

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

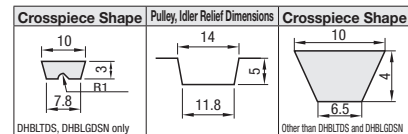
■ **Features:** Suitable for ensuring the running straightness and strength against lateral forces. Packaged goods can be transferred without any damage. Provided with antistatic finish. Suitable for conveyance of static-sensitive electronic components, (DHBLTDS/DHBLGDSN)

■ **For Packaged Goods Transfer / For Electronic Parts Transfer**
-With Meandering Prevention Crosspiece

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	0.01m Increment	FBLGDS FBLWDS	FBLGDSN FBLWDSN	DHBLTDS	DHBLGDSN	FBLGDS FBLWDS	FBLGDSN FBLWDSN	DHBLTDS	DHBLGDSN
	10mm Increment									
FBLGDS	50~90	0.50~20.00 (L≥Wx4)								
FBLWDS	100~190									
FBLGDSN	200~290									
FBLWDSN	300~400									
DHBLTDS	410~500									
DHBLGDSN										

☞ Belts with meandering prevention crosspiece are knife-edged and hence cannot be used.

☞ Circumference Lengths of FBLGDS, FBLWDS, FBLGDSN, FBWDSN are 0.70~

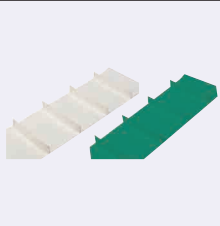
Type	Food Sanitation	Antibacterial and Antifungal Property	Fray Prevention	Water / Moisture Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
FBLGDS	△	-	-	-	-	-	○	-	○	-
FBLWDS	△	-	-	-	-	-	○	-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

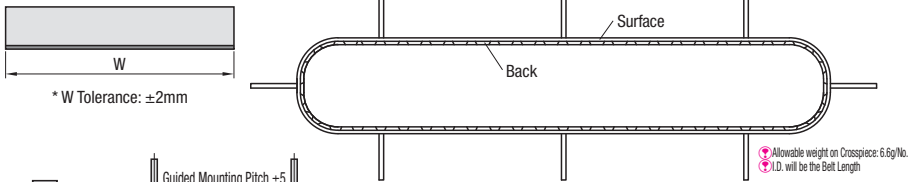
Flat Belts with Crosspieces

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

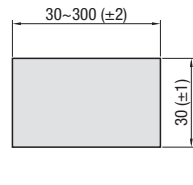


Type	Usage	Ply count	Material		Color	Allowable Tension N/mm	Thickness mm	Unit Mass kg/m ²	Min. Pulley Dia. Ømm	Continuous Use Temperature °C	Suitable for Food Transfer	Friction Coefficient		Crosspiece	
			Surface	Back								Front	Back	Color Tone	Hardness Shore A (°)
YBLTG	Inclined Transfer	2	Thermoplastic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



■ **Horizontal Frame Shape Details**



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

☞ Crosspiece welding method: High-frequency welding

● 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.

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		Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment	Body Price Unit Price / m	(Body Price +)	
Type	Belt Width W (mm)					Crosspiece Weld-on Charge / Pc.	Belt Jointing Charge
YBLTG	30	30	5~240	1.00~7.00			
	50						
	100						
	150						
	200						
	250						
	300						

Part Number		Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m) 0.01m Increment	Body Price Unit Price / m	(Body Price +)	
Type	Belt Width W (mm)					Crosspiece Weld-on Charge / Pc.	Belt Jointing Charge
YBLTW	30	30	5~240	1.00~7.00			
	50						
	100						
	150						
	200						
	250						
	300						

☞ 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

