

Flat Belts General Use

Flat Belts For Sliding

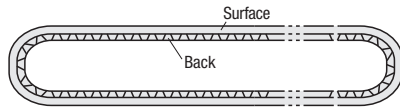
Features: Used for transfer of wide range of items right from food to cardboard, metal and plastic. Excels in moist-heat resistance and prevents fray.

General Purpose	Type	Type No.	Ply count	Surface Shape	Color	Material		Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Knife Edge	Continuous Use Temperature °C
						Surface	Back	Front	Back						
						①	②	③	④						
HBLT	①	1	1	Flat surface	Green	Polyurethane	Polyester	0.2	0.1	0.9	1	4	R5	-30~80	
HBLTWH	②	1	1	Flat surface	White	Polyurethane	Polyester	0.15	0.1	0.9	1	4	R5	-30~80	
HBLTG	③	1	1	Flat surface	Green	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	R5	-30~80	
HBLTGDN	④	2	2	Flat surface	Green	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	×	-30~100
HBLBN	⑤	2	2	Flat surface	Sky Blue	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.3	3	15	R3	-30~100
HBLYGN	⑥	2	2	Flat surface	Yellow Green	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1 (R3)*1	×	-30~100
HBLTGCN	⑦	2	2	Flat surface	Green	PVC	Polyester Canvas	1.0	0.2	2.1	2.3	8	50	×	-10~80
HBLTWCN	⑧	2	2	Flat surface	White	PVC	Polyester Canvas	1.0	0.2	2.1	2.3	8	50	×	-10~80
HBLGT	⑨	3	3	Flat surface	Green	PVC	Polyester Canvas	1.0	0.2	5.0	5.7	18	120	×	-10~80
HBLWT	⑩	3	3	Flat surface	White	PVC	Polyester Canvas	1.0	0.2	5.0	5.7	18	120	×	-10~80
HBLTDT	⑪	2	2	Flat surface	Green	PVC	Polyester Canvas	1.0	0.2	3.6	4.1	8	100	×	-10~80

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



For Belt Tolerance, see P.1352



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

Part Number	Belt Length L (m)	Body Price / m	Belt Jointing Charge (Body Price +)																		
			①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪								
HBLT HBLTWH HBLTG HBLTGDN HBLBN HBLYGN HBLTGCN HBLTWCN HBLGT HBLWT HBLTDT	10	0.50~20.00																			
	15																				
	20																				
	25																				
	30																				
	35																				
	40																				
	50																				
	60																				
	70																				
	75																				
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490																					
500																					

• Flat belts are weld-jointed before shipping.
• The connection areas may become slightly thicker; HBLT, HBLTWH by 0.3mm.

Ordering Example: **Part Number** - Belt Length L (m)
Type | **Belt Width**
 HBLT 350 - 4.23

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
HBLT	○	-	-	△	△	△	△	△	△	△
HBLTWH	○	-	-	△	△	△	△	△	△	△
HBLTG	○	-	○	○	○	-	-	-	-	○
HBLTGDN	○	-	○	○	○	-	-	-	-	○
HBLBN	○	○	○	○	○	-	-	-	-	○
HBLYGN	○	-	○	○	○	-	-	-	-	○
HBLTGCN	○*1	-	○	-	-	-	-	-	-	○
HBLTWCN	○*1	-	○	-	-	-	-	-	-	○
HBLGT	○*1	-	-	-	-	-	-	-	-	○
HBLWT	○*1	-	-	-	-	-	-	-	-	○
HBLTDT	○*1	-	-	-	-	-	-	-	-	○

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

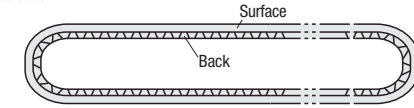
Features: A canvas having lubricating ability in vertical and lateral direction is used. It is a flat belt for accumulation and alignment of transfer objects.

Sliding	Type	Specifications Usage	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	Knife Edge	Continuous Use Temperature °C
						Surface	Back	Front	Back						
						①	②	③	④						
	SHBLTG	Vertical direction	Green	1	-	Urethane Impregnated	Polyester	0.15	0.1	0.5	0.5	4	25	R3	-10~80
	SHBLT		White	1	-	Urethane Impregnated	Polyester	0.1	0.1	0.5	0.5	4	25	R3	-10~80
	YSBLGN	Lateral direction	Green	2	-	Polyester Canvas	Polyester Canvas	0.2	0.2	1.3	1.1	8	30	×	-30~100
	YSBLWN		White	2	-	Polyester Canvas	Polyester Canvas	0.2	0.2	1.3	1.1	8	30	×	-30~100

Usage: Belt transfer in vertical and lateral direction is available.



For Belt Tolerance, see P.1352



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

Part Number	Belt Length L (m)	Body Price / m			Belt Jointing Charge (Body Price +)	
		SHBLTG SHBLT	YSBLGN	YSBLWN	SHBLTG SHBLT	YSBLGN YSBLWN
SHBLTG SHBLT YSBLGN YSBLWN	10	0.80~20.00				
	15					
	20					
	25					
	30					
	35					
	40					
	50					
	60					
	70					
	75					
	80					
	90					
	100					
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230						
240						
250						

Flat Belts: For Food Transfer

Flat Belts: For Packaged Goods Transfer / For Electronic Parts Transfer

Features: Belts with antibacterial and antifungal specifications for transfer of uncovered foods such as meat, bread, sweets, noodles etc.

Features: Packaged goods can be transferred without any damage. Provided with antistatic finish. Suitable for conveyance of static-sensitive electronic components. (DHBLT/DHBLTS/DHBLGN)

Food Conveyor

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	Knife Edge	Continuous Use Temperature °C
				Surface	Back	Front	Back						
				FHBLT	White	1	Flat surface						
KBLW	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	R3	-30~100
KBLT	Sky Blue	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	R3	-30~100
KBLWSN	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30~100
KBLWDN	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	-	-30~100
KBLWT	White	3	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	2.5	2.6	12	100	-	-30~100
PHBLB	Sky Blue	1	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.3	1	4	20	-	-30~100
PHBLBN	Sky Blue	2	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.6	3	30	-	-30~100
PHBLWN	White	2	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.6	3	30	-	-30~100

*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

FHBLT 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.

