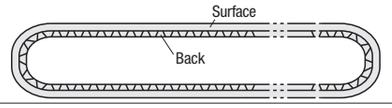
Flat Belts - Oil Resistant

Features: Effective with respect to the machine oil that does not include food oil or welding agents.

Oil Resistant

Type	Type No.	Usage	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	Knife Edge	Continuous Use Temperature ℃
OHBLTG	①	Oil Resistant	Green	1	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	0.8	0.7	4	15	R3	-30~80
OHBLTGN	②	Oil Resistant	Green	2	Flat surface	Oil Resistant Polyurethane	Polyester	0.8	0.2	1.4	1.5	8	25	(R3) *1	-30~80
OHBLT	③	Oil Resistant	Navy	1	Flat surface	Oil-Resistant Chloroethylene	Polyester	0.3	0.1	1	1.1	4	25	×	5~60
OHBLTW	④	Oil Resistant	White	1	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	0.8	0.7	4	15	R3	-30~80
OHBLGN	⑤	Oil Resistant	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15)*1	(R3) *1	-30~80
SOBLGN	⑥	Water-soluble Cutting	Green	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	-	-	1.3	1.5	1.6	15	R4	-15~80
KOBLGT	⑦	Mineral Machining Oil	Green	3	Flat surface	Acrylic, Nitrile 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: Type	Part Number: Belt Width W (mm)	Belt Length L (m): 0.01m Increment	Body Price / m: ① OHBLTG	② OHBLTGN	③ OHBLT	④ OHBLTW	⑤ OHBLGN	⑥ SOBLGN	⑦ KOBLGT	Belt Jointing Charge (Body Price +): ①④ OHBLTG OHBLTW	②⑤ OHBLTGN OHBLGN	③ OHBLT	⑥ SOBLGN	⑦ KOBLGT
	10	0.50~20.00												
	15													
	20													
	25													
	30													
	35													
	40													
	50													
	60													
	70													
	75													
	80													
	90													
	100													
	110													
	120													
	125													
	130													
	140													
	150													
OHBLTG	160													
OHBLTGN	170													
OHBLT	180													
OHBLTW	190													
OHBLGN	200													
SOBLGN	210													
KOBLGT	220													
	230													
	240	0.80~20.00												
	250													
	260													
	270													
	280													
	290													
	300													
	310													
	320													
	330													
	340													
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	370													
	380													
	390													
	400													
	410													
	420													
	430													
	440													
	450													
	460													
	470													
	480													
	490													
	500													

- Flat belts are weld-jointed before shipping.
- The connection areas may become slightly thicker: OHBLT by 0.4mm.
- For Resistance of Belts Against Chemicals, Oil and Food, see P.1353.
- Belt length for SOBLGN, KOBLGT is specified from 0.70 onwards.

Ordering Example

Part Number - Belt Length L (m)

Type | Belt Width

OHBLT 350 - 4.23

Type	Usage	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
OHBLTG	Oil Resistant	○	-	○	-	-	-	-	-	-	◎
OHBLTGN	Oil Resistant	○	-	○	-	-	-	-	-	-	◎
OHBLT	Oil Resistant	-	-	○	△	△	△	△	△	△	◎
OHBLTW	Oil Resistant	○	-	○	-	-	-	-	-	-	◎
OHBLGN	Oil Resistant	○	-	○	-	-	-	-	-	-	◎
SOBLGN	Water-soluble Cutting	○	-	-	△	-	○	○	-	○	◎
KOBLGT	Mineral Machining Oil	-	-	-	△	-	△	-	-	-	◎

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

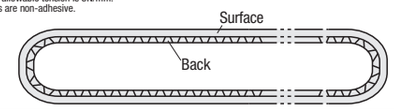
Flat Belts - Heat Resistant / Non-Adhesive

Features: Heat resistant belt up to 180 degrees in continuous use. Low adhesion belt surface is suitable for transferring objects with adhesive qualities.

