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

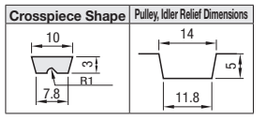
Grip Type Features: Suitable for ensuring the running straightness and strength against lateral forces. Suitable for flat transfer of bulk goods due to the grainy surface.

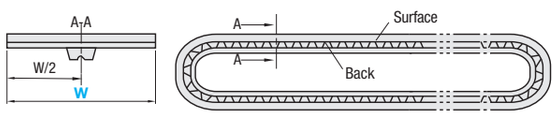
Grip Type
- With Meandering Prevention Crosspiece

Type	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
GBLDSG	Green	1	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.0	0.9	4	20	-30~100
GBLDSW	White	1	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.0	0.9	4	20	-30~100
GBLGSDSN	Green	2	Grain (fine)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	1.6	1.6	8	25	-30~100
GBLGDSN	Green	2	Grain (thick)	Thermoplastic Polyurethane	Polyester Canvas	0.7	0.2	2.0	1.9	8	50(20) *1	-30~100
GBLWDSN	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.

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	Belt Width W / 10mm Increment	Belt Length L (m) / 0.01m Increment	Body Price / m GBLDSG	GBLDSW	GBLGSDSN	GBLGDSN	GBLWDSN	Belt Jointing Charge (Body Price +) GBLDSG GBLDSW	GBLGSDSN GBLGDSN GBLWDSN
GBLDSG GBLDSW GBLGSDSN GBLGDSN GBLWDSN	50~ 90	0.50~20.00 (L≥Wx4)							
	100~190								
	200~290								
	300~400								
	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.

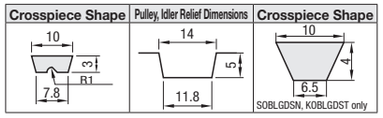
Oil Resistant
- With Meandering Prevention Crosspiece

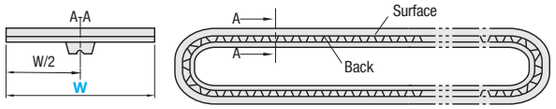
Type	Type No.	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
OHBLTDSG	①	Green	1	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	20	-30~ 80
OHBLTDSW	②	White	1	Flat surface	Thermoplastic Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	20	-30~ 80
OHBLTDS	③	Green	2	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	1.4	1.5	8	25	-30~ 80
OHBLGDSN	④	White	2	Flat surface	Thermoplastic Polyurethane	Polyester	0.6	0.2	1.4	1.5	8	25(20) *1	-30~ 80
SOBLGDSN	⑤	Green	2	Flat surface	Thermoplastic Polyurethane	Woven Polyester Fabric	-	-	1.3	1.5	1.6	20	-15~ 80
KOBLGDST	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.

Crosspiece Shape | Pulley, Idler Relief Dimensions | Crosspiece Shape





For Belt Tolerance, see P.1352

Part Number Type	Belt Width W / 10mm Increment	Belt Length L (m) / 0.01m Increment	Body Price / m ① OHBLTDSG	② OHBLTDSW	③ OHBLTDS	④ OHBLGDSN	⑤ SOBLGDSN	⑥ KOBLGDST	Belt Jointing Charge (Body Price +) ①③ OHBLTDSG OHBLTDS	② OHBLTDSW	④ OHBLGDSN	⑤ SOBLGDSN	⑥ KOBLGDST
OHBLTDSG OHBLTDSW OHBLTDS OHBLGDSN SOBLGDSN KOBLGDST	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.
Belt length for SOBLGDSN, KOBLGDST 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
GBLDSG	○	-	○	○	○	-	-	○	-	○
GBLDSW	○	○	○	○	○	-	-	○	-	○
GBLGSDSN	○	-	○	○	○	-	-	○	-	○
GBLGDSN	○	-	○	○	○	-	-	○	-	○
GBLWDSN	○	○	○	○	○	-	-	○	-	○

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
OHBLTDSG	○	-	○	-	-	-	-	-	-	◎
OHBLTDSW	○	○	○	○	○	◎	-	○	○	○
OHBLTDS	○	○	○	○	○	◎	-	○	○	○
OHBLGDSN	○	○	○	○	○	◎	-	○	○	○
SOBLGDSN	○	-	-	△	-	○	○	-	○	○
KOBLGDST	-	-	-	△	-	△	-	-	-	○

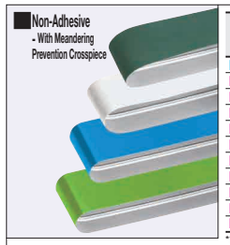
◎: Best suited, ○: Applicable, △: May be applicable, -: Not applicable

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

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

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.