For Packaged Goods Transfer / Electronic Parts Conveyor

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	Knife Edge	Continuous Use Temperature °C
				Surface	Back	Front	Back						
				FBLG	Green	1	Flat surface						
FBLW	White	1	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	1.8	1.2	4	25	×	- 5~60
FBLGN	Green	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2.0	1.5	5	30	×	- 5~60
FBLWN	White	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2.0	1.5	5	30	×	- 5~60
DHBLT	Black	1	Flat surface	Conductive Polyurethane	Polyester	0.2	0.1	0.6	0.7	3	25	R3	-10~80
DHBLTS	Black	1	Flat surface	Conductive Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-10~80
DHBLGN	Black	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*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)	0.01m Increment	FHBLT	KBLW	KBLT	KBLWSN	KBLWDN	KBLWT	PHBLB	PHBLBN	PHBLWN	FHBLT	KBLW KBLT PHBLB	KBLWSN, KBLWDN PHBLBN, PHBLWN	KBLWT
FHBLT	10	0.50~20.00														
	15															
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	140															
	KBLW		150	0.80~20.00												
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Part Number	Belt Length L (m)		Body Price / m					Belt Jointing Charge (Body Price +)							
	Type	Belt Width W (mm)	0.01m Increment	FBLG	FBLGN	FBLWN	DHBLT	DHBLTS	DHBLGN	FBLG	FBLGN	FBLWN	DHBLT	DHBLTS	DHBLGN
DHBLT	5	0.50~3.00													
	10														
	15														
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Flat belts are weld-jointed before shipping.
The connection areas may become slightly thicker: FHBLT by 0.3mm.

Ordering Example: Part Number - Belt Length L (m)
Type | Belt Width | FHBLT | 50 | - | 4.23

Flat belts are weld-jointed before shipping.
The connection areas may become slightly thicker: DHBLT by 0.3mm.
Belt length for FBLG, FBLGN, FBLWN is specified from 0.70 onwards.

Ordering Example: Part Number - Belt Length L (m)
Type | Belt Width | DHBLT | 50 | - | 4.23

Type	Food hygienic properties	Antibacterial and Antifungal Property	Fray Prevention	Water Resistance, Heat-Heat Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
FHBLT	○	○	○	△	△	△	△	△	△	△
KBLW	○	○	○	○	-	-	-	-	-	○
KBLT	○	○	○	○	-	-	-	-	-	○
KBLWSN	○	○	○	○	-	-	-	-	-	○
KBLWDN	○	○	○	○	-	-	-	-	-	○
KBLWT	○	○	○	○	-	-	-	-	-	○
PHBLB	○	○	○	○	-	-	-	-	-	○
PHBLBN	○	○	○	○	-	-	-	-	-	○
PHBLWN	○	○	○	○	-	-	-	-	-	○

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

Type	Food hygienic properties	Antibacterial and Antifungal Property	Fray Prevention	Water Resistance, Heat-Heat Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
FBLG	△	-	-	-	-	-	○	-	○	-
FBLW	△	-	-	-	-	-	○	-	○	-
FBLGN	△	-	-	-	-	-	○	-	○	-
FBLWN	△	-	-	-	-	-	○	-	○	-
DHBLT	○	-	○	△	△	△	△	△	△	△
DHBLTS	-	-	○	-	-	-	-	-	-	○
DHBLGN	-	-	○	-	-	-	-	-	-	○

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

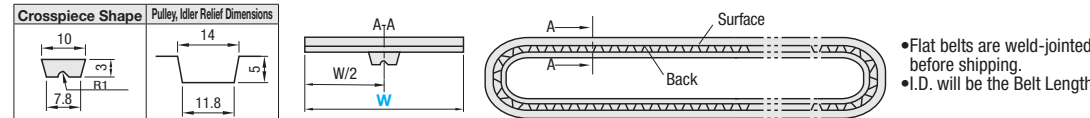
Flat Belts - With Meandering Prevention Crosspiece Grip Type / Oil Resistant

Flat Belts - With Meandering Prevention Crosspiece Non-Adhesive / For Food Transfer

Grip Type Features: Suitable for ensuring the running straightness and strength against lateral forces. Suitable for flat transfer of bulk goods due to the grainy surface.

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					
GBLD SG	Green	1	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.0	0.9	4	15	-30-100
GBLD SW	White	1	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.0	0.9	4	15	-30-100
GBLGDS N	Green	2	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.6	1.6	8	25	-30-100
GBLGDS N	Green	2	Grain (thick)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	2.0	1.9	8	50(20)*1	-30-100
GBLWDS N	White	2	Grain (thick)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	2.0	1.9	8	50(20)*1	-30-100

*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**

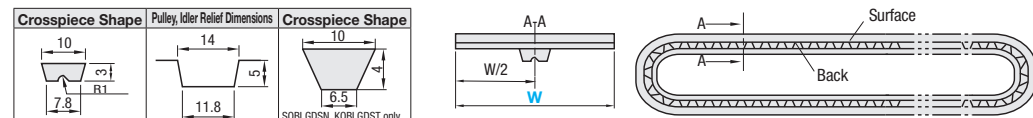
Part Number	Belt Length L (m)	Body Price / m					Belt Jointing Charge (Body Price +)			
		Type	Belt Width W 10mm Increment	0.01m Increment	①	②	③	④	⑤	⑥
GBLD SG	50-90	0.50-20.00 (L>Wx4)								
GBLD SW	100-190									
GBLGDS N	200-290									
GBLGDS N	300-400									
GBLWDS N	410-500									

Oil Resistant Features: Suitable for ensuring the running straightness and strength against lateral forces. Effective with respect to the machine oil that does not include food oil or welding agents.

