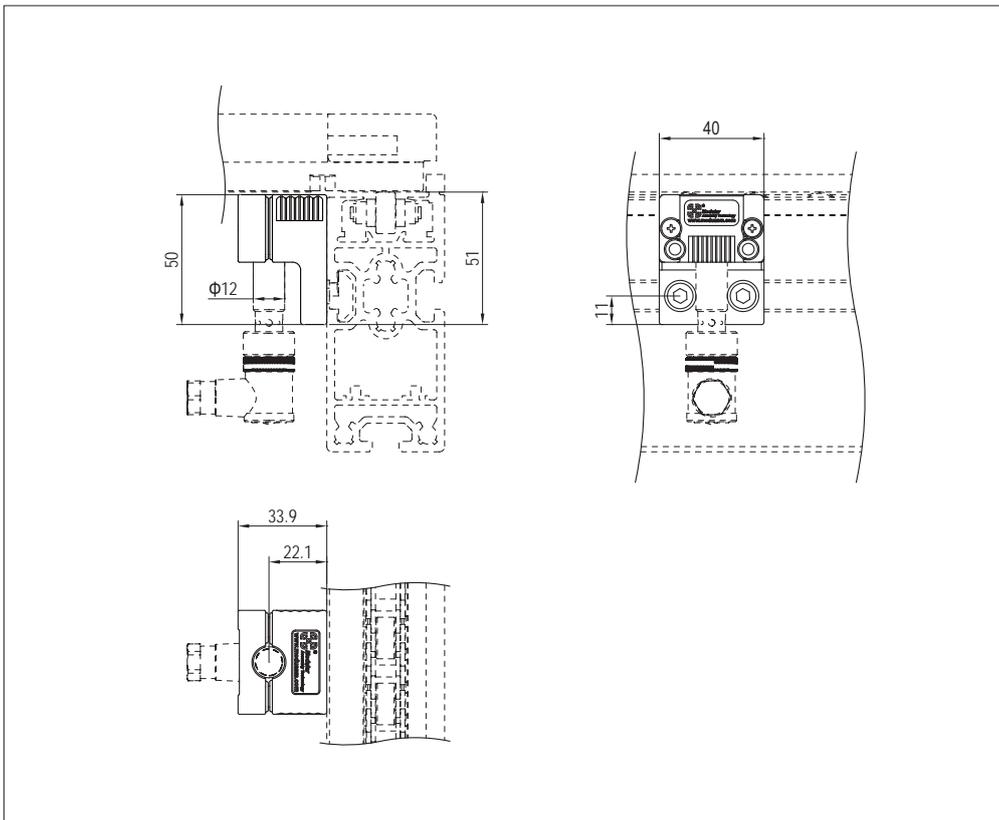
Part No. for sensor bracket unit for stop on inner side of conveyor frame	50821102
Material	PA6 black
Delivery unit	1



Installation position

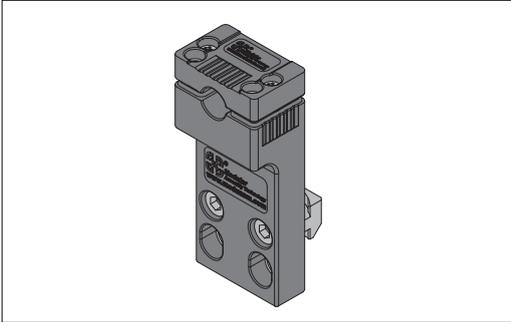


Dimension



Sensor Bracket Unit on Outer Side of Conveyor Frame

 Delivery **05** Workday
 Please contact us if order quantities more than 50 pcs



Features/Benefits

1. It is used to fix the sensor (M12x1).
2. To be installed in the outer slot of conveyor frame.
3. Used with sensor for inquiry of workpiece pallet location from below.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor (2xEJ).

EJ	Fastening Set
	M6x14 Bolt zinc plated
	M6 T Nut nickel plated
	ST4x20 Bolt Stainless Steel

2. Supply mode

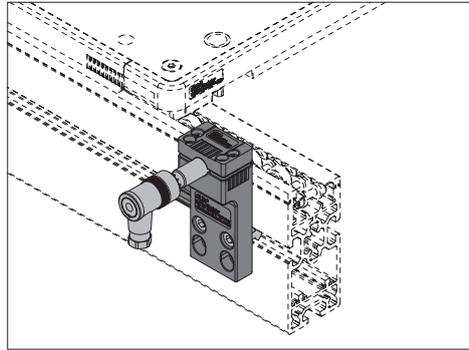
Not equipped

Specifications

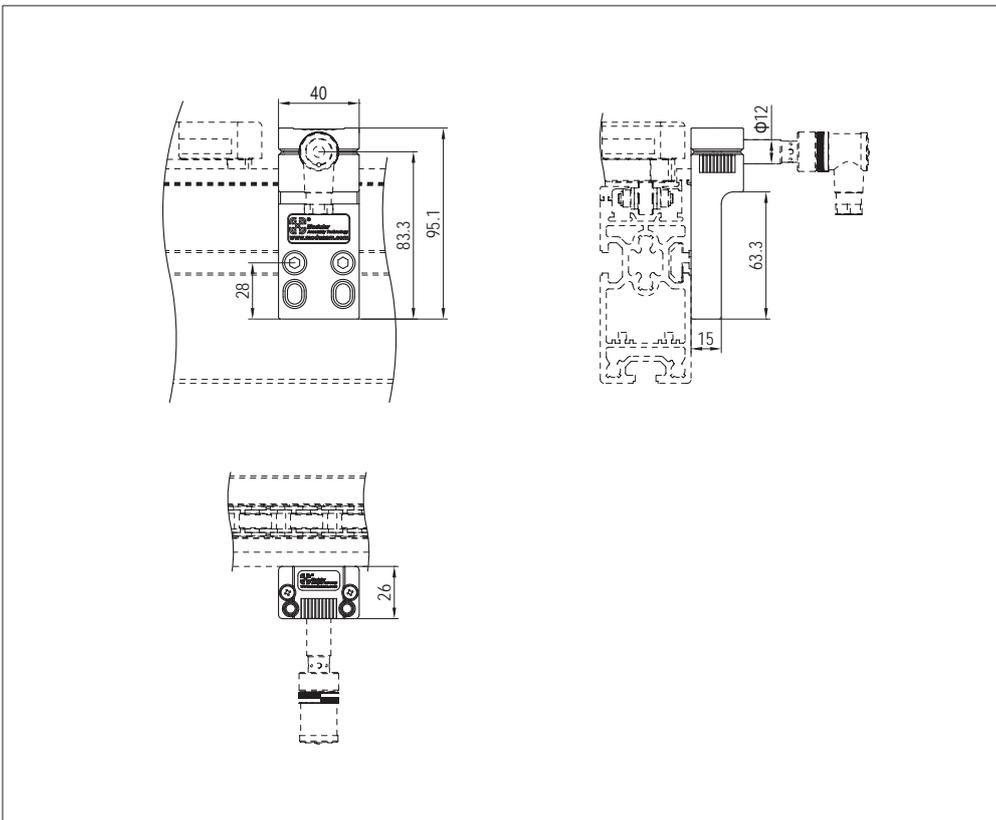
Part No. for sensor bracket unit on outer side of conveyor frame	50821103
Material	PA6 black
Delivery unit	1



Installation position



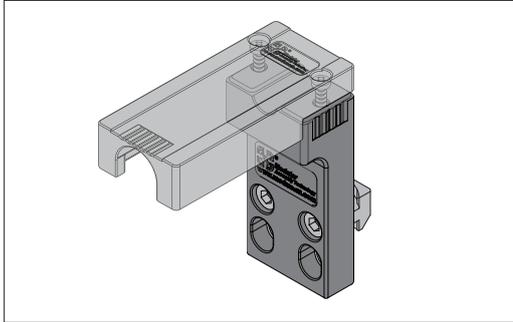
Dimension



Sensor Bracket Unit on Outer Side of Conveyor Frame (Sensor & Cable Protection)

 Delivery **05** Workday

 Please contact us if order quantities more than 50 pcs



Features/Benefits

1. It is used to fix the sensor (M12x1).
2. To be installed in the inner slot of conveyor frame.
3. Used with sensor for inquiry of workpiece pallet location from below.
4. With block to protect the sensor and cable.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor (2xEJ).