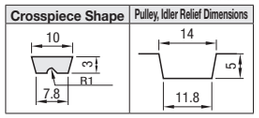
Non-Adhesive
- With Meandering Prevention Crosspiece

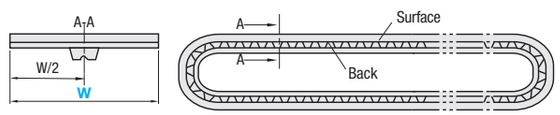


Type	Type No.	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
NSHBLTDS	①	White	1	Glossy surface	Polyurethane	Polyester	0.6	0.2	0.8	0.7	4	20	-30~100
NSHDSB	②	Sky Blue	1	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	20	-30~100
NSHBLGDS	③	Lime Green	1	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	20	-30~100
NSHBWDSN	④	White	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20) *1	-30~100
NSHBDSN	⑤	Sky Blue	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20) *1	-30~100
NSHBLGDSN	⑥	Lime Green	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20) *1	-30~100
HFHBDSG	⑦	Green	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	20	-30~100
HFHBDSW	⑧	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	0.8	0.7	4	20	-30~100
HFHBGDSN	⑨	Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(20) *1	-30~100
HFHBWDSN	⑩	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(20) *1	-30~100
BHFHBWDSN	⑪	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.5	8	30(20) *1	-30~100

*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	Belt Width W / 10mm Increment	Belt Length L (m) / 0.01m Increment	Body Price / m ① NSHBLTDS	② ③ NSHDSB NSHBLGDS	④ NSHBWDSN	⑤ NSHBDSN	⑥ NSHBLGDSN	⑦ ⑧ HFHBDSG HFHBDSW	⑨ ⑩ HFHBGDSN HFHBWDSN	⑪ BHFHBWDSN	Belt Jointing Charge (Body Price +) ① NSHBLTDS	⑦ ⑧ HFHBDSG HFHBDSW	Other than ①, ⑦ and ⑧ NSHDSB, NSHBLGDS, NSHBWDSN NSHBDSN, NSHBLGDSN, HFHBGDSN HFHBWDSN, BHFHBWDSN
NSHBLTDS NSHDSB NSHBLGDS NSHBWDSN NSHBDSN NSHBLGDSN HFHBDSG HFHBDSW HFHBGDSN HFHBWDSN BHFHBWDSN	50~90	0.50~20.00 (L≥Wx4)											
	100~190												
	200~290												
	300~400												
	410~500												

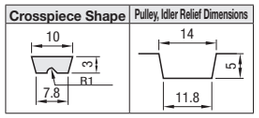
Food Conveyor Features: Suitable for ensuring the running straightness and strength against lateral forces. Low adhesion belt surface is suitable for transferring objects with adhesive qualities.

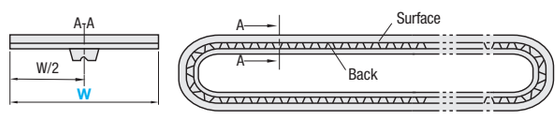
Food Conveyor
- With Meandering Prevention Crosspiece

Type	Color	Ply count	Surface Shape	Material Surface	Material Back	Friction Coefficient (Ref. Against Polished Steel) Front	Friction Coefficient Back	Thickness mm	Unit Mass kg/m²	Allowable Tension N/mm	Min. Pulley Dia. Ømm	Continuous Use Temperature °C
KBLDSW	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	20	-30~100
KBLTDSB	Sky Blue	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	20	-30~100
KBLWSDSN	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(20) *1	-30~100
KBLWDSN	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.9	8	50	-30~100
KBLWDST	White	3	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	2.5	2.6	12	100	-30~100
PHBLDSB	Sky Blue	1	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.3	1	4	20	-30~100
PHBLBDSN	Sky Blue	2	Diamond	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.7	1.6	3	30	-30~100
PHBLWDSN	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.

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	Belt Width W / 10mm Increment	Belt Length L (m) / 0.01m Increment	Body Price / m KBLDSW	KBLTDSB	KBLWSDSN	KBLWDSN	KBLWDST	PHBLBDSN	PHBLDSB	PHBLWDSN	Belt Jointing Charge (Body Price +) KBLDSW KBLTDSB PHBLDSB	KBLWSDSN KBLWDSN PHBLBDSN PHBLWDSN	KBLWDST
KBLDSW KBLTDSB KBLWSDSN KBLWDSN KBLWDST PHBLDSB PHBLBDSN PHBLWDSN	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
NSHBLTDS	○	○	○	○	○	◎	-	○	○	○
NSHDSB	○	○	○	○	○	◎	-	○	○	○
NSHBLGDS	○	○	○	○	○	◎	-	○	○	○
NSHBWDSN	○	○	○	○	○	◎	-	○	○	○
NSHBDSN	○	○	○	○	○	◎	-	○	○	○
NSHBLGDSN	○	○	○	○	○	◎	-	○	○	○
HFHBDSG	○	-	○	○	○	-	-	○	◎	○
HFHBDSW	○	-	○	○	○	-	-	○	◎	○
HFHBGDSN	○	-	○	○	○	-	-	○	◎	○
HFHBWDSN	○	-	○	○	○	-	-	○	◎	○
BHFHBWDSN	○	-	○	○	○	-	-	○	◎	○

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
KBLDSW	○	○	○	○	○	-	-	○	-	○
KBLTDSB	○	○	○	○	○	-	-	○	-	○
KBLWSDSN	○	○	○	○	○	-	-	○	-	○
KBLWDSN	○	○	○	○	○	-	-	○	-	○
KBLWDST	○	○	○	○	○	-	-	○	-	○
PHBLDSB	○	○	○	○	○	-	-	○	◎	○
PHBLBDSN	○	○	○	○	○	-	-	○	◎	○
PHBLWDSN	○	○	○	○	○	-	-	○	◎	○

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

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