Type	Type No.	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					
OHBLTDS G	①	Green	1	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	-30-80
OHBLTDS W	②	White	1	Flat surface	Thermoplastic Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30-80
OHBLTDS	③	Green	2	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	1.4	1.5	8	25	-30-80
OHBLGDS N	④	White	2	Flat surface	Thermoplastic Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(15)*1	-30-80
SOBLGDS N	⑤	Green	2	Flat surface	Thermoplastic Polyurethane	Woven Polyester Fabric	-	-	1.3	1.5	1.6	15	-15-80
KOBLGDS T	⑥	Green	3	Flat surface	Acrylonitrile-Butadiene Rubber	Cross-linked Polyurethane	-	-	1.0	0.95	4.6	20	-20-100

*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 10mm Increment	0.01m Increment	①	②	③	④	⑤	⑥	①	②	③	④	⑤
OHBLTDS G	50-90	0.50-20.00 (L>Wx4)													
OHBLTDS W	100-190														
OHBLTDS	200-290														
OHBLGDS N	300-400														
SOBLGDS N	410-500														

Belts with meandering prevention crosspiece are knife-edged and hence cannot be used.
Belt length for SOBLGDSN, KOBLGDS T is specified from 0.70 onwards.

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
GBLD SG	○	○	○	○	○	○	○	○	○	○
GBLD SW	○	○	○	○	○	○	○	○	○	○
GBLGDS N	○	○	○	○	○	○	○	○	○	○
GBLGDS N	○	○	○	○	○	○	○	○	○	○
GBLWDS N	○	○	○	○	○	○	○	○	○	○
OHBLTDS G	○	○	○	○	○	○	○	○	○	○
OHBLTDS W	○	○	○	○	○	○	○	○	○	○
OHBLTDS	○	○	○	○	○	○	○	○	○	○
OHBLGDS N	○	○	○	○	○	○	○	○	○	○
SOBLGDS N	○	○	○	○	○	○	○	○	○	○
KOBLGDS T	○	○	○	○	○	○	○	○	○	○

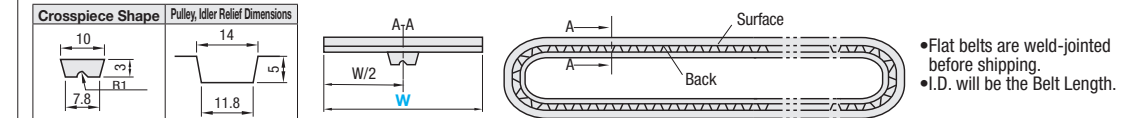
○: Best suited, ○: Applicable, △: May be applicable, -: Not applicable

Ordering Example	Part Number	Belt Length L (m)
Example	OHBLTDS	350 - 4.23

Non-Adhesive Features: Suitable for ensuring the running straightness and strength against lateral forces. Low adhesion belt surface is suitable for transferring objects with adhesive qualities.

Type	Type No.	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					
NSHBLTDS	①	White	1	Glassy surface	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	-30-100
NSHD SB	②	Sky Blue	1	Glassy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	-30-100
NSHBLGDS	③	Lime Green	1	Glassy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	-30-100
NSHBWDS N	④	White	2	Glassy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	-30-100
NSHBDS N	⑤	Sky Blue	2	Glassy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	-30-100
NSHBLGDS N	⑥	Lime Green	2	Glassy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	-30-100
HFHBD SG	⑦	Green	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	15	-30-100
HFHBD SW	⑧	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	15	-30-100
HFHBD GSN	⑨	Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(15)*1	-30-100
HFHBGDS N	⑩	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(15)*1	-30-100
BHFHBD SN	⑪	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.5	8	30(15)*1	-30-100

*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.

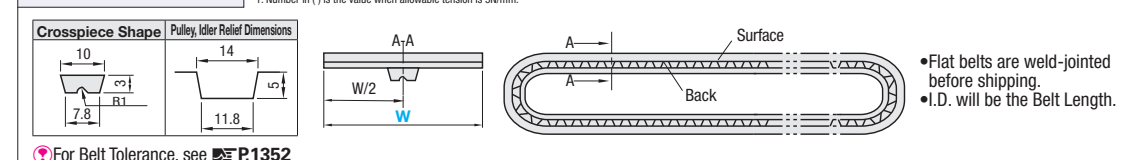
For Belt Tolerance, see **P.1352**

Part Number	Belt Length L (m)	Body Price / m											Belt Jointing Charge (Body Price +)							
		Type	Belt Width W 10mm Increment	0.01m Increment	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	①	⑦	⑧	Other than ①, ⑦ and ⑧	
NSHBLTDS	50-90	0.50-20.00 (L>Wx4)																		
NSHD SB	100-190																			
NSHBLGDS	200-290																			
NSHBWDS N	300-400																			
NSHBDS N	410-500																			

Food Conveyor Features: Suitable for ensuring the running straightness and strength against lateral forces. Low adhesion belt surface is suitable for transferring objects with adhesive qualities.

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					
KBLD SW	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	-30-100
KBLTDS B	Sky Blue	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	-30-100
KBLWDS N	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	-30-100
KBLWDS N	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	-30-100
KBLWDS T	White	3	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	2.5	2.6	12	100	-30-100
PHBLDS B	Sky Blue	1	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.3	1	4	20	-30-100
PHBLDS N	Sky Blue	2	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.6	3	30	-30-100
PHBLWDS N	White	2	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.6	3	30	-30-100

*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 10mm Increment	0.01m Increment	KBLD SW	KBLTDS B	KBLWDS N	KBLWDS N	KBLWDS T	PHBLDS N	PHBLDS B	PHBLWDS N	KBLD SW	KBLWDS N	KBLTDS B	KBLWDS N	PHBLDS N	PHBLDS B	PHBLWDS N	
KBLD SW	50-90	0.50-20.00 (L>Wx4)																		
KBLTDS B	100-190																			
KBLWDS N	200-290																			
KBLWDS N	300-400																			
KBLWDS T	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
NSHBLTDS	○	○	○	○	○	○	○	○	○	○
NSHD SB	○	○	○	○	○	○	○	○	○	○
NSHBLGDS	○	○	○	○	○	○	○	○	○	○
NSHBWDS N	○	○	○	○	○	○	○	○	○	○
NSHBDS N	○	○	○	○	○	○	○	○	○	○
NSHBLGDS N	○	○	○	○	○	○	○	○	○	○
HFHBD SG	○	○	○	○	○	○	○	○	○	○
HFHBD SW	○	○	○	○	○	○	○	○	○	○
HFHBGDS N	○	○	○	○	○	○	○	○	○	○
BHFHBD SN	○	○	○	○	○	○	○	○	○	○