EJ	Fastening Set
	M6x14 Bolt zinc plated
	M6 T Nut nickel plated
	ST4x20 Bolt Stainless Steel

2. Supply mode

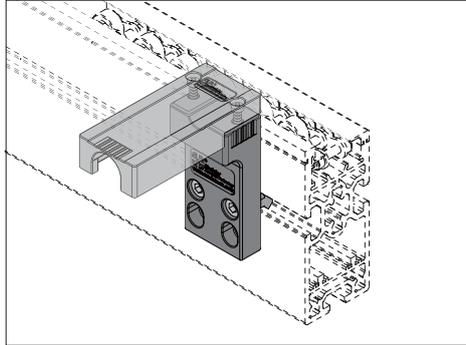
Not equipped

Specifications

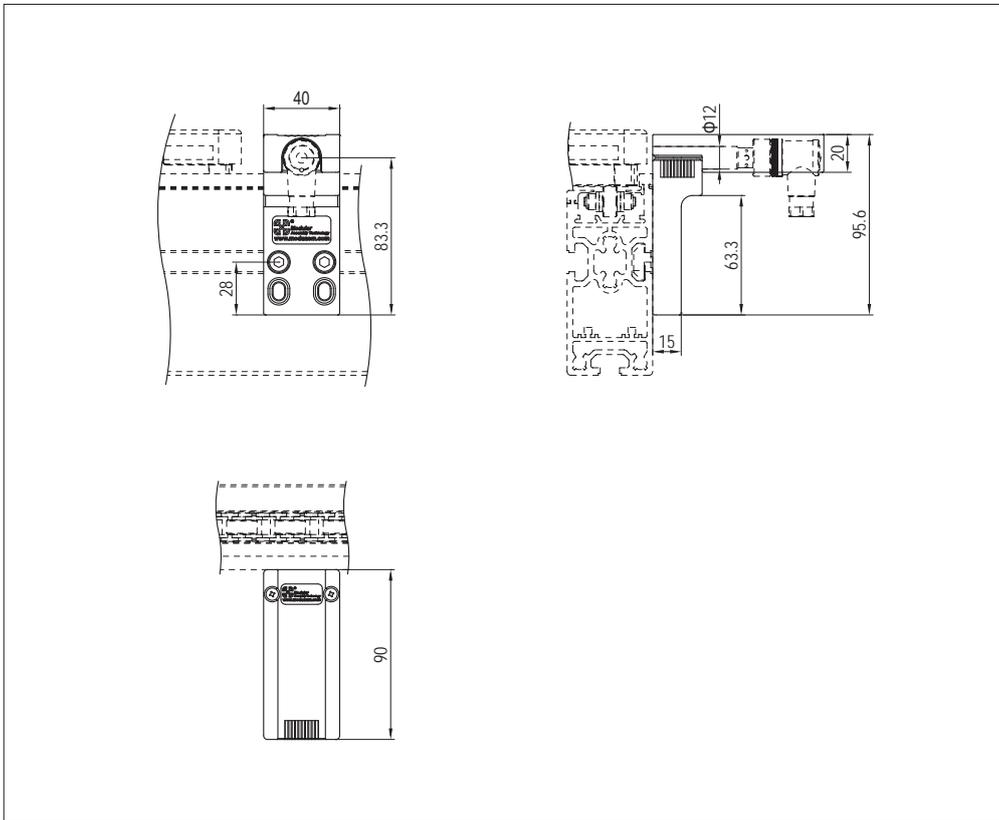
Part No. for sensor bracket unit on outer side of conveyor frame (sensor & cable protection)	50821104
Material	Extended sensor fixed block: ABS transparent Outer sensor fixed block: PA6 black
Delivery unit	1



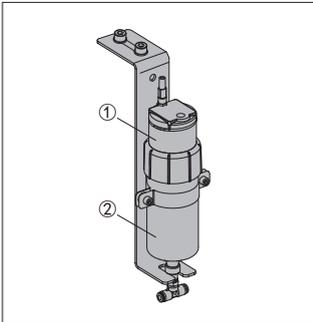
Installation position



Dimension



AL Automatic Lubrication System



AL.04

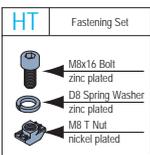
Features/Benefits

1. Modular design, free maintenance. Continuous lubrication to the chain when operation and increase of service life.
2. AL.04 The automatic lubrication oil dose is controlled via mechanical button. It is composed of automatic lubrication drive device, battery pack, oil can (equipped with installation bracket). Lubrication oil can could be reused. The automatic lubrication unit needs to be manually shut off when the conveying equipment is shut down for a long time. The current unit is the basic model, and the lubrication mode is off-network presetting. Customized remote communication type can also achieve multi-device remote linkage control through the software. More details refer to Modular consultation team.
3. Lubrication connection unit, including lubrication connector, hose or related accessories, is to be ordered separately.

Supply Mode

1. Scope of delivery

Including all fastening sets to mount on pallet conveyor(2xHT).



2. Supply mode

Equipped

Specifications

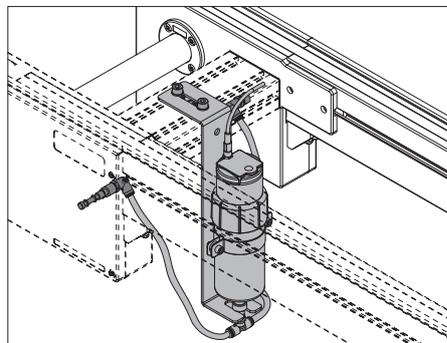
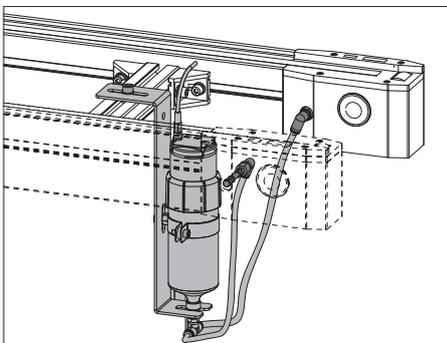
AL Automatic Lubrication System

Part No. for Automatic Lubrication Drive Unit(with installation bracket)	51001041
Part No. for Oil Can (Volume 0.3 L)	0.3 L
Working temperature (°C)	0...40
Lubrication medium	220 viscosity of chain lubricating oil

Scope of delivery

Part No. for Lubrication Connection Unit on PTS2 Return End	51001030
Part No. for Lubrication Connection Unit on PTS2 Head End	51001033
Part No. for Lubrication Connection Unit on PTS4 Head End	51001040

Installation Position





Belt Conveyor

Toothed Belt Conveyor

2

Basic Transfer System

The basic transfer system consists of belt conveyors, toothed belt conveyors etc. to meet different production conditions.

Belt Conveyor

Industries Served

Factory Automation, Automobile Parts, Electronics, Food, Logistics etc.



