Flat Belts - With Meandering Prevention Crosspiece General Use

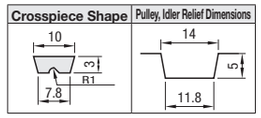
Features: Suitable for ensuring the running straightness and strength against lateral forces. Used for transfer of wide range of items right from food to cardboard, metal and plastic. Excels in moist-heat resistance and prevents fray.

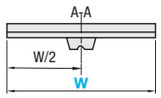
General Purpose
- With Meandering Prevention Crosspiece

Type	Type No.	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient (Ref. Against Polished Steel) Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
HBLTDSG	①	Green	1	Flat surface	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	20	-30~80
HBLTDSW	②	White	1	Flat surface	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	20	-30~80
HBLTDS	③	Green	2	Flat surface	Polyurethane	Polyester	0.8	0.2	1.4	1.5	8	25	-30~80
HBLTGSDSN	④	Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	-30~100
HBLBDSN	⑤	Sky Blue	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.3	3	20	-30~100
HBLYGDSN	⑥	Yellow Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20) *1	-30~100
HBLTGCDSN	⑦	Green	2	Flat surface	PVC	Polyester Canvas	1.0	0.2	1.8	1.9	8	30	-10~80
HBLTWCDSN	⑧	White	2	Flat surface	PVC	Polyester Canvas	1.0	0.2	1.8	1.9	8	30	-10~80
HBLGDST	⑨	Green	3	Flat surface	PVC	Polyester Canvas	1.0	0.2	4.6	5	18	100	-10~80
HBLWDST	⑩	White	3	Flat surface	PVC	Polyester Canvas	1.0	0.2	4.6	5	18	100	-10~80
HBTDSTN	⑪	Green	2	Flat surface	PVC	Polyester Canvas	1.0	0.2	3.4	3.7	8	75	-10~80

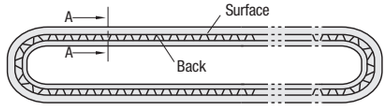
*1: Number in ( ) is the value when allowable tension is 5N/mm.

Crosspiece Shape	Pulley, Idler Relief Dimensions





For Belt Tolerance, see P.1352



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

Old Specifications

Type	Thickness mm	Unit Mass kg/m²	Min. Pulley Dia. Ømm
HBLTGCDSN	2.1	2.3	50
HBLTWCDSN	2.1	2.3	50
HBLGDST	5	5.7	120
HBLWDST	5	5.7	120
HBTDSTN	3.6	4.1	100

Part Number: Type	Part Number: Belt Width W 10mm Increment	Belt Length L (m) 0.01m Increment	Body Price / m: ①②	③	④	⑤	⑥	⑦⑧	⑨⑩	⑪	Belt Jointing Charge (Body Price +): ①②③	Belt Jointing Charge (Body Price +): ④,⑤,⑥,⑦,⑧,⑪	Belt Jointing Charge (Body Price +): ⑨,⑩
			HBLTDSG HBLTDSW	HBLTDS	HBLTGSDSN	HBLBDSN	HBLYGDSN	HBLTGCDSN HBLTWCDSN	HBLGDST HBLWDST	HBTDSTN	HBLTDSG HBLTDSW HBLTDS	HBLTGSDSN, HBLBDSN HBLYGDSN, HBLTGCDSN HBLTWCDSN, HBTDSTN	HBLGDST HBLWDST
HBLTDSG HBLTDSW HBLTDS HBLTGSDSN HBLBDSN HBLYGDSN HBLTGCDSN HBLTWCDSN HBLGDST HBLWDST HBTDSTN	50~90	0.50~20.00 (L≥Wx4)											
	100~190												
	200~290												
	300~400												
	410~500												

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

Ordering Example

Part Number	-	Belt Length L (m)
Type	Belt Width	
HBLTDS	350	- 4.23

Type	Food hygienic properties	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
HBLTDSG	○	-	○	○	○	-	-	○	-	○
HBLTDSW	○	-	○	○	○	-	-	○	-	○
HBLTDS	○	-	○	○	○	-	-	○	-	○
HBLTGSDSN	○	-	○	○	○	-	-	○	-	○
HBLBDSN	○	○	○	○	○	-	-	○	-	○
HBLYGDSN	○	-	○	○	○	-	-	○	-	○
HBLTGCDSN	○ *1	-	○	-	-	-	-	○	-	◎
HBLTWCDSN	○ *1	-	○	-	-	-	-	○	-	◎
HBLGDST	○ *1	-	-	-	-	-	-	○	-	◎
HBLWDST	○ *1	-	-	-	-	-	-	○	-	◎
HBTDSTN	○ *1	-	○	-	-	-	-	○	-	◎