Type	Food hygienic properties	Antibacterial and Antifungal Property
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Flat Belts - With Meandering Prevention Crosspiece For Packaged Goods Transfer / For Electronic Parts Transfer

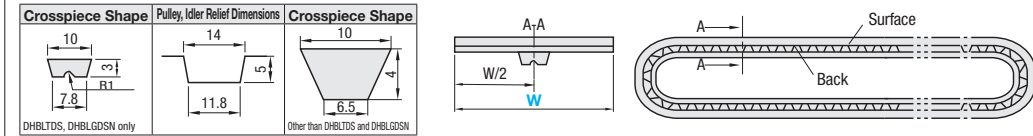
Flat Belts with Crosspieces

■ 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	15	-30~80
DHBLGDSN	Black	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15) *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

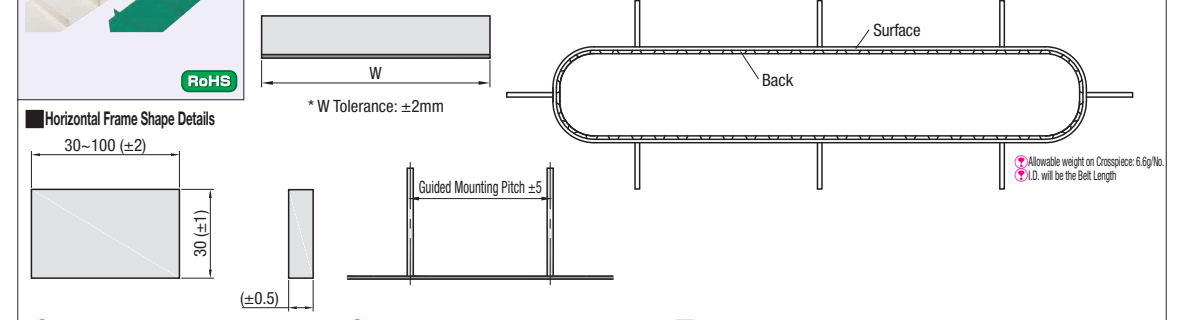
Ordering Example

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

- 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	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

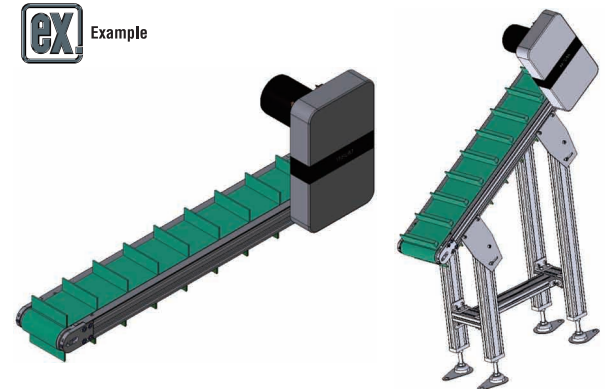
Part Number	Crosspiece Height		No. of Crosspieces		Belt Length L (m)	
Type	Belt Width (mm)					
YBLTW	100	- 30	- 10	- 3.0		

☞ 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

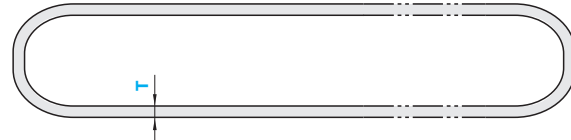
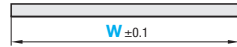
EX Example



Stainless Steel Belt

Features: Stainless steel belt with superior flatness, heat resistance, and electrical conductivity.

Type	Material	Thickness mm	Specific Gravity	Allowable Tension kgf/cm	Min. Pulley Dia. mm	Continuous Use Temperature °C	Electrical Resistance of Surface Ω	Friction Coefficient (Ref. Against Polished Steel)	Surface Hardness HV	Young's Modulus kgf/mm ²	Heat Expansion Coefficient x10 ⁻⁶ /°C
STHBLT	SUS304H	0.1	0.8	4	50	-80~110	0.2	0.2	370 or over	19700	17.3
		0.15	1.2	6	75	-80~120	0.3				
		0.2	1.6	8	100	-80~130	0.5				



⊕ Belt thickness tolerance is ±10% of the thickness.

Part Number	Belt Thickness T (mm)	Belt Width W (mm) 1mm Increment	Belt Length L (m) 0.01mm Increment	Body Price/m	Belt Jointing Charge (Body Price +)
STHBLT	0.1 0.15 0.2	10~20	0.50~10.00		
		21~30			
		31~40			
		41~50			
		51~60			
		61~70			
		71~80			
		81~90			
		91~100			
		101~120			
		121~140			
		141~150			

⊕ For belt selections, see P.2252 Technical Data.

⊕ For a conveyor example with this belt, see P.1263

Ordering Example	Part Number	-	Belt Width (mm)	-	Belt Length L (m)
	Type		Belt Thickness		
	STHBLT		0.15	-	25 - 2.24

Cautionary Points on Usages

- ⊕ Belts with 0.1 and 0.15 thickness are not suitable for accumulating transfer applications.
- ⊕ Avoid causing impacts in through-thickness direction as it is very thin.
- ⊕ The belt life will be reduced if dented.
- ⊕ When loading items on the belt, use sliding chutes to avoid shock loads.
- ⊕ Do not continue to use with foreign matter trapped between the belt and belt supports, workpiece guides, etc.
- ⊕ The product surfaces coming in contact with the belt should be softer than the belt.
- ⊕ Use dedicated pulleys and idlers.
- ⊕ Belts cannot be tensioned from the back side.