B1100 Series



B1200 Series



B2200 Series



B2100 Series



B3200 Series



B3100 Series



Toothed Belt Conveyor



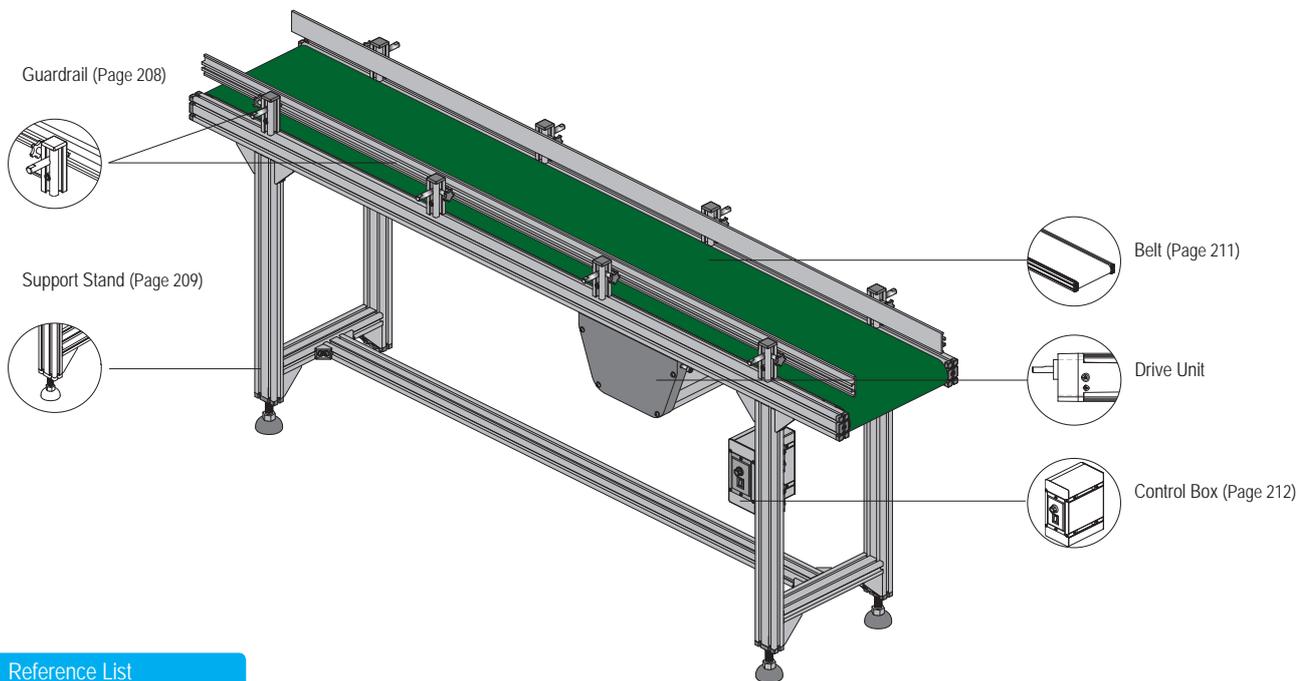
Belt Conveyor

Introduction

Belt conveyor is used to transfer a wide range of light or heavy products either continuously or intermittently. The structure is simple which leads to be a cost effective way to convey goods smoothly and with relatively less noise. It is suitable to use where a quiet work environment is necessary.

Lagout

Take B2200 Belt Conveyor as example:



Reference List

Conveyor Type	Conveyor Length (mm)	Conveyor Width (mm)	Max. Load Capacity (kg)	Max. Belt Speed (m/min)
B1100	$600 \leq L \leq 3000$ mm	$80 \leq W \leq 300$ mm	30	40
B1200	$600 \leq L \leq 6000$ mm	$80 \leq W \leq 300$ mm	40	40
B2100	$600 \leq L \leq 6000$ mm	$80 \leq W \leq 400$ mm	40	40
B2200	$600 \leq L \leq 10000$ mm	$80 \leq W \leq 400$ mm	50	40
B3100	$600 \leq L \leq 6000$ mm	$200 \leq W \leq 600$ mm	50	40
B3200	$1000 \leq L \leq 20000$ mm	$300 \leq W \leq 1000$ mm	120	40

B1100

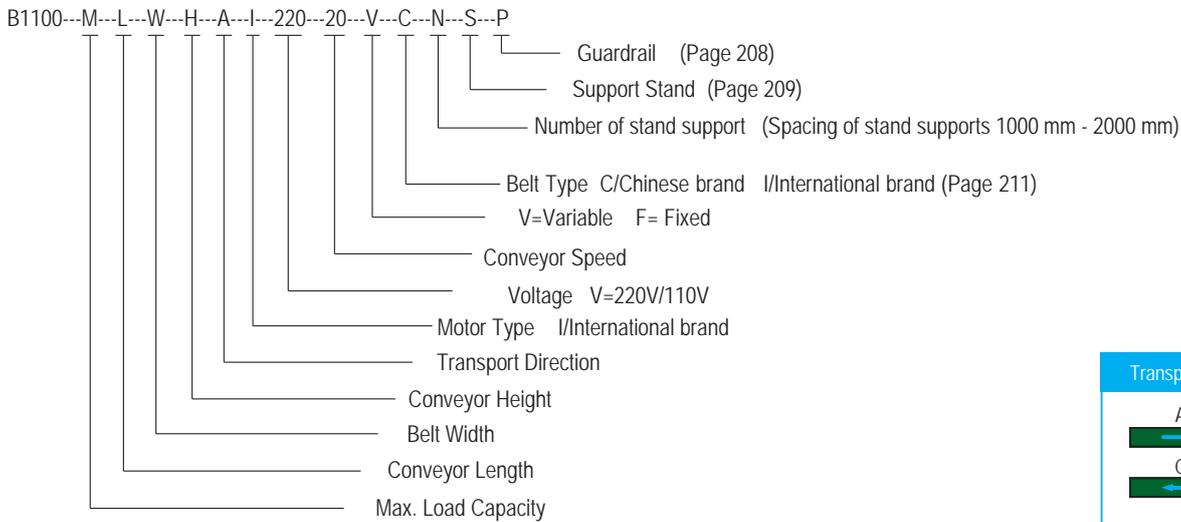
Specifications

Conveyor Length	$600 \leq L \leq 3000$ mm
Conveyor Width	$80 \leq W \leq 300$ mm
Max. Load Capacity	30 kg
Max. Belt Speed	V max. = 40 m/min
Pulley Diameter	$\Phi 47$ mm

Features/Benefits

1. Efficient installation and adjustment;
2. End drive , save space;
3. T slot aluminum profile frame for easy accessory attachment.

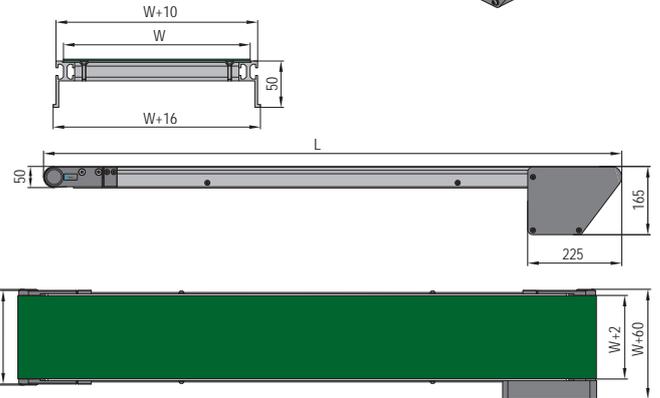
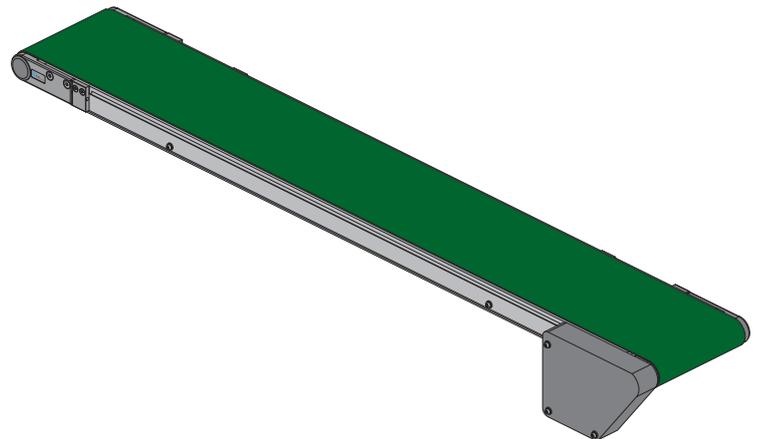
Ordering Reference



Example:

B1100---M10---L2000---W200---H800---A---I---220---20---V---C---N2---S1---P1

B1100 series end drive conveyor---max. load capacity 10 kg---2000 mm long---200 mm wide---800 mm high---transport direction A---imported motor---220V---conveyor speed 20 m/min---variable speed---chinese brand belt--- 2 sets of stand support---S1 support stand---P1 guardrail.



Transport Direction



Direction A & B preferred, if C & D needed, please contact us at: info@moduasm.mx.

⚠ Please cancel the corresponding number if it doesn't needed.

⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min, for more details, please contact us at: info@moduasm.mx.

⚠ Please refer to page 212 when using adjustable speed motor.

