

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

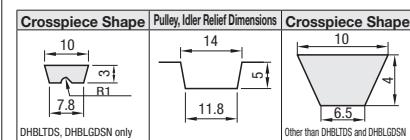
**Features:** Suitable for ensuring the running straightness and strength against lateral forces. Packaged goods can be transferred without any damage. Provided with antistatic finish. Suitable for conveyance of static-sensitive electronic components. (DHBLTDS/DHBLGDSN)

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 <sup>2</sup>	Allowable Tension N/m	Min. Pulley Dia. Ømm	Continuous Use Temperature °C	
				Surface	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
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

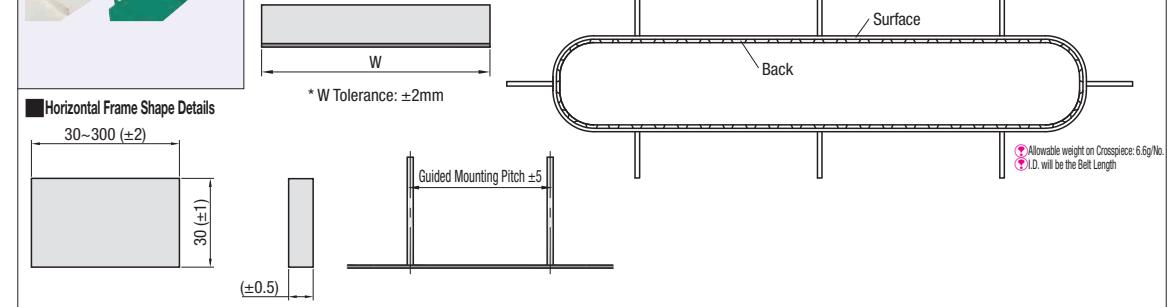
Part Number		Belt Length L (m)
Type	Belt Width (mm)	
FBLGDS	350	- 4.23
DHBLTDS	350	- 4.23

## 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 <sup>2</sup>	Min. Pulley Dia. Ømm	Continuous Use Temperature °C	Suitable for Food Transfer	Friction Coefficient Front Back	Crosspiece Color Tone Hardness Shore A (°)
			Surface	Back									
YBLTG	Inclined Transfer	2	Thermoplastic Polyurethane	Polyester Canvas	Green	4.6	1.3	1.5	50	-15~80	×	-	Green 70
YBLTW	Flat Transfers	2	Thermoplastic Polyurethane	Polyester Canvas	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.



Cautionary Points on Usages											
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											

- Select width, length and color
- 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)	Body Price / m	(Body Price +)		Part Number	Crosspiece Height (mm)	No. of Crosspieces	Belt Length L (m)	Body Price / m	(Body Price +)	
					Crosspiece Weld-on Charge / Pcs.	Belt Jointing Charge						YBLTG	YBLTW
YBLTG	30							30					
	50							50					
	100							100					
	150							150					
	200							200					
	250							250					
	300							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