Chemical Resistance

Chemical Name	Stainless Steel Belt
	STHBLT
Isopropyl Alcohol	○
Ethanol	○
Potassium Chloride	○
Calcium Chloride	○
Hydrochloric Acid (Gas)	×
Hydrochloric Acid (5% or less)	×
Hydrochloric Acid (5 ~ 36%)	×
Caustic Soda	○
Caustic Soda Solution (50%)	○
Volatile Oil	○
Strong Alkali	○
Strong Acid	×
Light Oil	○
Ethyl Acetate	△
Sodium Hypochlorite (Undiluted Solution)	×
Sodium Hypochlorite (600ppm)	×
Weak Alkali	○
Weak Acid	○
Soap	○
Machining Oil	○
Diesel Oil	○
Toluene	○
Naphthalene	○
Paraffin Oil	○
Phenol	○
Antirust Oil	○
Machine Oil	○
Methanol	○
Sulfuric Acid (10%)	×
Sulfuric Acid (50%)	×
Sulfuric Acid (70%)	×
Sulfuric Acid (98%)	×

- Not affected at all △: Slightly affected ×: Severely affected
- ⊕ The above table shows adequacy in the condition where materials including chemicals and oil are loaded on belt surface and carried at a room temperature. Actual conditions may differ in cases where belts are completely submerged in materials or used in higher temperature than room temperature.
- ⊕ Care must be taken for rusts resulting by chlorides and acids.

Resistance Against Foods

Food	Stainless Steel Belt
	STHBLT
Yeast	○
Tea Leaf	○
Olive Oil	○
Fruit	○
Cashew Nuts	○
Cream	○
Spice	○
Grain	○
Coffee Beans	○
Flour	○
Rice Grain	○
Fish	○
Sugar	○
Salt	○
Salt Water	○
Fat	○
Cooking Oil	○
Syrup	○
Soy Sauce	○
Vinegar	○
Sauce	○
Molasses	○
Meat	○
Butter	○
Bread	○
Peanut Oil	○
Beer	○
Margarine	○
Mayonnaise	○
Water	○
Lard	○

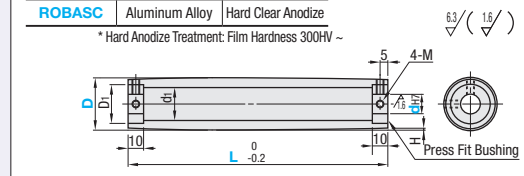
Pulleys and Idlers for Stainless Steel Belts

Crowned

Features: Crowned pulleys and idlers dedicated for stainless steel belts.

Type	Material	Surface Treatment
ROBASC	Aluminum Alloy	Hard Clear Anodize

* Hard Anodize Treatment: Film Hardness 300HV ~



Keyway Shape

New JIS (B1301) Keyway Dimensions

Nominal	dH7	bH9	t Tolerance
N15	+0.018 0	5 ±0.0150	2.3 +0.1 0
N20	+0.021 0	6 ±0.0180	2.8 +0.2 0
N25	+0.021 0	8 ±0.0180	3.3 +0.2 0
N30	+0.025 0	10 ±0.0215	
N35	+0.025 0	12 ±0.0215	
N40			

⊕ The crown height (H dim) for meandering suppression is adjusted based on D dims. and L dims.

Part Number	D	Round Hole + Tap	Keyway + Tap	10mm Increment L	K Keyway Length	d1	D1	Round Hole + Tap	M Keyway + Tap
ROBASC	50	15	N15	40~160	30*	27	40	M5	M4
		20	N20						M5
		25	N25						M6
	60	20	N20			M5			
		25	N25			M6			
		30	N30			M6			
	70	20	N20			M5			
		25	N25			M6			
		30	N30			M6			
	75	25	N25			40	55	M8	M6
		30	N30						M8
		35	N35						M8
	80	25	N25			41	55	M8	M6
		30	N30						M8
		35	N35						M8
100	30	N30	45	60	M8	M6			
	35	N35				M8			
	40	N40				M8			

Ordering Example: Part Number - d - L

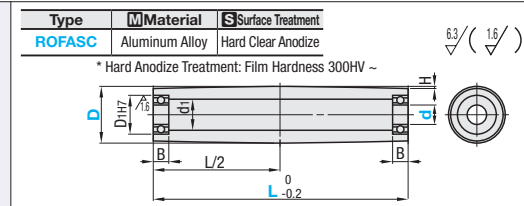
Example: ROBASC50 - 20 - L100

⊕ * When Keyway machining is specified as L<50, K will be K=20.

D	Body Price ROBASC											Keyway Machining Charge (Body Price +)			
	L40	L50	L60	L70	L80	L90	L100	L110	L120	L130	L140		L150	L160	
50															
60															
70															
75															
80															
100															

Idlers for Stainless Steel Belts

Crowned



⊕ The crown height (H dim) for meandering suppression is adjusted based on D dims. and L dims.

Part Number	D	d	10mm Increment L	d1	Bearing Dimension		
Type	D	d	L	No.	D1	B	
ROFASC	50	10	40~160	22	B6200ZZ	30	9
		12			B6001ZZ	28	8
		15			B6902ZZ	28	7
	60	20		B6904ZZ	32	7	
		25		B6905ZZ	42	9	
		30		B6201ZZ	32	10	
	70	15		B6002ZZ	32	9	
		20		B6904ZZ	37	9	
		25		B6905ZZ	42	9	
	75	20		B6906ZZ	47	9	
		25		B6002ZZ	32	9	
		30		B6904ZZ	37	9	
	80	25		B6905ZZ	42	9	
		30		B6906ZZ	47	9	
		35		B6907ZZ	55	10	
100	25	B6205ZZ	52	15			
	30	B6006ZZ	55	13			
	35	B6907ZZ	55	10			
	30	B6006ZZ	55	13			
	35	B6907ZZ	55	10			
	40	B6008ZZ	68	15			

Ordering Example: Part Number - d - L

Example: ROFASC50 - 20 - L100

D	Body Price ROFASC												
	L40	L50	L60	L70	L80	L90	L100	L110	L120	L130	L140	L150	L160
50													
60													
70													
75													
80													
100													

Flat Belts - General Use

Features: Can be used for transfer of a wide range of items from unpackaged food to cardboard, metal and plastic. Excels in moist-heat resistance and prevents fray.