⚠ Non accumulation



B1200

Specifications

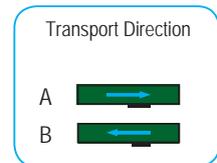
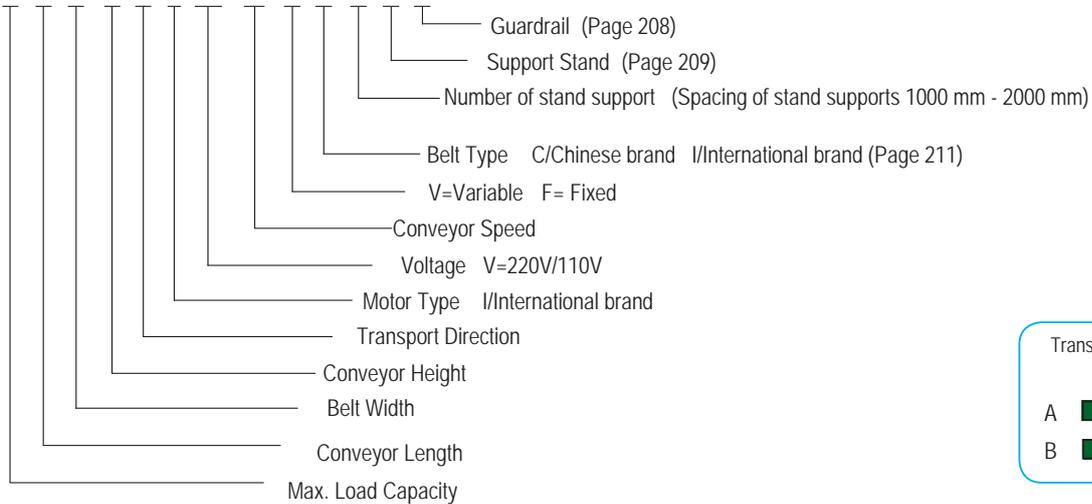
Conveyor Length	$600 \leq L \leq 6000$ mm
Conveyor Width	$80 \leq W \leq 300$ mm
Max. Load Capacity	40 kg
Max. Belt Speed	V max. = 40 m/min
Pulley Diameter	$\Phi 80$ mm

Features/Benefits

1. Quick adjust belt tensioning;
2. Center drive models make conveyor more safe and reliable; operation in both directions
3. T slot aluminum profile frame for easy accessory attachment.

Ordering Reference

B1200---M---L---W---H---A---I---220---20---V---C---N---S---P



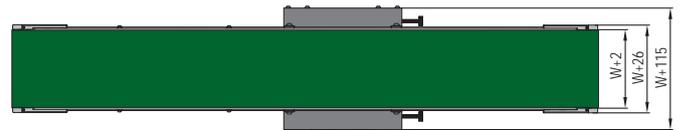
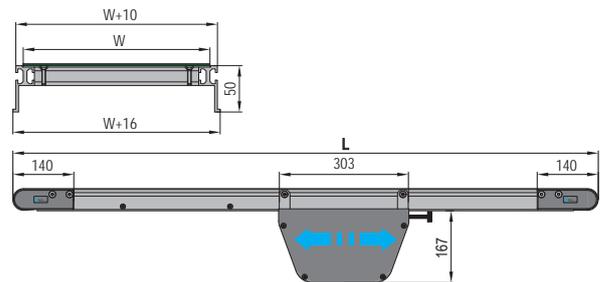
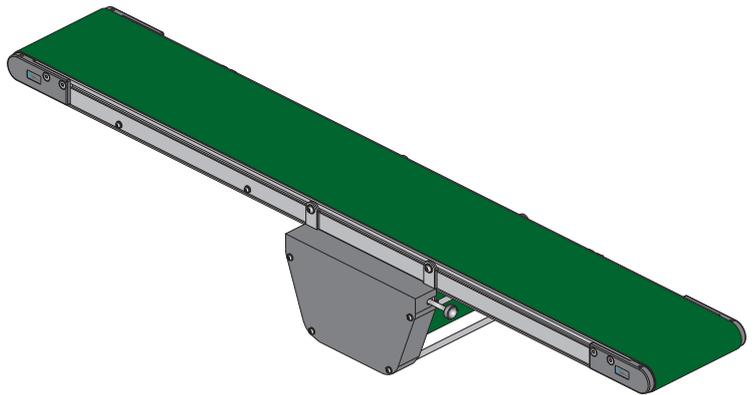
Example:

B1200---M10---L2000---W200---H800---A---I---220---20---V---C---N2---S1---P1

B1200 series center drive conveyor---max. load capacity 10 kg---2000 mm long---200 mm wide---800 mm high---transport direction A
---imported motor---220V---conveyor speed 20 m/min---variable speed---chinese brand belt--- 2 sets of stand support---S1 support stand---P1 guardrail.

- ⚠ Please cancel the corresponding number if it doesn't needed.
- ⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min,for more details, please contact us at: info@moduasm.mx.
- ⚠ Please refer to page 212 when using adjustable speed motor.

 Non accumulation



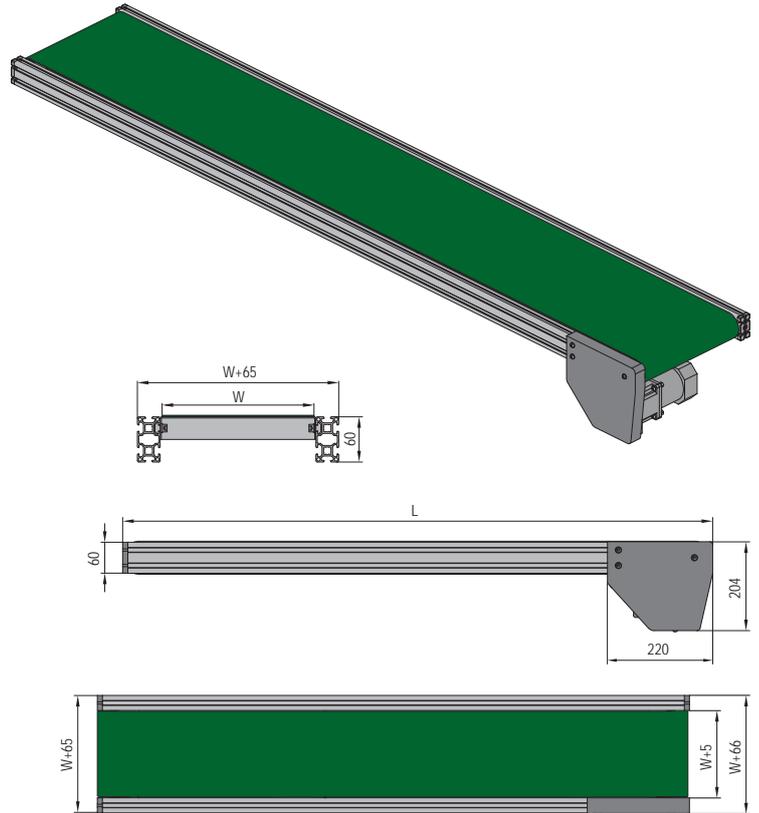
B2100

Specifications

Conveyor Length	$600 \leq L \leq 6000\text{mm}$
Conveyor Width	$80 \leq W \leq 400\text{ mm}$
Max. Load Capacity	40 kg
Max. Belt Speed	V max. = 40 m/min
Pulley Diameter	$\Phi 60\text{ mm}$

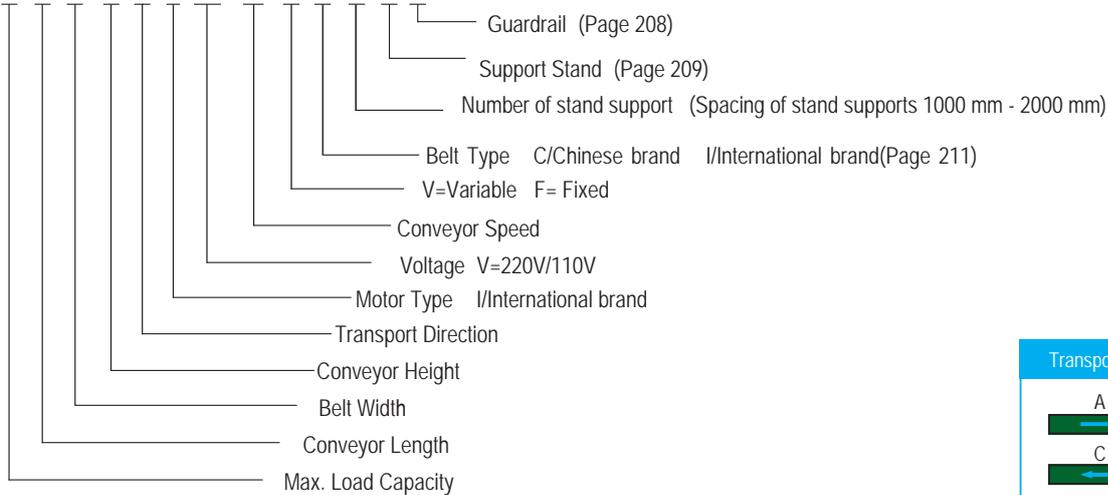
Features/Benefits

1. Efficient installation and adjustment;
2. End drive , save space;
3. T slot aluminum profile frame for easy accessory attachment.