*1: Cannot be used for bare transfer of oil and fatty foods.
◎: Best suited, ○: Applicable, △: May be applicable, -: Not applicable

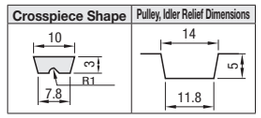
Flat Belts - With Meandering Prevention Crosspiece For Sliding / For Inclined Transfer

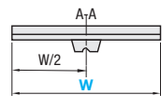
Sliding Features: Suitable for ensuring the running straightness and strength against lateral forces. A canvas having lubricating ability in vertical direction is used. It is a belt for accumulation and alignment of transfer objects.

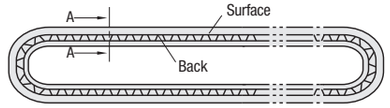
Sliding
- With Meandering Prevention Crosspiece

Type	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient (Ref. Against Polished Steel) Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
SHBLTDSG	Green	1	-	Polyester	Polyester	0.2	0.2	0.6	0.4	4	20	-30~80
SHBLTDSW	White	1	-	Polyester	Polyester	0.2	0.2	0.6	0.4	4	20	-30~80
SHBLTDS	White	2	-	Polyester	Polyester	0.2	0.2	1.3	1.1	8	40	-30~80
YSBLGDSN	Green	2	-	Polyester Canvas	Polyester Canvas	0.2	0.2	1.3	1.1	8	30	-30~100
YSBLWDSN	White	2	-	Polyester Canvas	Polyester Canvas	0.2	0.2	1.3	1.1	8	30	-30~100

Crosspiece Shape	Pulley, Idler Relief Dimensions







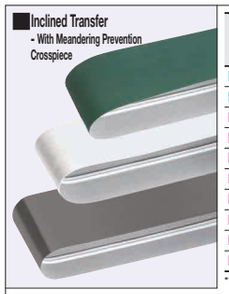
- Flat belts are weld-jointed before shipping.
- I.D. will be the Belt Length.

For Belt Tolerance, see P.1352

Part Number: Type	Part Number: Belt Width W 10mm Increment	Belt Length L (m) 0.01m Increment	Body Price / m: SHBLTDSG SHBLTDSW	SHBLTDS	YSBLGDSN	YSBLWDSN	Belt Jointing Charge (Body Price +): SHBLTDSG SHBLTDSW SHBLTDS	Belt Jointing Charge (Body Price +): YSBLGDSN YSBLWDSN
SHBLTDSG SHBLTDSW SHBLTDS YSBLGDSN YSBLWDSN	50~90	0.50~20.00 (L≥Wx4)						
	100~190							
	200~290							
	300~400							
	410~500							

For Inclined Transfer Features: Suitable for ensuring the running straightness and strength against lateral forces. Belt that ensures high grip on various surface patterns, such as Vertical groove, Shallow groove, Deep groove, Basket-weave, Rough top, Herringbone, etc.

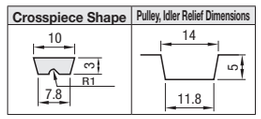
Inclined Transfer
- With Meandering Prevention Crosspiece