General Purpose	Type	Type No.	No. of Plies	Surface Shape	Color	Material		Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. 0mm	Knife Edge	Continuous Use Temperature °C
						Surface	Back	Front	Back						
	HBLT	(1)	1	Flat surface	Green	Polyurethane	Polyester	0.2	0.1	0.9	1	4	25	R5	-30-80
	HBLTWH	(2)	1	Flat surface	White	Polyurethane	Polyester	0.2	0.1	0.9	1	4	25	R5	-30-80
	HBLTG	(3)	1	Flat surface	Green	Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-30-80
	HBLTGDN	(4)	2	Flat surface	Green	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	×	-30-100
	HBLBN	(5)	2	Flat surface	Sky Blue	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.3	3	15	R3	-30-100
	HBLYGN	(6)	2	Flat surface	Yellow Green	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25 (15) *1	(R3) *1	-30-100
	HBLTGCN	(7)	2	Flat surface	Green	PVC	Polyester Canvas	1	0.2	2.1	2.3	8	50	×	-10-80
	HBLTWCN	(8)	2	Flat surface	White	PVC	Polyester Canvas	1	0.2	2.1	2.3	8	50	×	-10-80
	HBLGT	(9)	3	Flat surface	Green	PVC	Polyester Canvas	1	0.2	5	5.7	18	120	×	-10-80
	HBLWT	(10)	3	Flat surface	White	PVC	Polyester Canvas	1	0.2	5	5.7	18	120	×	-10-80
	HBDTST	(11)	2	Flat surface	Green	PVC	Polyester Canvas	1	0.2	3.6	4.1	8	100	×	-10-80

*1: The values in () are those when the allowable tension is 5 N/mm.

Catalog Standard Changes

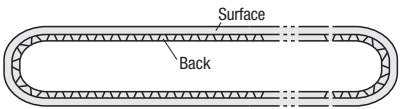
Type	Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. 0mm	Knife Edge	Continuous Use Temperature °C
	Front	Back						
HBLT	0.3	0.1	0.8	0.9	4	25	R8	-10-80
HBLTWH	0.3	0.1	0.8	0.9	4	25	R8	-10-80

For information about resistance of flat belts against chemicals and oils, see P1383 and P1384.



About Belt Tolerance P1390

- Endless jointing is applied before the product is shipped.
- I.D. is defined as the belt length.



Part Number	Belt Length L (m)		Body Price / m								Endless Jointing Charge (Body Price +)										
	Belt Width W (mm)	0.01m Increment	(1)	(2)	(3)	(4)	(5)	(7)	(8)	(6)	(9)	(10)	(11)	(1)	(2)	(3)	(4), (5), (6), (7), (8), (11)	(9)	(10)		
HBLT HBLTWH HBLTG HBLTGDN HBLBN HBLYGN HBLTGCN HBLTWCN HBLGT HBLWT HBDTST	10	0.50-20.00																			
	15																				
	20																				
	25																				
	30																				
	35																				
	40																				
	50																				
	60																				
	70																				
	75																				
	80																				
	90																				
	100																				
	110																				
	120																				
	125																				
	130																				
	140																				
	150																				
	160																				
	170																				
	180																				
	190																				
	200																				
	210																				
	220																				
	230																				
	240																				
	250		0.80-20.00																		
260																					
270																					
280																					
290																					
300																					
310																					
320																					
330																					
340																					
350																					
360																					
370																					
380																					
390																					
400																					
410																					
420																					
430																					
440																					
450																					
460																					
470																					
480																					
490																					
500																					

The connection areas on the following part numbers may become approx. 0.3mm thicker: HBLT, HBLTWH.

Ordering Example: Part Number - Belt Length L (m)
 Type | Belt Width | HBLT 350 - 4.23

Type	Food hygienic properties	Antibacterial and Antimold 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
HBLT	○	-	-	△	△	△	△	○	△	△
HBLTWH	○	-	-	△	△	△	△	○	△	△
HBLTG	○	-	○	○	○	-	-	○	-	○
HBLTGDN	○	-	○	○	○	-	-	○	-	○
HBLBN	○	○	○	○	○	-	-	○	-	○
HBLYGN	○	-	○	○	○	-	-	○	-	○
HBLTGCN	○*2	-	○	-	-	-	-	○	-	○
HBLTWCN	○*2	-	○	-	-	-	-	○	-	○
HBLGT	○*2	-	-	-	-	-	-	○	-	○
HBLWT	○*2	-	-	-	-	-	-	○	-	○
HBDTST	○*2	-	○	-	-	-	-	○	-	○

*2: Cannot be used for bare transfer of oil and fatty foods.
 ○: Excellent / ○: Applicable / △: May be affected by environments / -: Not applicable

Flat Belts - For Inclined Transfer

Features: Belt that ensures high grip property by adopting various surface patterns, such as Vertical groove, Shallow groove, Deep groove, Basket-weave, Rough top, Herringbone, etc.

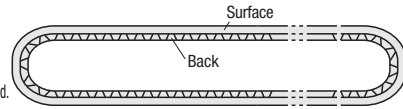
Type	Type No.	Incline Angle	Color	Ply count Qty.	Surface Shape	Material		Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. 0mm	Knife Edge	Continuous Use Temperature °C
						Surface	Back	Front	Back						
						LHBLT	(1)	15 or less	Green						
LHBLTWH	(2)	15 or less	White	1	Vertical groove	Soft Polyurethane	Polyester	1.7	0.1	1.5	1.6	4	30	×	-10-80
LHBLWN	(3)	15 or less	White	2	Vertical groove	Thermoplastic Polyurethane	Polyester Canvas	1.6	0.2	2.3	2.2	8	50(25)*	×	-30-80
LHBLYN	(4)	15 or less	Gray	2	Shallow groove	PVC	Polyester Canvas	1.2	0.2	3.3	3.4	8	80	×	-10-70
LHBLGASN	(5)	15 or less	Green	2	Basket-weave	PVC	Polyester Canvas	1.1	0.2	2.3	2.4	8	100(70)*	×	-10-60
LHBLGAN	(6)	20 or less	Green	2	Deep groove	PVC	Polyester Canvas	1.2	0.2	5.3	4.2	8	80	×	-10-70
LHBLGTN	(7)	20 or less	Green	2	Rough top	PVC	Polyester Canvas	1.1	0.2	5.5	6.5	12	80	×	-10-70
LHBLTYN	(8)	20 or less	Gray	2	Rough top	PVC	Polyester Canvas	1.1	0.2	5.5	6.5	12	80	×	-10-70
LHBLGYN	(9)	30 or less	Green	2	Herringbone	Special Thermoplastic Elastomer	Polyester Canvas	2	0.2	3.4	3	8	50	×	-10-60
LHBLYFN	(10)	30 or less	Gray	2	Herringbone	Special Thermoplastic Elastomer	Polyester Canvas	2	0.2	3.4	3	8	75(50)*	×	-10-60

*: The numerical value in () is the one measured when allowable tension is 5N/mm.