Ordering Reference

B2100---M---L---W---H---A---I---220---20---V---C---N---S---P



Example:

B2100---M10---L2000---W200---H800---A---I---220---20---V---C---N2---S1---P1

B2100 series end drive conveyor---max. load capacity 10 kg---2000 mm long---200 mm wide---800 mm high---transport direction A ---imported motor---220V---conveyor speed 20 m/min---variable speed---chinese brand belt--- 2 sets of stand support---S1 support stand---P1 guardrail.

Transport Direction



Direction A & B preferred, if C & D needed, please contact us at: info@moduasm.mx.

⚠ Please cancel the corresponding number if it doesn't needed.

⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min,for more details, please contact us at: info@moduasm.mx.

⚠ Please refer to page 212 when using adjustable speed motor.

⚠ Non accumulation



B2200

Specifications

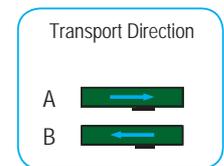
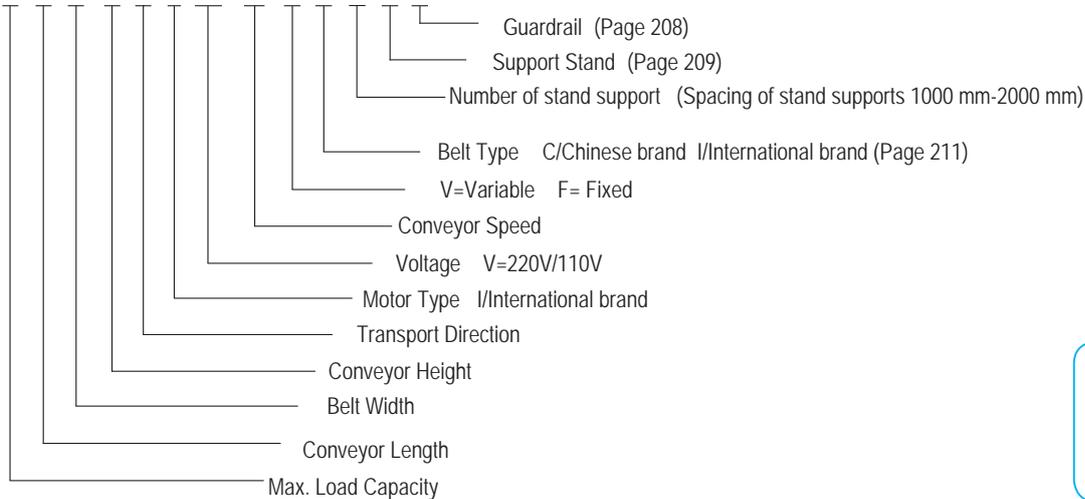
Conveyor Length	$600 \leq L \leq 10000$ mm
Conveyor Width	$80 \leq W \leq 400$ mm
Max. Load Capacity	50 kg
Max. Belt Speed	V max. = 40 m/min
Pulley Diameter	$\Phi 80$ mm

Features/Benefits

1. Quick adjust belt tensioning;
2. Center drive models make conveyor more safe and reliable, operation in both directions;
3. T slot aluminum profile frame for easy accessory attachment.

Ordering Reference

B2200---M---L---W---H---A---I---220---20---V---C---N---S---P



Example:

B2200---M20---L2000---W200---H800---A---I---220---20---V---C---N2---S1---P1

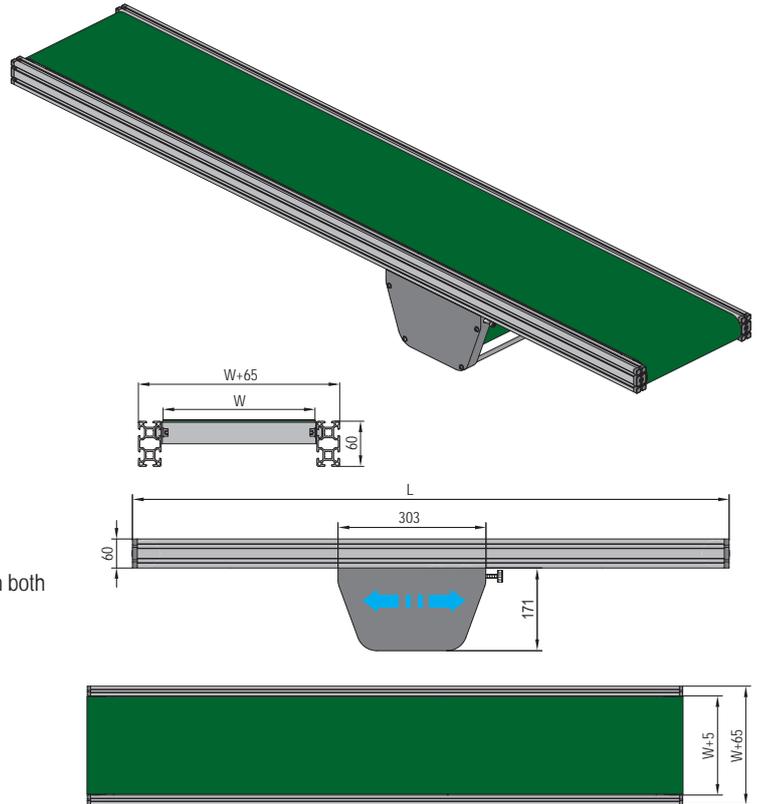
B2200 series center drive conveyor---max. load capacity 20 kg---2000 mm long---200 mm wide---800 mm high---transport direction A
---imported motor---220V---speed 20 m/min---variable speed---chinese brand belt--- 2 sets of stand support---S1 support stand---P1 guardrail.

⚠ Please cancel the corresponding number if it doesn't needed.

⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min, for more details, please contact us at: info@moduasm.mx.

⚠ Please refer to page 212 when using adjustable speed motor.

 Non accumulation



B3100

Specifications

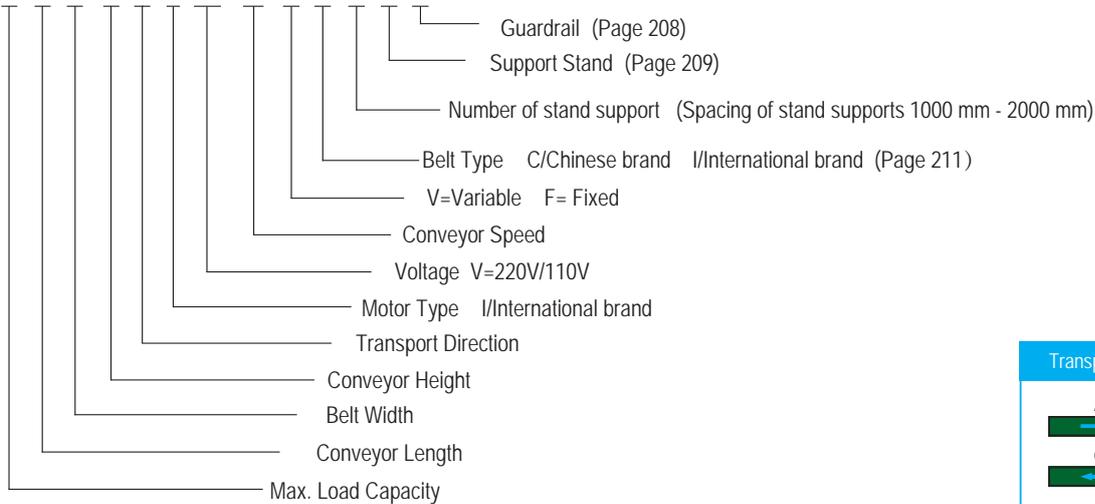
Conveyor Length	$600 \leq L \leq 6000$ mm
Conveyor Width	$200 \leq W \leq 600$ mm
Max. Load Capacity	50 kg
Max. Belt Speed	V max.=40 m/min
Pulley Diameter	$\Phi 70$ mm

Features/Benefits

1. Efficient installation and adjustment;
2. End drive, save space;
3. T slot aluminum profile frame for easy accessory attachment.