Heat Resistant / Non-Adhesive

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	Knife Edge	Continuous Use Temperature ℃
HHBLT	①	White	2	Flat surface	Silicon Rubber	Polyester	1.5	0.1	1.3	1.4	5	75	×	-40~180
NSHBLT	②	White	1	Flat surface	Polyurethane	Polyester	0.2	0.15	0.9	1	3.5	25	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) *1	(R3) *1	-30~100
NSHBN	⑦	Sky Blue	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15) *1	(R3)*1	-30~100
NSHBLGN	⑧	Lime Green	2	Glossy surface	Thermoplastic Polyurethane	Polyester Canvas	0.6	0.2	1.4	1.5	8	25(15) *1	(R3) *1	-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) *1	(R3) *1	-30~100
HFHBWN	⑫	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.4	8	30(15) *1	(R3) *1	-30~100
BHFHBWN	⑬	White	2	Flat surface	Thermoplastic Polyurethane	Polyester Canvas	0.4	0.2	1.4	1.5	8	30(15) *1	(R3) *1	-30~100

*1: Number in ( ) is the value when allowable tension is 5N/mm.
HHBLT is heat-resisting belt. Others are non-adhesive.



- 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 (mm)	Belt Length L (m): 0.01m Increment	Body Price / m: ① HHBLT	② NSHBLT	③ NSHBLTS	④⑤ NSHB NSHBLG	⑥ NSHBWN	⑦⑧ NSHBN NSHBLGN	⑨⑩ HFHBG HFHBW	⑪⑫ HFHBGN HFHBWN	⑬ BHFHBWN	Belt Jointing Charge (Body Price +): ① HHBLT	② NSHBLT	③, ④, ⑤, ⑨, ⑩ NSHBLTS, NSHB NSHBLG HFHBG, HFHBW	⑥, ⑦, ⑧, ⑪, ⑫, ⑬ NSHBWN, NSHBN NSHBLGN, HFHBGN HFHBWN, BHFHBWN
	10	0.50~20.00	-									-			
	15		-									-			
	20		-									-			
	25		-									-			
	30		-									-			
	35		-									-			
	40		-									-			
	50														
	60														
	70														
	75														
	80														
	90														
	100														
HHBLT	110														
NSHBLT	120														
NSHBLTS	125														
NSHB	130														
NSHBLG	140														
NSHBWN	150														
NSHBN	160														
NSHBLGN	170														
HFHBG	180														
HFHBW	190														
HFHBGN	200														
HFHBWN	210														
BHFHBWN	220														
	230														
	240	0.80~20.00													
	250														
	260														
	270														
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	450														
	460														
	470														
	480														
	490														
	500														

- Flat belts are weld-jointed before shipping.
- The connection areas may become slightly thicker: NSHBLT by 0.3mm.
- The connection areas may become slightly thicker: HHBLT by 0.6mm.

Ordering Example

Part Number - Belt Length L (m)

Type | Belt Width

HHBLT 350 - 4.23
NSHBLT 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
HHBLT	○	-	-	△	○	△	△	△	-	△
NSHBLT	○	○	○	△	△	○	△	△	○	△
NSHBLTS	○	○	○	○	○	◎	-	○	○	○
NSHB	○	○	○	○	○	◎	-	○	○	○
NSHBLG	○	○	○	○	○	◎	-	○	○	○
NSHBWN	○	○	○	○	○	◎	-	○	○	○
NSHBN	○	○	○	○	○	◎	-	○	○	○
NSHBLGN	○	○	○	○	○	◎	-	○	○	○
HFHBG	○	-	○	○	○	-	-	○	◎	○
HFHBW	○	-	○	○	○	-	-	○	◎	○
HFHBGN	○	-	○	○	○	-	-	○	◎	○
HFHBWN	○	-	○	○	○	-	-	○	◎	○
BHFHBWN	○	-	○	○	○	-	-	○	◎	○

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