About Belt Tolerance **P.1390**

- Endless jointing is applied before the product is shipped.
- I.D. is defined as the belt length.



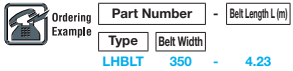
Catalog Standard Changes

Type	Surface Shape	Friction Coefficient (Ref. Against Polished Steel)	Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. 0mm	Knife Edge	Continuous Use Temperature °C	
LHBLTWH	Flat surface	1.7	0.15	0.9	1	3.5	25	×	-10-80

For information about resistance of flat belts against chemicals and oils, see **P.1383** and **P.1384**.

Part Number	Belt Length L (m)	Body Price/m										Endless Jointing Charge (Body Price +)		
		(1) (2)	(3)	(4)	(5)	(6)	(7) (8)	(9) (10)	(1) (2)	Other than (1) and (2)				
		LHBLTWH	LHBLWN	LHBLYN	LHBLGASN	LHBLGAN	LHBLGTN	LHBLTYN	LHBLGYN	LHBLTYN	LHBLTWH	LHBLTWH	LHBLTWH	LHBLTWH
	0.50-20.00													
	0.80-20.00													
LHBLT	10													
LHBLTWH	15													
LHBLWN	20													
LHBLYN	25													
LHBLGASN	30													
LHBLGAN	35													
LHBLGTN	40													
LHBLTYN	50													
LHBLGYN	60													
LHBLTYN	70													
LHBLGYN	75													
LHBLTYN	80													
LHBLGYN	90													
LHBLTYN	100													
LHBLGYN	110													
LHBLTYN	120													
LHBLGYN	125													
LHBLTYN	130													
LHBLGYN	140													
LHBLTYN	150													
LHBLGYN	160													
LHBLTYN	170													
LHBLGYN	180													
LHBLTYN	190													
LHBLGYN	200													
LHBLTYN	210													
LHBLGYN	220													
LHBLTYN	230													
LHBLGYN	240													
LHBLTYN	250													
LHBLGYN	260													
LHBLTYN	270													
LHBLGYN	280													
LHBLTYN	290													
LHBLGYN	300													
LHBLTYN	310													
LHBLGYN	320													
LHBLTYN	330													
LHBLGYN	340													
LHBLTYN	350													
LHBLGYN	360													
LHBLTYN	370													
LHBLGYN	380													
LHBLTYN	390													
LHBLGYN	400													
LHBLTYN	410													
LHBLGYN	420													
LHBLTYN	430													
LHBLGYN	440													
LHBLTYN	450													
LHBLGYN	460													
LHBLTYN	470													
LHBLGYN	480													
LHBLTYN	490													
LHBLGYN	500													

The connection areas on the following part numbers may become approx. 0.3mm thicker: LHBLT, LHBLTWH.



Type	Incline Angle	Food hygienic properties	Antibacterial and Antimold 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
LHBLT	15 or less	○	-	-	△	△	△	△	△	△	△
LHBLTWH	15 or less	○	-	-	△	△	△	△	△	△	△
LHBLWN	15 or less	○	-	○	-	-	-	-	-	-	○
LHBLYN	15 or less	-	-	○	-	-	-	-	-	-	-
LHBLGASN	15 or less	-	-	-	-	-	-	-	-	-	-
LHBLGAN	20 or less	-	-	○	-	-	-	-	-	-	-
LHBLGTN	20 or less	-	-	-	-	-	-	-	-	-	-
LHBLTYN	20 or less	-	-	-	-	-	-	-	-	-	-
LHBLGYN	30 or less	-	-	-	-	-	-	-	-	-	-
LHBLTYN	30 or less	-	-	○	-	-	-	-	-	-	-

○: Excellent / ○: Applicable / △: May be affected by environments / -: Not applicable

Flat Belts - Heat Resistant / Non-Adhesive

Features: Heat Resistant: Belts that can withstand up to 180 °C of Continuous Use Temperature. (HHBLT) Non-Adhesive: Low adhesion belt surface is suitable for transferring highly adhesive objects.

Heat Resistant / Non-Adhesive	Type	Type No.	Color	Ply count Qty.	Surface Shape	Material		Friction Coefficient (Ref. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Dmm	Knife Edge	Continuous Use Temperature °C
						Surface	Back	Front	Back						
						HHBLT	(1)	White	2						
NSHBLT	(2)	White	1	Flat surface	Polyurethane	Polyester	0.2	0.15	0.9	1	3.5	20	R5	-10~80	
NSHBLTS	(3)	White	1	Glossy surface	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	15	R3	-10~80	
NSHB	(4)	Sky Blue	1	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	R3	-30~100	
NSHBLG	(5)	Lime Green	1	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	R3	-30~100	
NSHBWN	(6)	White	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*	(R3)*	-30~100	
NSHBWN	(7)	Sky Blue	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*	(R3)*	-30~100	
NSHBLGN	(8)	Lime Green	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*	(R3)*	-30~100	
HFHBG	(9)	Green	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	15	R3	-30~100	
HFHBW	(10)	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	15	R3	-30~100	
HFHBGN	(11)	Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(15)*	(R3)*	-30~100	
HFHBWN	(12)	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(15)*	(R3)*	-30~100	
BHFHBWN	(13)	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.5	8	30(15)*	(R3)*	-30~100	

* The numerical value in () is the one measured when allowable tension is 5N/mm. HHBLT is spec.-designed to be heat resistant. The others are spec.-designed to be non-adhesive.

⚠ About Belt Tolerance **P.1390**
 ● Endless jointing is applied before the product is shipped.
 ● I.D. is defined as the belt length.