Ordering Reference

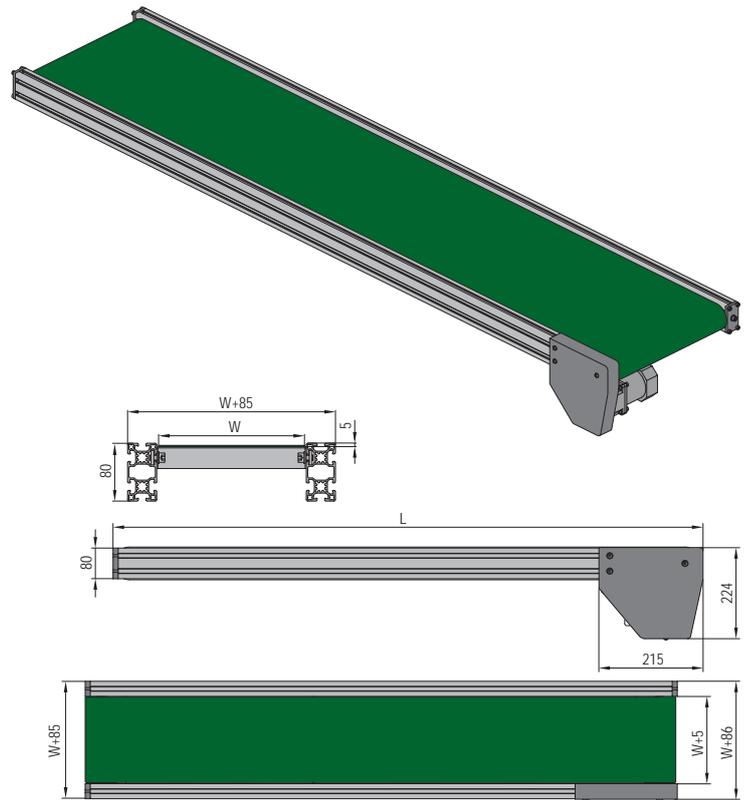
B3100---M---L---W---H---A---I---220---20---V---C---N---S---P



Example:

B3100---M20---L2000---W200---H800---A---I---220---20---V---C---N2---S1---P1

B3100 series end drive conveyor---max. load capacity 20 kg---2000 mm long---200 mm wide---800 mm high---transport direction A---imported motor---220 V---conveyor speed 20 m/min---variable speed---chinese brand belt--- 2 sets of stand support---S1 support stand---P1 guardrail.



Transport Direction



Direction A & B preferred, if C & D needed, please contact us at: info@moduasm.mx.

⚠ Please cancel the corresponding number if it doesn't needed.

⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min, for more details, please contact us at: info@moduasm.mx.

⚠ Please refer to page 212 when using adjustable speed motor.

⚠ Non accumulation



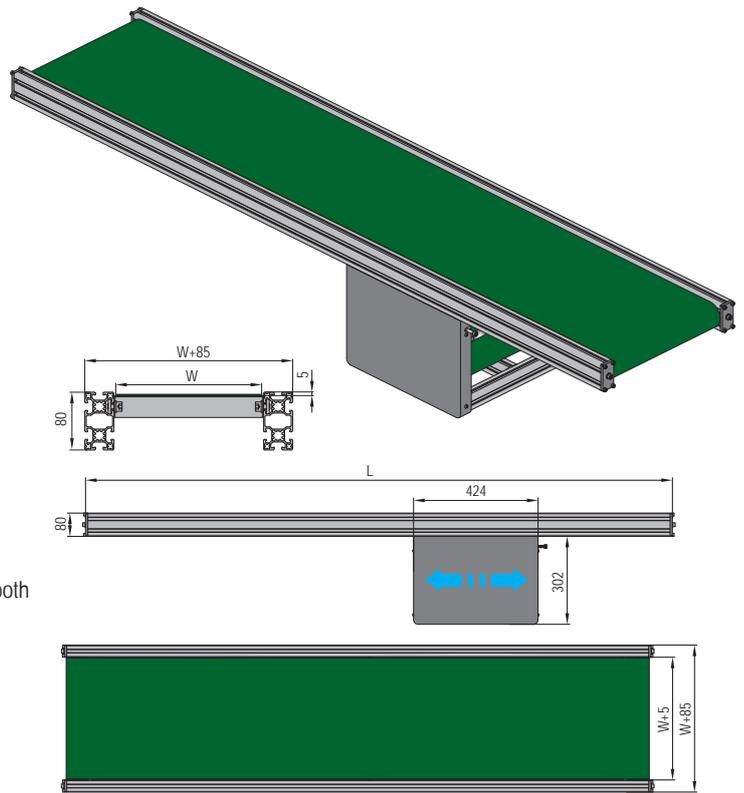
B3200

Specifications

Conveyor Length	$1000 \leq L \leq 20000$ mm
Conveyor Width	$300 \leq W \leq 1000$ mm
Max. Load Capacity	120 kg
Max. Belt Speed	V max. = 40 m/min
Pulley Diameter	Φ120 mm

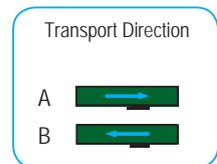
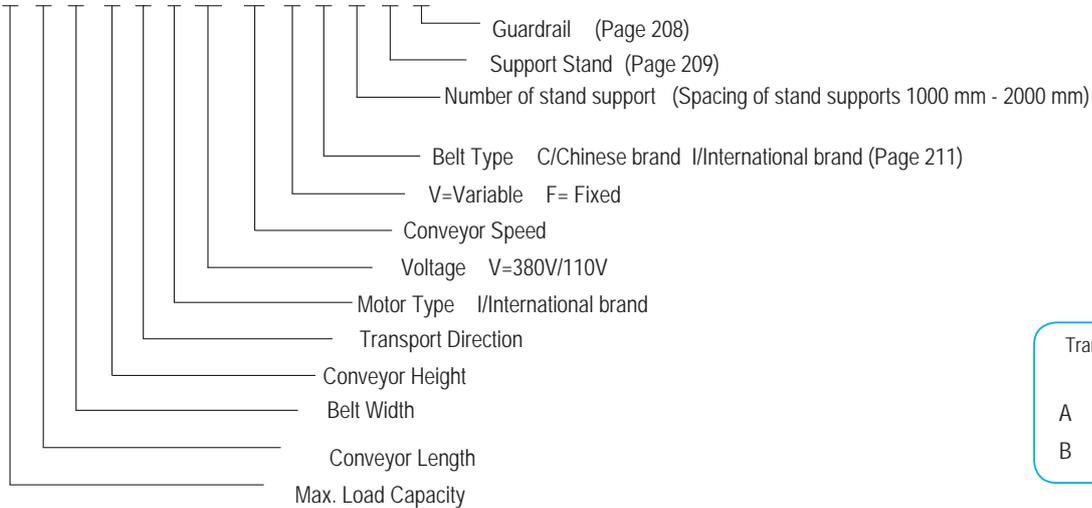
Features/Benefits

1. Quick adjust belt tensioning;
2. Center drive models make conveyor more safe and reliable, operation in both directions;
3. T slot aluminum profile frame for easy accessory attachment.



Ordering Reference

B3200---M---L---W---H---A---I---380---20---V---C---N---S---P



Example:

B3200---M60---L2000---W200---H800---A---I---380---20---V---C---N2---S1---P1

B3200 series center drive conveyor---max. load capacity 60kg---2000mm long---200mm wide---800mm high---transport direction A
---imported motor---380V---conveyor speed 20m/min---variable speed---chinese brand belt---2sets of stand support---S1 support stand---P1 guardrail.

⚠ Please cancel the corresponding number if it doesn't needed.

⚠ The load capacity will be reduced when the conveyor speed exceeds 20 m/min,for more details, please contact us at: info@moduasm.mx.

⚠ Please refer to page 212 when using adjustable speed motor.

