

Flat Belts - With Meandering Prevention Crosspiece For Packaged Goods Transfer / For Electronic Parts Transfer

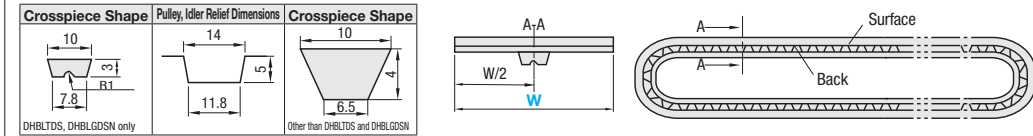
Flat Belts with Crosspieces

■ Features: Suitable for ensuring the running straightness and strength against lateral forces. Packaged goods can be transferred without any damage. Provided with antistatic finish. Suitable for conveyance of static-sensitive electronic components. (DHBLTDS/DHBLGDSN)

Type	Color	Ply count	Surface Shape	Material		Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
				Surface	Back	Front	Back					
FBLGDS	Green	1	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	1.8	1.2	4	25	-5~60
FBLWDS	White	1	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	1.8	1.2	4	25	-5~60
FBLGDSN	Green	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2.0	1.5	5	30	-5~60
FBLWDSN	White	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2.0	1.5	5	30	-5~60
DHBLTDS	Black	1	Flat surface	Conductive Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	20	-30~80
DHBLGDSN	Black	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20)*1	-30~80

*1: Number in () is the value when allowable tension is 5N/mm.

● Flat belts are weld-jointed before shipping.
● I.D. will be the Belt Length.



⚠ For Belt Tolerance, see P.1352

Part Number	Belt Length L (m)		Body Price / m				Belt Jointing Charge (Body Price +)			
	Type	Belt Width W (mm)	FBLGDS	FBLGDSN	DHBLTDS	DHBLGDSN	FBLGDS	FBLGDSN	DHBLTDS	DHBLGDSN
FBLGDS	50-90	0.50~20.00 (L≥Wx4)								
FBLWDS	100-190									
FBLGDSN	200-290									
FBLWDSN	300-400									
DHBLTDS	410-500									

⚠ Belts with meandering prevention crosspiece are knife-edged and hence cannot be used.
⚠ Circumference Lengths of FBLGDS, FBLWDS, FBLGDSN, FBLWDSN are 0.70~

Type	Food Sanitation	Antibacterial and Antifungal Property	Fray Prevention	Water / Moisture Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
FBLGDS	△	-	-	-	-	-	○	-	○	-
FBLWDS	△	-	-	-	-	-	○	-	○	-
FBLGDSN	△	-	-	-	-	-	○	-	○	-
FBLWDSN	△	-	-	-	-	-	○	-	○	-
DHBLTDS	-	-	○	-	-	-	-	-	-	○
DHBLGDSN	-	-	○	-	-	-	-	-	-	○

○: Best suited, △: Applicable, △: May be applicable, -: Not applicable

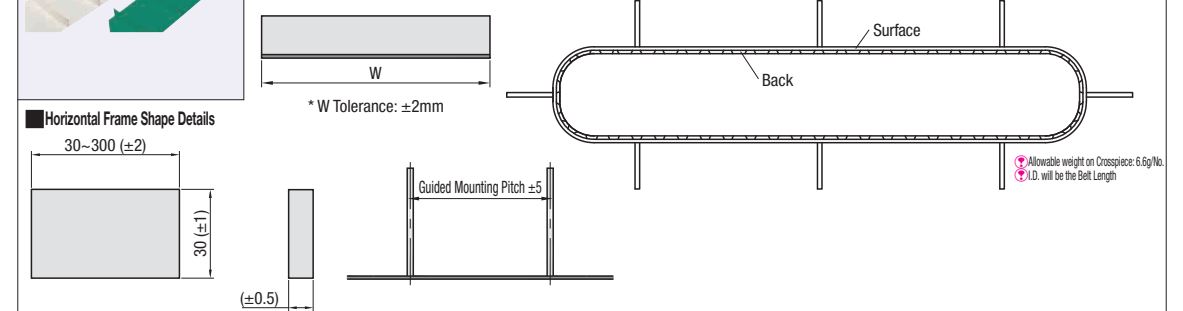
Ordering Example

Part Number	Belt Length L (m)	
Type	Belt Width (mm)	
FBLGDS	350	- 4.23
DHBLTDS	350	- 4.23

■ Features: Workpiece can be firmly received and transferred in inclined or flat transfer.

Type	Usage	Ply count	Material		Color	Flat Belts			Crosspiece					
			Surface	Back		Thickness mm	Unit Mass kg/m ²	Min. Pulley Dia. Ømm	Continuous Use Temperature °C	Substrate for Food Transfer	Friction Coefficient	Color Tone	Hardness Shore A (°)	
YBLTG	Inclined Transfer	2	Thermoplastic Polyurethane	Polyester Canvas	Green	4.6	1.3	1.5	50	-15~80	×	-	Green	70
YBLTW	Flat Transfer					6	1.2	1.3	50	-30~80	○	-	White	

⚠ YBLTW (W) can be suitable for food transfer by matching the base material (belt) and the crosspieces. Green is not suitable.



⚠ Belt Width W Dimension will be the same as Crosspiece Width Dimension.

⚠ Crosspiece welding method: High-frequency welding

Cautionary Points on Usages

- Conveyance belt for food has the functions compliant with the requirements of the following authority. YBLTW:
*FDA—Food and Drug Administration
It is a government organization of the United States that professionally administers the regulations for approval or violation of products used in leading a normal life, such as food, medical products, cosmetics, medical devices, animal health products, toys, etc.
- ⚠ Load per crosspiece should be 2 kg or less. The crosspiece is heat-welded. Avoid overload as it may cause damage or deformation.
- ⚠ Use only within the Allowable Range (Pulley Dia., Tensile Strength, Temperature) listed in the Specification Table.
- ⚠ Refrain from long-term storage of packed products. There is a possibility of slight deformation of the crosspiece as the belt is wrapped with vinyl tape.

Flat Belt with Crosspiece Selection Method

- ① Select width, length and color
- ② Determine the no. of crosspiece with respect to the belt length

⚠ Specify the Crosspiece Mounting Pitch by dividing the Belt Length into whole numbers. If not divisible, evenly weld the horizontal frame.

Part Number	Type	Belt Width W (mm)	Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment	Body Price Unit Price / m	(Body Price +)	
							Crosspiece Weld-on Charge / Pc.	Belt Jointing Charge
YBLTG		30	30	5~240	1.00~7.00		YBLTG	
		50						
		100						
		150						
		200						
		250						

Part Number	Type	Belt Width W (mm)	Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment	Body Price Unit Price / m	(Body Price +)	
							Crosspiece Weld-on Charge / Pc.	Belt Jointing Charge
YBLTW		30	30	5~240	1.00~7.00		YBLTW	
		50						
		100						
		150						
		200						
		250						

⚠ Flat belts are weld-jointed before shipping.

⚠ For a conveyor example with this belt, see P.1251, 1252

Ordering Example

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

⚠ Belt Price Calculation Method

Ex.: YBLTW100-30-10-3.0

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

EX Example