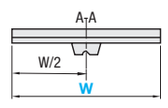


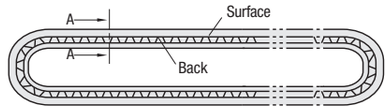
Type	Type No.	Incline Angle Standard	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient (Ref. Against Polished Steel) Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
LHBLTDSG	①	15 or less	Green	1	Vertical groove	Polyurethane	Polyester	1.3	0.2	1.4	1	4	25	-30~80
LHBLTDSW	②	15 or less	White	1	Vertical groove	Polyurethane	Polyester	1.3	0.2	1.4	1	4	25	-30~80
LHBLWDSN	③	15 or less	White	2	Vertical groove	Thermoplastic Polyurethane	Polyester Canvas	1.6	0.2	2.3	2.2	8	50(25) *1	-30~80
LHBLYADSN	④	15 or less	Gray	2	Shallow groove	PVC	Polyester Canvas	1.2	0.2	3.3	3.4	8	80	-10~70
LHBLGDSN	⑤	15 or less	Green	2	Basket-weave	PVC	Polyester Canvas	1.1	0.2	2.3	2.4	8	100(70) *1	-10~60
LHBLGADSN	⑥	20 or less	Green	2	Deep groove	PVC	Polyester Canvas	1.2	0.2	5.3	4.2	8	80	-10~70
LHBLGTDSN	⑦	20 or less	Green	2	Rough top	PVC	Polyester Canvas	1.1	0.2	5.5	6.5	12	80	-10~70
LHBLYTDSN	⑧	20 or less	Gray	2	Rough top	PVC	Polyester Canvas	1.1	0.2	5.5	6.5	12	80	-10~70
LHBLGYDSN	⑨	30 or less	Green	2	Herringbone	Special Thermoplastic Elastomer	Polyester Canvas	2.0	0.2	3.4	3.0	8	50	-10~60
LHBLYFDSN	⑩	30 or less	Gray	2	Herringbone	Special Thermoplastic Elastomer	Polyester Canvas	2.0	0.2	3.4	3.0	8	75(50) *1	-10~60

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

Crosspiece Shape	Pulley, Idler Relief Dimensions







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

For Belt Tolerance, see P.1352

Part Number: Type	Part Number: Belt Width W 0.01m Increment 10mm Increment	Belt Length L (m) 0.01m Increment	Body Price / m: ①②	④	⑤	⑥	⑦⑧	③,⑨,⑩	Belt Jointing Charge (Body Price +): ①②	Belt Jointing Charge (Body Price +): ③~⑧
			LHBLTDSG LHBLTDSW	LHBLYADSN	LHBLGDSN	LHBLGADSN	LHBLGTDSN LHBLYTDSN	LHBLWDSN LHBLGYDSN LHBLYFDSN	LHBLTDSG LHBLTDSW	LHBLWDSN, LHBLYADSN LHBLGDSN, LHBLGADSN LHBLGTDSN, LHBLYTDSN LHBLGYDSN, LHBLYFDSN
LHBLTDSG LHBLTDSW LHBLWDSN LHBLYADSN LHBLGDSN LHBLGADSN LHBLGTDSN LHBLYTDSN LHBLGYDSN LHBLYFDSN	50~90	0.50~20.00 (L≥Wx4)								
	100~190									
	200~290									
	300~400									
	410~500									

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

Type	Food hygienic properties	Antibacterial and Antifungal Property	Fray Prevention	Water Resistance, Moist-Heat Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
SHBLTDSG	○*1	-	○	○	○	-	-	○	○	○
SHBLTDSW	○	-	○	○	○	-	-	○	○	○
SHBLTDS	○*1	-	○	○	○	-	-	○	○	○
YSBLGDSN	○*1	-	-	○	-	-	-	○	-	○
YSBLWDSN	○	-	-	○	-	-	-	○	-	○

Type	Standard Inclination	Food hygienic properties	Antibacterial and Antifungal Property	Fray Prevention	Water Resistance, Moist-Heat Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
LHBLTDSG	15 or less	○	-	○	-	-	-	-	-	-	○
LHBLTDSW	15 or less	○	-	○	-	-	-	-	-	-	○
LHBLWDSN	15 or less	○	-	○	-	-	-	-	-	-	○
LHBLYADSN	15 or less	-	-	○	-	-	-	-	-	-	-
LHBLGDSN	15 or less	-	-	-	-	-	-	-	-	-	-
LHBLGADSN	20 or less	-	-	○	-	-	-	-	-	-	-
LHBLGTDSN	20 or less	-	-	-	-	-	-	-	-	-	-
LHBLYTDSN	20 or less	-	-	-	-	-	-	-	-	-	-
LHBLGYDSN	30 or less	-	-	-	-	-	-	-	-	-	-
LHBLYFDSN	30 or less	-	-	○	-	-	-	-	-	-	-

*1: Cannot be used for bare transfer of oil and fatty foods.
◎: Best suited, ○: Applicable, △: May be applicable, -: Not applicable

Ordering Example

Part Number	-	Belt Length L (m)
Type	Belt Width	
SHBLTDSG	350	- 4.23
LHBLTDSG	350	- 4.23