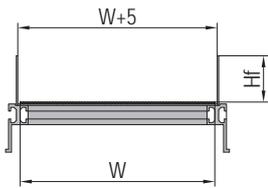
⚠ Non accumulation



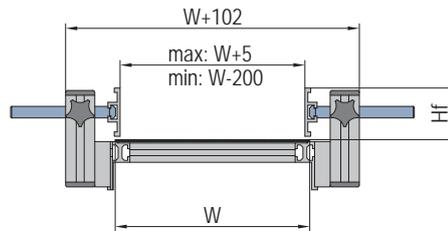
Guardrail

B1100/B1200 Guardrail

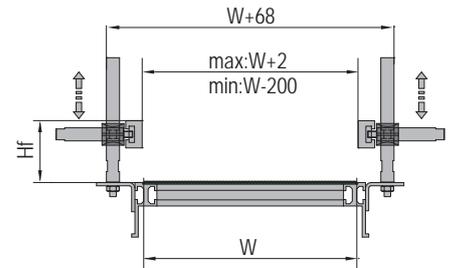
P1-Fixed Guardrail



P2-Adjustable Guardrail

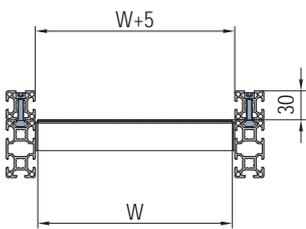


P3-Adjustable Guardrail

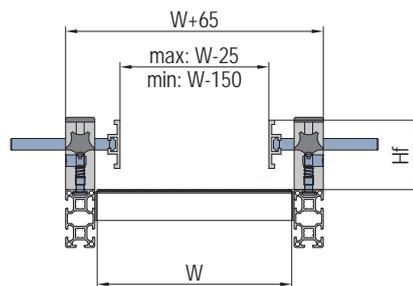


B2100/B2200 Guardrail

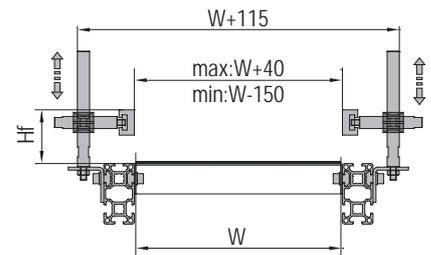
P1-Fixed Guardrail



P2-Adjustable Guardrail

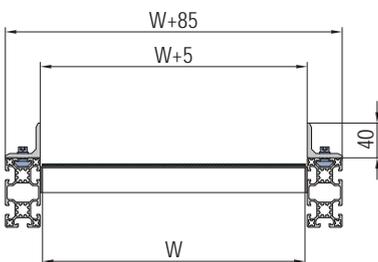


P3-Adjustable Guardrail

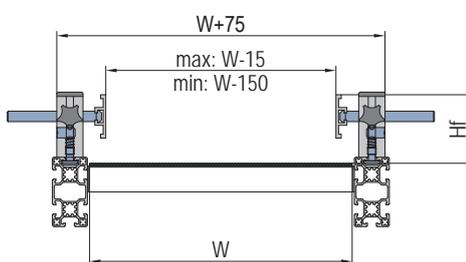


B3100/B3200 Guardrail

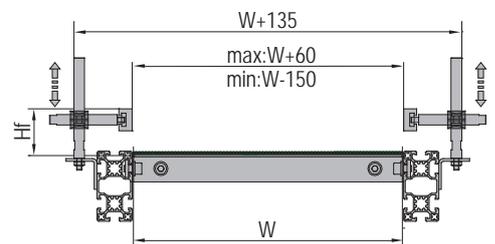
P1-Fixed Guardrail



P2-Adjustable Guardrail

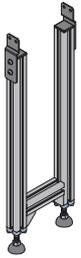


P3-Adjustable Guardrail



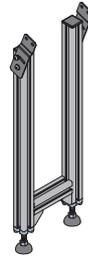
Support Stand

B1100/B1200 Support Stand



S1-Angle Fixed

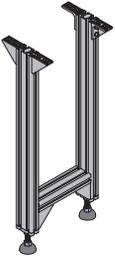
1. 40x40 aluminum profile support frame;
2. ± 30 mm height adjustment.



S2-Angle Adjustable

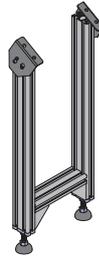
1. 40x40 aluminum profile support frame;
2. ± 30 mm height adjustment;
3. $\pm 15^\circ$ angle adjustment.

B2100/B2200 Support Stand



S1-Angle Fixed

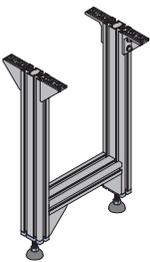
1. 30x60 aluminum profile support frame;
2. ± 30 mm height adjustment.



S2-Angle Adjustable

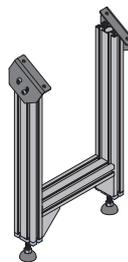
1. 30x60 aluminum profile support frame;
2. ± 30 mm height adjustment;
3. $\pm 15^\circ$ angle adjustment.

B3100/B3200 Support Stand



S1-Angle Fixed

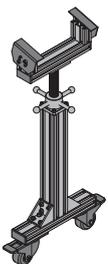
1. 40x80 aluminum profile support frame;
2. ± 30 mm height adjustment.



S2-Angle Adjustable

1. 40x80 aluminum profile support frame;
2. ± 30 mm height adjustment;
3. $\pm 15^\circ$ angle adjustment.

All Types Support Stand



Height Adjustable

1. ± 120 mm height adjustment;
2. $\pm 15^\circ$ angle adjustment;

Toothed Belt Conveyor

Specifications

Conveyor Length	$700 \leq L \leq 4000$ mm
Conveyor Width	$260 \leq W \leq 3000$ mm
Conveyor Height	Customer Specified
Max. Load Capacity	120 kg
Max. Conveyor Speed	$V \text{ max.} = 30$ m/min
Drive Model	Direct
Conveying Medium	PU Toothed Belt

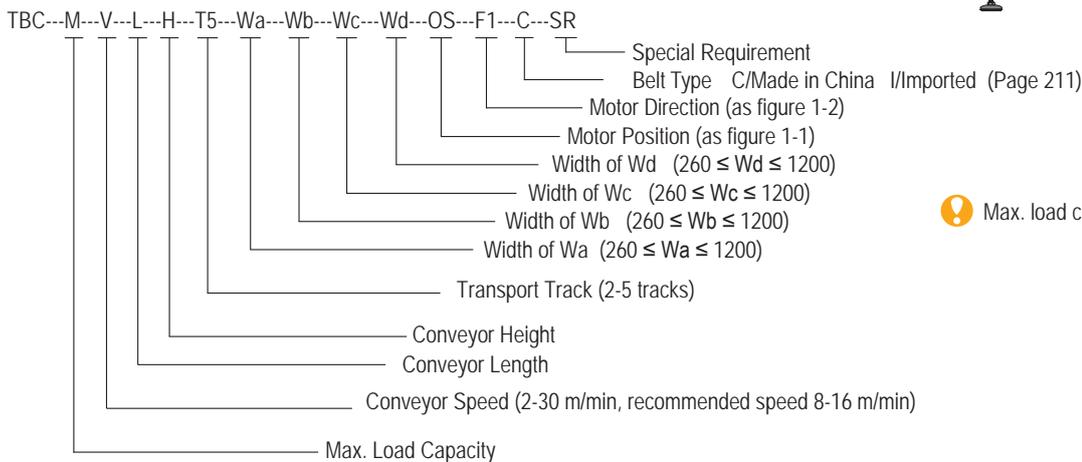
Features/Benefits

1. The drive and return units are constructed from standardized modules. T slot aluminum profile frames are used for easy accessory attachment.
2. Belt section with two to five tracks (maximum five tracks), the distance between tracks can be determined individually.
3. The surface treatment of toothed belt can be specified to meet the different request from customers such as increase or reduce the friction coefficient, resistance to high temperature up to 160°C or antistatic.

