



















Flat Belts / Round Belts / Pulleys / Idlers

Overview

Flat Belts

9 types of MISUMI flat belts are available: General Purpose, Sliding, Inclined Transfer, Static Conductive, Food Grade, Heat-Resistant, Oil-Resistant, Non-Adhesive, and Stainless Steel Types. Guided Belts are also available.

[Flat Belts List by Appearance and Features]

			General Purpose	Sliding	Inclined Transfer	Static Conductive	Food Grade	Heat-Resistant	Oil-Resistant	Non-Adhesive Food Grade	Stainless Steel Belt
Appearance	Flat Belts										
	Guided Flat Belts										
Friction Coefficient (Ref.) * Versus Polished Steel	Flat Belts	Front	0.2	0.1 (White) 0.15 (Green)	1.7	0.2	0.2	1.5	0.3	0.2	0.2
		Back	0.1	0.1	0.1	0.1	0.15	0.1	0.1	0.15	0.2
	Guided Flat Belts	Front	0.8	0.2	1.3	0.8	-	-	0.8	0.9	-
		Back	0.2	0.2	0.2	0.2	-	-	0.2	0.2	-
Operating Temperature (°C)			-10~80 (No Cross-piece) -30~80 (With Cross-piece)					-40~180	-5~60 (No Cross-piece) -30~80 (With Cross-piece)	-10~80 (No Cross-piece) -30~80 (With Cross-piece)	-80~130
Feature			Conveyor flat belt for most general purposes.	Belt surface has a small friction coefficient. Suitable for accumulating conveyance.	Belt surface has a large friction coefficient. Inclined transfer is possible.	Provided with antistatic finish. Suitable for conveyance of static-sensitive electronic components.	Satisfies No. 370 Notification concerning Japanese Food Sanitation Laws, and standardized protections against bacterium, mould and tray (ear part tray).	Heat-resistant belt up to 180°C in continuous use. Suitable for transferring heated objects.	Oil resistant vinyl chloride and urethane used for the belt surfaces are suitable for objects with machining oil.	Low adhesion belt surface is suitable for transferring objects with adhesive qualities.	Stainless Steel 304H belt with superior flatness, heat resistance, and electrical conductivity.

· Characteristics of Electronic Part Conveyor Belt

Item		Unit	DHBLT
Electrical Resistance of Surface		Ω	10 ⁴ ~10 ⁵
Triboelectrical Voltage	* Test Condition A	V	10~20
	* Test Condition B		5~10

🔍 * Test Conditions

A: Belt Speed: 220m/min, Temperature: 21±0.5°C, Humidity: 70±1%

B: Belt Speed: 20m/min, Temperature: 18±0.5°C, Humidity: 50±1%

🔍 Listed values are not guaranteed values but an example set of measured values.

· Conveyance belt for food has the function compliant with HACCP.

*HACCP.....Hazard Analysis (and) Critical Control Point

A technology developed by National Aeronautics and Space Administration (NASA) for sanitary control of space foods, which is applied to sanitary control in food industries and restaurants.

· Cautions on Storing (for safe use)








- Avoid direct sunlight.
- Store in place with no humidity.
- Store in a place with humidity of less than 80%, temperature of 0 ~ 40°C.
- Do not store in stacks and avoid bending during storage.
- Do not put them directly on the ground.
- Avoid contact with oil and chemicals.

Pulleys and Idlers for Flat Belts

MISUMI pulleys and idlers for flat belts are offered in a wide variety of shapes and sizes.

You can choose the most suitable product for your needs, such as lateral movement and slip prevention.

[Pulleys / Idlers for Flat Belts List by Type]

Belt Width (mm)				O.D. (mm)			Standard Type			Stainless Steel Belt	Urethane Lined	Economy Type	Shaft Type
							Straight Type	Crowned Type	V - Groove Straight Type	Crowned Type	Type		
													
							Typical straight configuration. Flanged type can be selected.	Crowned shape to prevent Lateral Movement. Flanged type can be selected.	V - Groove Straight Type to prevent lateral movement. Compatible with guided belt.	Crowned shape to prevent Lateral Movement.	Urethane lining is applied (partially press-fit) to prevent slip of the belt and the pulley.	Economical product with thin pipe.	Shaft integrated product. Contributes to reduction of number of parts.
Pulley	Width Selectable	6~32	15~100	P.1115	P.1115	-	-	P.1115	-	-			
		25~100	15~80	-	P.1117	P.1117	-	P.1123	-	P.1125			
	Width Configurable	110~500	18~80	-	P.1121	P.1121	-	P.1124	P.1119	-			
		40~160	50~100	-	-	-	P.1114	-	-	-			
Idler	Width Selectable	6~32	15~50	P.1116	P.1116	-	-	-	-	-			
		25~100	15~80	P.1118	P.1118	-	-	-	-	-			
	Width Configurable	110~500	18~80	P.1122	P.1122	P.1122	-	-	P.1120	-			
		40~160	50~100	-	-	-	P.1114	-	-	-			

Round Belts

Five types of MISUMI round belts are available: Standard Type, High Tension Type, Conductive Type, Seamless Type and Hollow Rope Type.

Also, Welded Joint or Open End are selectable for Standard Type and High Tension Type.

[Features of Round Belts]

Suitable for conveying lightweight objects. Flexible on designs such as multi-shafts transmission or right angle transmission.

High elasticity and hardness, and excels in abrasion resistance, oil resistance and weather resistance.

Not applicable to aromatic compounds (toluene, benzene, naphthalene, etc.). Avoid using or storing in humid locations.

Features of Each Type 📄 P.1127, 1128