📖 Catalog Standard Changes

Type	Friction Coefficient (Ref. Against Polished Steel)	Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Dmm	Knife Edge	Continuous Use Temperature °C
HHBLT	Front: 1.7, Back: 0.25	1.6	1.8	5	75	×	-40~180

📖 For information about resistance of flat belts against chemicals and oils, see P.1383 and P.1384.

Part Number	Belt Length L (m)	Body Price/m													Endless Jointing Charge (Body Price +)												
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
HHBLT	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLT	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLTS	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHB	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLG	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLGN	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBG	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBW	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBGN	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBWN	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHFHBWN	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLT	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLTS	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHB	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLG	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLGN	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBG	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBW	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBGN	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBWN	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHFHBWN	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLT	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLTS	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHB	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLG	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLGN	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBG	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBW	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBGN	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBWN	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHFHBWN	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLT	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLTS	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHB	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLG	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLGN	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBG	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBW	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBGN	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFHBWN	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHFHBWN	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLT	460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLTS	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHB	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBLG	490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NSHBWN	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

📌 The connection areas on the following part number may become approx. 0.3mm thicker: NSHBLT. 📌 The connection areas on the following part number may become approx. 0.3mm thicker: HHBLT.

📌 Ordering Example

Part Number	Type	Belt Width	Belt Length [m]
HHBLT	350	-	4.23
NSHBLT	350	-	4.23

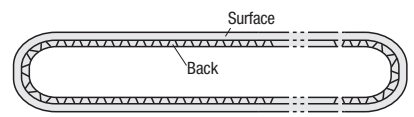
Type	Food hygienic properties	Antibacterial and Antimold Property	Fray Prevention	Water Resistance, Moist-Heat Resistance	Thermal Shrinkage Prevention	Surface Cleanability	Prevention of shrinkage due to imprinting	Sodium Hypochlorite Resistant	Anti-stick	Oil Resistance
HHBLT	○	○	○	△	△	△	△	△	○	△
NSHBLT	○	○	○	△	△	△	△	△	○	△
NSHBLTS	○	○	○	○	○	○	○	○	○	○
NSHB	○	○	○	○	○	○	○	○	○	○
NSHBLG	○	○	○	○	○	○	○	○	○	○
NSHBWN	○	○	○	○	○	○	○	○	○	○
NSHBWN	○	○	○	○	○</					

Flat Belts: For Packaged Goods Transfer / For Electronic Parts Transfer

Features: Flat Belt for Packaged Goods Transfer allows workpieces to be conveyed without being damaged. Flat Belt for Electronic Parts Transfer is provided with antistatic finish and thus, is suitable for conveyance of static-sensitive electronic components. (DHBLT/DHBLTS/DHBLGN)

For Packaged Goods Transfer Electronic Parts Conveyor	Type	Color	Ply count Qty.	Surface Shape	Material		Friction Coefficient (Rel. Against Polished Steel)		Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Knife Edge	Continuous Use Temperature °C
					Surface	Back	Front	Back						
					FBLG	Green	1	Flat surface						
FBLW	White	1	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	1.8	1.2	4	25	×	-5-60	
FBLGN	Green	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2	1.5	5	30	×	-5-60	
FBLWN	White	2	Flat surface	Suede Non-woven Fabric	Polyester Canvas	-	-	2	1.5	5	30	×	-5-60	
DHBLT	Black	1	Flat surface	Conductive Polyurethane	Polyester	0.2	0.1	0.6	0.7	3	25	R3	-10-80	
DHBLTS	Black	1	Flat surface	Conductive Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-10-80	
DHBLGN	Black	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	(R3)*1	-30-80	

About Belt Tolerance P.1390
 ● Endless jointing is applied before the product is shipped.
 ● I.D. will be the Belt Length.



Catalog Standard Changes

Type	Friction Coefficient (Rel. Against Polished Steel)	Thickness mm	Unit Mass kg/m ²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Knife Edge	Continuous Use Temperature °C
DHBLT	0.3	0.15	0.9	1	3.5	30	R10

For information about resistance of flat belts against chemicals and oils, see P1383 and P1384.

Part Number	Belt Length L (m)	Body Price/m					Endless Jointing Charge (Body Price +)							
		Type	Belt Width W(mm)	0.01m Increment	FBLG FBLW	FBLGN FBLWN	DHBLT	DHBLTS	DHBLGN	FBLG FBLW	FBLGN FBLWN	DHBLT	DHBLTS	DHBLGN
DHBLT	5		0.50-3.00											
	10		0.50-20.00											
	15													
	20													
	25													
	30													
	35													
	40													
	50													
	60													
	70													
	75													
	80													
	90													
	100													
	110													
	120													
	125													
	130													
	140													
	150													
	160													
	170													
FBLG*2	180													
FBLW*2	190													
FBLGN*2	200													
FBLWN*2	210													
	220													
	230													
	240													
DHBLT	250		0.80-20.00											
	260													
	270													
	280													
	290													
	300													
	310													
	320													
	330													
	340													
	350													
	360													
	370													
	380													
	390													
	400													
	410													
	420													
	430													
	440													
	450													
	460													
	470													
	480													
	490													
	500													

Flat belts are endless-jointed before being shipped. The connection areas on the following part number may become approx. 0.3mm thicker: DHBLT. *2. Belt length for FBLG, FBLW, FBLGN, FBLWN can be configured beginning with 0.70.

Ordering Example: Part Number - Belt Length L (m)
 Type Belt Width
 DHBLT 50 - 4.23

Type	Food hygienic properties	Antibacterial and Antimold 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
FBLG	△	-	-	-	-	-	○	-	○	-
FBLW	△	-	-	-	-	-	○	-	○	-
FBLGN	△	-	-	-	-	-	○	-	○	-
FBLWN	△	-	-	-	-	-	○	-	○	-
DHBLT	○	-	-	△	△	△	△	△	△	△
DHBLTS	-	-	○	-	-	-	-	-	-	-
DHBLGN	-	-	○	-	-	-	-	-	-	○

○: Excellent / △: Applicable / -: May be affected by environments / -: Not applicable