Industries Served

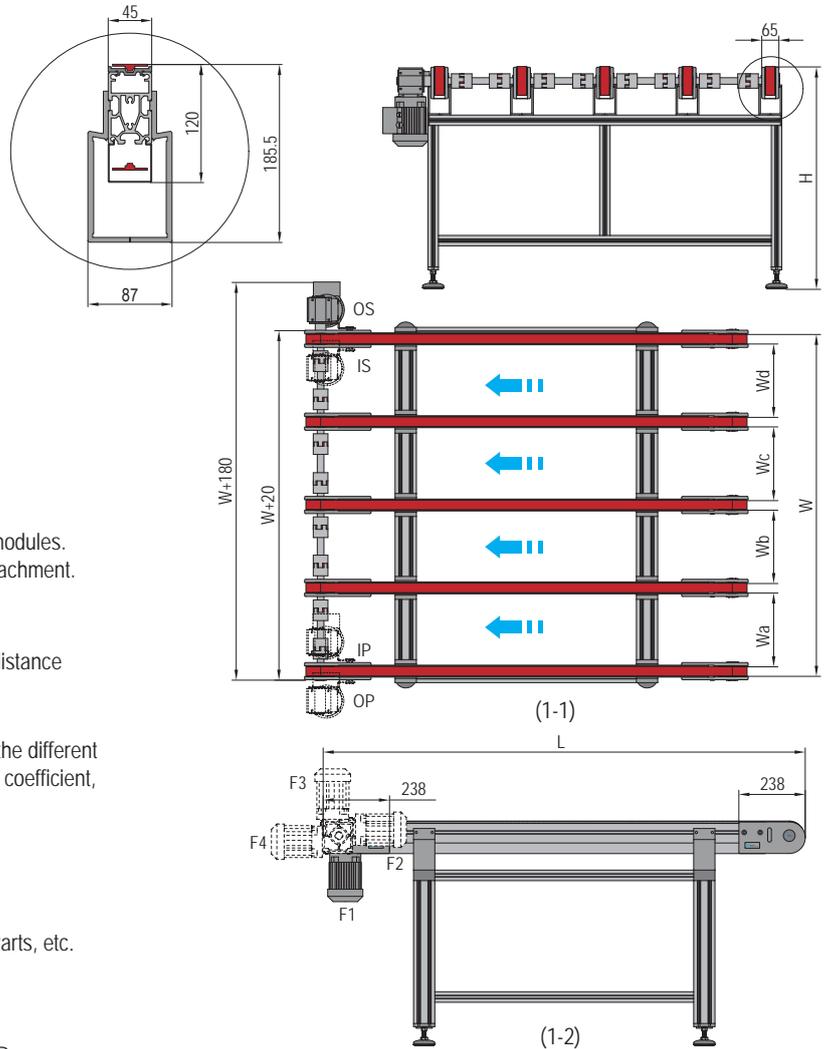
Photovoltaic Industry, Electronics, Glass Conveying, Automobile Parts, etc.

Ordering Reference



Example:

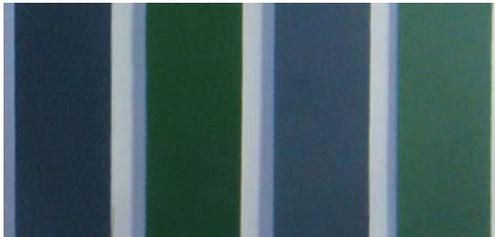
TBC---M60---V16---L2000---H800---T5---Wa300---Wb300---Wc300---Wd300---OS---F1---C

 Toothed belt conveyor---max. load capacity 60 kg---16 m/min---2000 mm long---800 mm high---five transport tracks---width of Wa 300 mm---width of Wb 300 mm
 support---width of Wc 300 mm---width of Wd 300 mm---motor position at OS---motor direction of F1---chinese brand belt.

 Max. load capacity of each toothed belt is 60 kg

Belt

Seglin Belt

 Standard conveyor belt



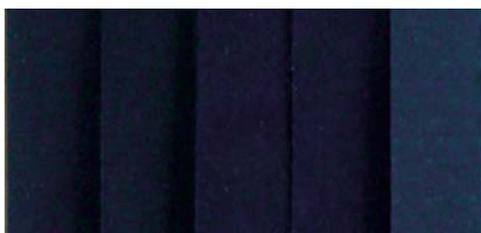
Colour	Thickness (mm)	Temperature range	Application types
atrovirens	1	-10~70°	B1100/B1200
atrovirens	2	-10~70°	all types
atrovirens	3	-10~70°	B2100/2200/3100/3200

 Other conveyor belt



Yongli Belt

 Standard conveyor belt



Colour	Thickness (mm)	Temperature range	Application types
green	1	-10~80°	B1100/B1200
green	2	-10~80°	all types
atrovirens	3	-10~80°	B2100/2200/3100/3200

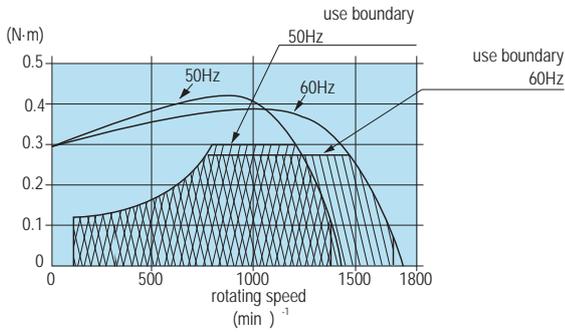
 Other conveyor belt



 For more details, please contact us at: info@moduasm.mx.

Instruction of small motor with speed controller (Example of Output 60 W)

Motor speed vs. Torque

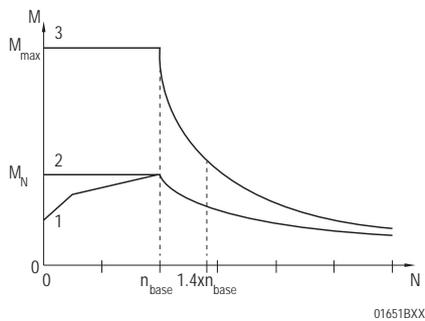


! The use boundary of variable speed motor

The graph shows the allowed torque should be within the range of the shaded area. If the motor is used at torque outside the range, it could either cause the motor loss due to operating temperature rise or cause the gear tooth broken or etc. So please be aware to avoid such use.

! Important Note: Optimum running speed should be at more than 60% of the speed range. If low speed is needed, it is better to change the gear head with a larger reduction ratio or to apply a forced-cooling fan to maintain the best performance of the motor.

Instruction of 380V three phase motor with forced cooling fan



- High start frequency
- With flywheel Z of high inertia
- Adjusting range > 20
- Low speed or static state reaches the normal output torque
- Working frequency of long-term under 25 Hz

M_N =Rated torque of the motor

M_{max} =Maximum torque of the motor

M_{base} =Rated speed (transition speed) of the motor

1 =With integrated cooling

2 =With forced cooling

3 =Maximum torque

! When the motor is with frequency controller, the recommended frequency is $50\text{Hz} \pm 25\text{Hz}$. The forced-cooling fan is needed to be equipped to achieve the best performance of the motor when the frequency is less than 25Hz.

Electrical Control System



Electrical Control Cabinet



Pallet conveying control system



Electrical Control Cabinet



Pallet conveying control system



Pallet conveying control system



Pallet conveying control system



Solenoid valve and air pipe



Pallet conveying control system

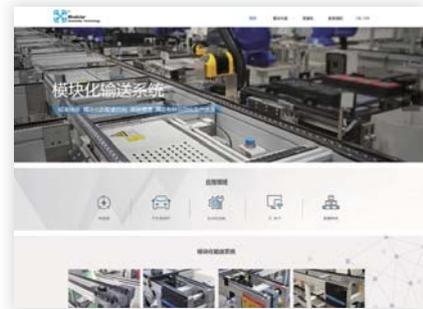
Our Worldwide Network



With its network of branch offices and distributors strategically placed around the world, Modular is able to ensure continuous support for customers.

Modular Website

On our website you will find lots of information about our company and our products, you will also find your contact partner in your area and the latest catalogue (in PDF format) as download.



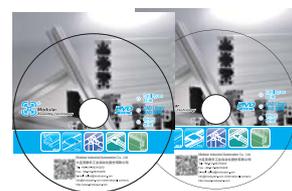
Modular Catalogue

You could check more information on our catalogue, and also could select the most suitable products for your applications.



Modular CD

A series of component data in 2D / 3D formats could be selected to support your design work.





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Pallet Transfer System